

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020819\
 Data File : VF061559.D
 Acq On : 8 Feb 2019 15:29
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/12/2019 2:32:04 AM

Quant Time: Feb 09 04:37:56 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	4.87	168	171036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	293740	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	268119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	134826	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	97089	45.98	ug/l	0.02
Spiked Amount 50.000			Recovery	=	91.96%	
35) Dibromofluoromethane	4.11	113	110649	47.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.48%	
50) Toluene-d8	7.55	98	283960	44.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.42%	
62) 4-Bromofluorobenzene	11.41	95	136369	45.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	147809	43.983	ug/l	93
3) Chloromethane	1.10	50	108267	43.937	ug/l	95
4) Vinyl Chloride	1.14	62	101238	46.186	ug/l	98
5) Bromomethane	1.32	94	69249	48.447	ug/l	98
6) Chloroethane	1.39	64	48869	50.315	ug/l	96
7) Trichlorofluoromethane	1.48	101	195334	45.839	ug/l	99
8) Diethyl Ether	1.64	74	29261	53.590	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	93198	45.517	ug/l	94
10) Methyl Iodide	1.91	142	148896m	46.907	ug/l	
11) Tert butyl alcohol	2.57	59	23048	257.858	ug/l	95
12) 1,1-Dichloroethene	1.79	96	74249	48.810	ug/l	92
13) Acrolein	2.00	56	15440	202.592	ug/l	93
14) Allyl chloride	2.10	41	103830	62.349	ug/l	92
15) Acrylonitrile	2.95	53	53703	234.558	ug/l	89
16) Acetone	2.24	43	106436	251.251	ug/l	99
17) Carbon Disulfide	1.82	76	209925m	44.258	ug/l	
18) Methyl Acetate	2.35	43	47337	56.346	ug/l	98
19) Methyl tert-butyl Ether	2.43	73	160177	46.972	ug/l	97
20) Methylene Chloride	2.18	84	80294m	56.050	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	80540	48.122	ug/l	92
22) Diisopropyl ether	2.80	45	263463	48.669	ug/l	95
23) Vinyl Acetate	3.19	43	593437	249.241	ug/l	99
24) 1,1-Dichloroethane	2.87	63	164274	48.350	ug/l	98
25) 2-Butanone	4.34	43	175334	248.888	ug/l	100
26) 2,2-Dichloropropane	3.60	77	91173	43.677	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	120261	48.677	ug/l	98
28) Bromochloromethane	3.72	49	71457	46.789	ug/l	96
29) Tetrahydrofuran	4.07	42	69681	229.713	ug/l	96
30) Chloroform	3.87	83	224952	49.060	ug/l	96
31) Cyclohexane	3.70	56	154792m	45.609	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	158691	47.200	ug/l	96
36) 1,1-Dichloropropene	4.28	75	164610	48.333	ug/l	95
37) Ethyl Acetate	4.11	43	67337	49.462	ug/l #	85
38) Carbon Tetrachloride	3.99	117	140602	47.222	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	163296m	44.243	ug/l	
40) Benzene	4.63	78	356418	47.031	ug/l	99
41) Methacrylonitrile	4.74	41	36372	50.209	ug/l	92
42) 1,2-Dichloroethane	4.94	62	139854	51.788	ug/l	95
43) Isopropyl Acetate	6.96	43	83234	48.713	ug/l #	91
44) Trichloroethene	5.50	130	107372	46.186	ug/l	99
45) 1,2-Dichloropropane	6.24	63	96005	48.268	ug/l	99
46) Dibromomethane	6.09	93	65998	49.902	ug/l	92
47) Bromodichloromethane	6.39	83	166480	50.876	ug/l	99
48) Methyl methacrylate	6.72	41	55946	48.760	ug/l	92
49) 1,4-Dioxane	6.71	88	9054	1140.202	ug/l #	87
51) 4-Methyl-2-Pentanone	8.25	43	317017	252.377	ug/l	98
52) Toluene	7.62	92	226007	45.286	ug/l	96
53) t-1,3-Dichloropropene	8.27	75	130651	50.282	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	167835	51.675	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	76018	53.640	ug/l	97
56) Ethyl methacrylate	8.62	69	83637	50.726	ug/l	99
57) 1,3-Dichloropropane	8.86	76	129892	48.898	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.30	63	59293	332.706	ug/l	95
59) 2-Hexanone	9.50	43	233743	266.854	ug/l	96
60) Dibromochloromethane	8.72	129	107580	51.924	ug/l	96
61) 1,2-Dibromoethane	8.98	107	75793	46.717	ug/l	93
64) Tetrachloroethene	8.16	164	100204	49.697	ug/l	97
65) Chlorobenzene	9.80	112	259350	47.566	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	110984	51.097	ug/l	97
67) Ethyl Benzene	9.90	91	478034	47.987	ug/l	98
68) m/p-Xylenes	10.13	106	340725	95.097	ug/l	100
69) o-Xylene	10.71	106	190231	48.988	ug/l	99
70) Styrene	10.79	104	244903	46.073	ug/l	99
71) Bromoform	10.78	173	49438	50.658	ug/l #	98
73) Isopropylbenzene	11.13	105	554894	50.603	ug/l	99
74) N-amyl acetate	11.37	43	141712	54.652	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	96322	49.307	ug/l	94
76) 1,2,3-Trichloropropane	11.80	75	71490	50.930	ug/l	94
77) Bromobenzene	11.50	156	114780	49.563	ug/l	98
78) n-propylbenzene	11.60	91	645774	48.129	ug/l	97
79) 2-Chlorotoluene	11.72	91	362454	47.639	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	457600	51.710	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	28189m	46.197	ug/l	
82) 4-Chlorotoluene	11.89	91	362673	47.238	ug/l	94
83) tert-Butylbenzene	12.13	119	456940	49.888	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	437746	48.023	ug/l	92
85) sec-Butylbenzene	12.31	105	615767	49.504	ug/l	99
86) p-Isopropyltoluene	12.46	119	505506	49.507	ug/l	95
87) 1,3-Dichlorobenzene	12.48	146	210420	45.243	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	218105	49.839	ug/l	98
89) n-Butylbenzene	12.84	91	507935	48.235	ug/l	97
90) Hexachloroethane	12.92	117	127686	53.049	ug/l	94
91) 1,2-Dichlorobenzene	12.94	146	206174	47.591	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	20896	60.308	ug/l	72

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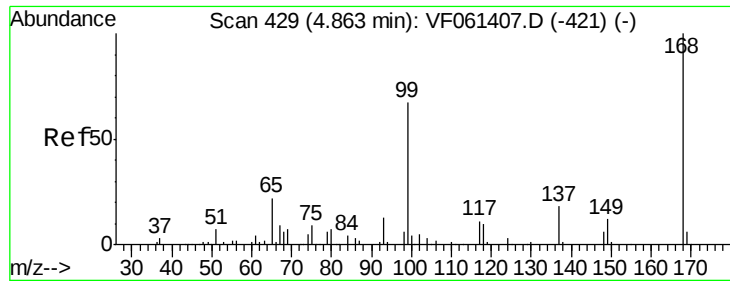
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	144953	47.763	ug/l	97
94) Hexachlorobutadiene	14.19	225	95794	50.868	ug/l	98
95) Naphthalene	14.46	128	288785	50.085	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	136553	48.607	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 171036

Ion Ratio Lower Upper

168 100

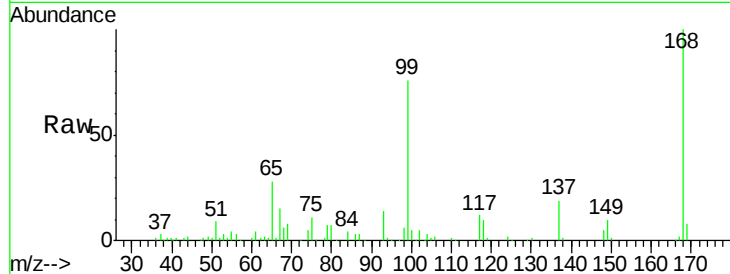
99 75.9 53.5 80.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

50000

40000

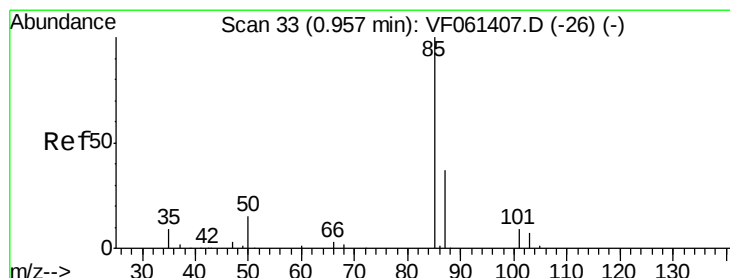
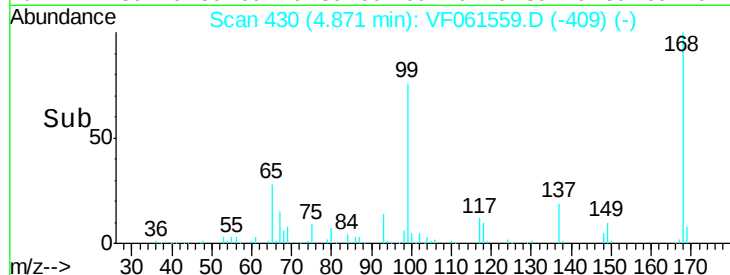
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.983 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061559.D

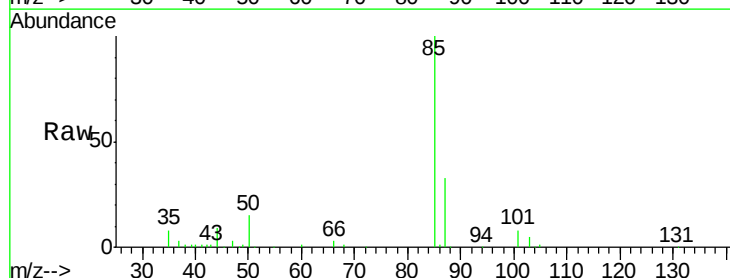
Acq: 8 Feb 2019 15:29

Tgt Ion: 85 Resp: 147809

Ion Ratio Lower Upper

85 100

87 32.6 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

40000

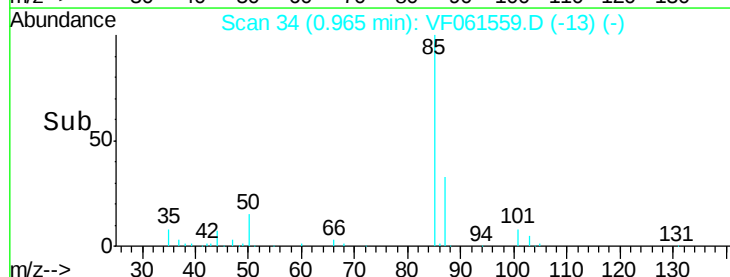
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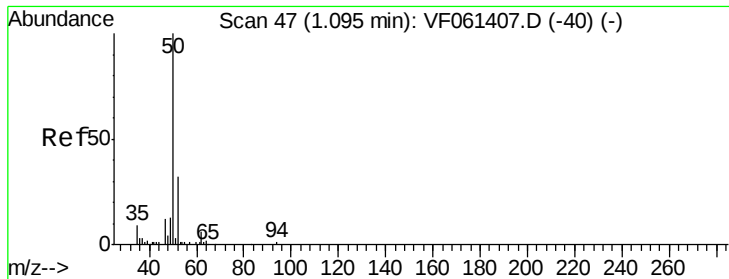
20000

10000

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Time-->





#3

Chloromethane

Concen: 43.937 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 108267

Ion Ratio Lower Upper

50 100

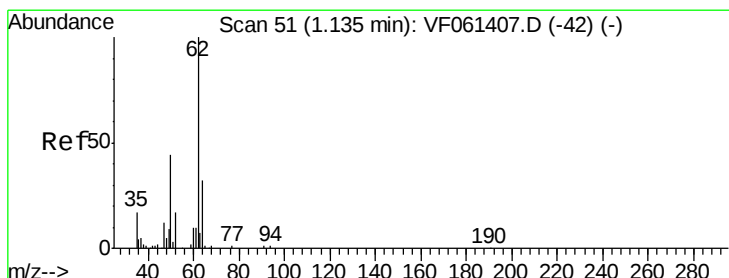
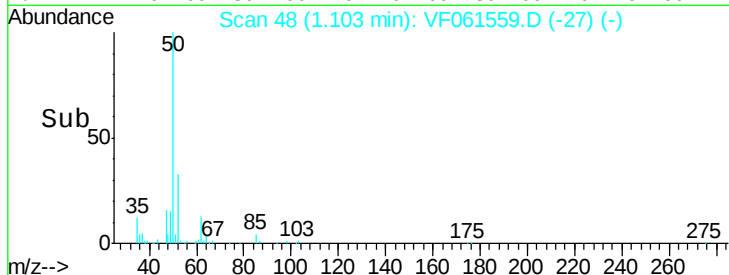
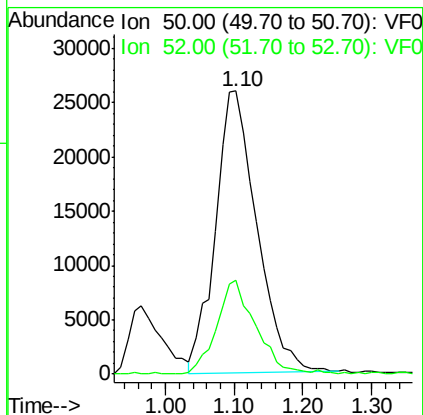
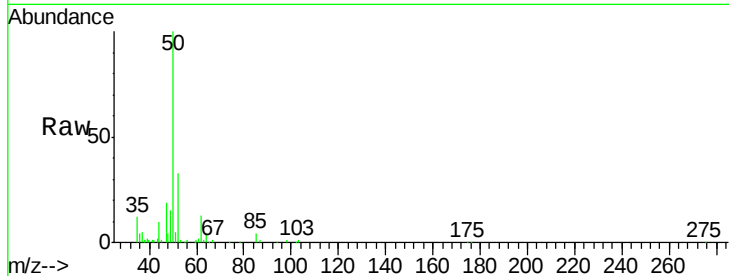
52 33.3 24.6 36.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.186 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061559.D

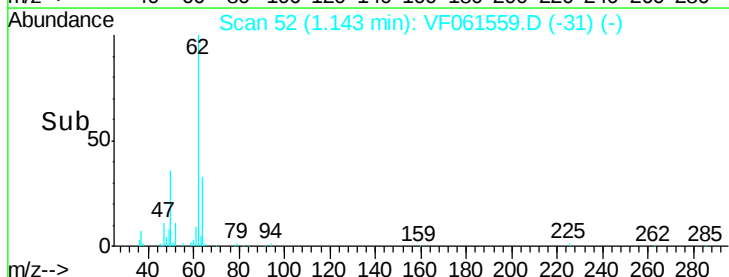
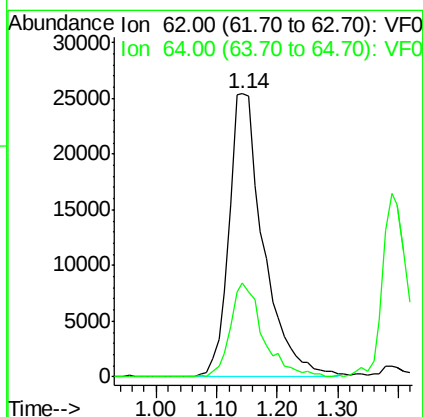
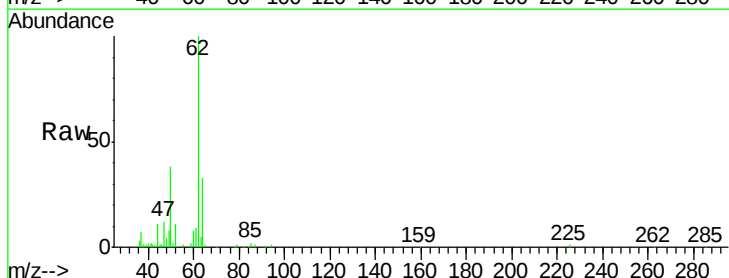
Acq: 8 Feb 2019 15:29

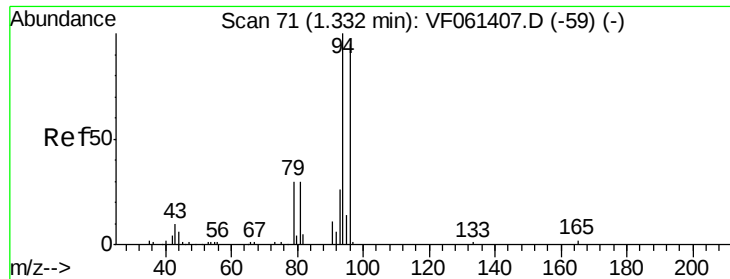
Tgt Ion: 62 Resp: 101238

Ion Ratio Lower Upper

62 100

64 33.0 25.6 38.4





#5

Bromomethane

Concen: 48.447 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 69249

Ion Ratio Lower Upper

94 100

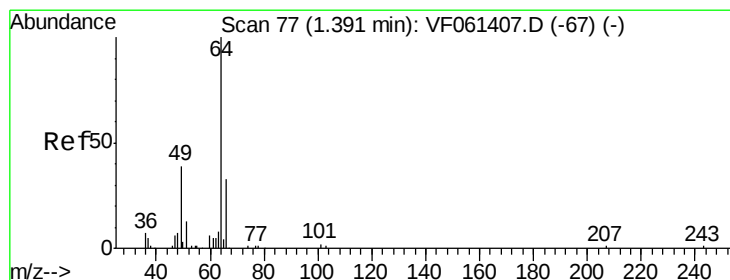
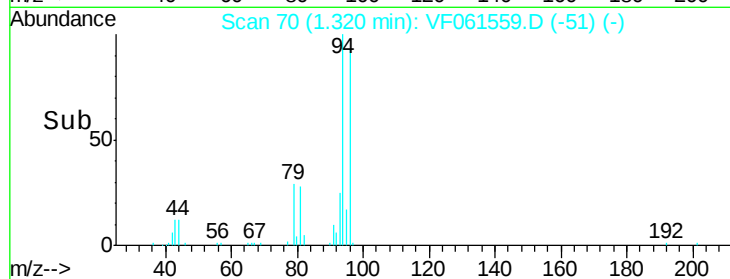
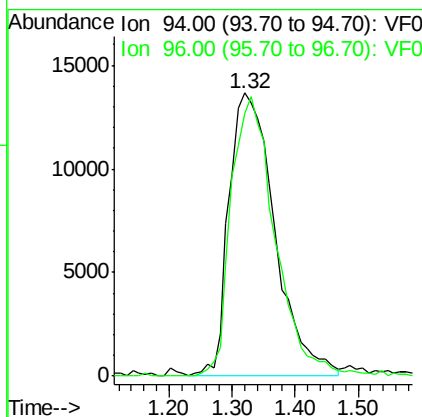
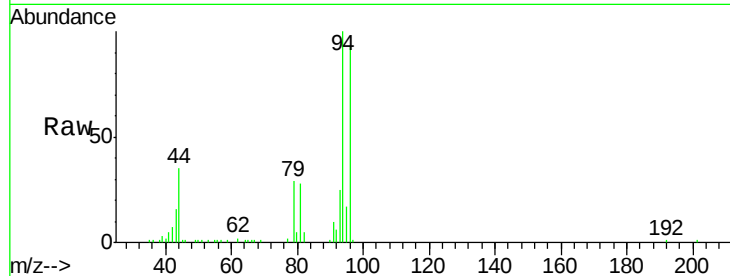
96 92.9 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 50.315 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061559.D

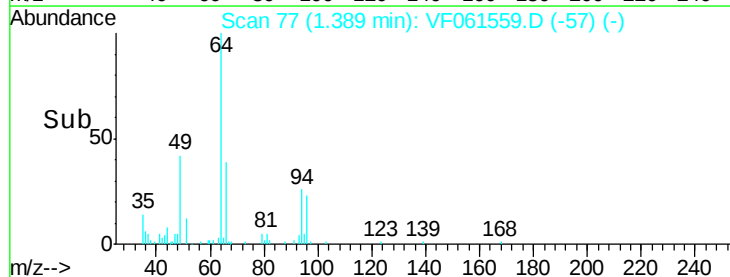
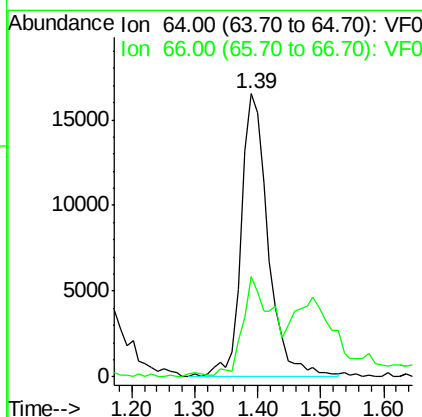
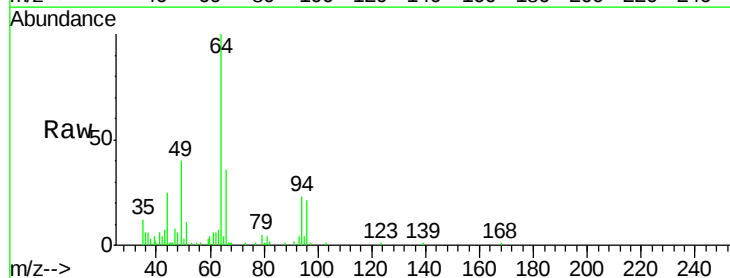
Acq: 8 Feb 2019 15:29

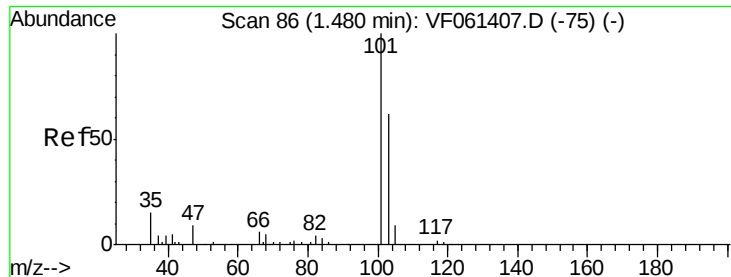
Tgt Ion: 64 Resp: 48869

Ion Ratio Lower Upper

64 100

66 35.5 26.6 40.0





#7

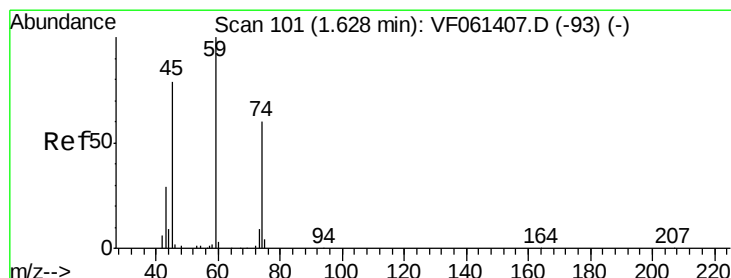
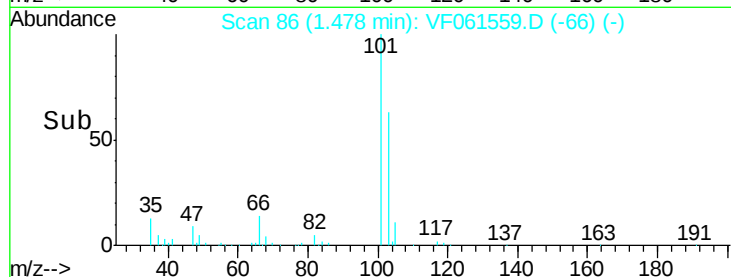
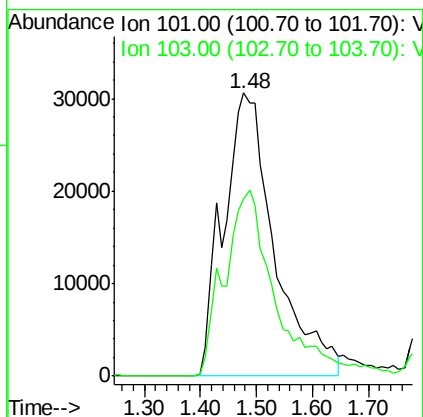
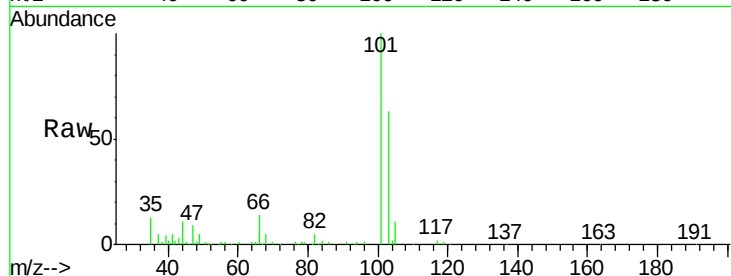
Trichlorofluoromethane
Concen: 45.839 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.00 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	49.7	74.5

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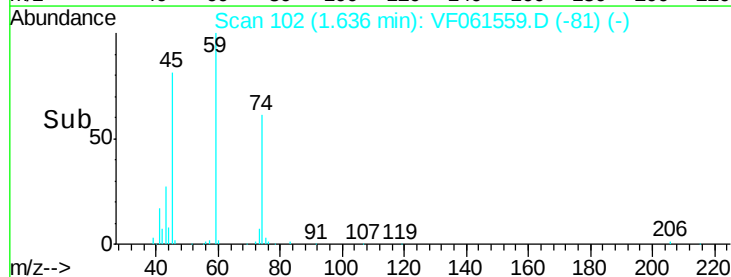
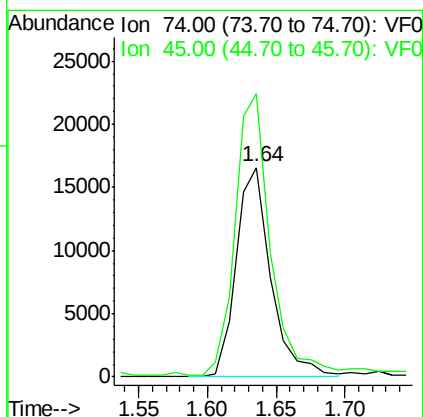
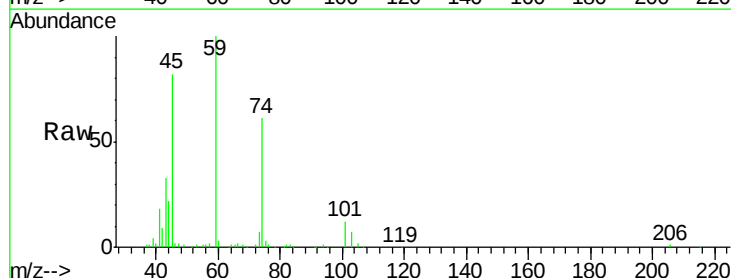
MMDadoda
2/12/2019 2:32:04 AM

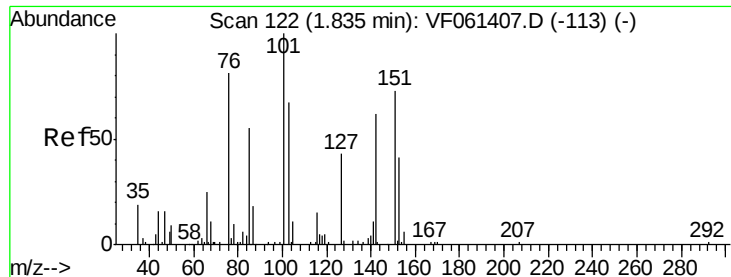


#8

Diethyl Ether
Concen: 53.590 ug/l
RT: 1.64 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	135.3	65.8	197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.517 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

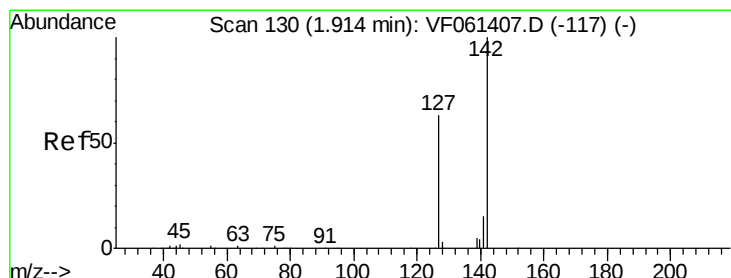
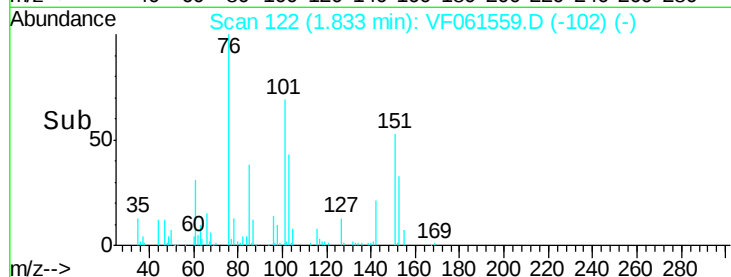
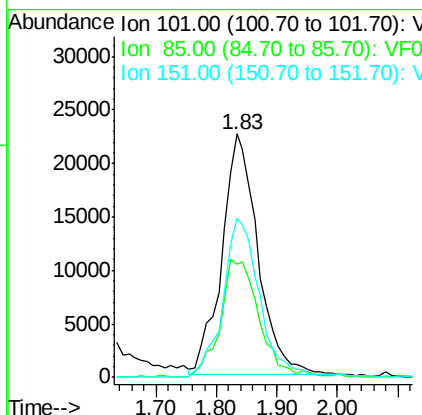
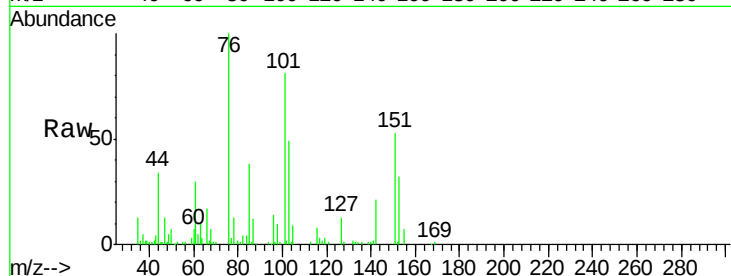
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	93198
Ion Ratio	Lower	Upper	
101	100		
85	46.7	41.9	62.9
151	65.3	55.1	82.7

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2/12/2019 2:32:04 AM



#10

Methyl Iodide

Concen: 46.907 ug/l m

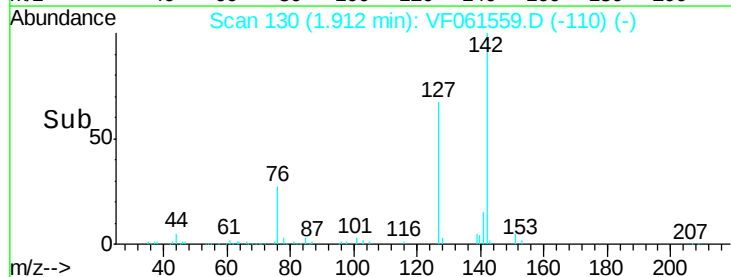
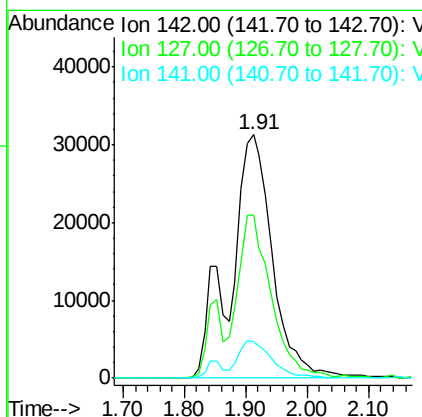
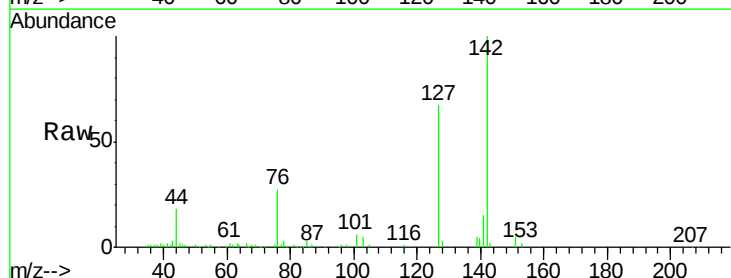
RT: 1.91 min Scan# 130

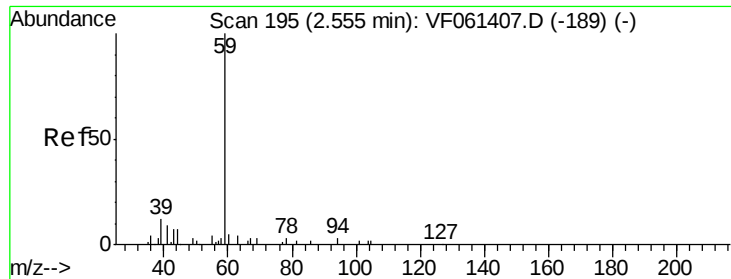
Delta R.T. -0.00 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Tgt Ion:	142	Resp:	148896
Ion Ratio	Lower	Upper	
142	100		
127	66.8	50.7	76.1
141	15.0	11.8	17.6





#11

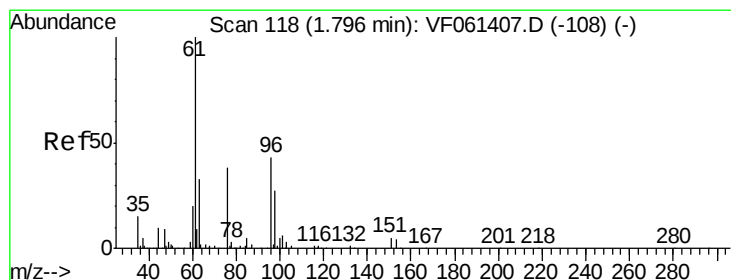
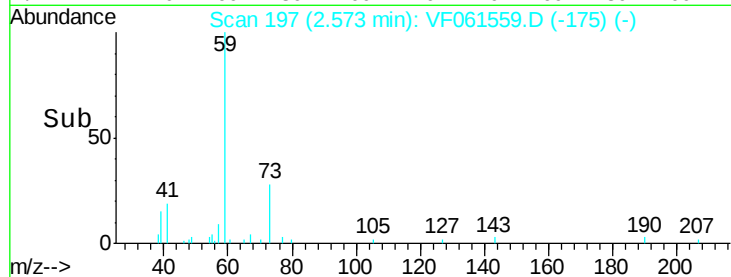
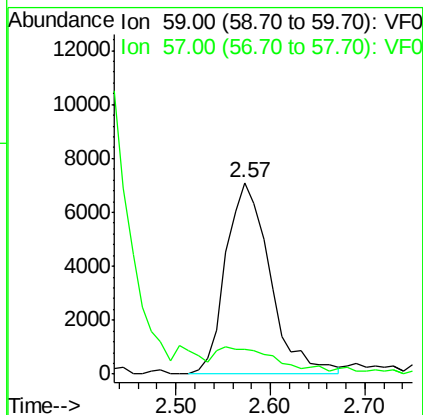
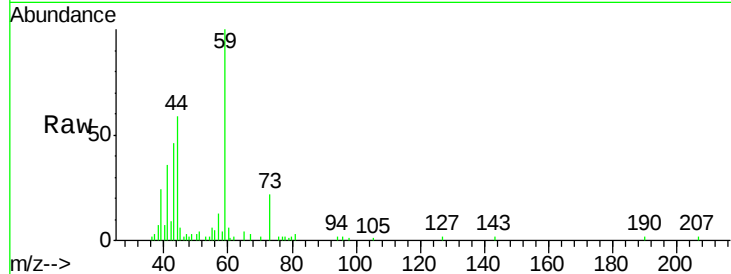
Tert butyl alcohol
Concen: 257.858 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	23048
Ion Ratio	100	Lower	Upper
57	13.0	11.9	17.9

Manual Integrations
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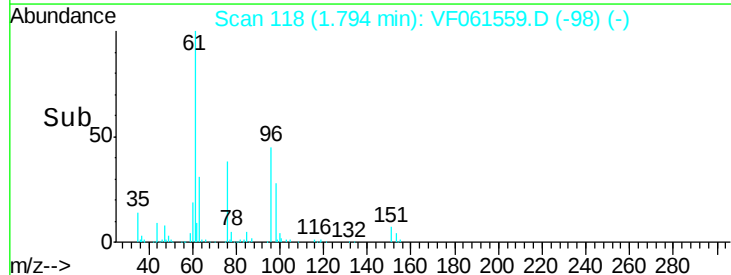
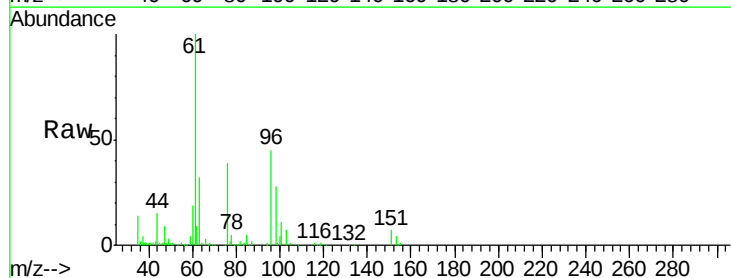
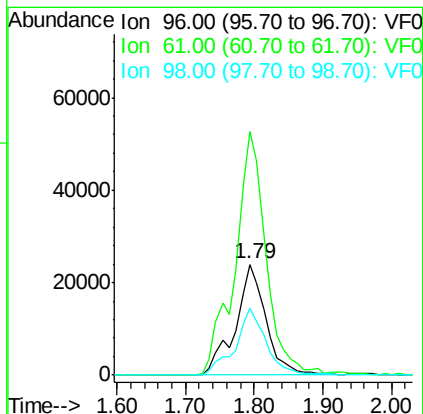
MMDadoda
2/12/2019 2:32:04 AM

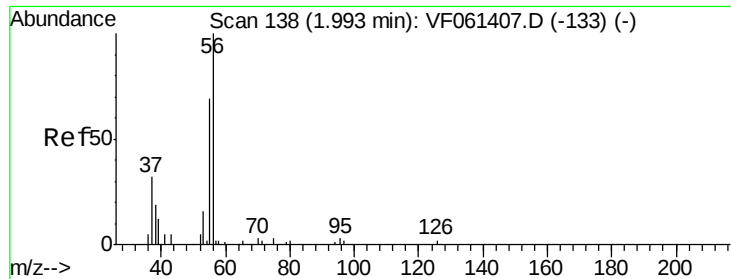


#12

1,1-Dichloroethene
Concen: 48.810 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Tgt Ion	96	Resp	74249
Ion Ratio	100	Lower	Upper
61	220.1	186.9	280.3
98	60.5	53.0	79.4





#13

Acrolein

Concen: 202.592 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 15440

Ion Ratio Lower Upper

56 100

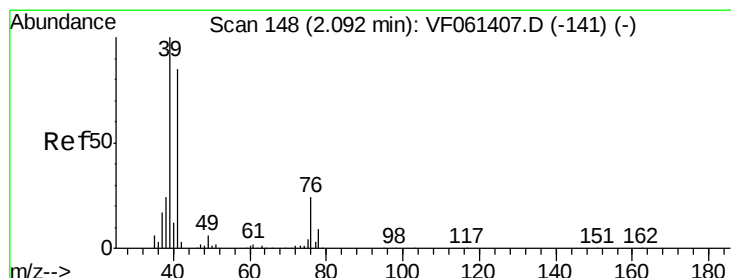
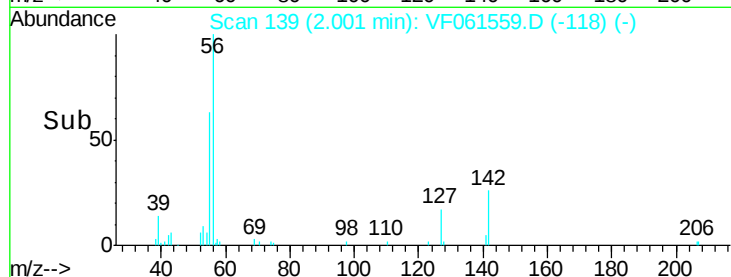
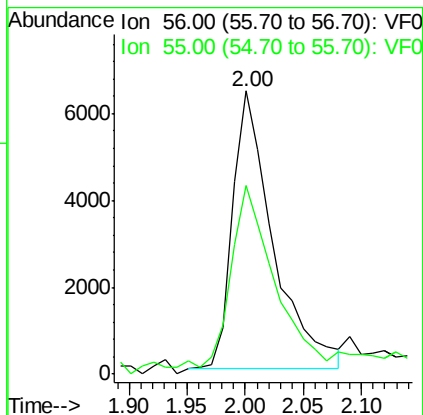
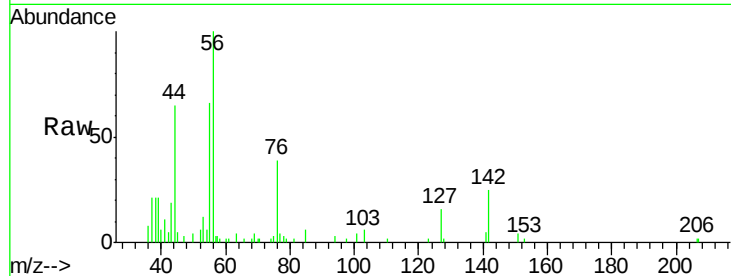
55 66.5 57.5 86.3

Manual Integrations

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#14

Allyl chloride

Concen: 62.349 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

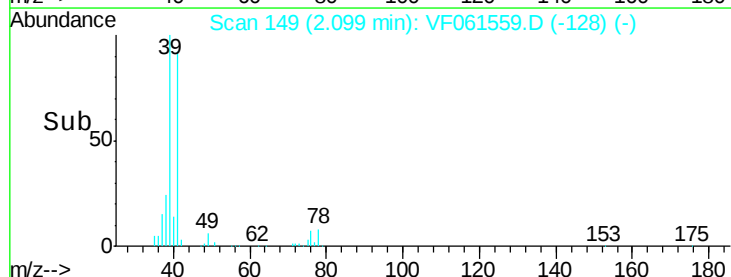
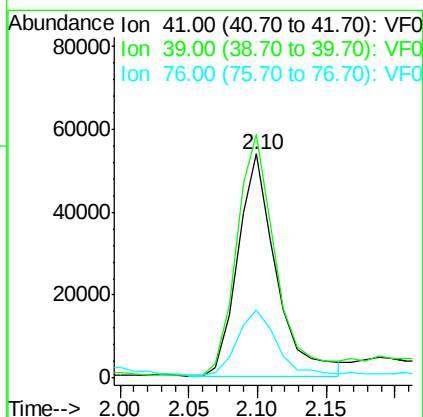
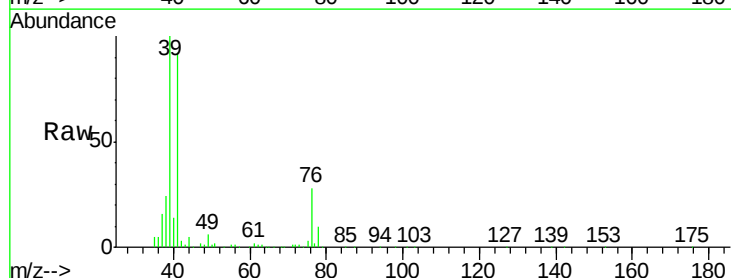
Tgt Ion: 41 Resp: 103830

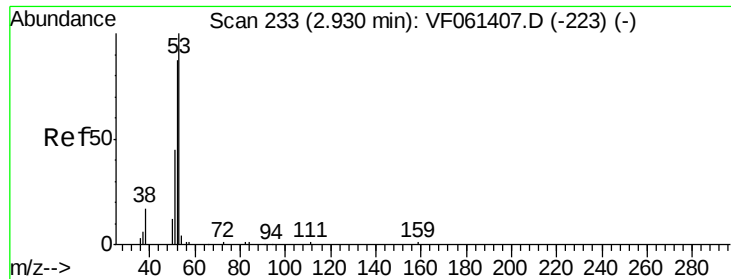
Ion Ratio Lower Upper

41 100

39 108.6 94.6 141.8

76 30.6 25.9 38.9





#15

Acrylonitrile

Concen: 234.558 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.02 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

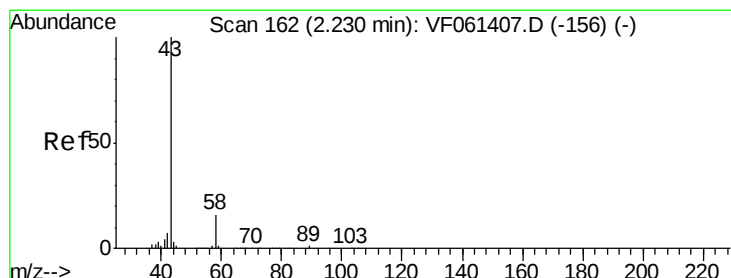
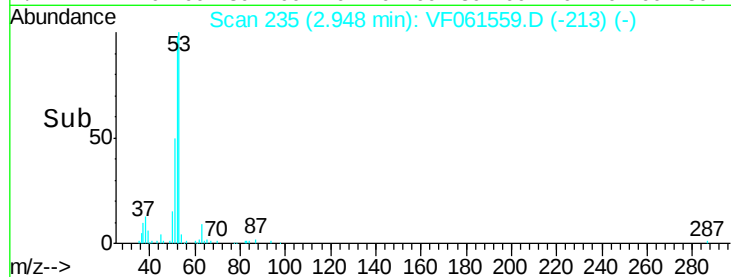
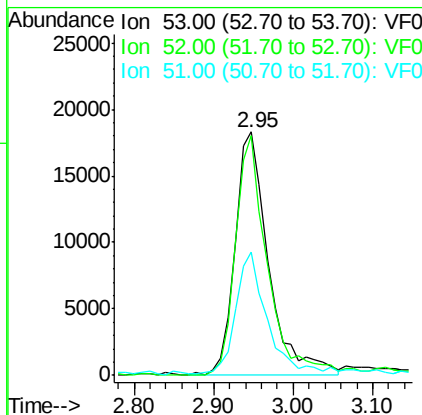
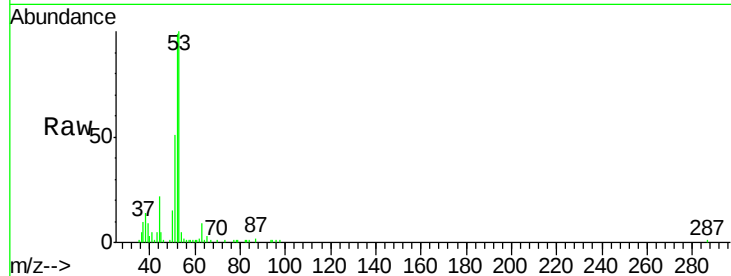
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	53703
Ion	Ratio	Lower	Upper
53	100		
52	98.7	69.6	104.4
51	50.5	36.8	55.2

Manual Integrations
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2/12/2019 2:32:04 AM



#16

Acetone

Concen: 251.251 ug/l

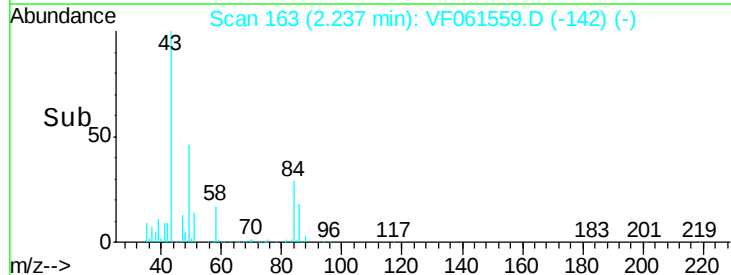
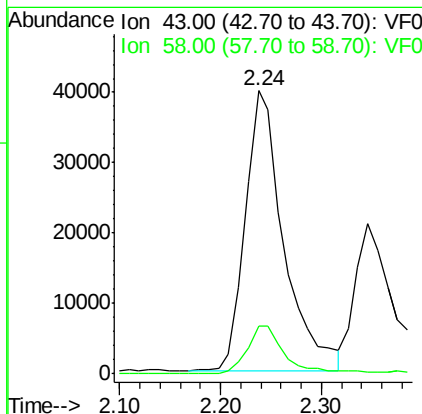
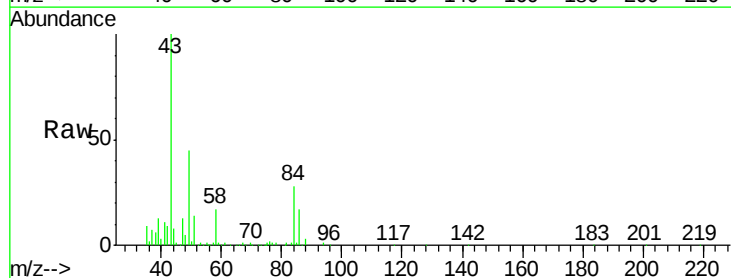
RT: 2.24 min Scan# 163

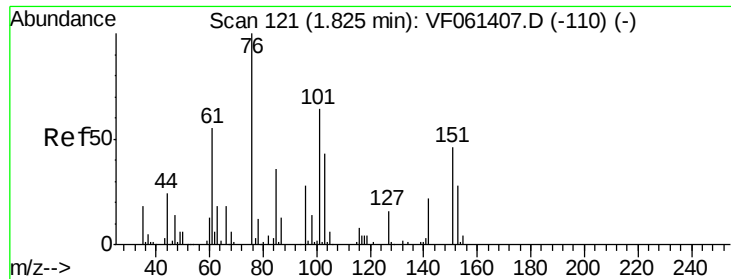
Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Tgt Ion:	43	Resp:	106436
Ion	Ratio	Lower	Upper
43	100		
58	16.9	13.3	19.9





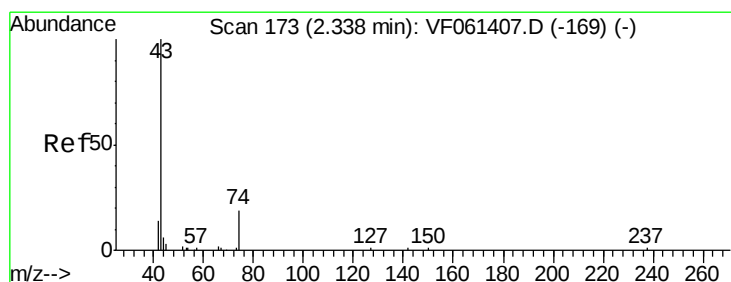
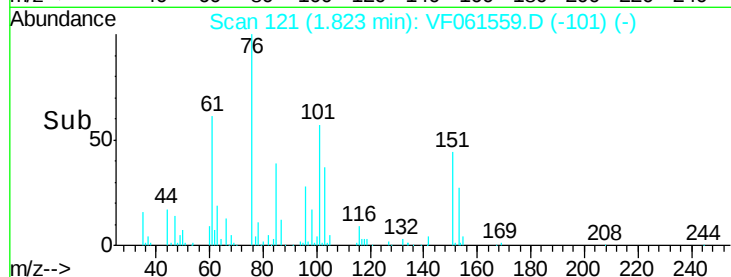
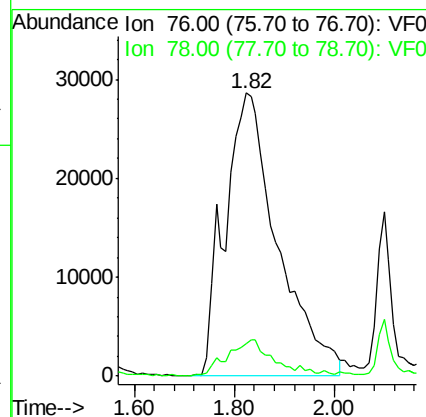
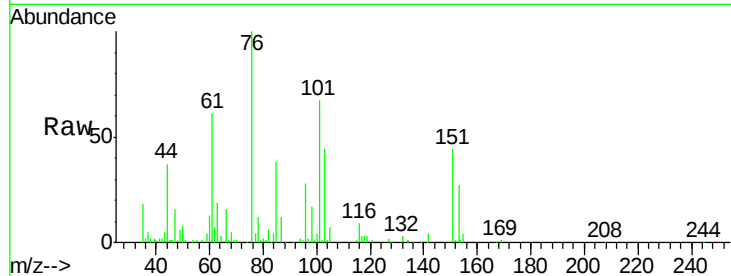
#17
Carbon Disulfide
Concen: 44.258 ug/l m
RT: 1.82 min Scan# 121
Delta R.T. -0.00 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 209925
Ion Ratio Lower Upper
76 100
78 11.7 9.6 14.4

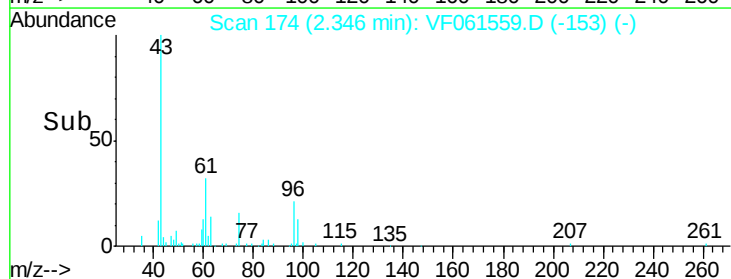
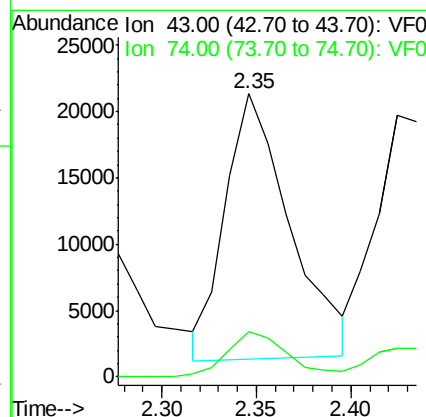
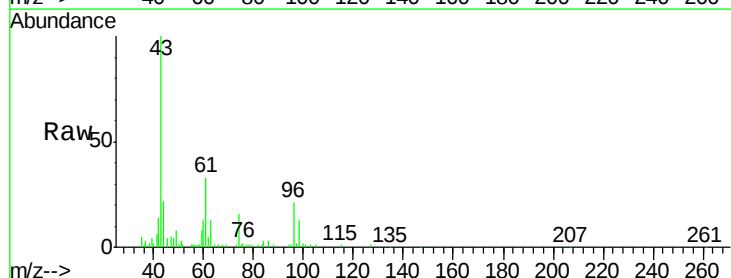
Manual Integrations
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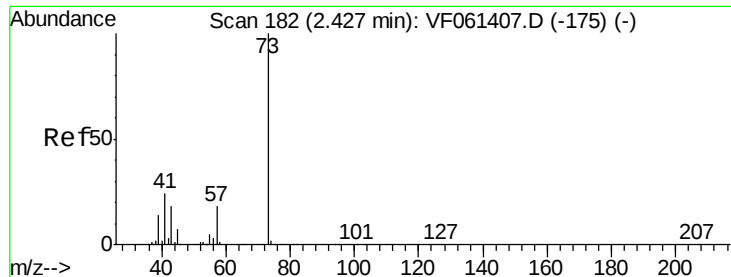
MMDadoda
2/12/2019 2:32:04 AM



#18
Methyl Acetate
Concen: 56.346 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.01 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Tgt Ion: 43 Resp: 47337
Ion Ratio Lower Upper
43 100
74 15.9 13.4 20.0





#19

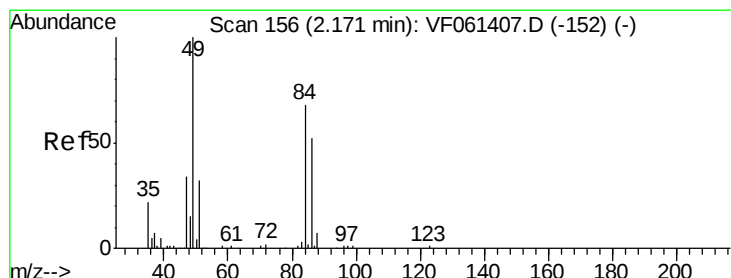
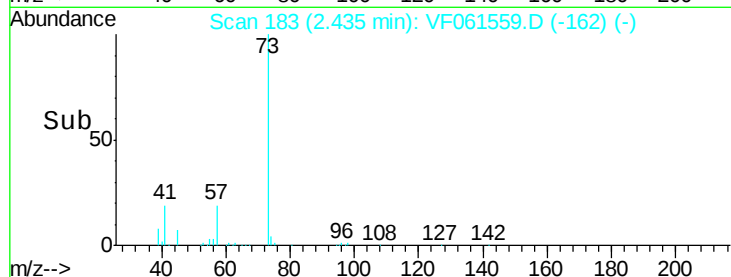
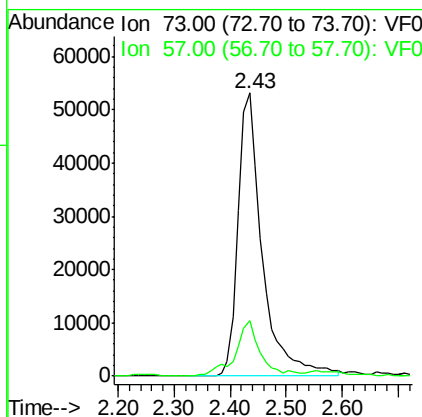
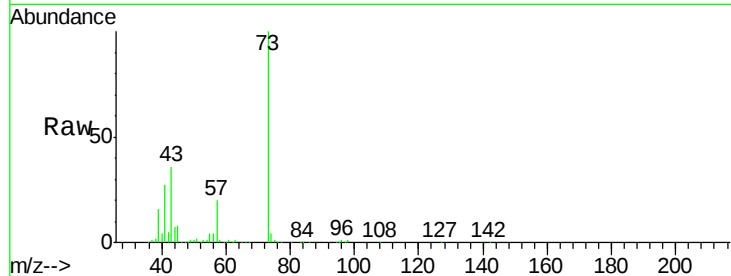
Methyl tert-butyl Ether
Concen: 46.972 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.7	14.8	22.2

Manual Integrations
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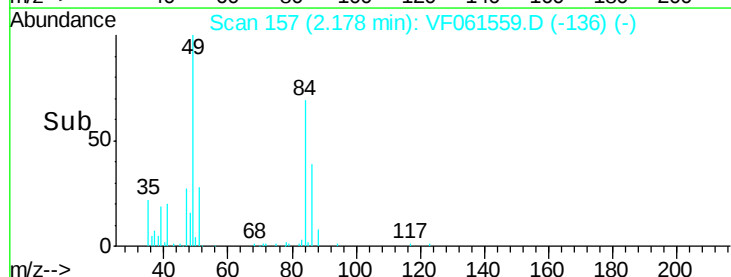
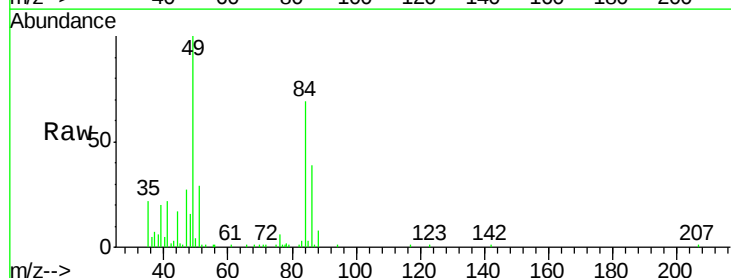
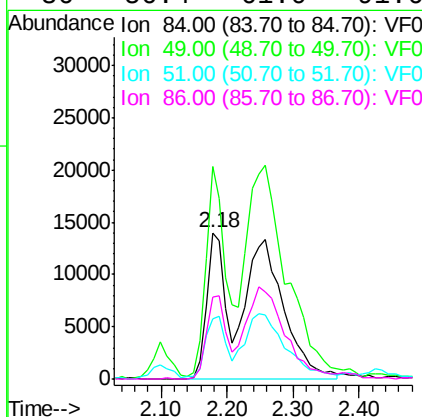
MMDadoda
2/12/2019 2:32:04 AM

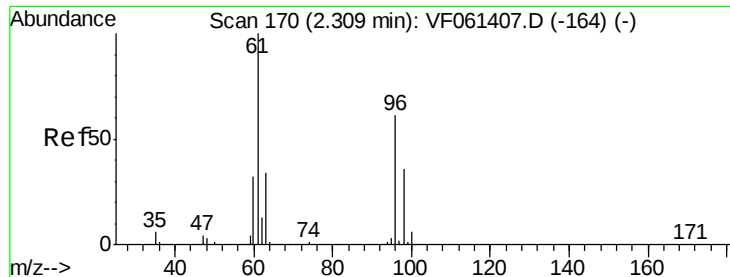


#20

Methylene Chloride
Concen: 56.050 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.2	120.0	180.0
51	41.5	38.6	58.0
86	56.4	61.0	91.6





#21

trans-1,2-Dichloroethene

Concen: 48.122 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

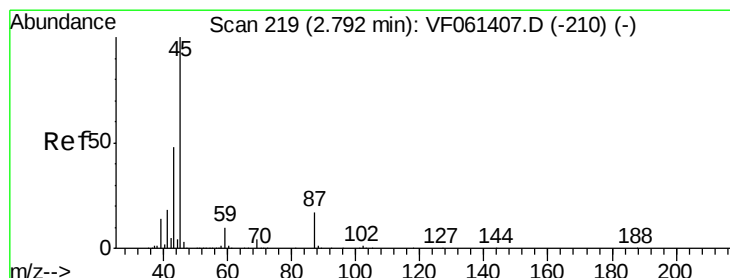
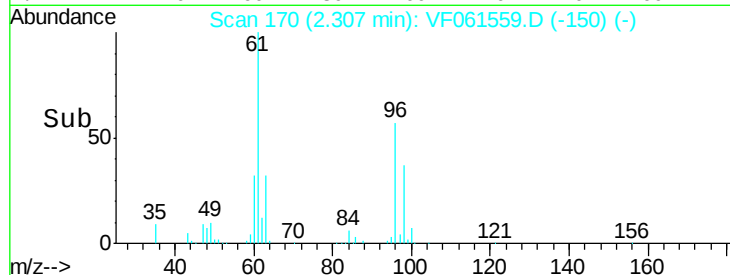
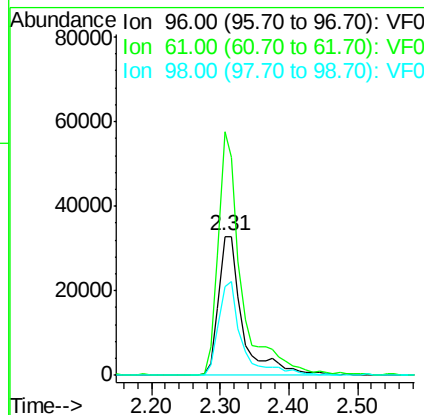
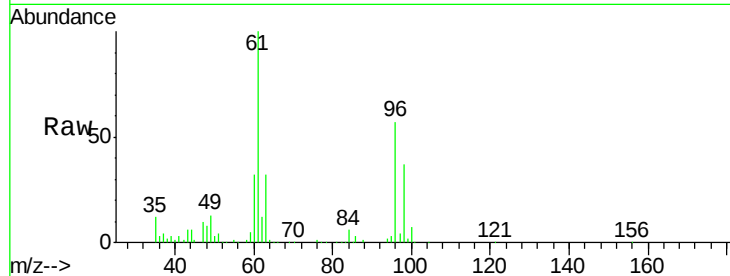
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	80540
Ion	Ratio	Lower	Upper
96	100		
61	175.5	131.8	197.8
98	64.2	47.4	71.0

Manual Integrations
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2/12/2019 2:32:04 AM



#22

Diisopropyl ether

Concen: 48.669 ug/l

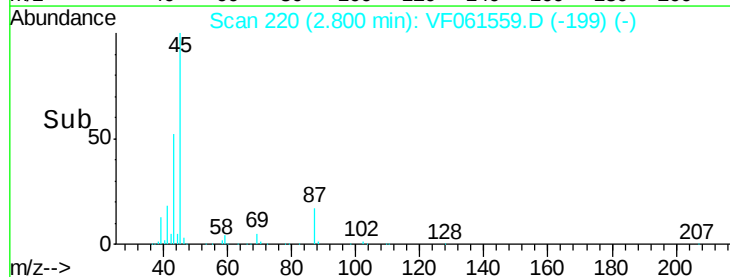
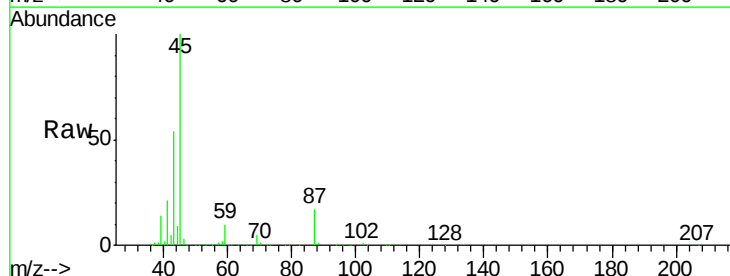
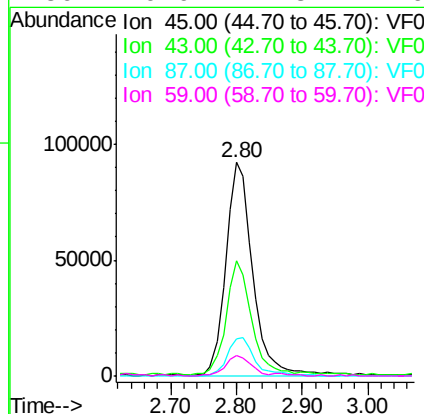
RT: 2.80 min Scan# 220

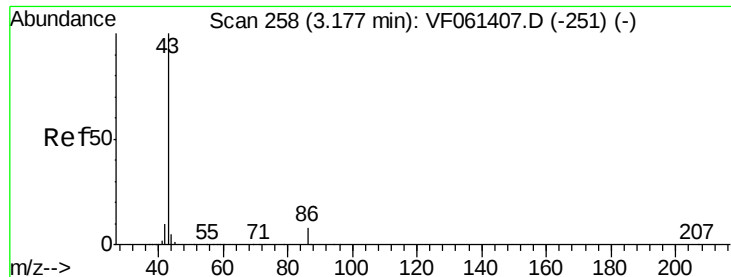
Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Tgt Ion:	45	Resp:	263463
Ion	Ratio	Lower	Upper
45	100		
43	53.7	39.0	58.6
87	17.2	13.9	20.9
59	9.9	7.8	11.6





#23

Vinyl Acetate

Concen: 249.241 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 593437

Ion Ratio Lower Upper

43 100

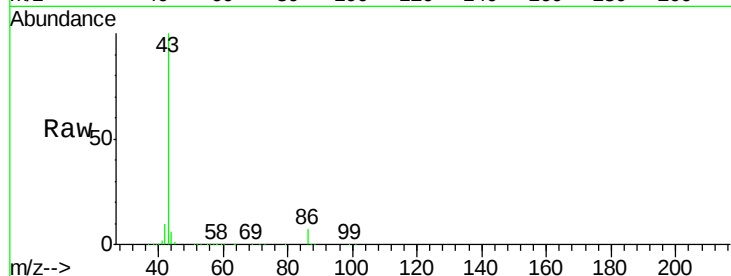
86 7.4 6.2 9.4

Manual Integrations

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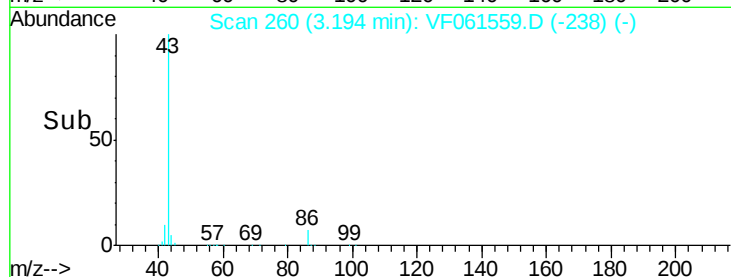
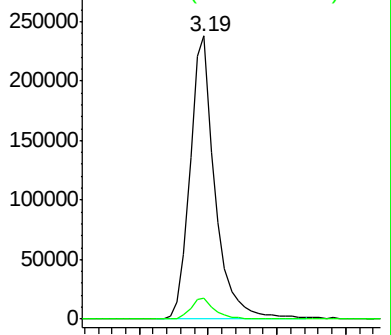
MMDadoda

2/12/2019 2:32:04 AM

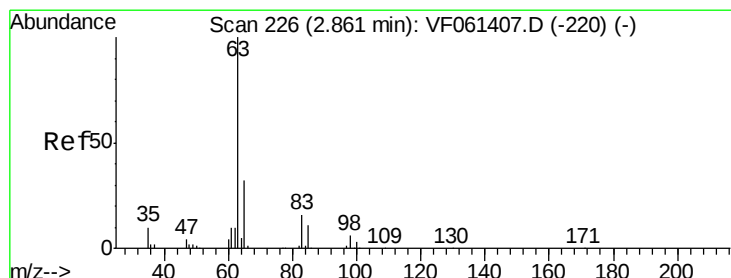


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#24

1,1-Dichloroethane

Concen: 48.350 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

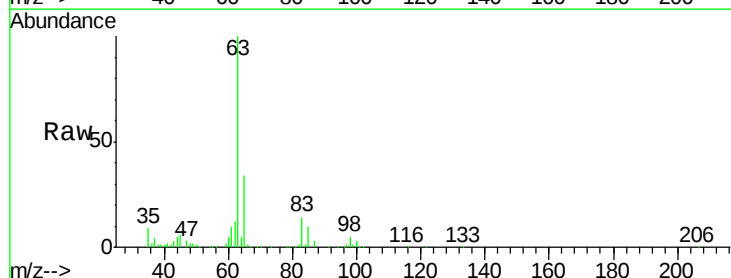
Tgt Ion: 63 Resp: 164274

Ion Ratio Lower Upper

63 100

98 4.9 2.9 8.8

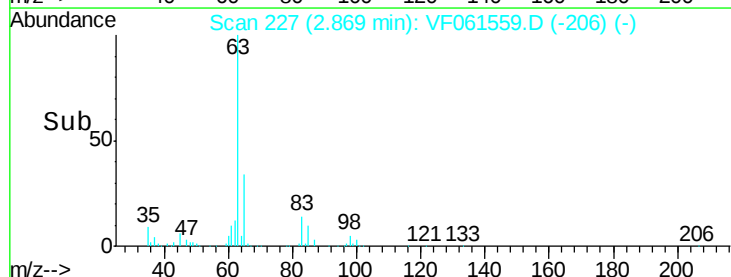
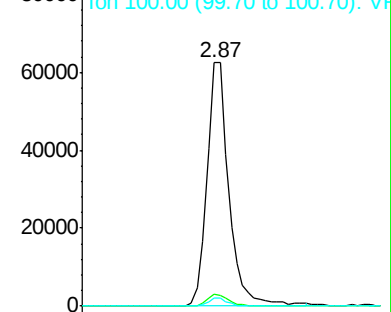
100 3.1 1.6 4.8



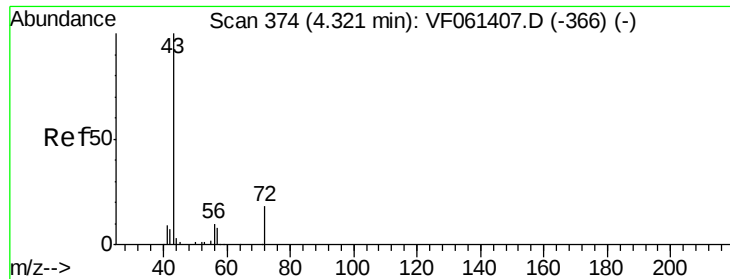
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->



#25

2-Butanone

Concen: 248.888 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.02 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 175334

Ion Ratio Lower Upper

43 100

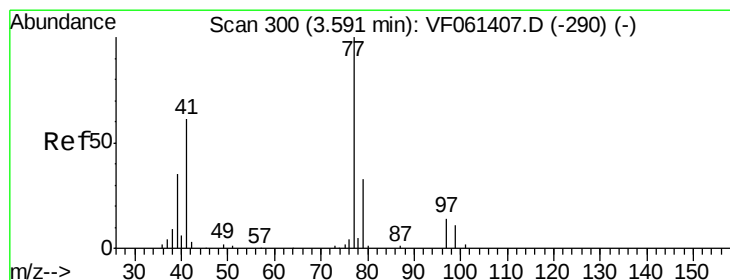
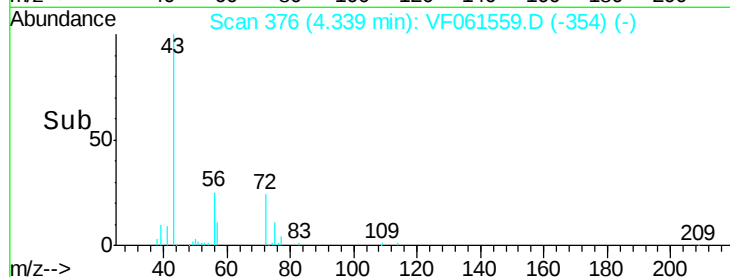
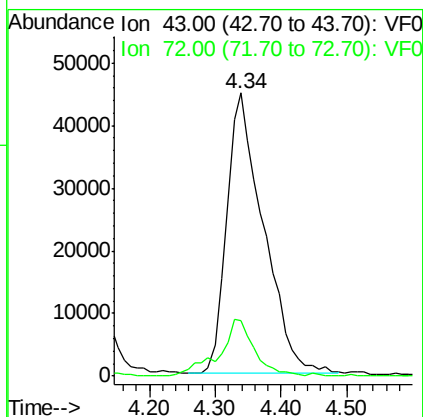
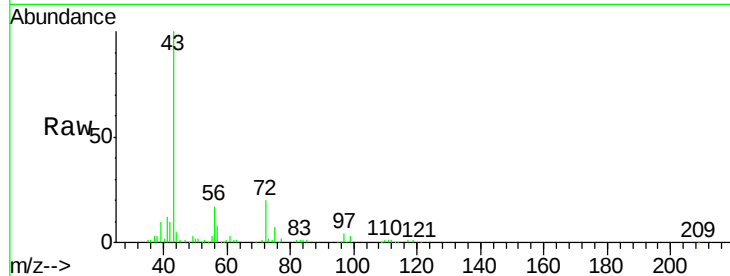
72 19.6 15.8 23.6

Manual Integrations

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MMDadoda

2/12/2019 2:32:04 AM



#26

2,2-Dichloropropane

Concen: 43.677 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061559.D

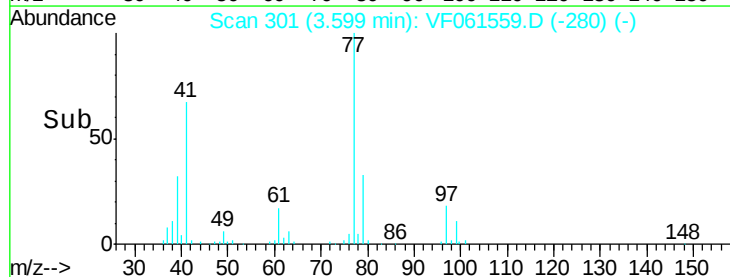
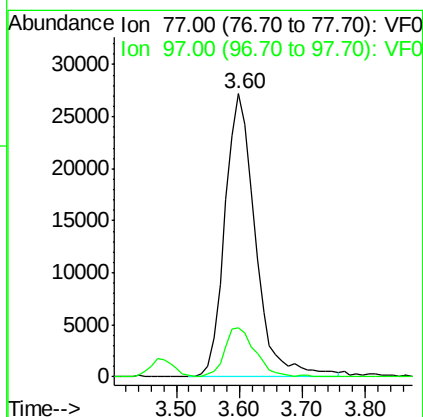
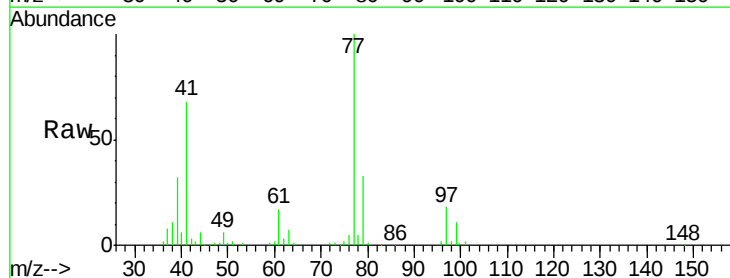
Acq: 8 Feb 2019 15:29

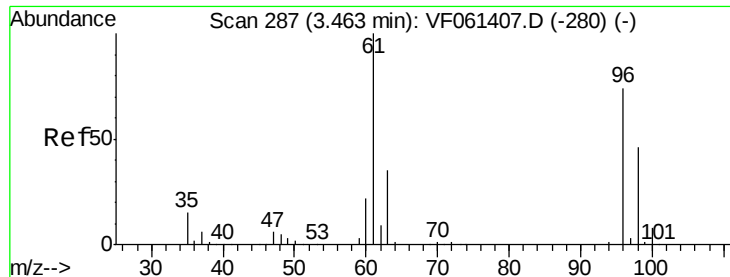
Tgt Ion: 77 Resp: 91173

Ion Ratio Lower Upper

77 100

97 17.5 8.5 25.5





#27

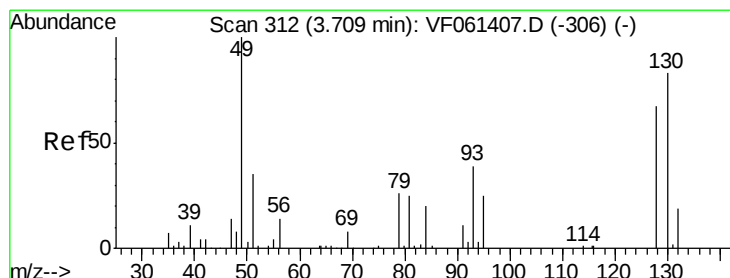
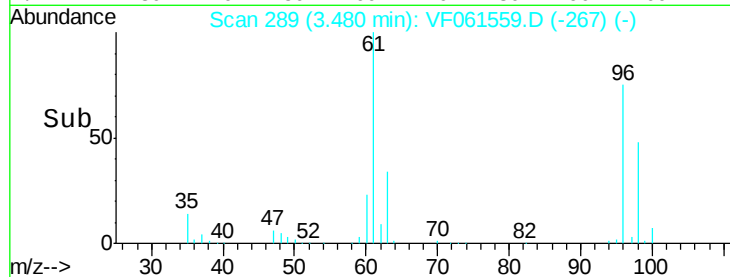
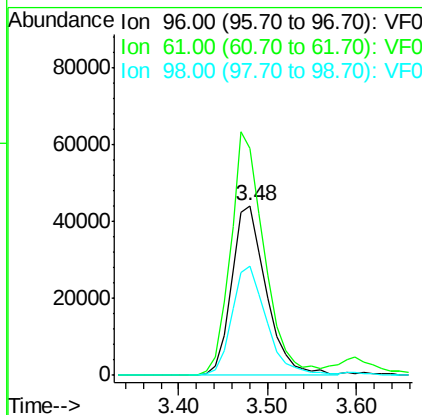
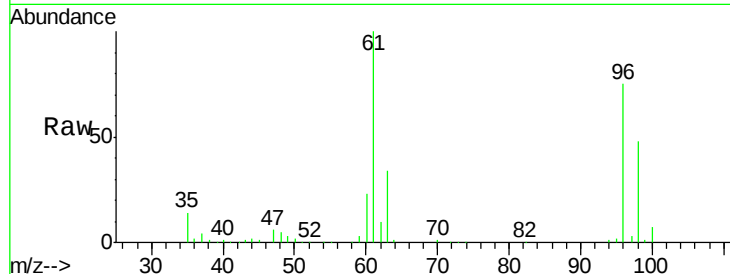
cis-1,2-Dichloroethene
Concen: 48.677 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.02 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	120261		
61	133.9	0.0	270.2	
98	64.3	0.0	124.0	

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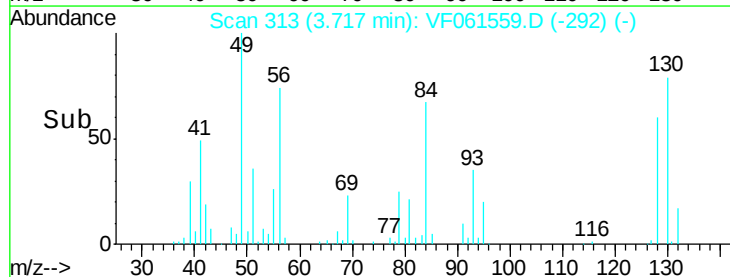
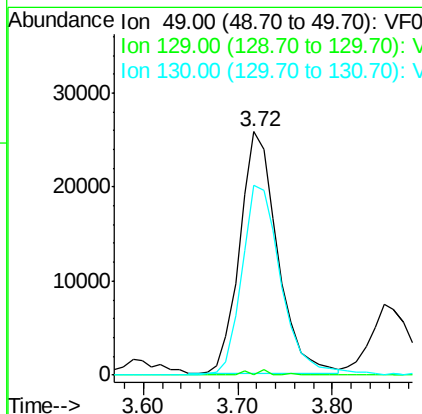
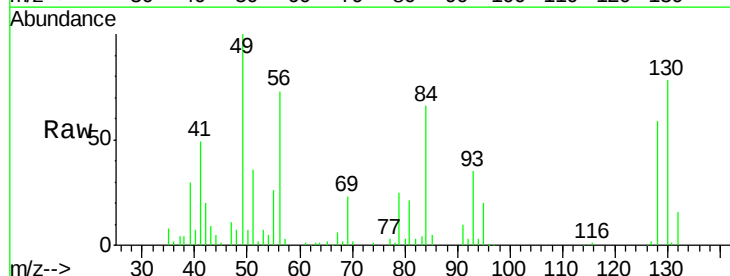
MMDadoda
2/12/2019 2:32:04 AM

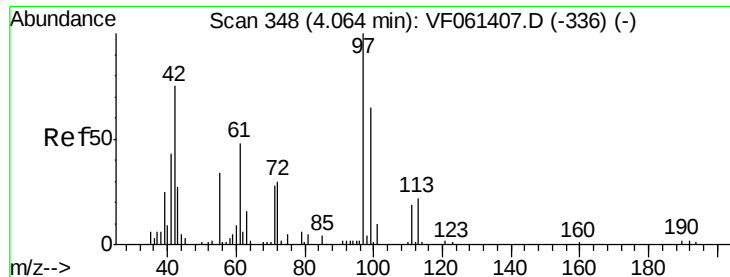


#28

Bromochloromethane
Concen: 46.789 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.01 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	71457		
129	0.0	0.0	0.0	
130	77.9	65.4	98.2	





#29

Tetrahydrofuran

Concen: 229.713 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

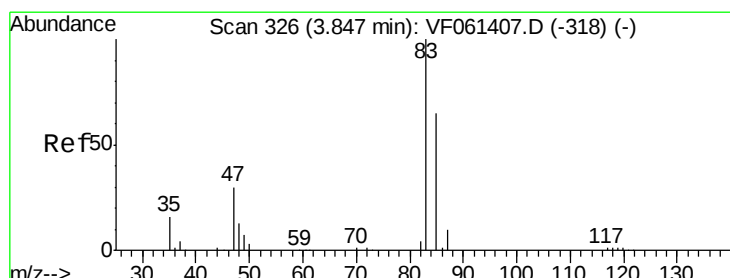
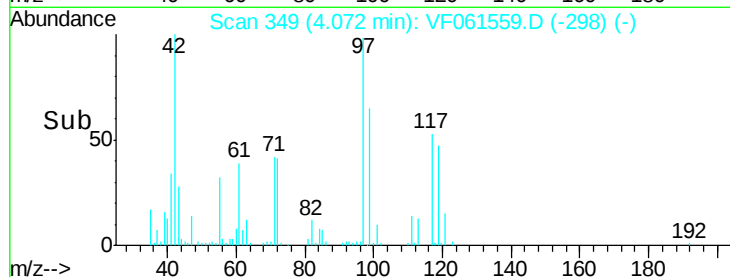
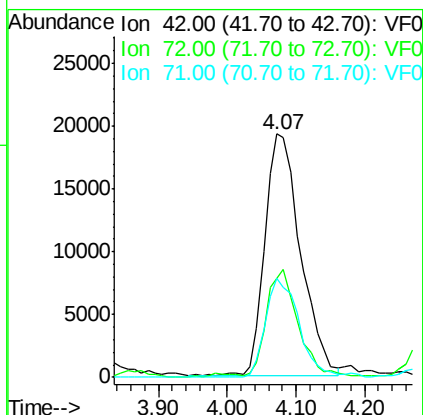
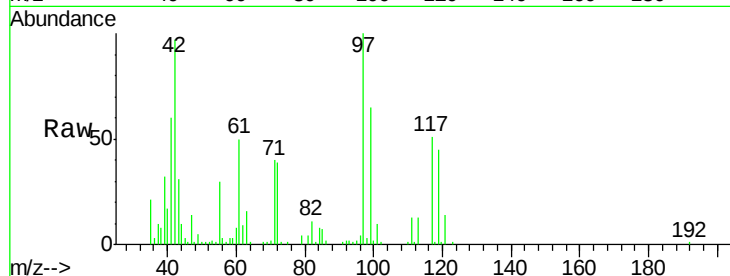
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	69681
Ion	Ratio	Lower	Upper
42	100		
72	38.9	28.9	43.3
71	39.1	29.6	44.4

Manual Integrations
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2/12/2019 2:32:04 AM



#30

Chloroform

Concen: 49.060 ug/l

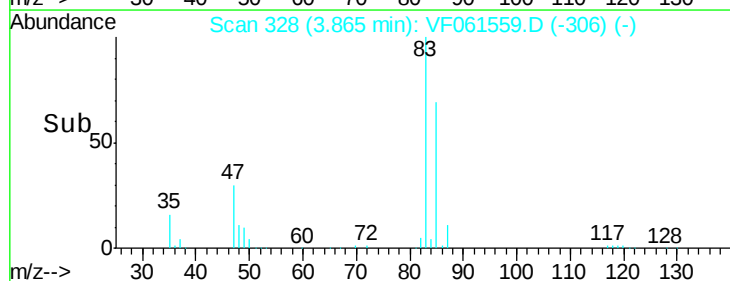
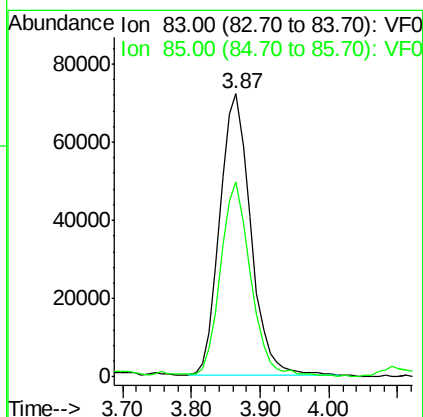
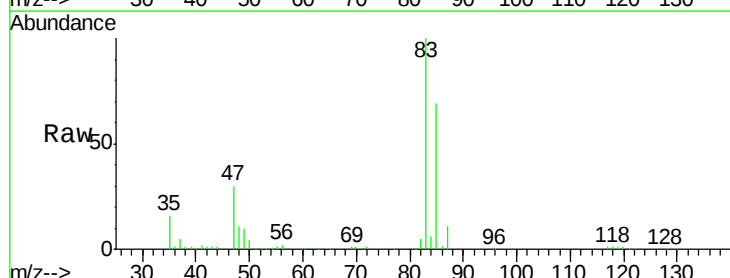
RT: 3.87 min Scan# 328

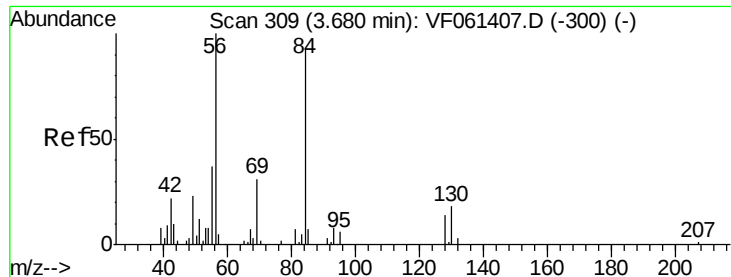
Delta R.T. 0.02 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Tgt Ion:	83	Resp:	224952
Ion	Ratio	Lower	Upper
83	100		
85	68.7	52.7	79.1





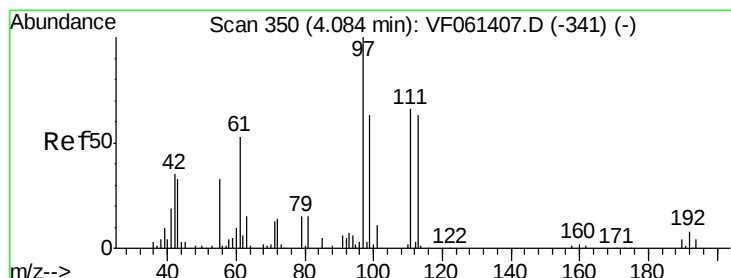
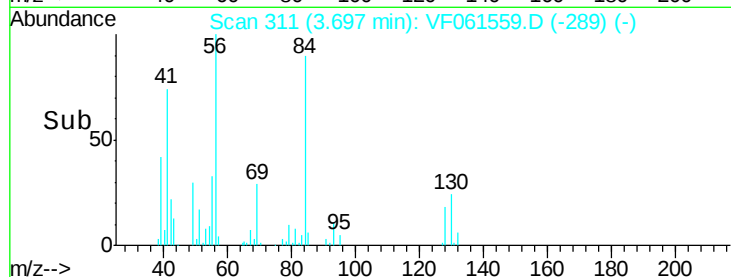
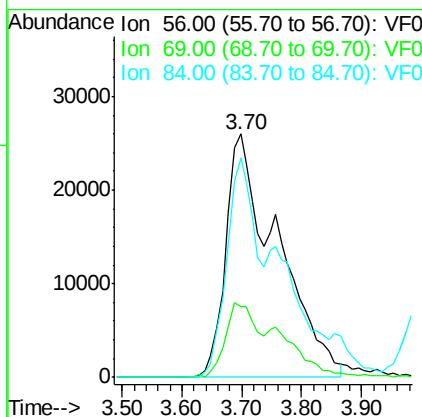
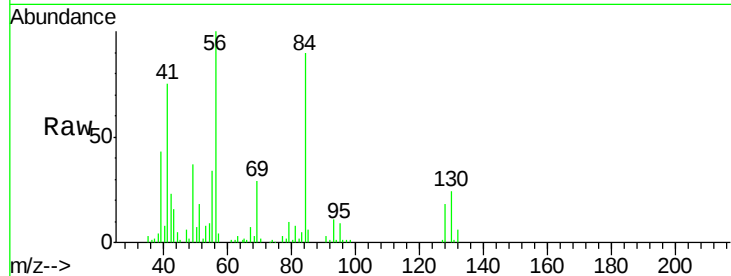
#31
Cyclohexane
Concen: 45.609 ug/l m
RT: 3.70 min Scan# 311
Delta R.T. 0.02 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.0	24.6	36.8
84	89.9	74.2	111.2

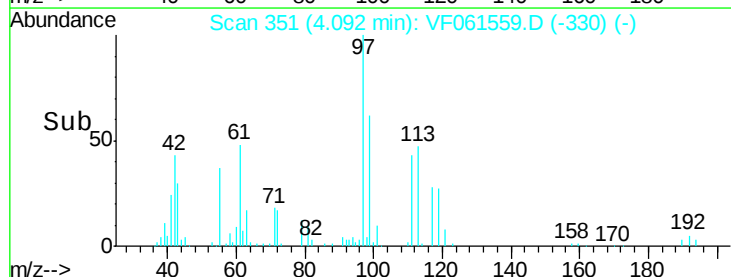
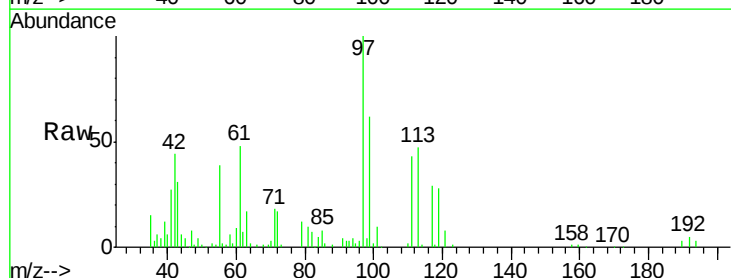
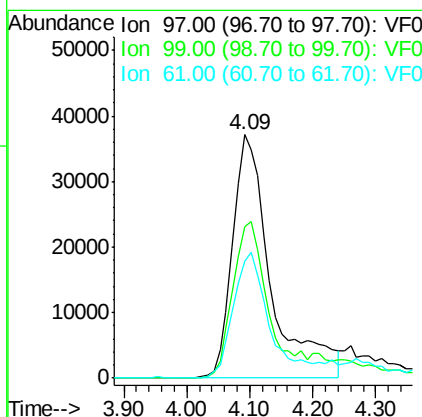
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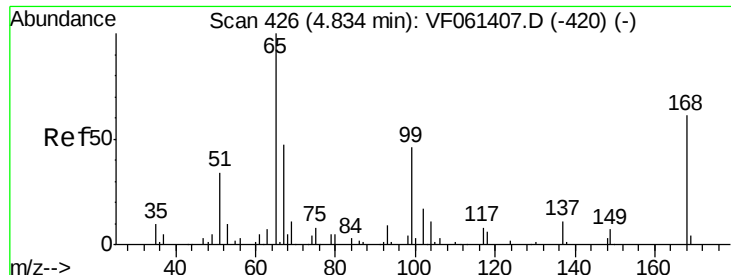
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 47.200 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	50.1	75.1
61	47.9	43.1	64.7





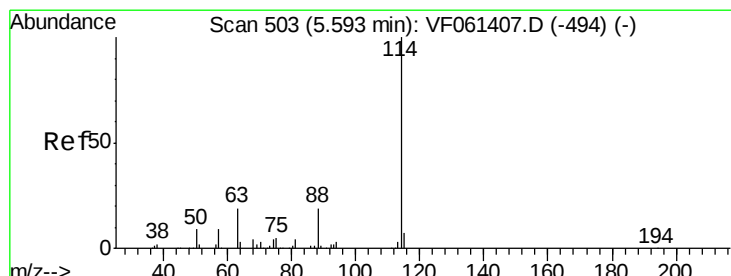
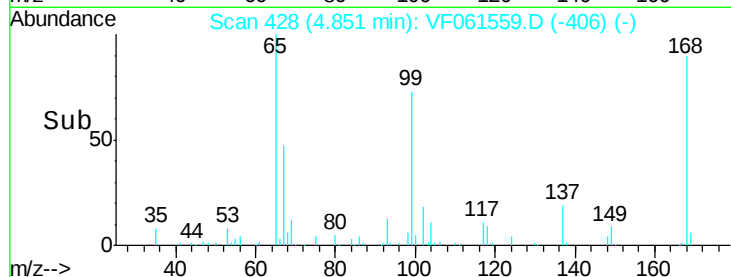
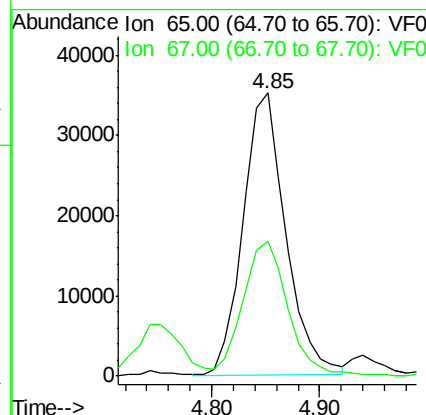
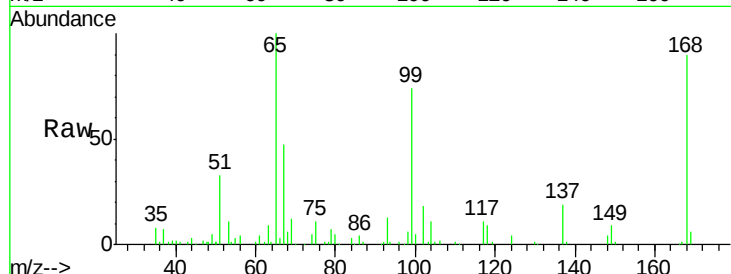
#33
 1,2-Dichloroethane-d4
 Concen: 45.978 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.02 min
 Lab File: VF061559.D
 Acq: 8 Feb 2019 15:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	97089		
67	47.5	0.0	99.8	

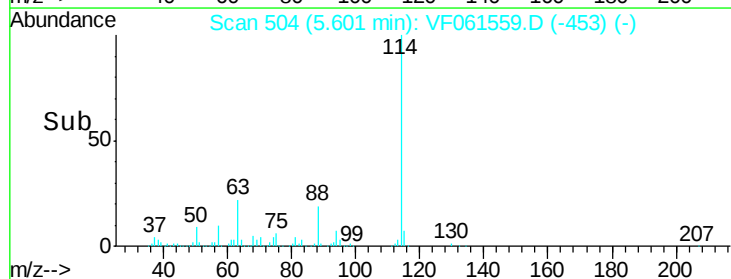
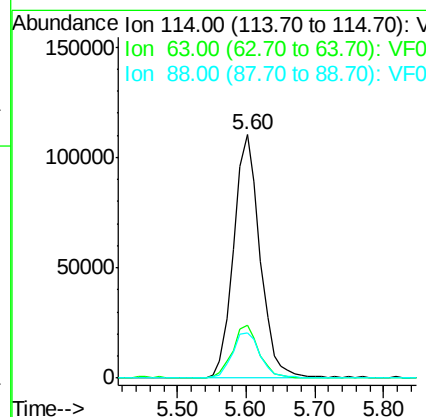
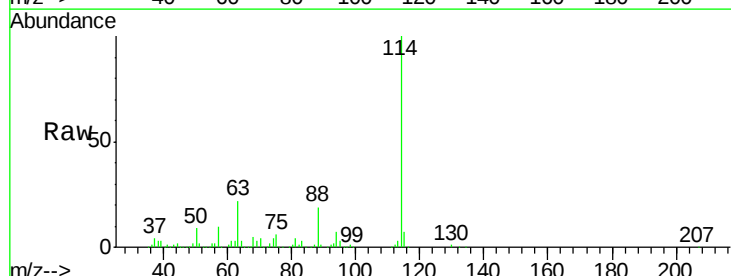
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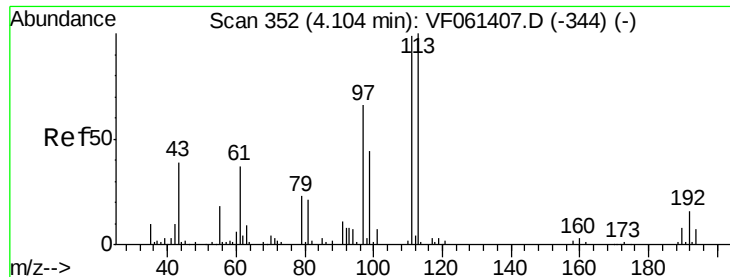
MMDadoda
 2/12/2019 2:32:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VF061559.D
 Acq: 8 Feb 2019 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	293740		
63	21.6	0.0	39.0	
88	18.7	0.0	37.4	





#35

Dibromofluoromethane

Concen: 47.738 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061559.D

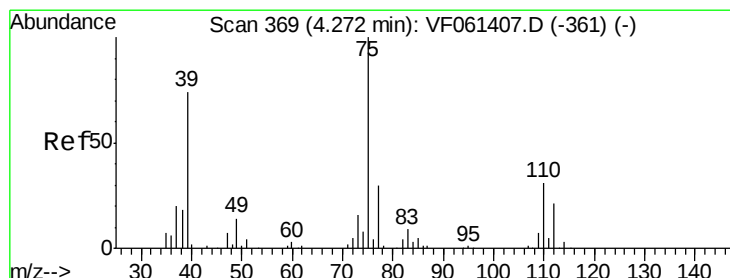
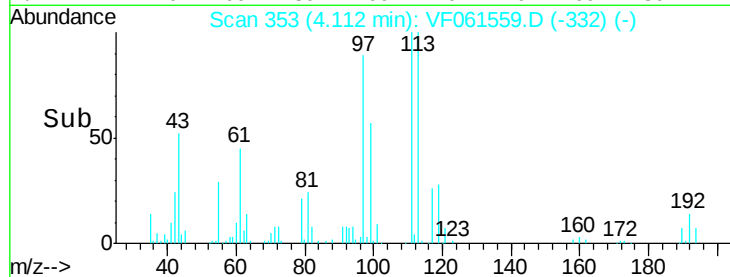
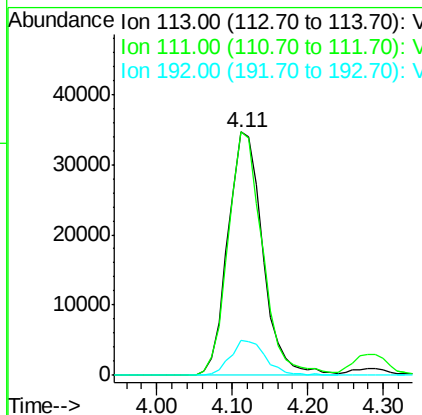
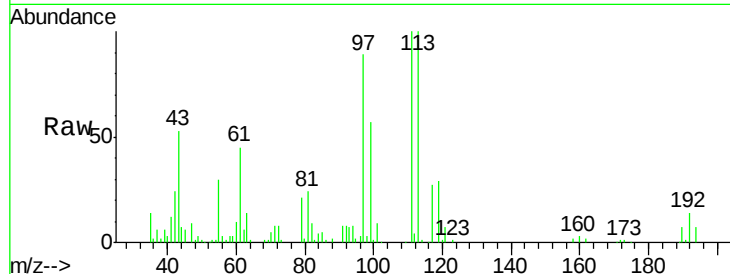
Acq: 8 Feb 2019 15:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.0	79.4	119.0
192	14.3	12.4	18.6

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#36

1,1-Dichloropropene

Concen: 48.333 ug/l

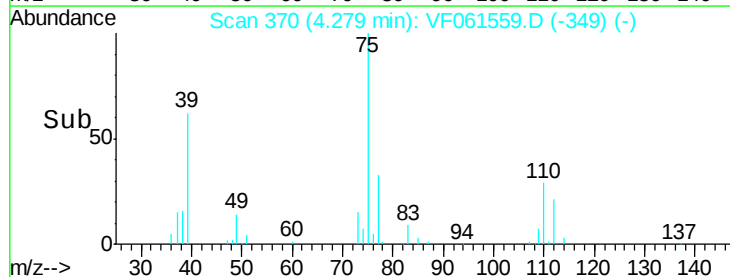
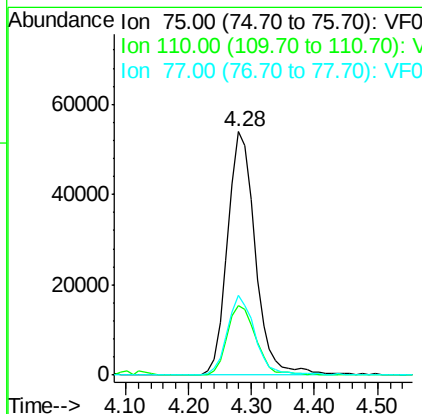
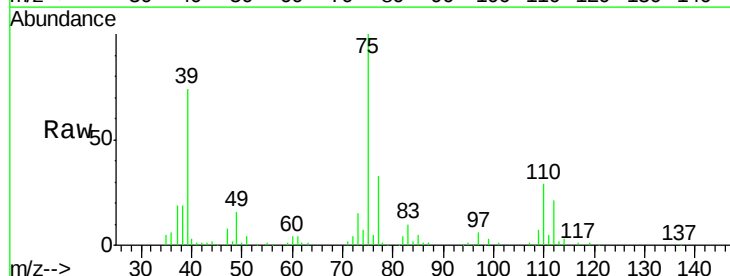
RT: 4.28 min Scan# 370

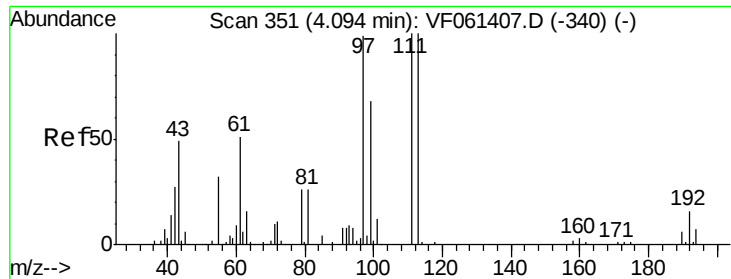
Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.8	15.8	47.3
77	32.8	24.0	36.0





#37

Ethyl Acetate

Concen: 49.462 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.02 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

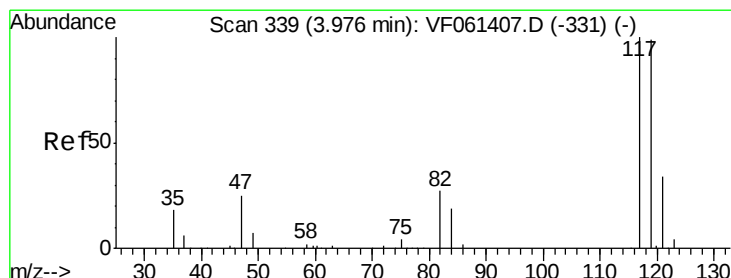
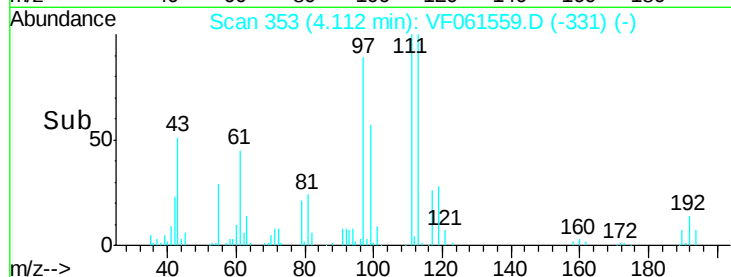
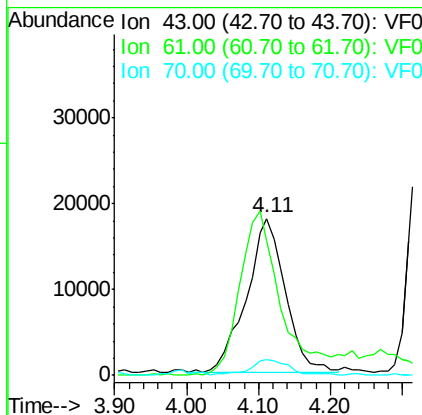
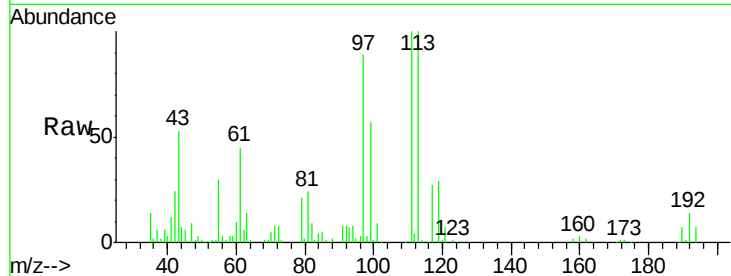
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	67337
Ion	Ratio	Lower	Upper
43	100		
61	85.7	81.7	122.5
70	10.0	6.2	9.2#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 47.222 ug/l

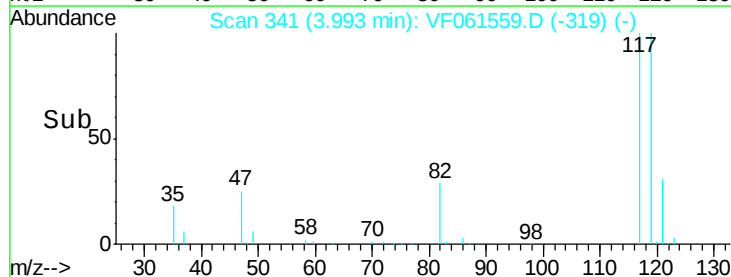
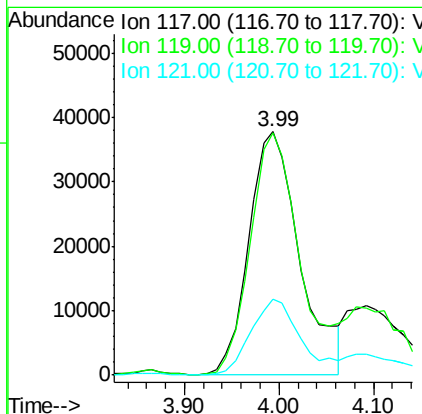
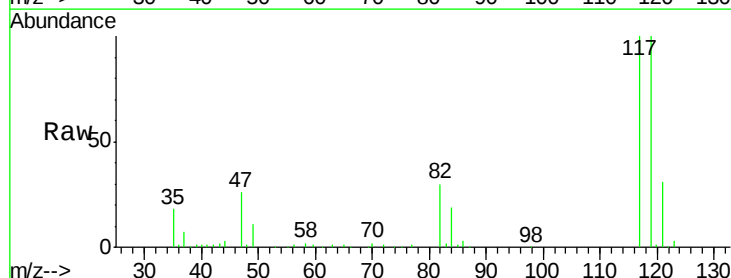
RT: 3.99 min Scan# 341

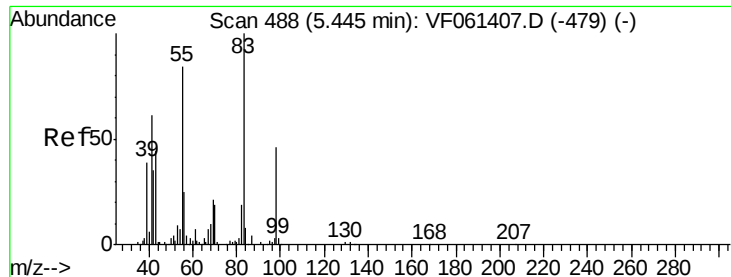
Delta R.T. 0.02 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Tgt Ion:	117	Resp:	140602
Ion	Ratio	Lower	Upper
117	100		
119	99.6	79.0	118.6
121	31.2	27.0	40.6





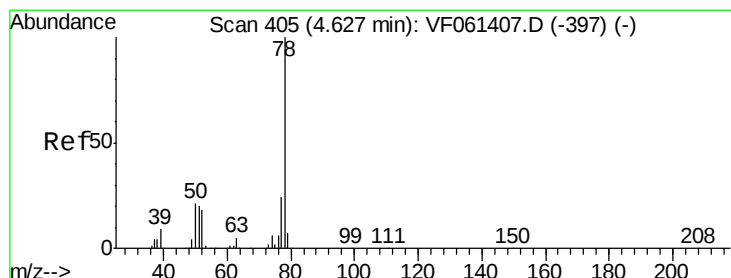
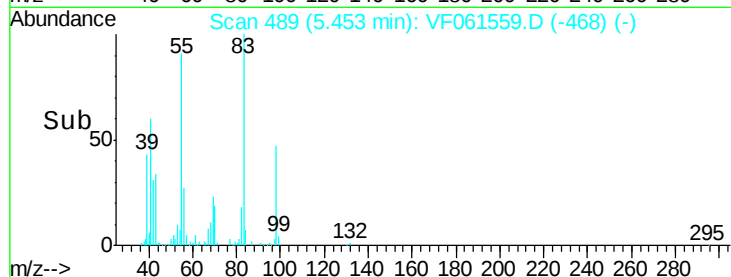
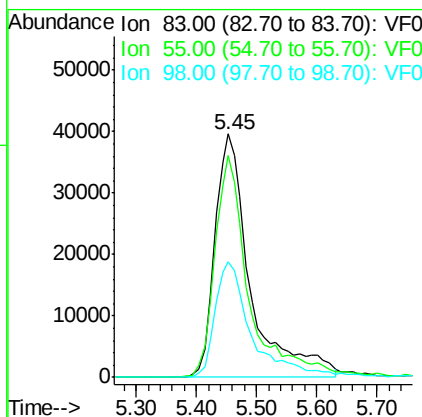
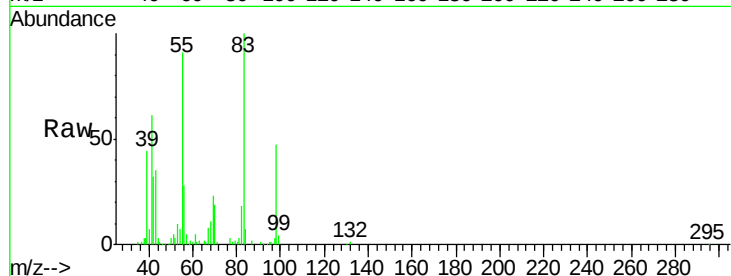
#39
Methvlcvclohexane
Concen: 44.243 ug/l m
RT: 5.45 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	163296
Ion Ratio	Lower	Upper	
83	100		
55	91.3	67.4	101.2
98	47.3	36.7	55.1

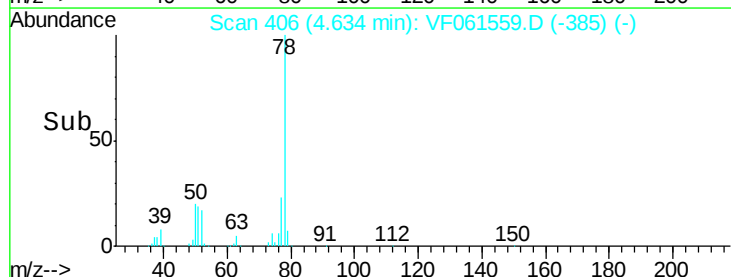
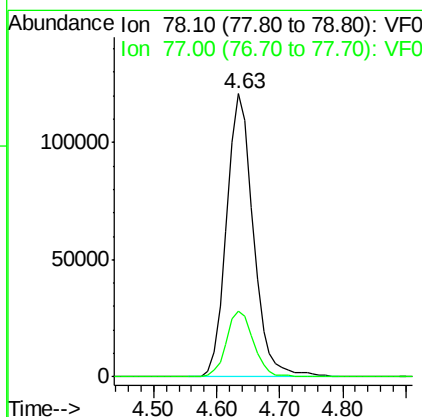
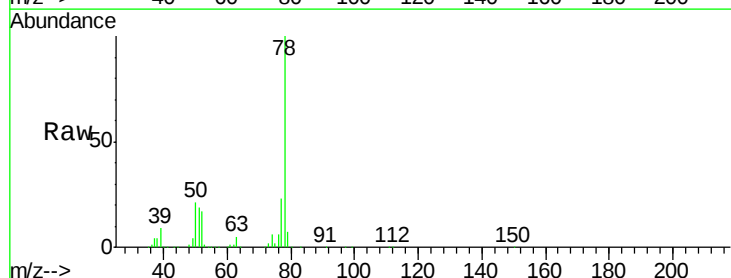
Manual Integrations
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2/12/2019 2:32:04 AM



#40
Benzene
Concen: 47.031 ug/l
RT: 4.63 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Tgt Ion	78	Resp	356418
Ion Ratio	Lower	Upper	
78	100		
77	23.2	19.0	28.6





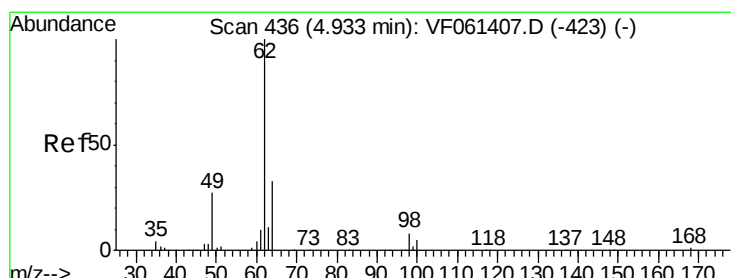
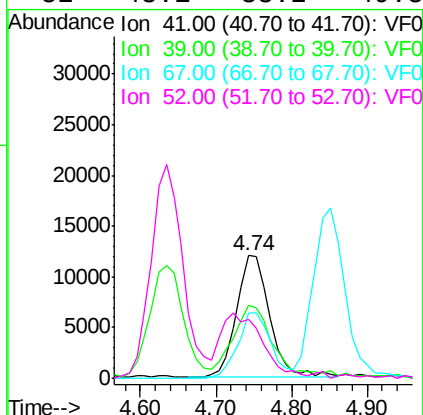
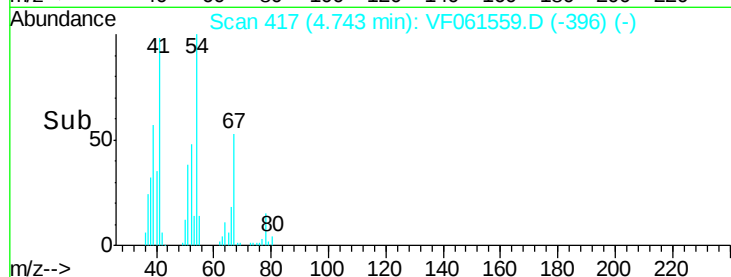
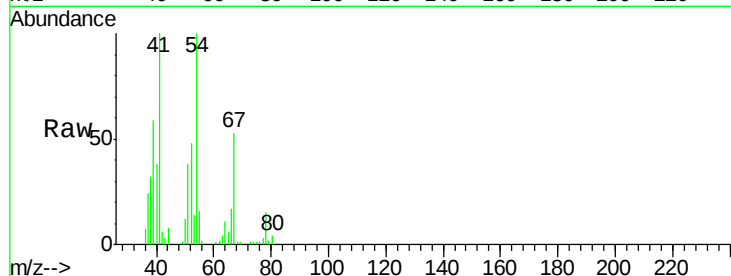
#41
Methacrylonitrile
Concen: 50.209 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.01 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
36372	41	100		
	39	59.2	43.1	64.7
	67	53.0	38.8	58.2
	52	48.1	33.2	49.8

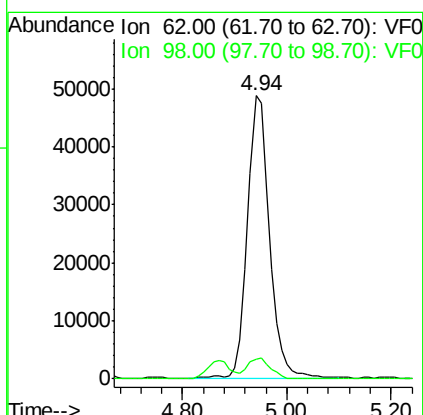
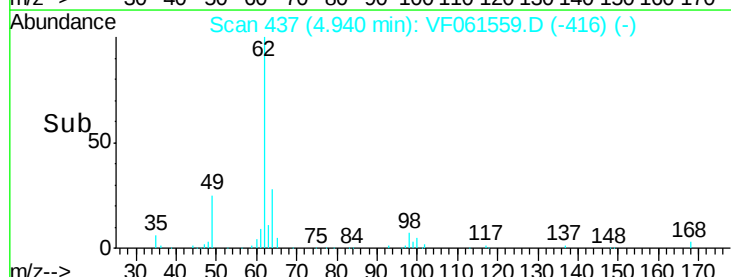
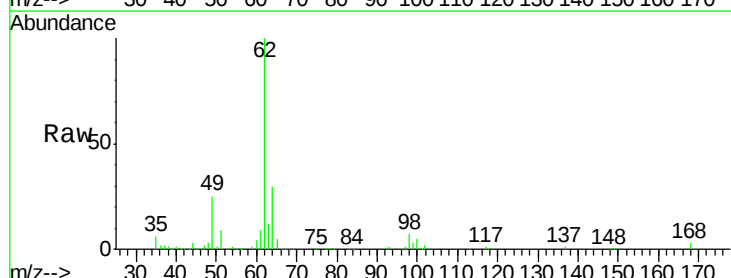
Manual Integrations
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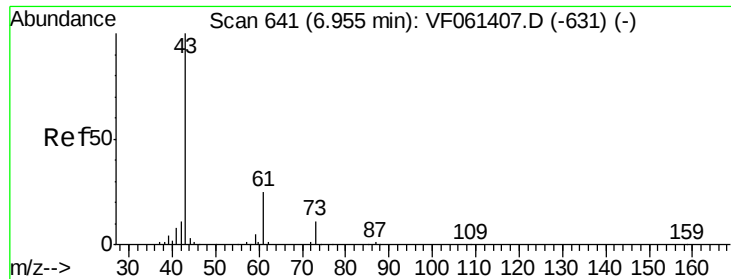
MMDadoda
2/12/2019 2:32:04 AM



#42
1,2-Dichloroethane
Concen: 51.788 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Tgt Ion	Ion	Ratio	Lower	Upper
139854	62	100		
	98	6.8	0.0	17.0





#43

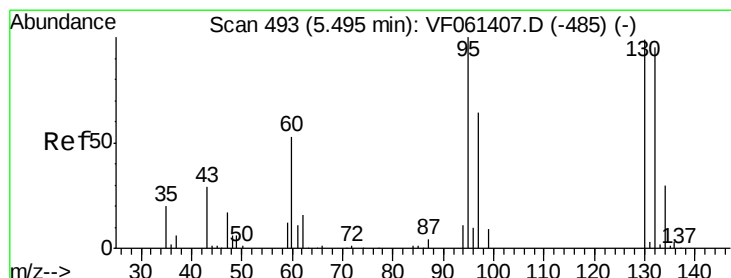
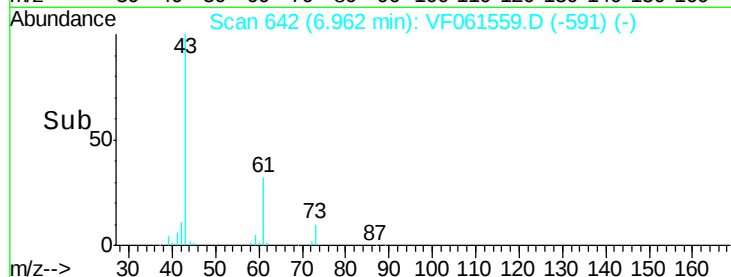
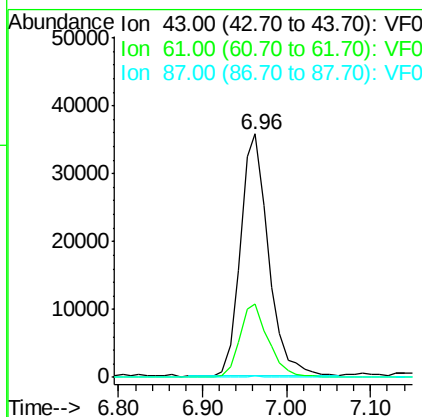
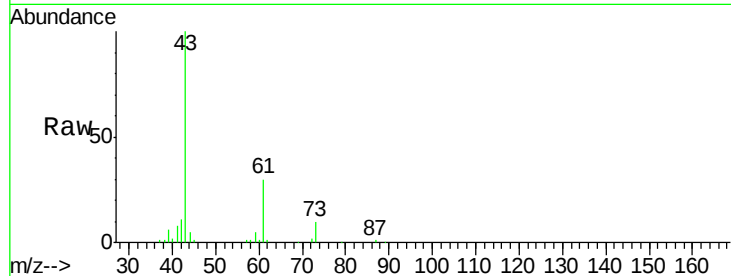
Isopropyl Acetate
 Concen: 48.713 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. 0.01 min
 Lab File: VF061559.D
 Acq: 8 Feb 2019 15:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.2	20.3	30.5
87	0.8	0.5	0.7

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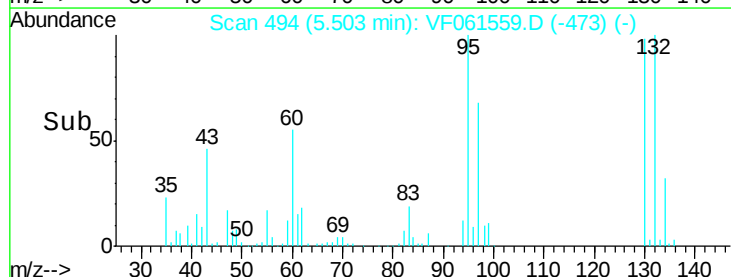
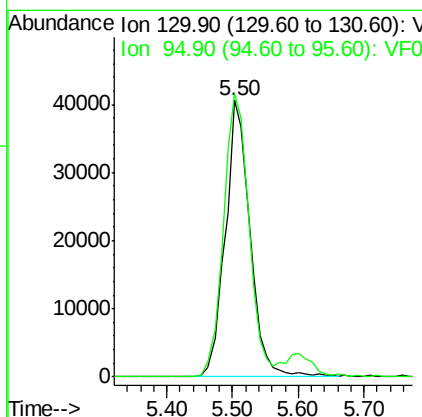
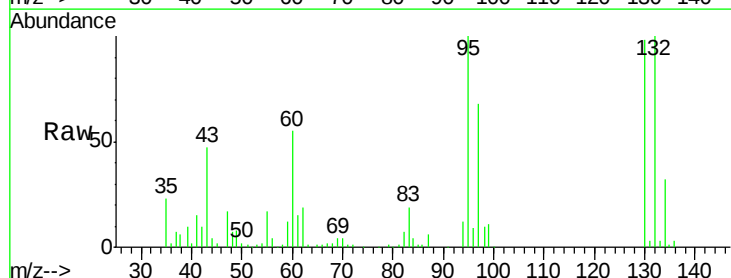
MMDadoda
 2/12/2019 2:32:04 AM

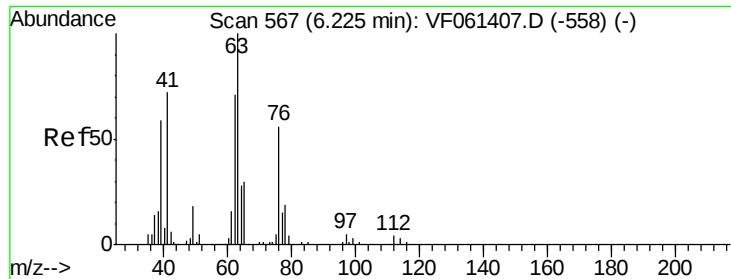


#44

Trichloroethene
 Concen: 46.186 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VF061559.D
 Acq: 8 Feb 2019 15:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	202.8





#45

1,2-Dichloropropane

Concen: 48.268 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.02 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 96005

Ion Ratio Lower Upper

63 100

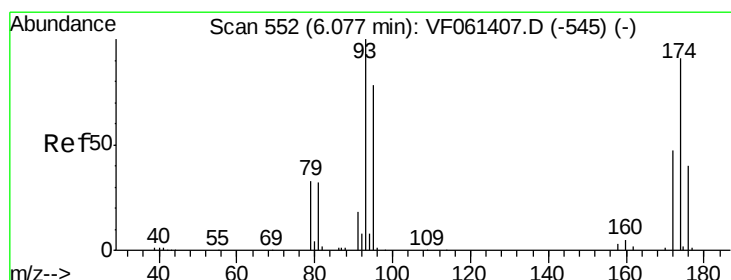
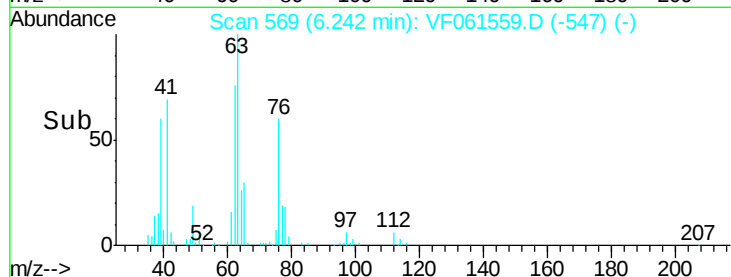
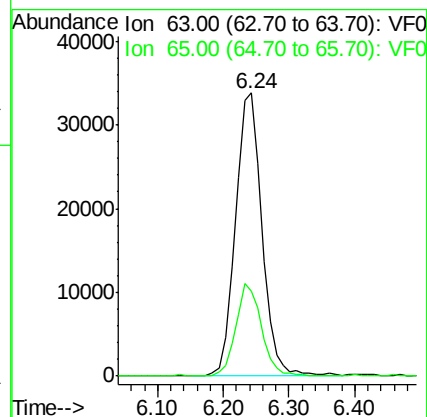
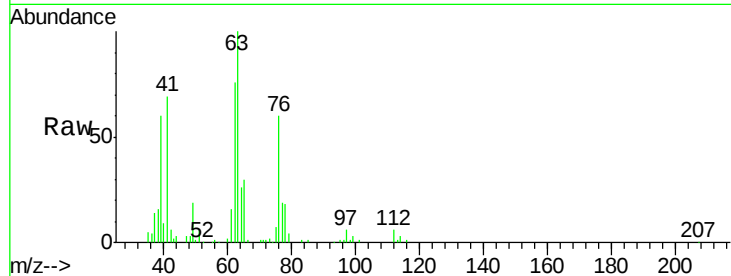
65 30.2 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 49.902 ug/l

RT: 6.09 min Scan# 554

Delta R.T. 0.02 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

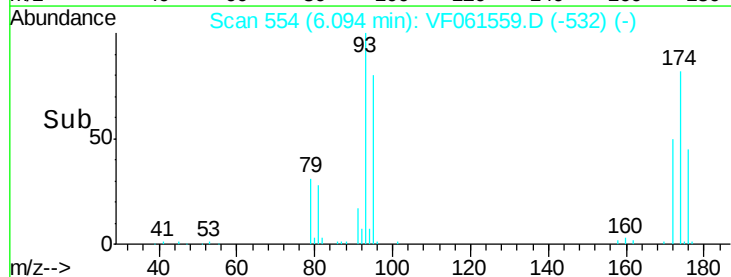
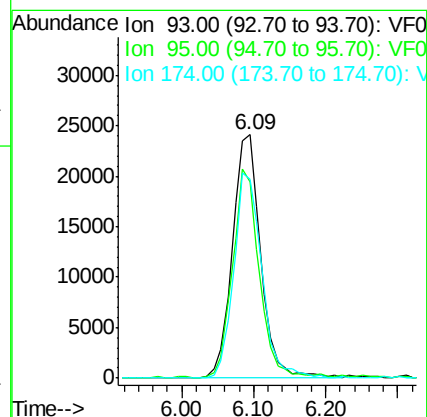
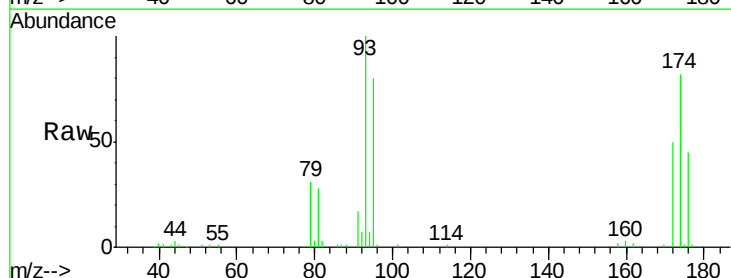
Tgt Ion: 93 Resp: 65998

Ion Ratio Lower Upper

93 100

95 80.4 62.1 93.1

174 81.8 74.6 111.8





#47

Bromodichloromethane

Concen: 50.876 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.02 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

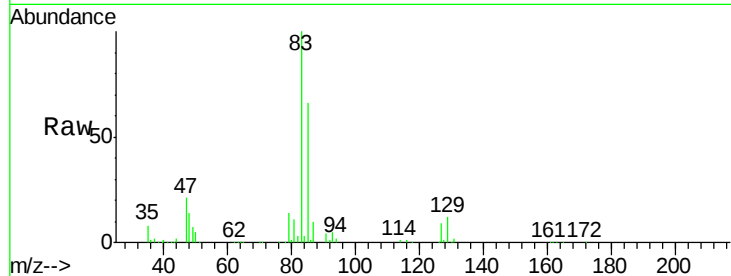
ClientSampleId :

VSTDCCC050

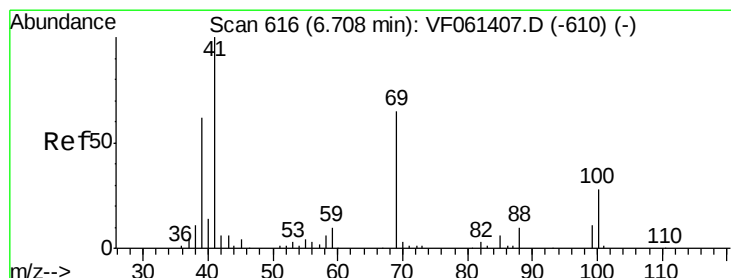
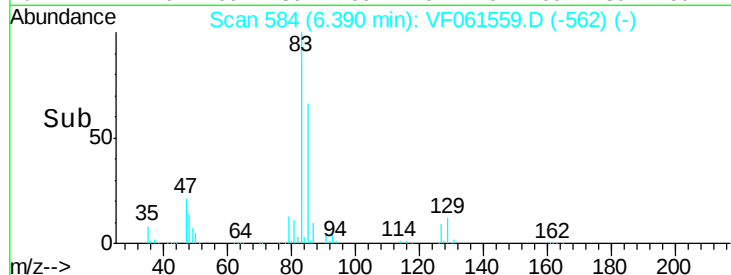
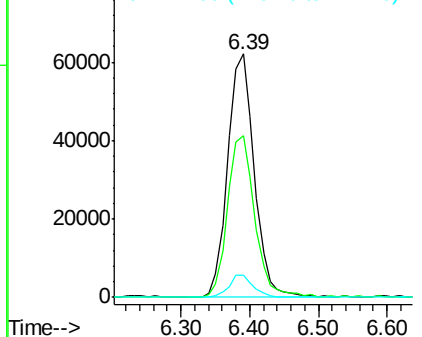
Tot Ion:	83	Resp:	166480
Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.0	79.4
127	9.2	6.9	10.3

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 48.760 ug/l

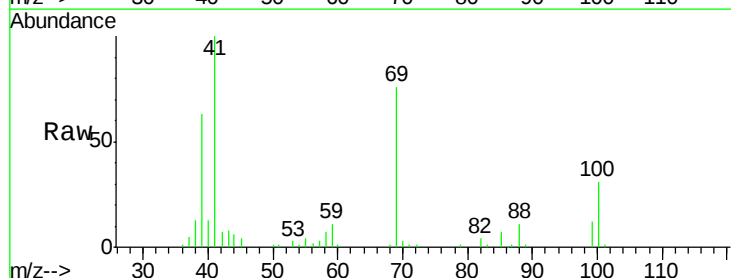
RT: 6.72 min Scan# 617

Delta R.T. 0.01 min

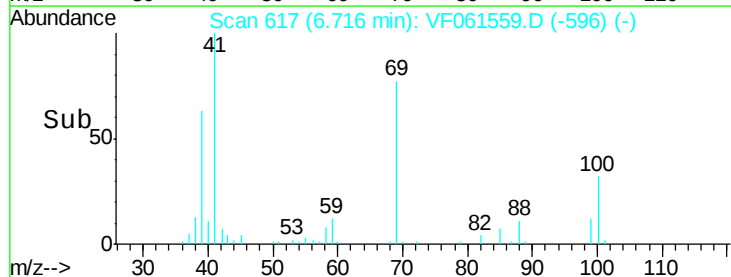
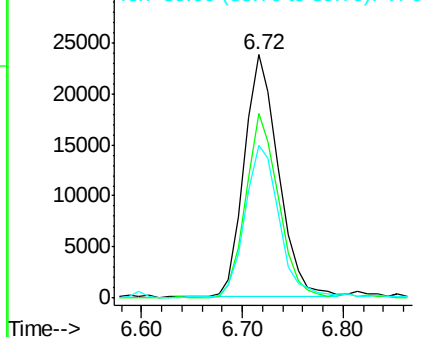
Lab File: VF061559.D

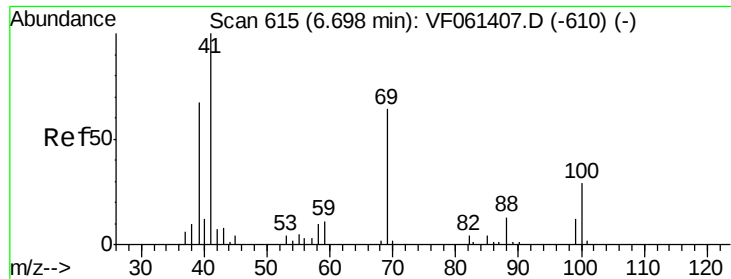
Acq: 8 Feb 2019 15:29

Tgt Ion:	41	Resp:	55946
Ion	Ratio	Lower	Upper
41	100		
69	75.9	51.7	77.5
39	62.8	49.2	73.8



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1140.202 ug/l

RT: 6.71 min Scan# 616

Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

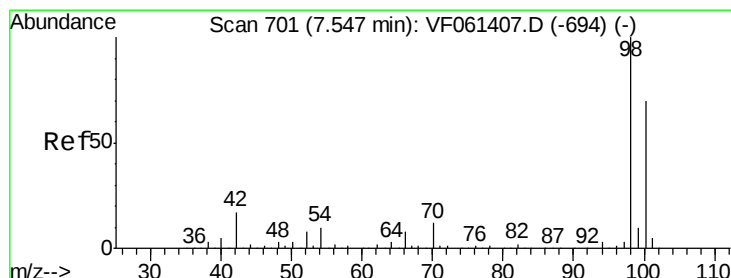
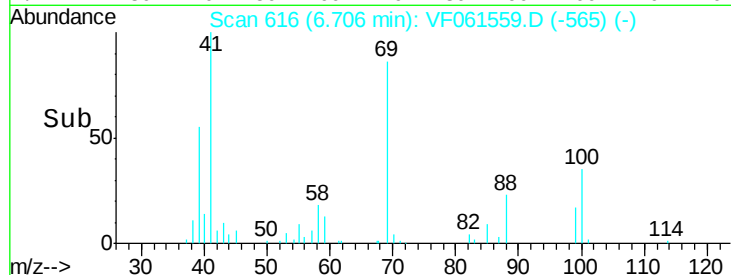
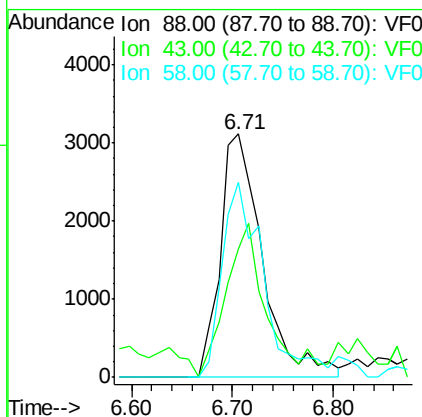
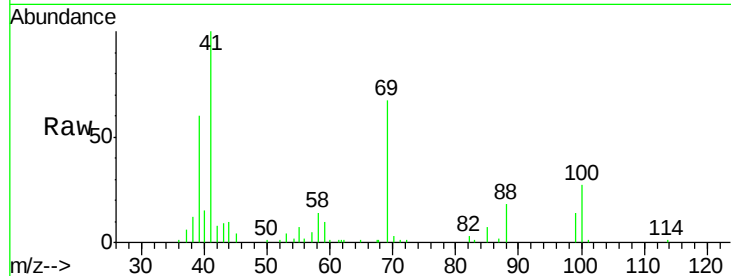
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	9054		
43	52.9		55.5	83.3#
58	80.1		59.9	89.9

Manual Integrations
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#50

Toluene-d8

Concen: 44.714 ug/l

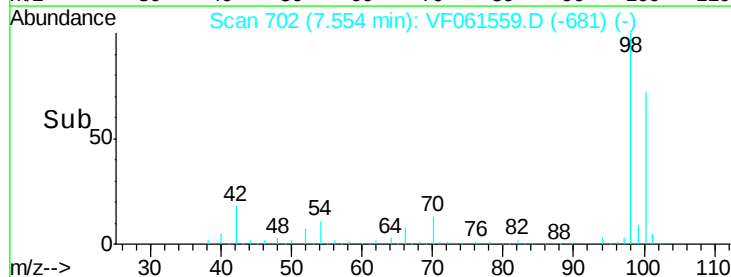
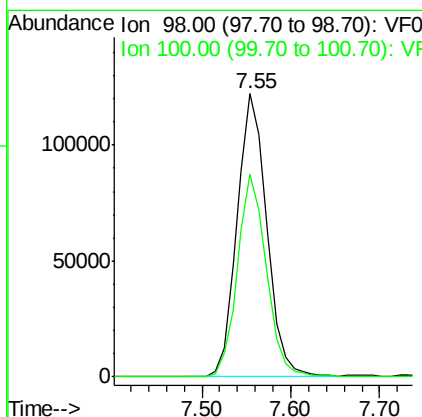
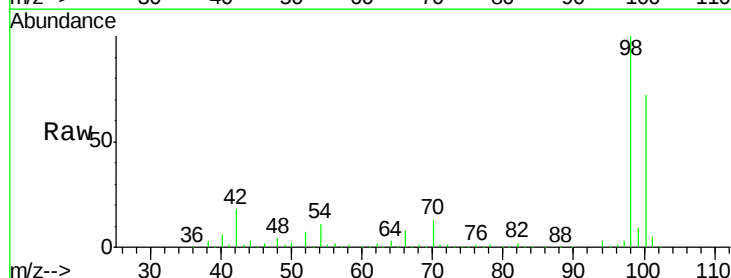
RT: 7.55 min Scan# 702

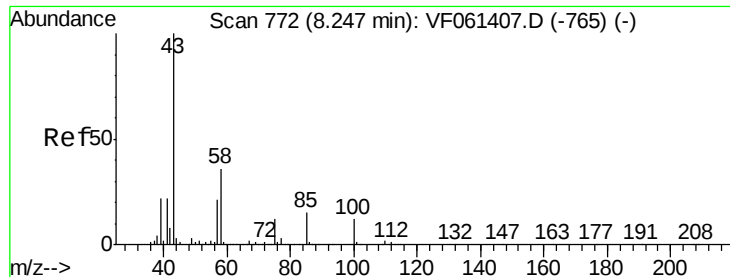
Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	283960		
100	71.7		55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 252.377 ug/l

RT: 8.25 min Scan# 773

Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 317017

Ion Ratio Lower Upper

43 100

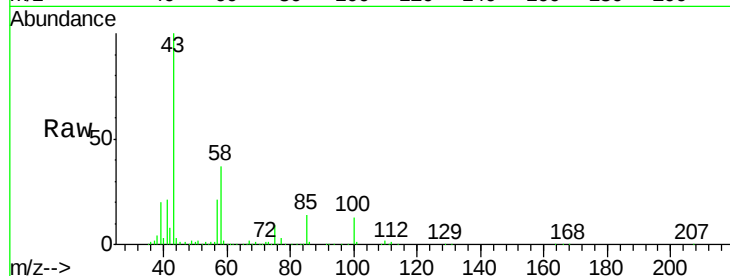
58 37.0 28.8 43.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.25

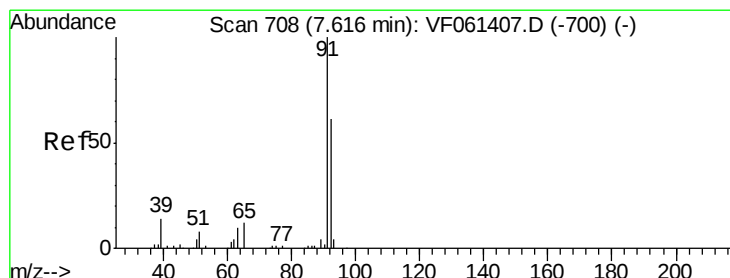
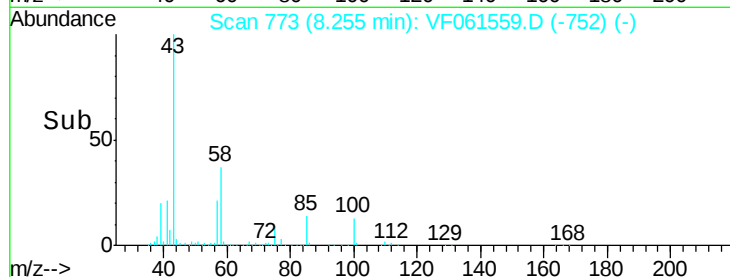
150000

100000

50000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 45.286 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.01 min

Lab File: VF061559.D

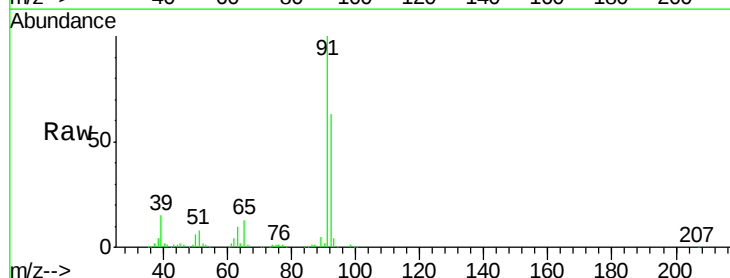
Acq: 8 Feb 2019 15:29

Tgt Ion: 92 Resp: 226007

Ion Ratio Lower Upper

92 100

91 158.6 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.62

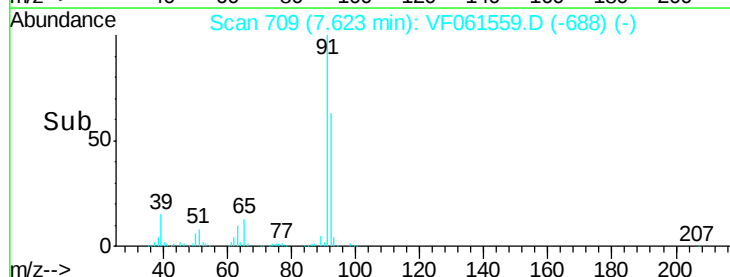
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80





#53

t-1,3-Dichloropropene

Concen: 50.282 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 130651

Ion Ratio Lower Upper

75 100

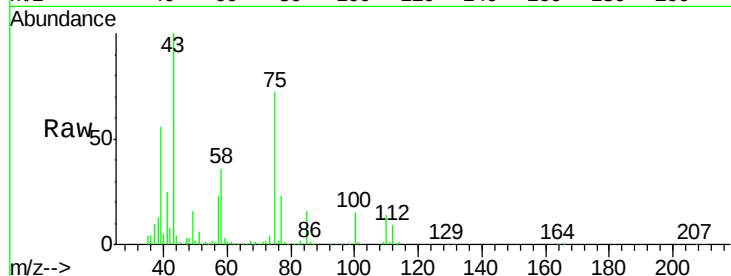
77 31.9 24.4 36.6

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

60000

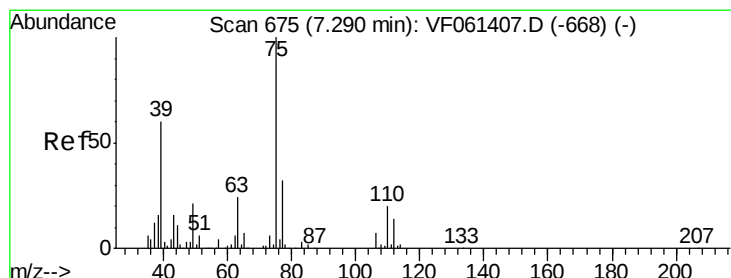
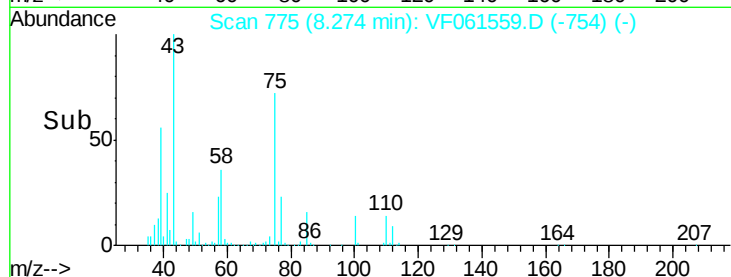
40000

20000

0

8.20 8.30 8.40

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.675 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

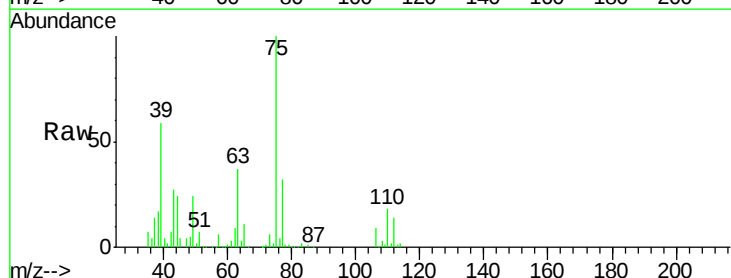
Tgt Ion: 75 Resp: 167835

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0

39 58.7 47.8 71.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

80000

60000

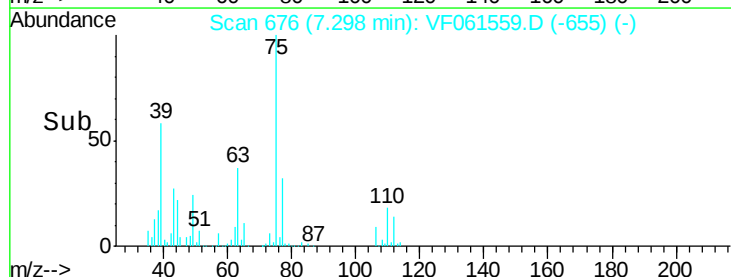
40000

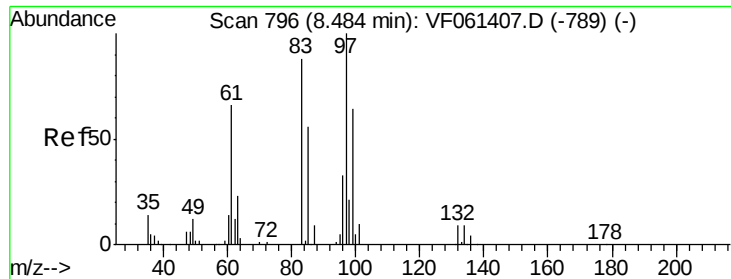
20000

0

7.20 7.30 7.40

Time-->





#55

1,1,2-Trichloroethane

Concen: 53.640 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

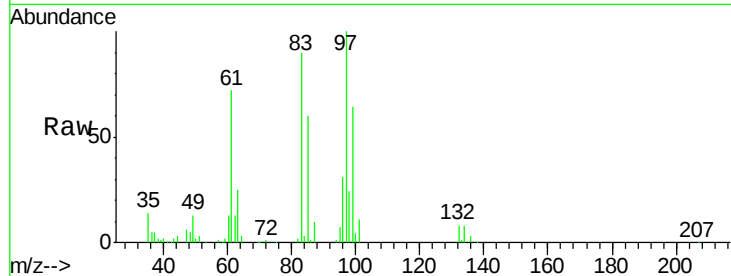
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	76018
Ion	Ratio	Lower	Upper
97	100		
83	90.3	70.4	105.6
85	60.4	44.7	67.1
99	63.9	50.8	76.2

Manual Integrations
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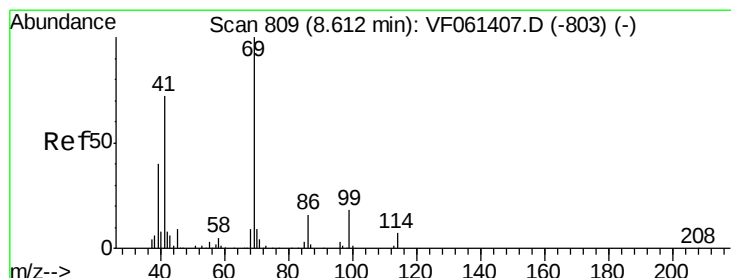
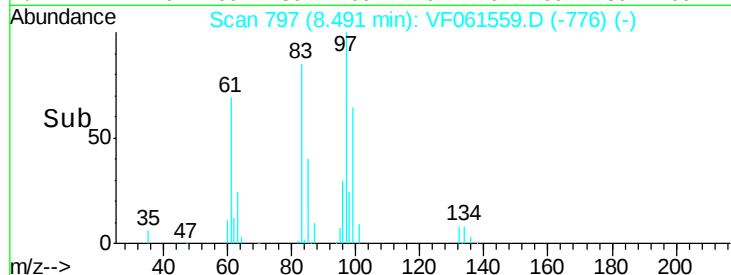
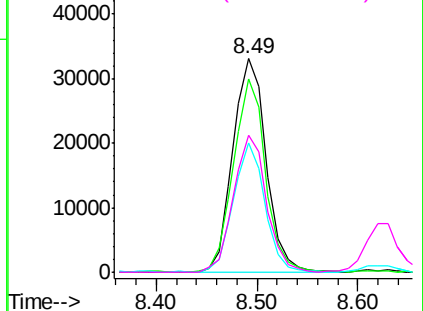


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 50.726 ug/l

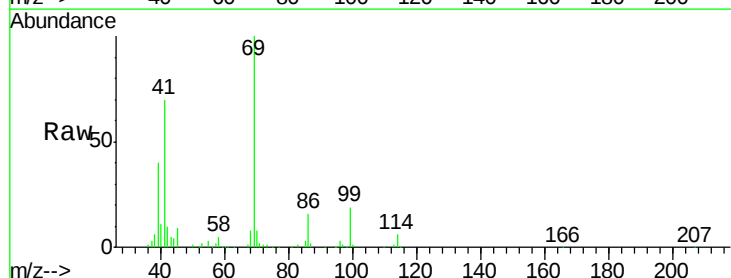
RT: 8.62 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

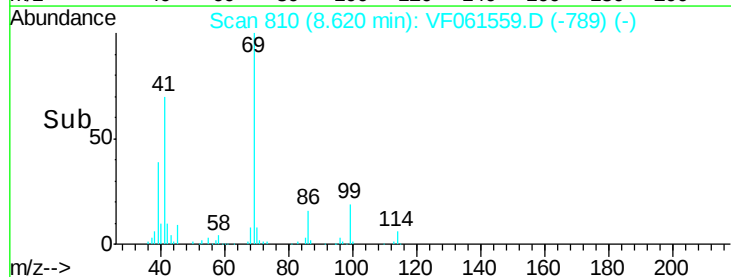
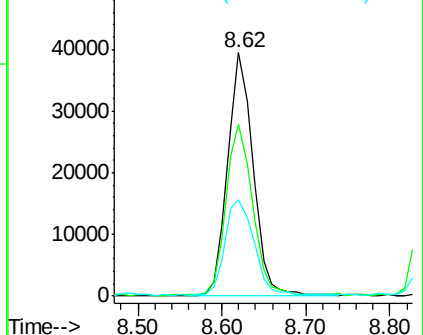
Tgt Ion:	69	Resp:	83637
Ion	Ratio	Lower	Upper
69	100		
41	70.4	57.5	86.3
39	39.7	32.0	48.0

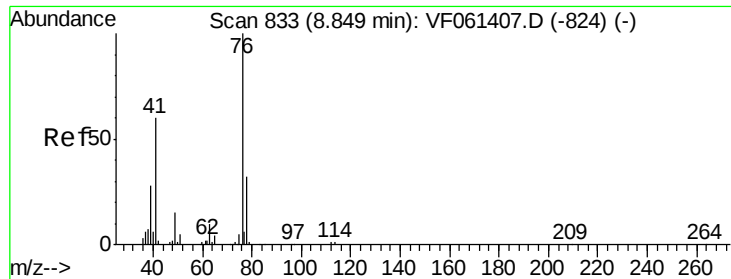


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 48.898 ug/l

RT: 8.86 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 129892

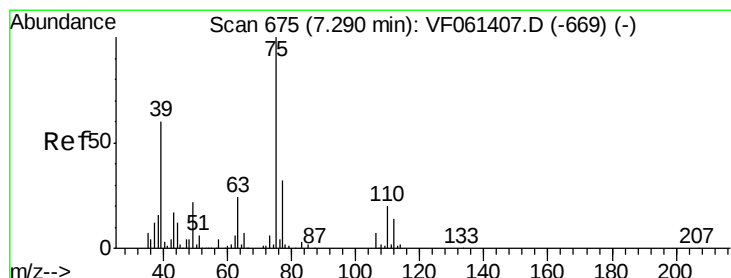
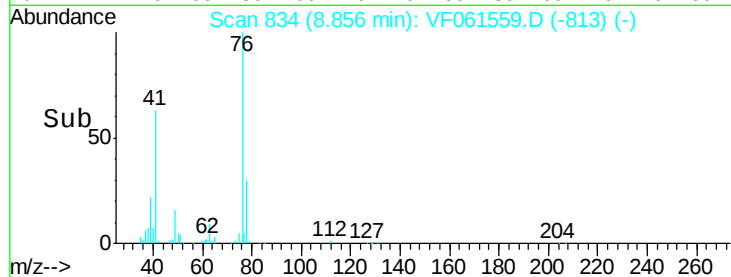
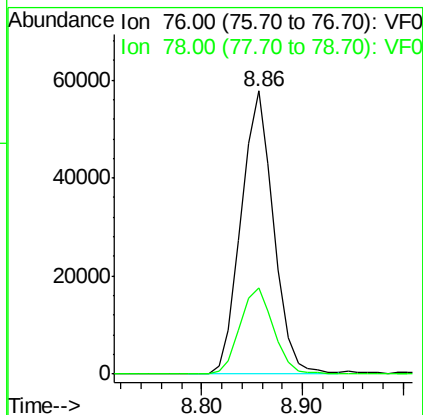
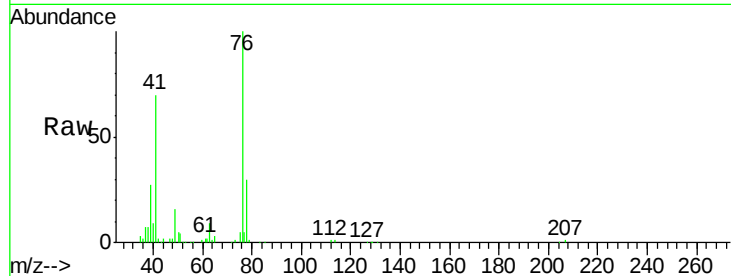
Ion Ratio Lower Upper

76 100

78 30.3 25.3 37.9

Manual Integrations
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2/12/2019 2:32:04 AM



#58

2-Chloroethyl Vinyl ether

Concen: 332.706 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061559.D

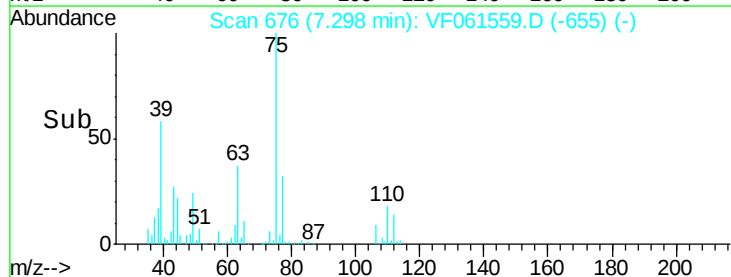
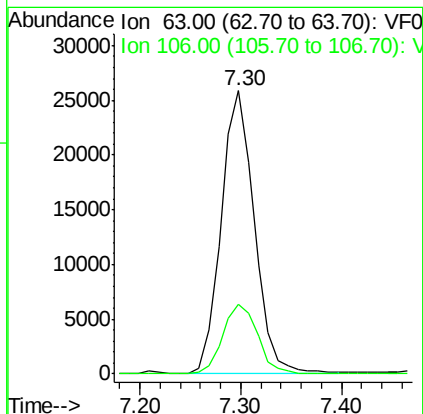
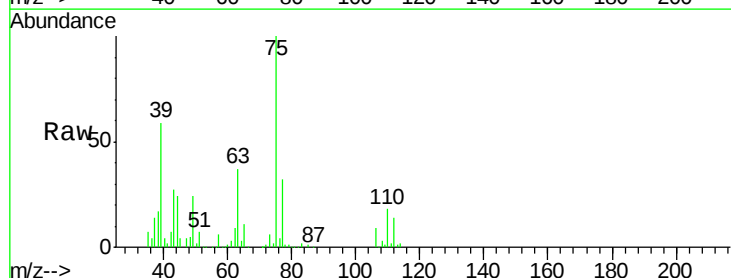
Acq: 8 Feb 2019 15:29

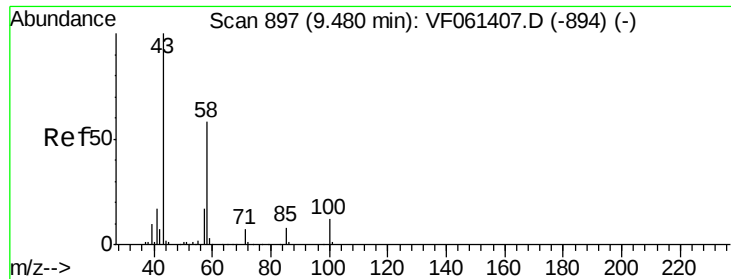
Tgt Ion: 63 Resp: 59293

Ion Ratio Lower Upper

63 100

106 24.7 21.9 32.9





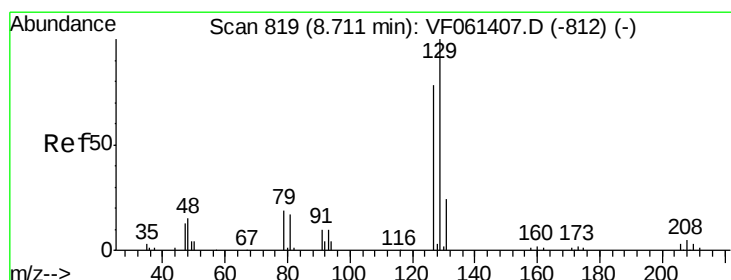
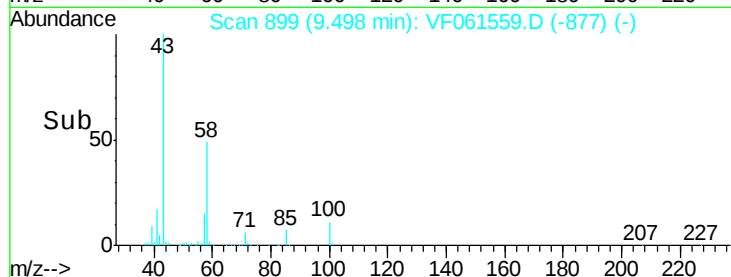
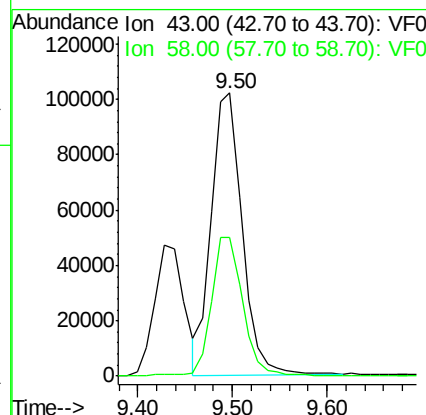
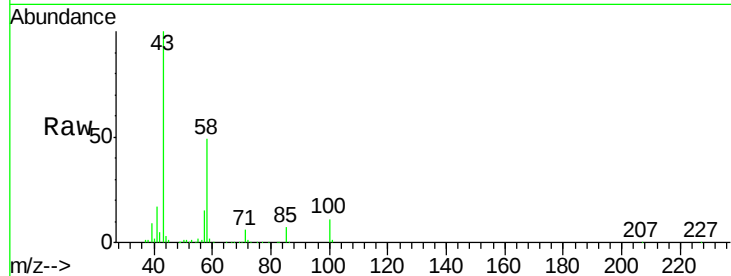
#59
2-Hexanone
Concen: 266.854 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.02 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 233743
Ion Ratio Lower Upper
43 100
58 49.1 25.9 77.6

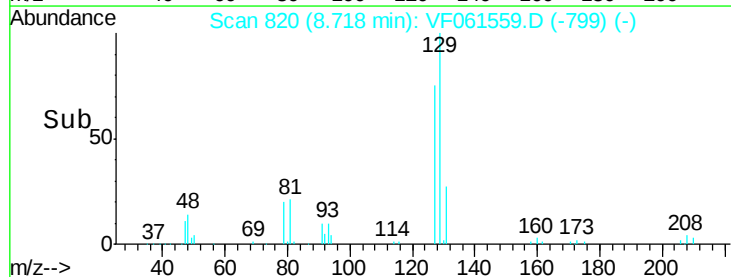
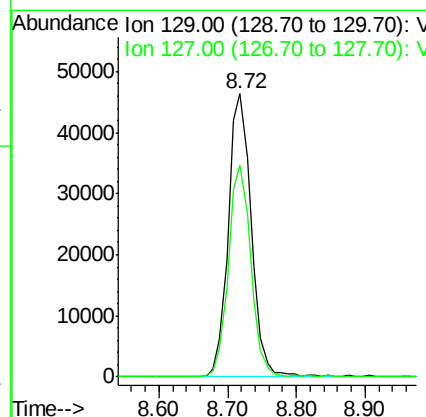
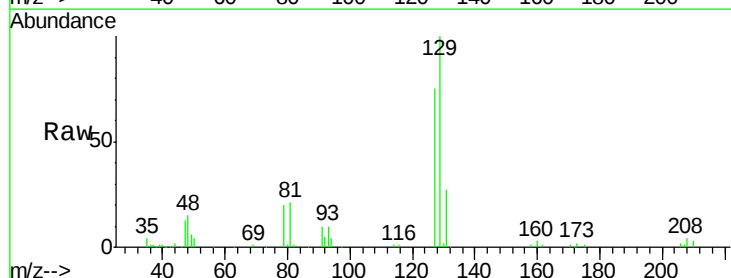
Manual Integrations
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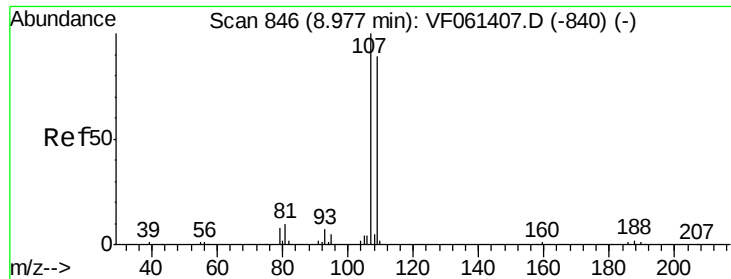
MMDadoda
2/12/2019 2:32:04 AM



#60
Dibromochloromethane
Concen: 51.924 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.01 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Tgt Ion: 129 Resp: 107580
Ion Ratio Lower Upper
129 100
127 74.7 39.1 117.2





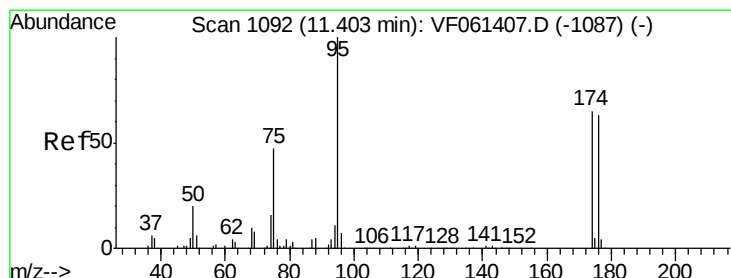
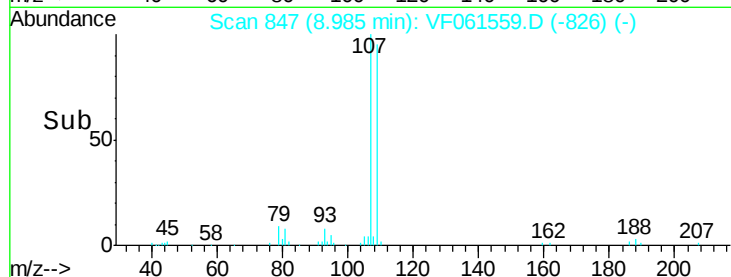
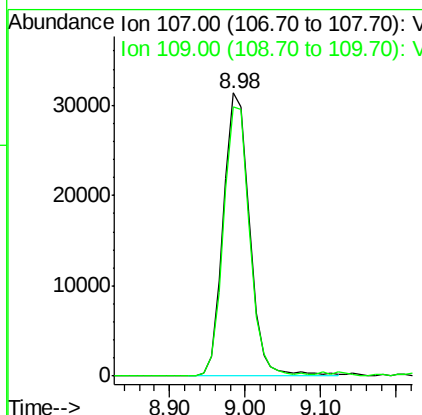
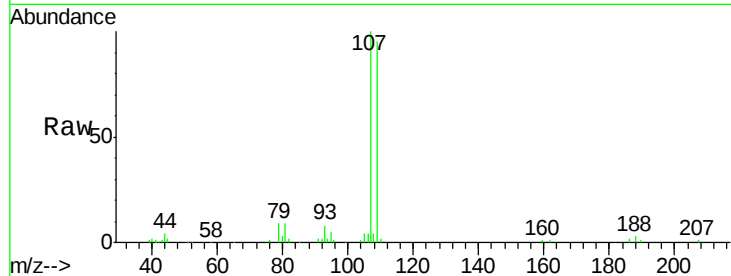
#61
1,2-Dibromoethane
Concen: 46.717 ug/l
RT: 8.98 min Scan# 847
Delta R.T. 0.01 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 107 Resp: 75793
Ion Ratio Lower Upper
107 100
109 95.3 70.8 106.2

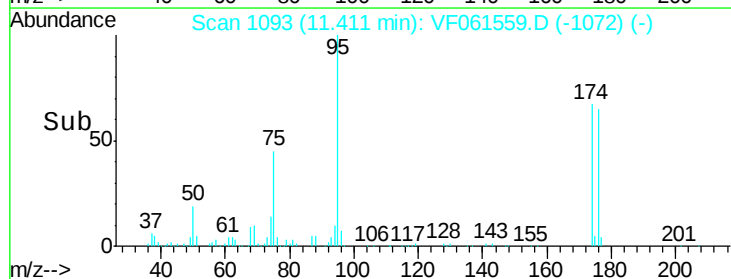
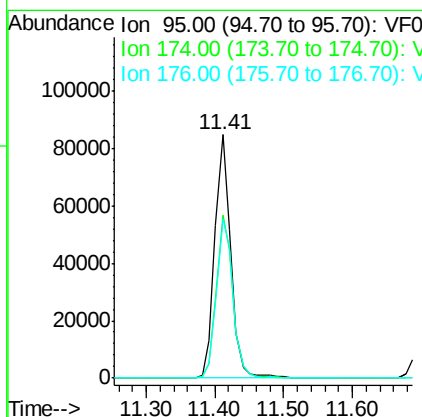
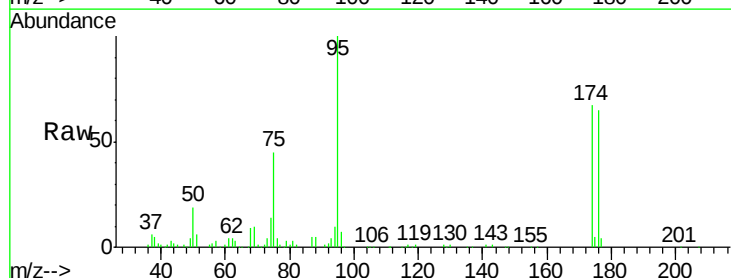
Manual Integrations
APPROVED

MMDadoda
2/12/2019 2:32:04 AM



#62
4-Bromofluorobenzene
Concen: 45.960 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Tgt Ion: 95 Resp: 136369
Ion Ratio Lower Upper
95 100
174 66.7 0.0 130.4
176 65.4 0.0 126.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

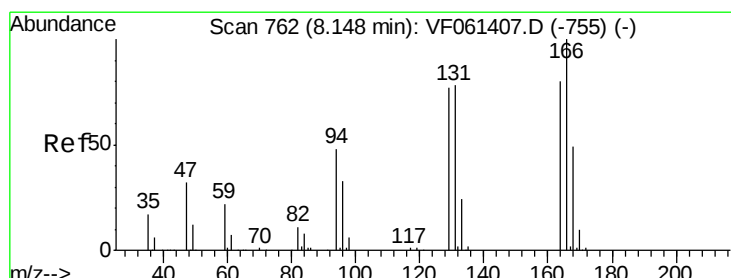
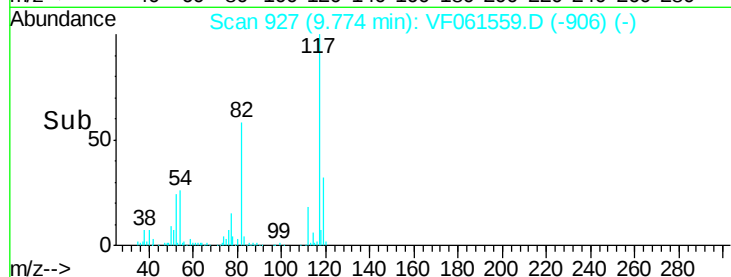
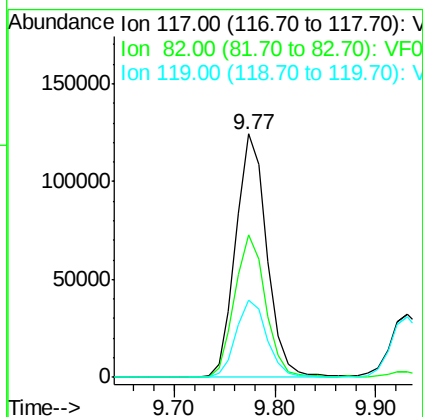
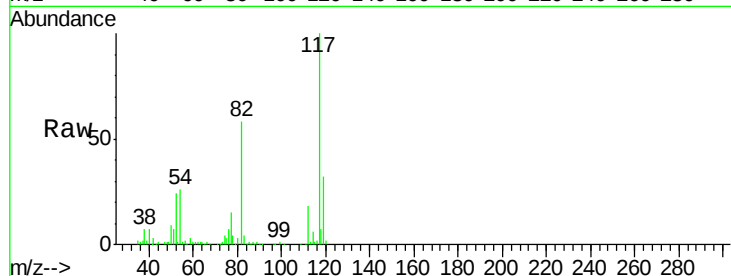
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	268119
Ion Ratio	Lower	Upper	
117	100		
82	58.3	46.4	69.6
119	31.5	27.2	40.8

Manual Integrations
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MMDadoda
2/12/2019 2:32:04 AM



#64

Tetrachloroethene

Concen: 49.697 ug/l

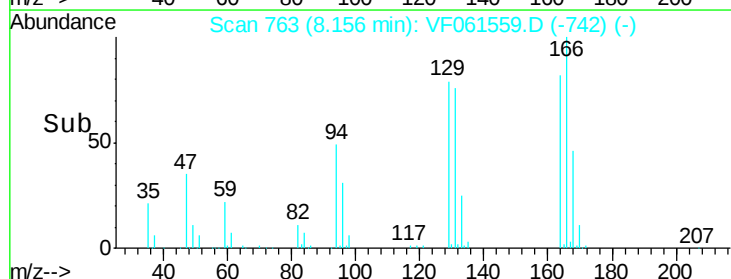
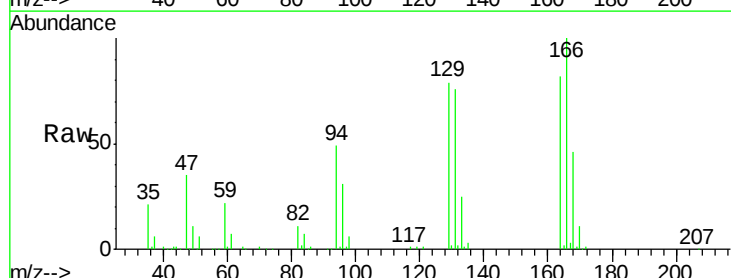
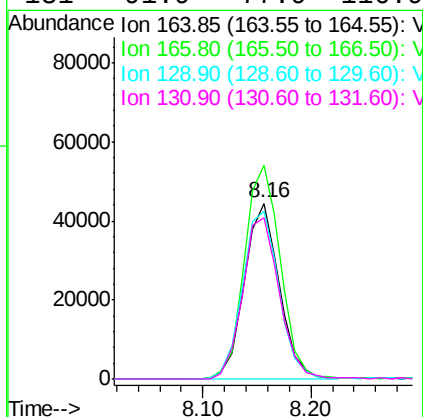
RT: 8.16 min Scan# 763

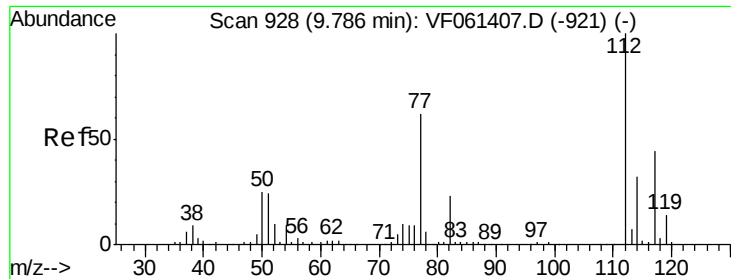
Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Tgt Ion:	164	Resp:	100204
Ion Ratio	Lower	Upper	
164	100		
166	121.4	99.6	149.4
129	95.5	76.4	114.6
131	91.9	77.9	116.9





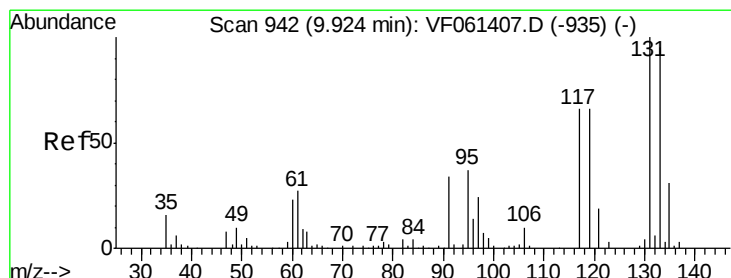
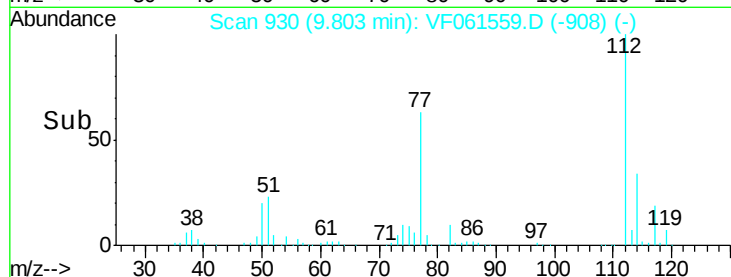
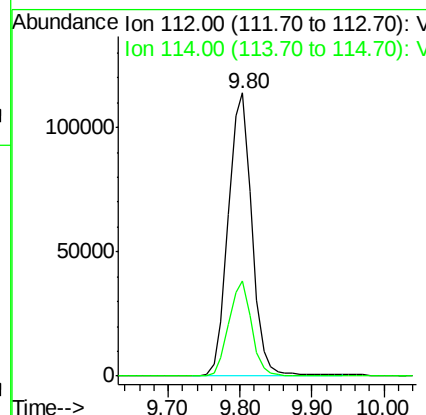
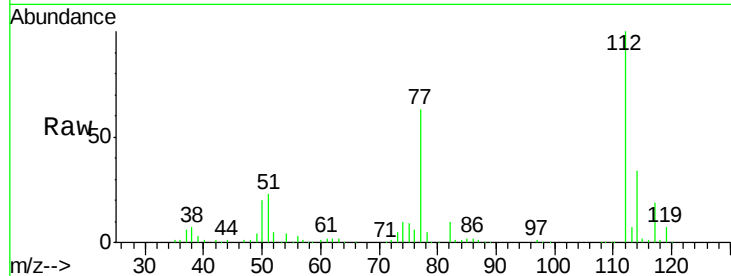
#65
Chlorobenzene
Concen: 47.566 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.02 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 259350
Ion Ratio Lower Upper
112 100
114 33.5 25.4 38.0

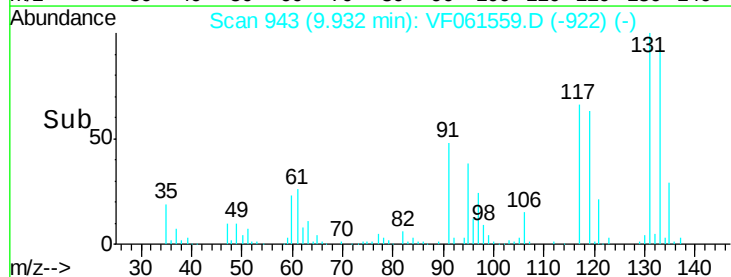
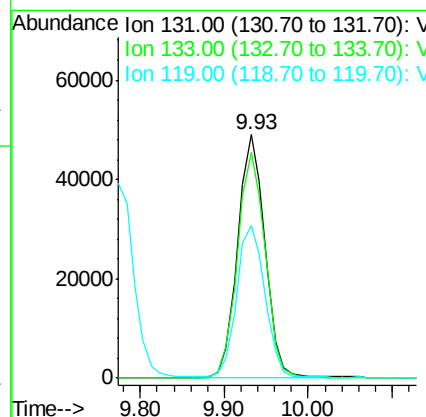
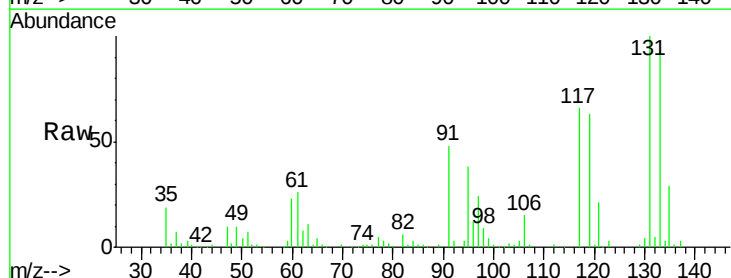
Manual Integrations
APPROVED

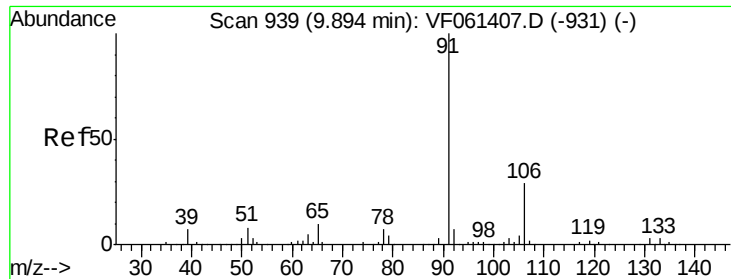
MMDadoda
2/12/2019 2:32:04 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.097 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Tgt Ion:131 Resp: 110984
Ion Ratio Lower Upper
131 100
133 92.9 47.4 142.2
119 62.7 33.1 99.3





#67

Ethyl Benzene

Concen: 47.987 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 478034

Ion Ratio Lower Upper

91 100

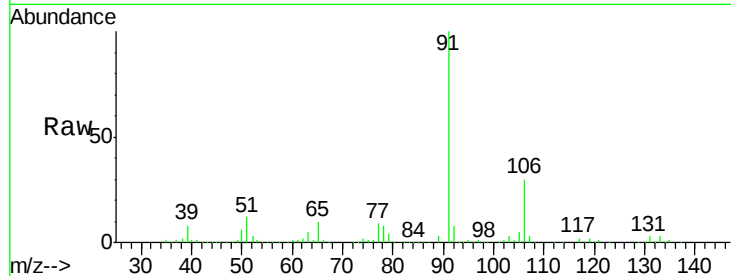
106 29.7 23.1 34.7

Manual Integrations

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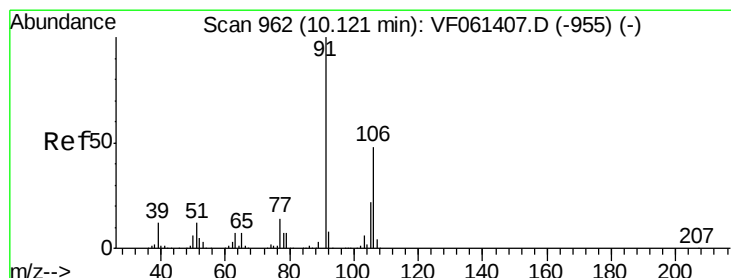
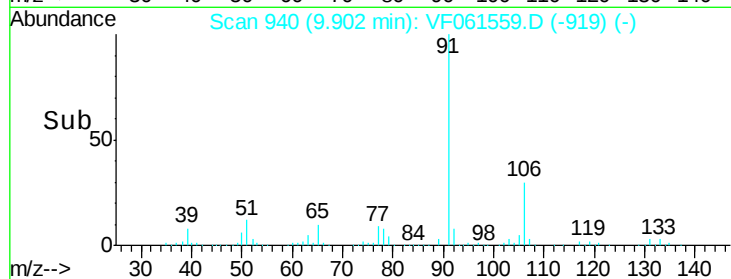
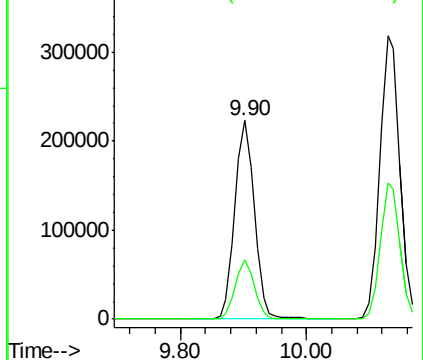
MMDadoda

2/12/2019 2:32:04 AM



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 95.097 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.01 min

Lab File: VF061559.D

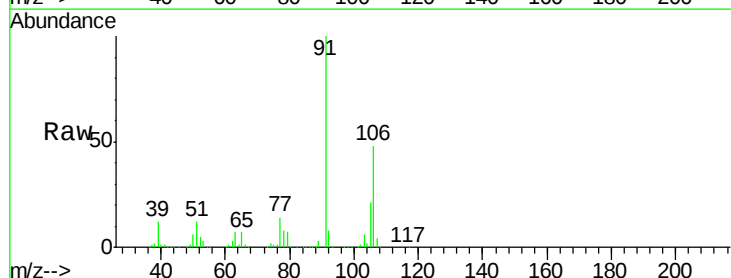
Acq: 8 Feb 2019 15:29

Tgt Ion: 106 Resp: 340725

Ion Ratio Lower Upper

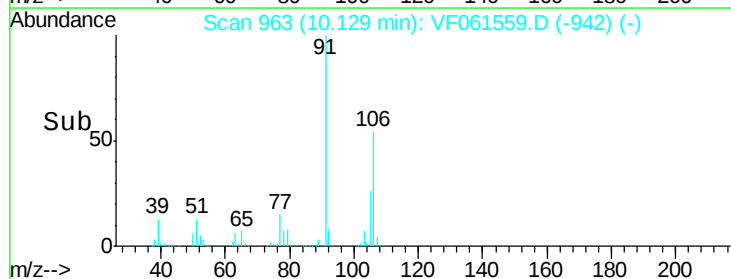
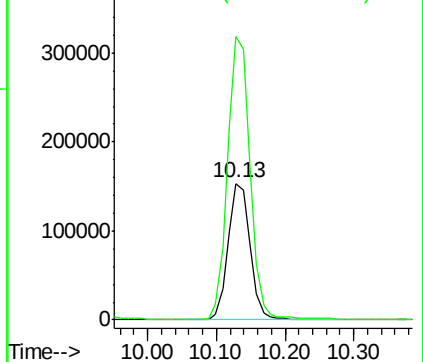
106 100

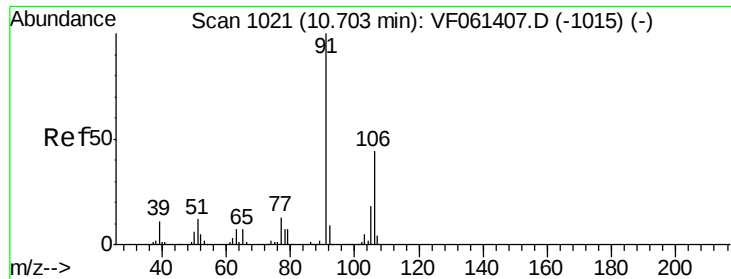
91 207.4 166.2 249.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





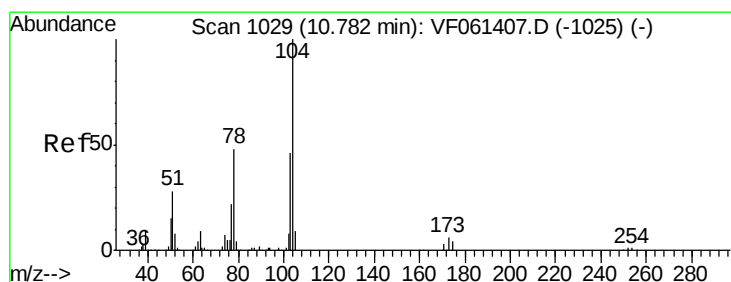
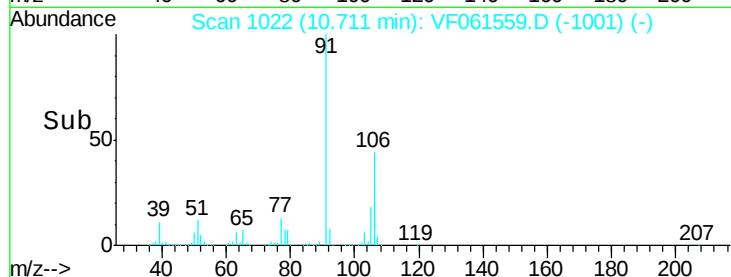
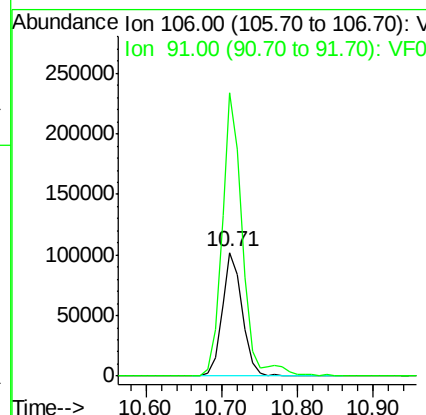
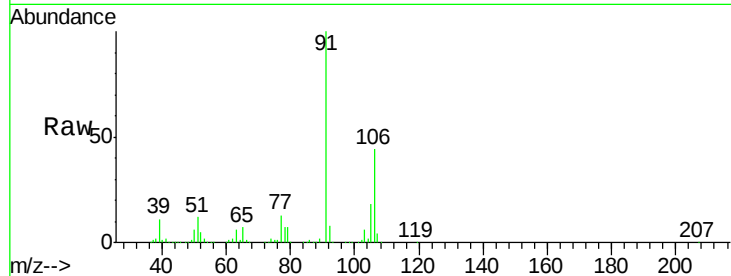
#69
o-Xylene
Concen: 48.988 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Instrument :
MSVOA_F
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	190231		
91	91	228.6	113.3	339.8	

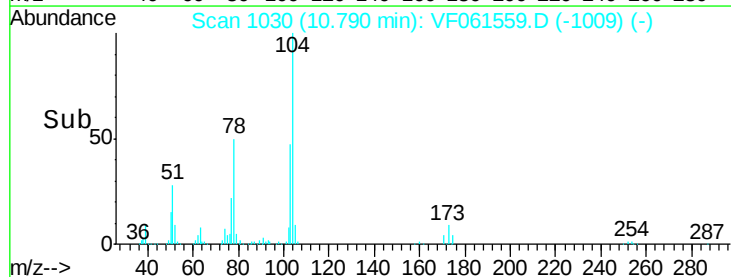
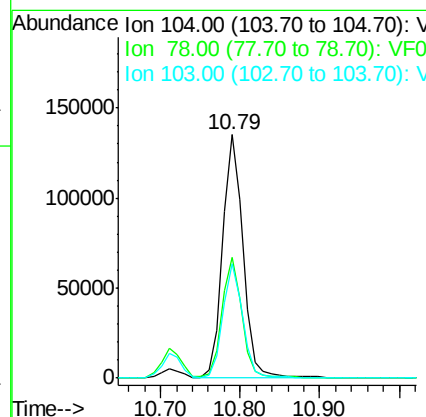
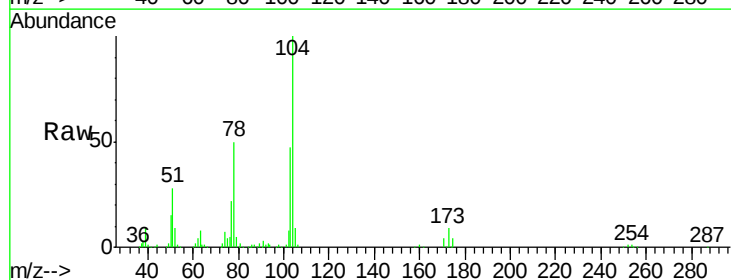
Manual Integrations
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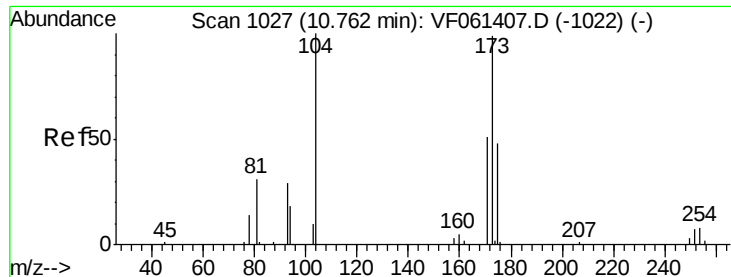
MMDadoda
2/12/2019 2:32:04 AM



#70
Styrene
Concen: 46.073 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	244903		
78	78	49.6	38.8	58.2	
103	103	47.1	37.0	55.6	





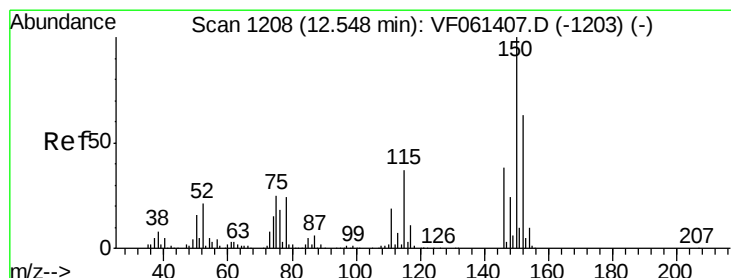
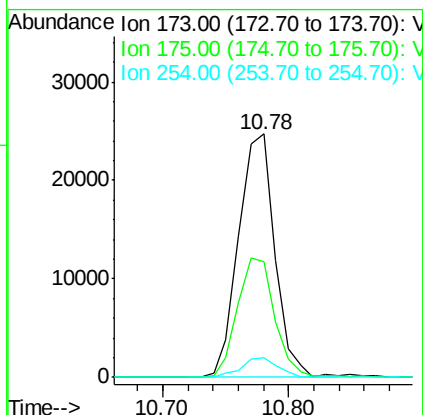
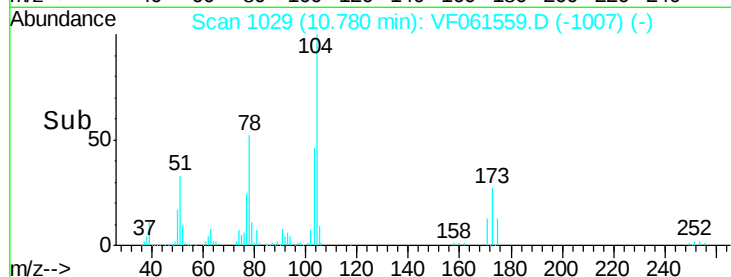
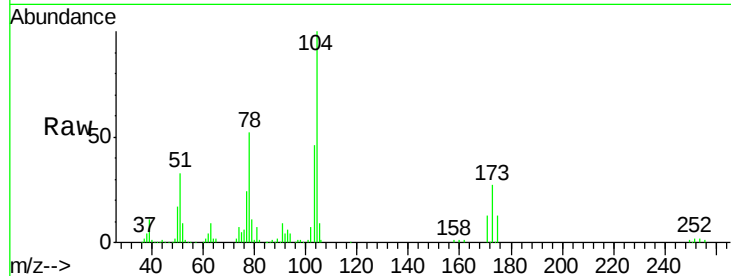
#71
Bromoform
Concen: 50.658 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. 0.02 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.1	72.4
254	8.2	0.0	0.0#

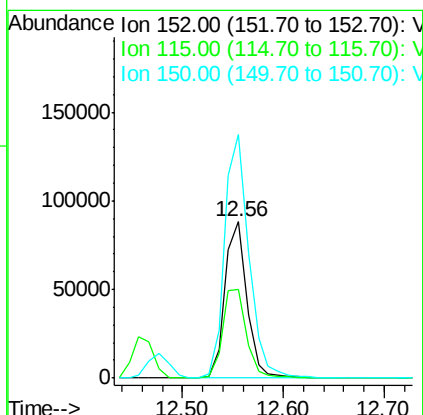
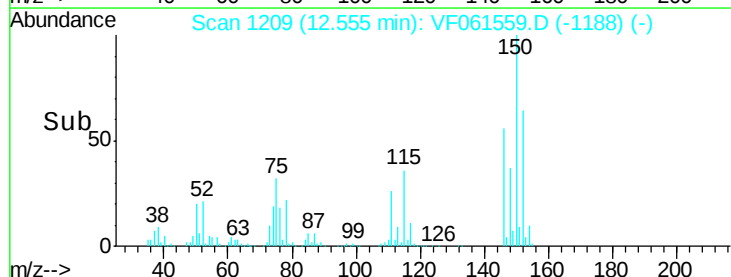
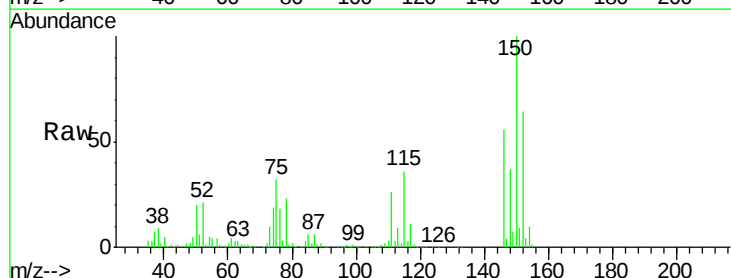
Manual Integrations
APPROVED

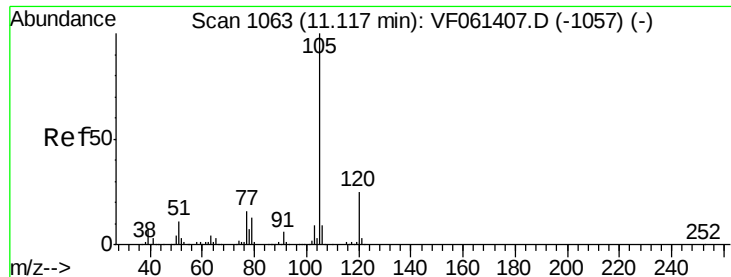
MMDadoda
2/12/2019 2:32:04 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	30.0	90.0
150	155.8	0.0	321.4





#73

Isopropylbenzene

Concen: 50.603 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 554894

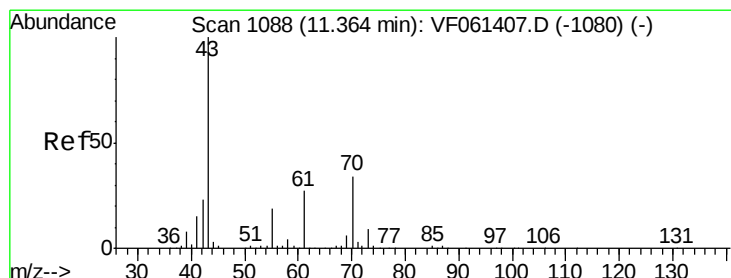
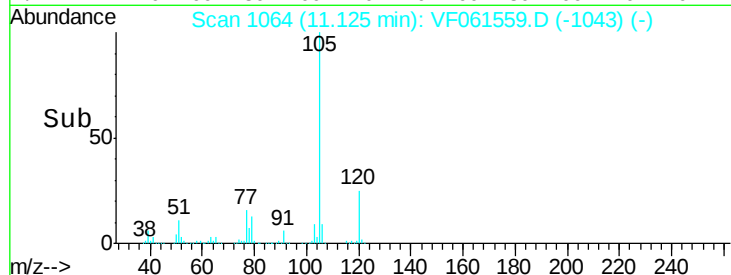
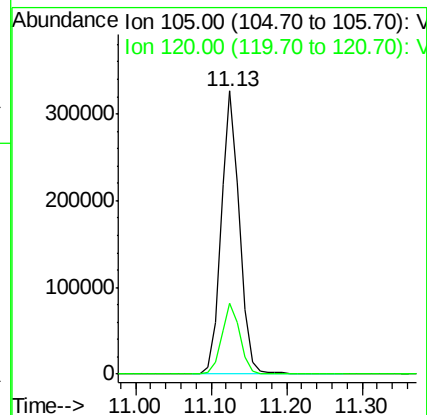
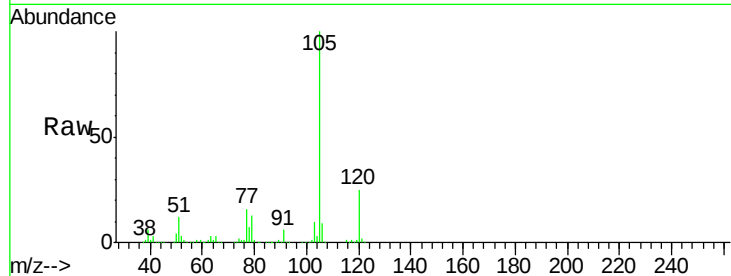
Ion Ratio Lower Upper

105 100

120 24.9 12.6 37.8

Manual Integrations
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MMDadoda
2/12/2019 2:32:04 AM



#74

N-ethyl acetate

Concen: 54.652 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Tgt Ion: 43 Resp: 141712

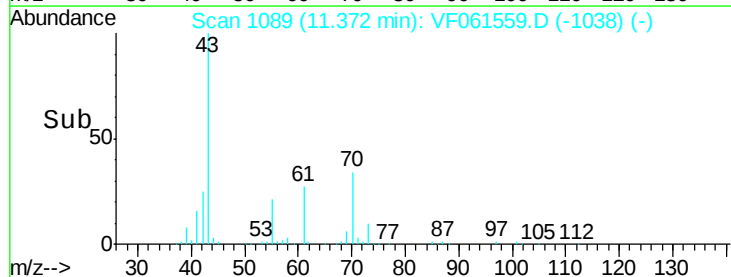
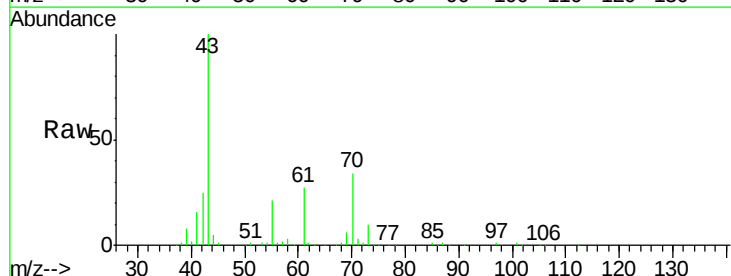
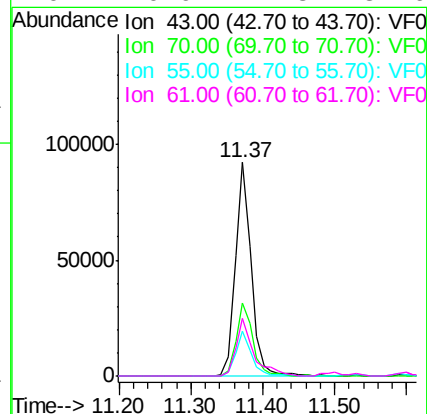
Ion Ratio Lower Upper

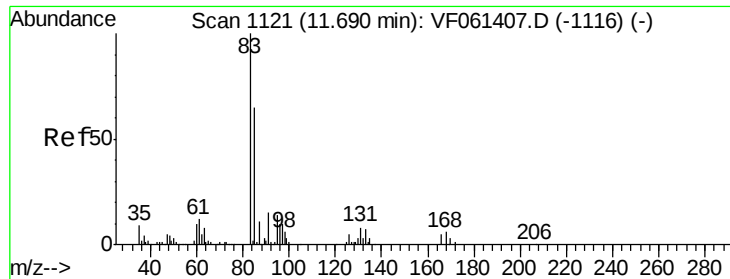
43 100

70 34.3 27.6 41.4

55 20.7 15.4 23.2

61 26.9 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.307 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

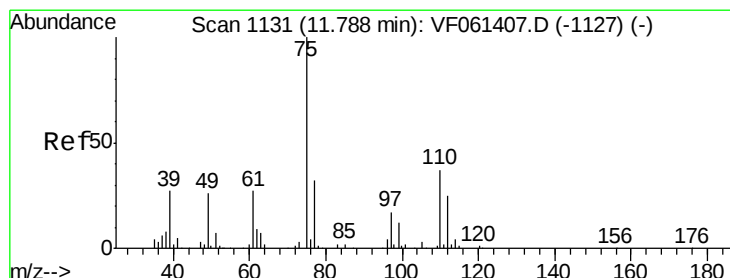
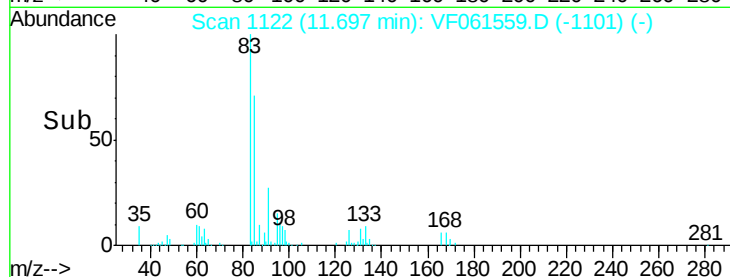
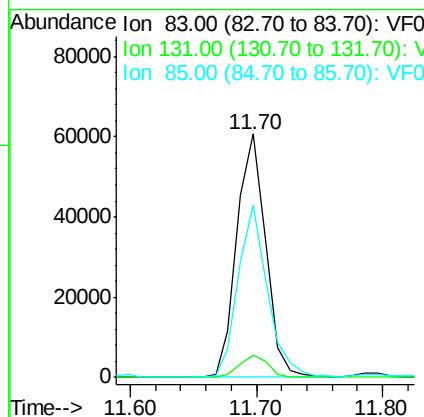
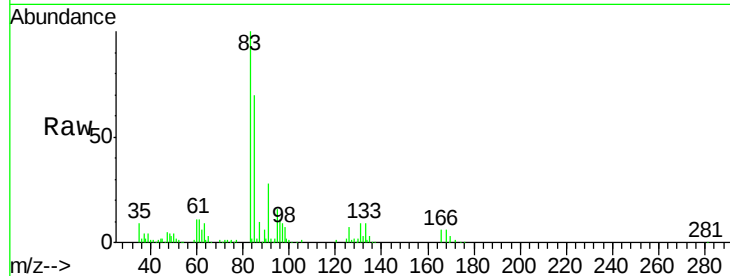
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	96322
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.0	12.2
85	70.4	32.7	98.1

Manual Integrations
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2/12/2019 2:32:04 AM



#76

1,2,3-Trichloropropane

Concen: 50.930 ug/l

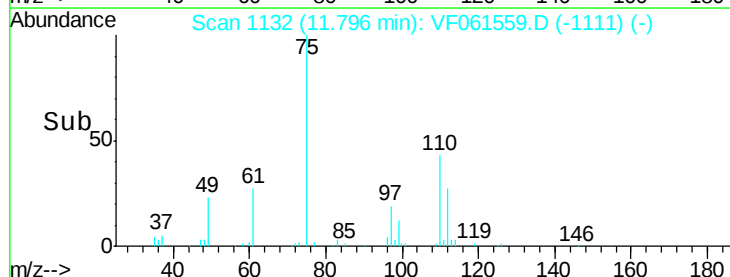
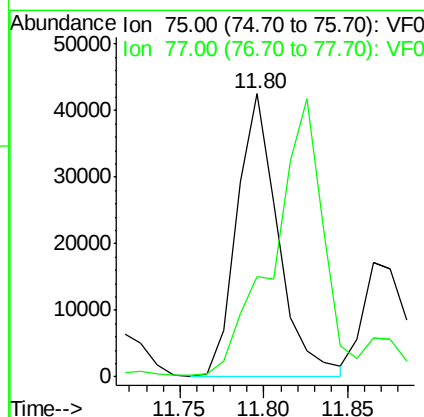
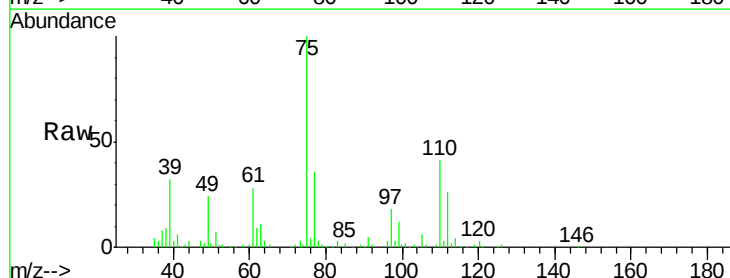
RT: 11.80 min Scan# 1132

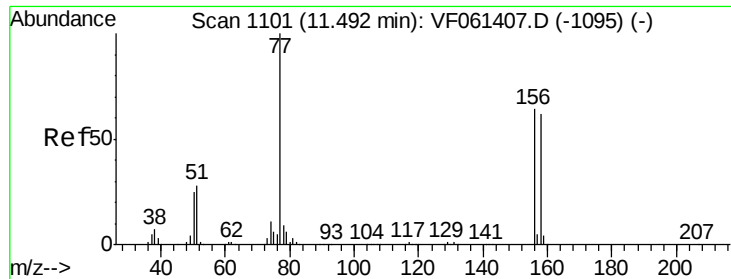
Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Tgt Ion:	75	Resp:	71490
Ion Ratio	Lower	Upper	
75	100		
77	35.6	16.1	48.3





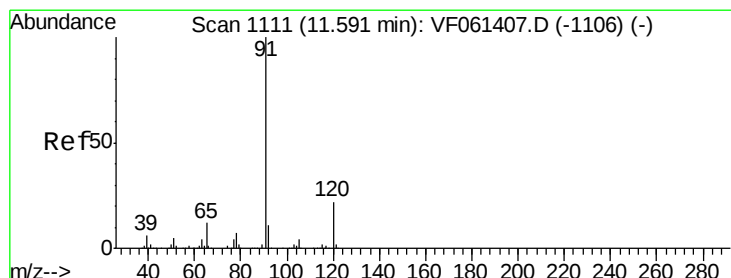
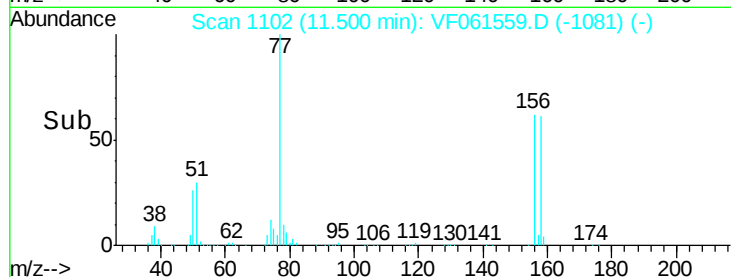
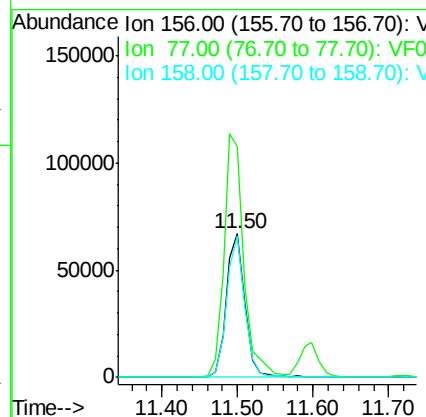
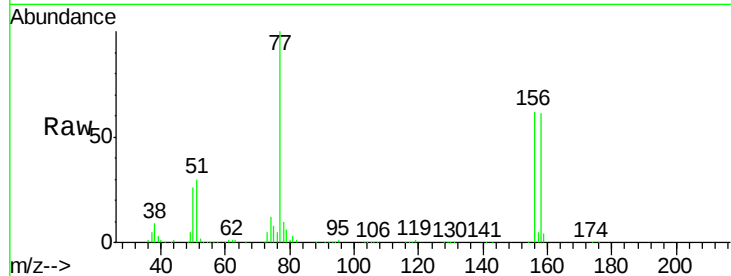
#77
Bromobenzene
Concen: 49.563 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. 0.01 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Instrument :
MSVOA_F
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	160.5	78.3	234.9		
158	98.1	48.9	146.7		

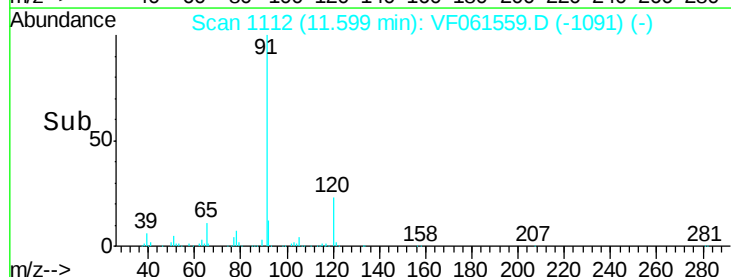
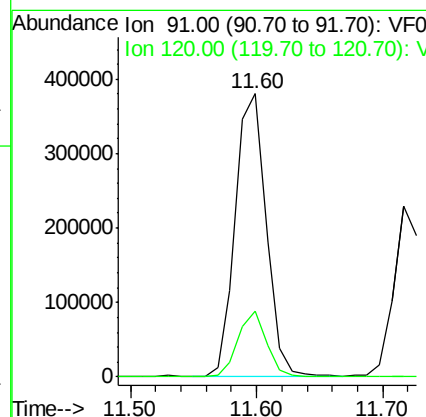
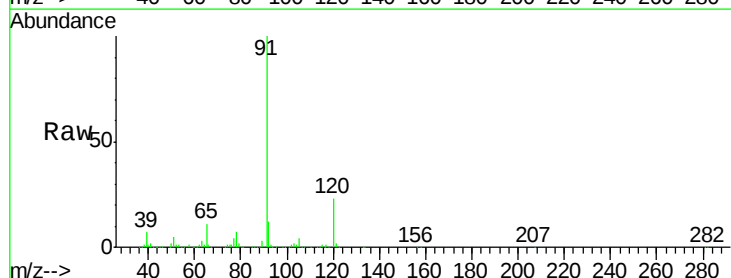
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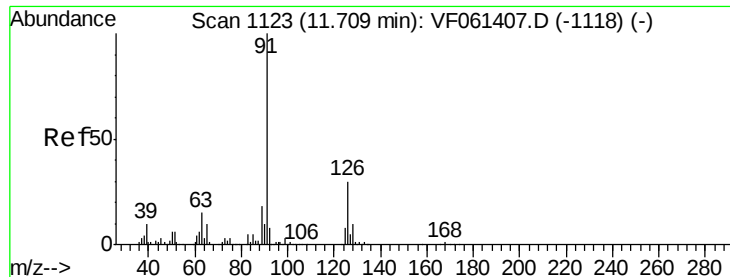
MMDadoda
2/12/2019 2:32:04 AM



#78
n-propylbenzene
Concen: 48.129 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.3	10.9	32.6		





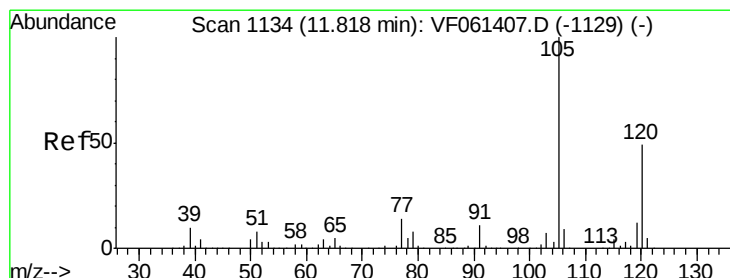
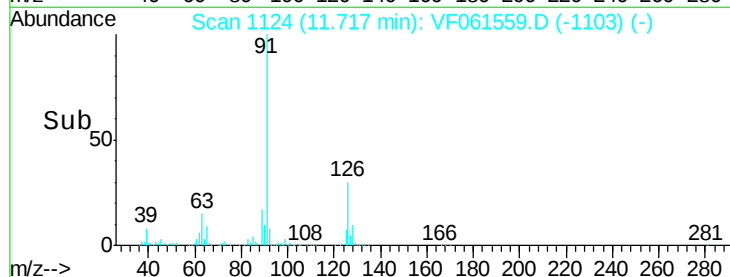
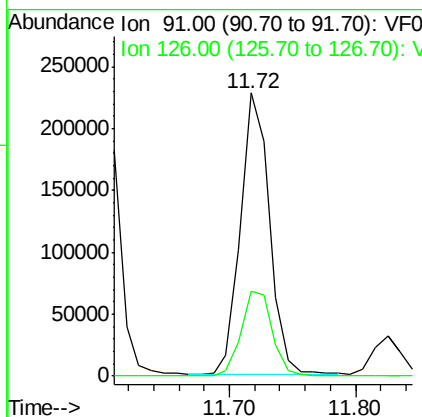
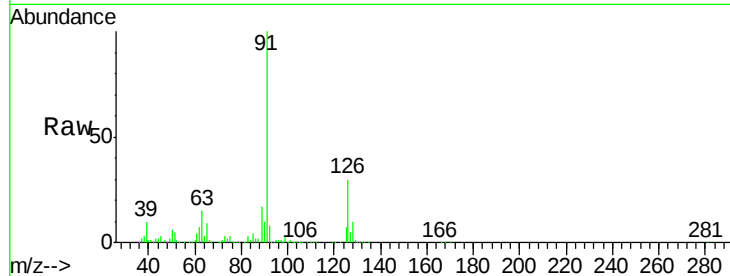
#79
 2-Chlorotoluene
 Concen: 47.639 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: VF061559.D
 Acq: 8 Feb 2019 15:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 362454
 Ion Ratio Lower Upper
 91 100
 126 29.9 15.0 45.1

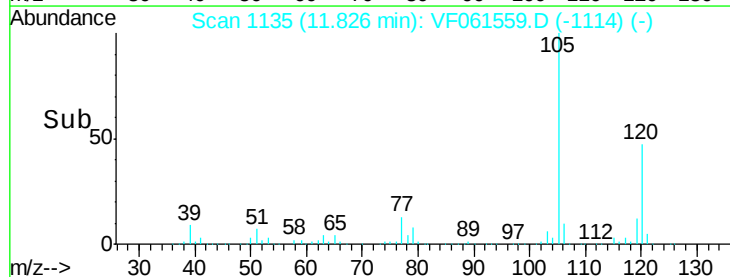
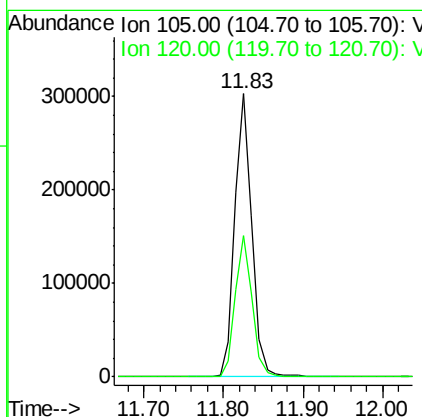
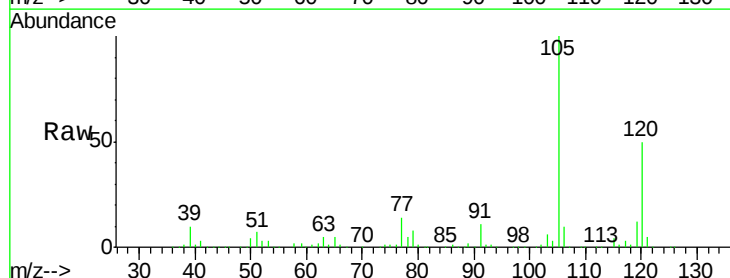
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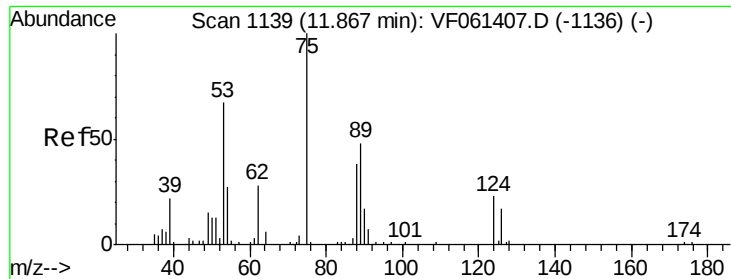
MMDadoda
 2/12/2019 2:32:04 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.710 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. 0.01 min
 Lab File: VF061559.D
 Acq: 8 Feb 2019 15:29

Tgt Ion: 105 Resp: 457600
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.7 74.1





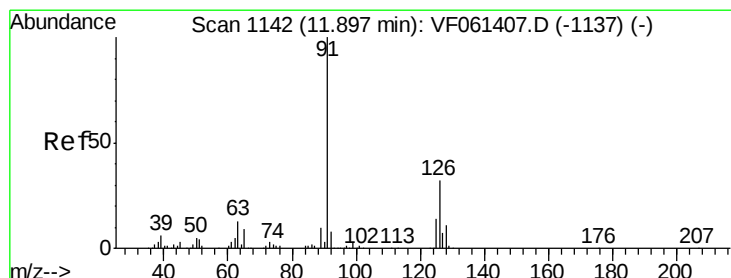
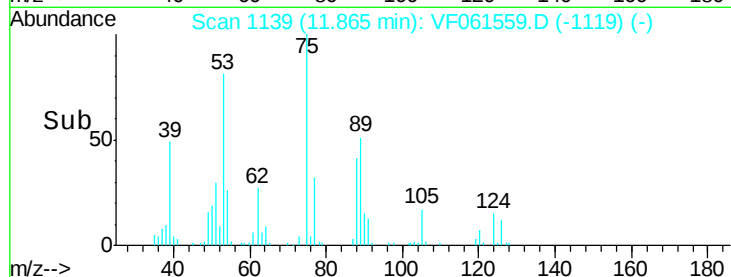
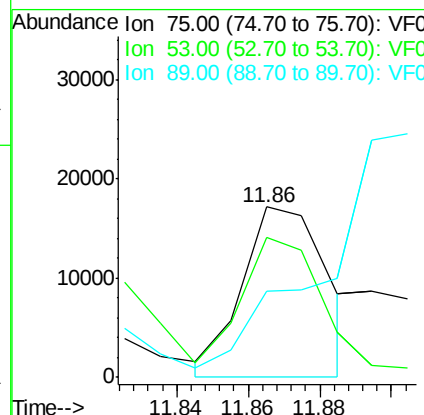
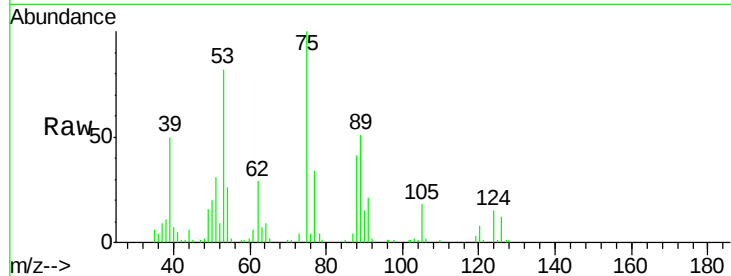
#81
trans-1,4-Dichloro-2-butene
Concen: 46.197 ug/l m
RT: 11.86 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.9	57.8	86.6
89	50.7	40.7	61.1

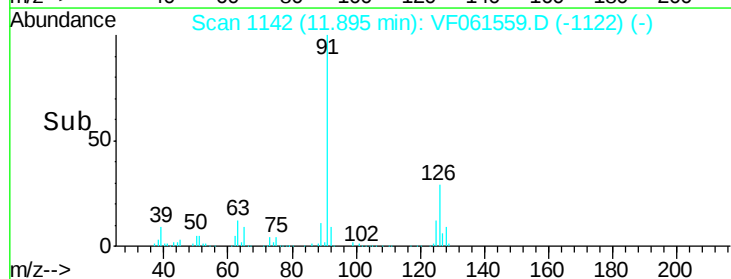
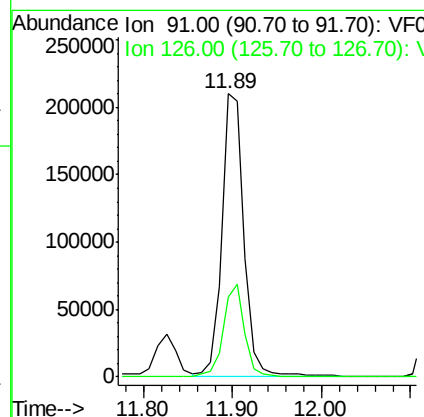
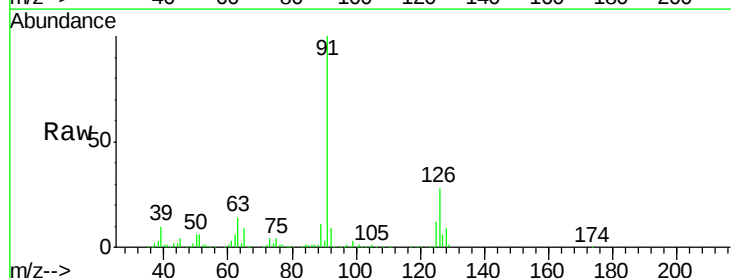
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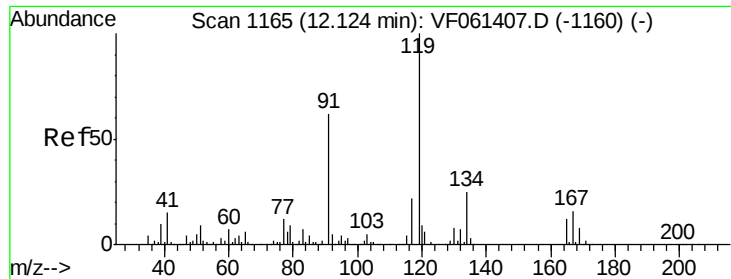
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#82
4-Chlorotoluene
Concen: 47.238 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	16.0	47.9





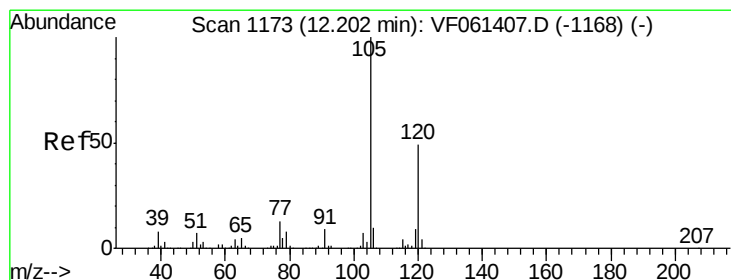
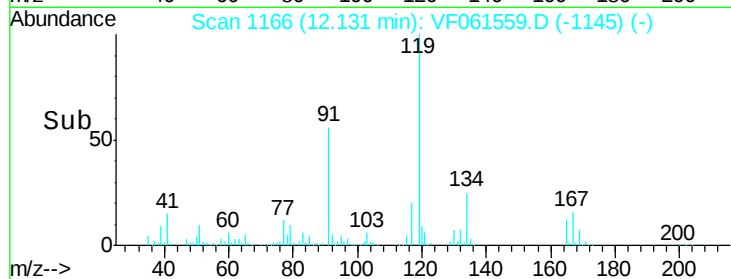
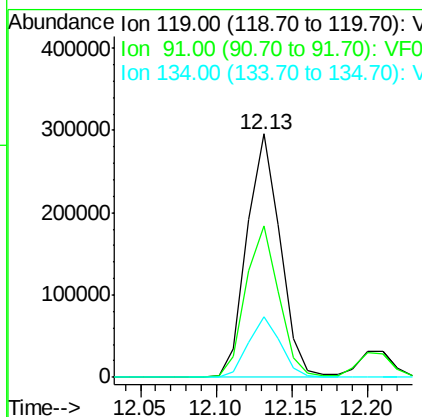
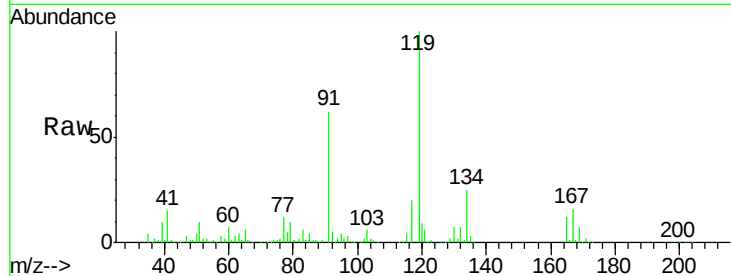
#83
tert-Butylbenzene
Concen: 49.888 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.01 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	456940		
91	62.1	31.3	93.8	
134	25.0	12.4	37.0	

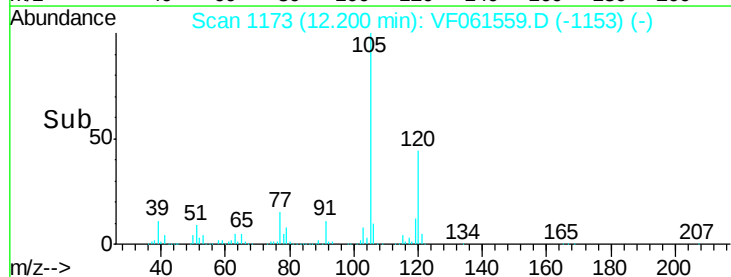
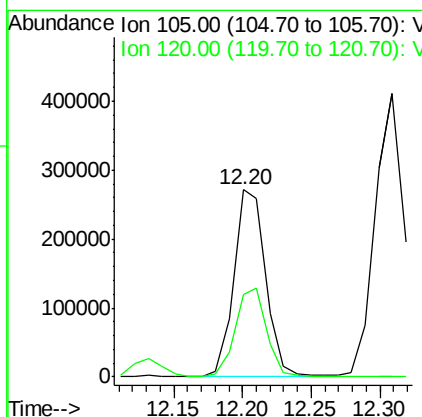
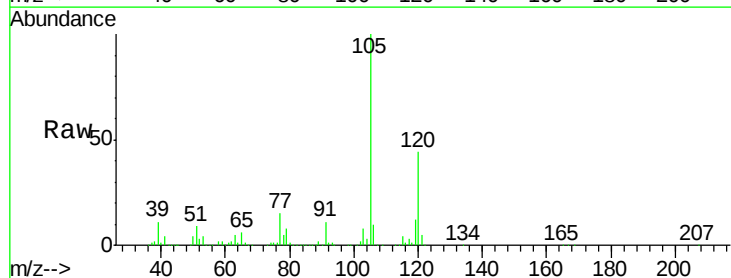
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#84
1,2,4-Trimethylbenzene
Concen: 48.023 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.00 min
Lab File: VF061559.D
Acq: 8 Feb 2019 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	437746		
120	43.9	24.9	74.6	





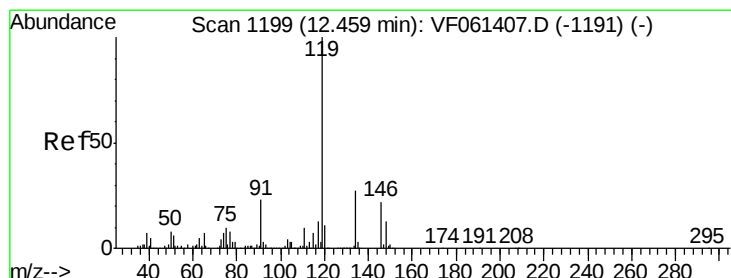
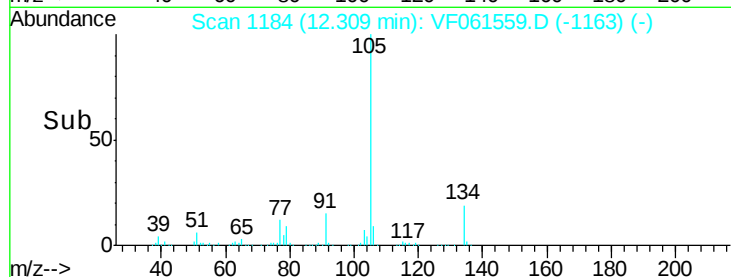
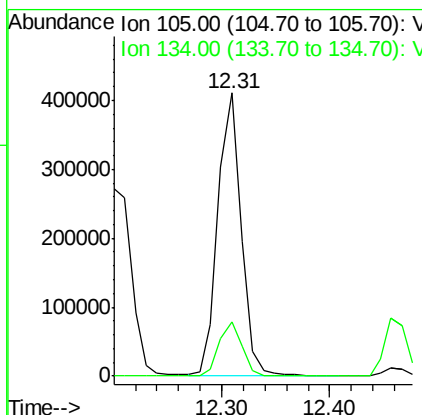
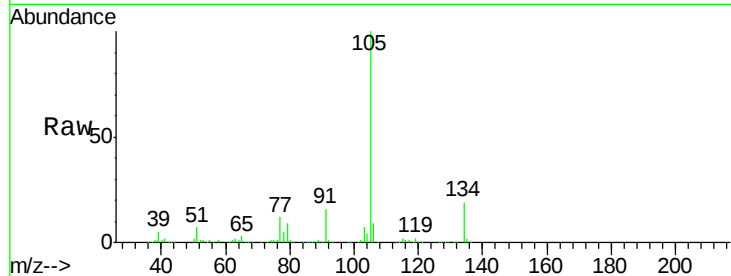
#85
 sec-Butylbenzene
 Concen: 49.504 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061559.D
 Acq: 8 Feb 2019 15:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	615767		
134	19.4	10.0	30.0	

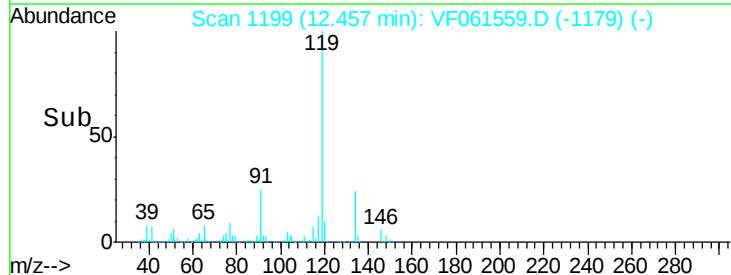
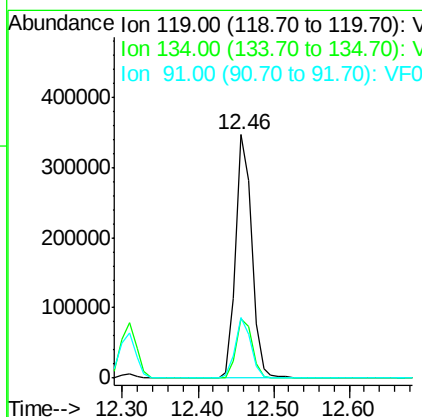
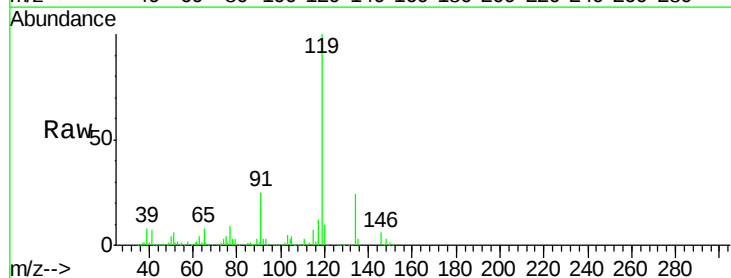
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 49.507 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061559.D
 Acq: 8 Feb 2019 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	505506		
134	24.2	13.4	40.2	
91	24.9	11.4	34.2	





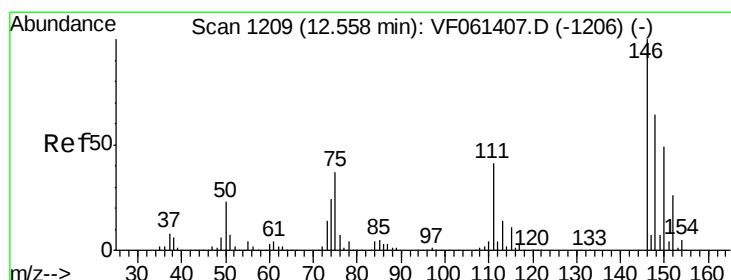
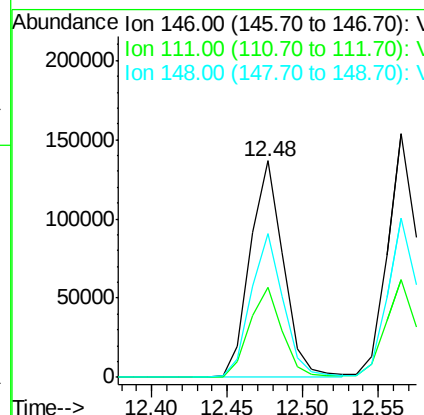
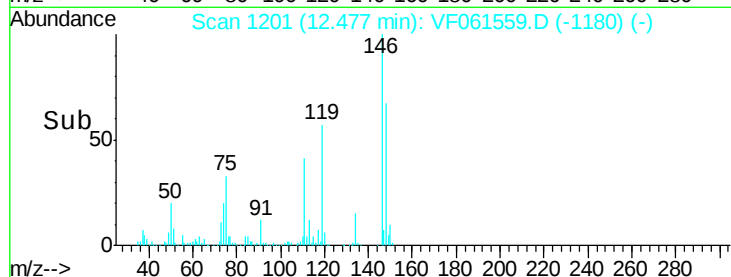
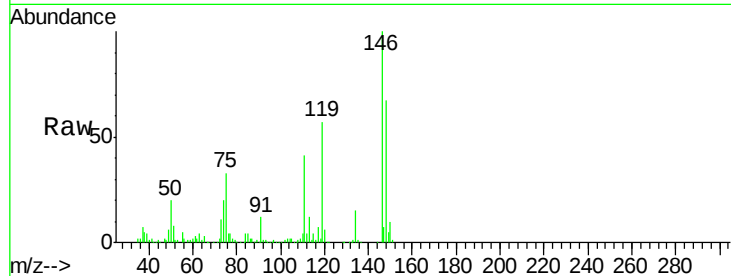
#87
 1,3-Dichlorobenzene
 Concen: 45.243 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061559.D
 Acq: 8 Feb 2019 15:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.4
148	66.7	32.9	98.6

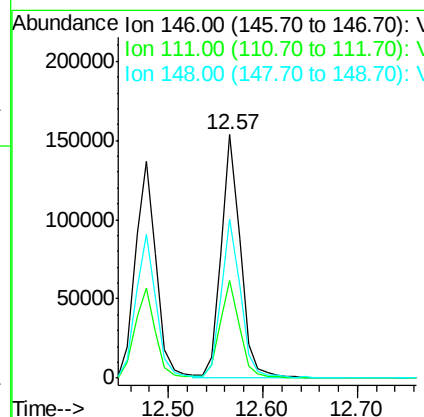
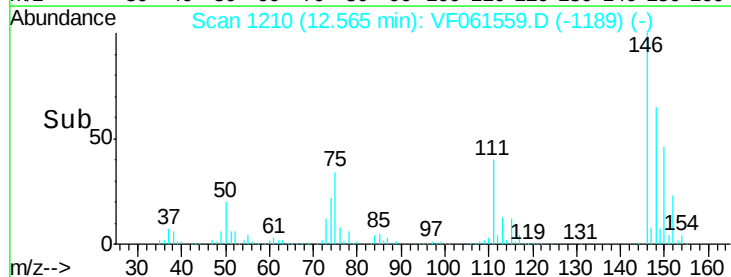
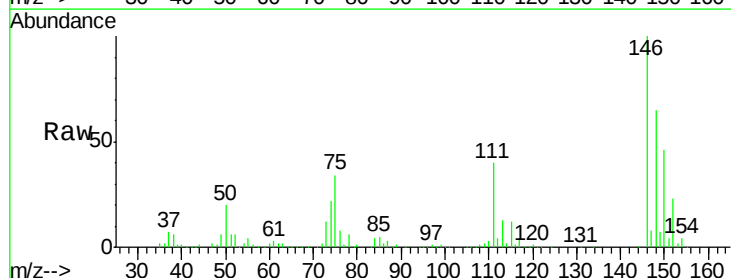
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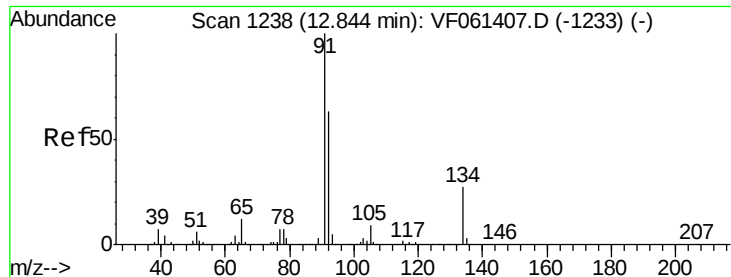
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#88
 1,4-Dichlorobenzene
 Concen: 49.839 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. 0.01 min
 Lab File: VF061559.D
 Acq: 8 Feb 2019 15:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.8	62.2
148	65.3	32.1	96.5





#89

n-Butylbenzene

Concen: 48.235 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

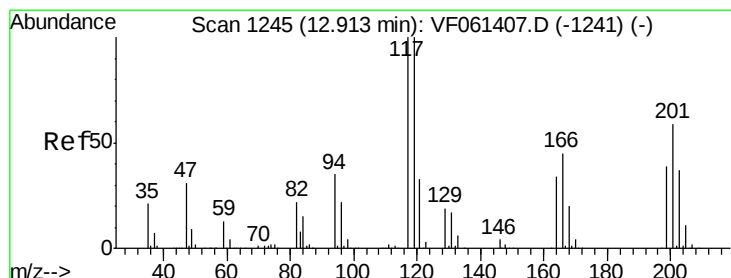
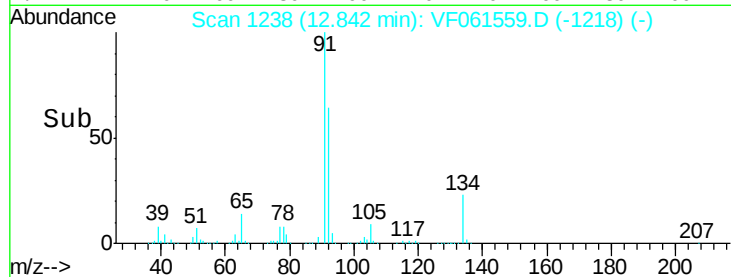
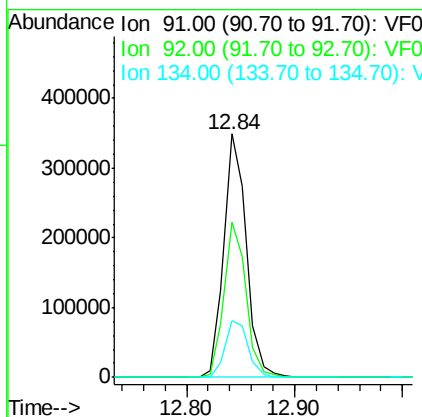
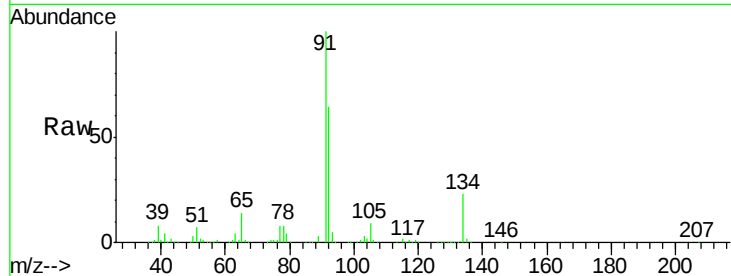
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	507935
Ion	Ratio	Lower	Upper
91	100		
92	63.8	31.6	94.7
134	23.1	13.6	40.8

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#90

Hexachloroethane

Concen: 53.049 ug/l

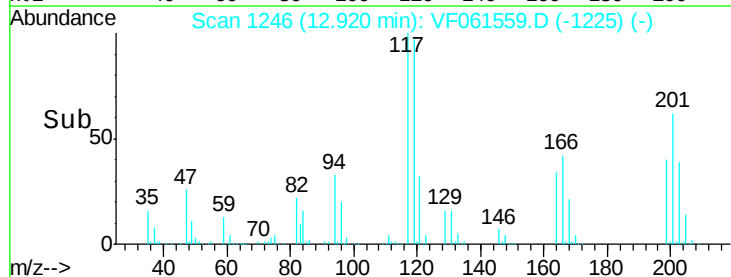
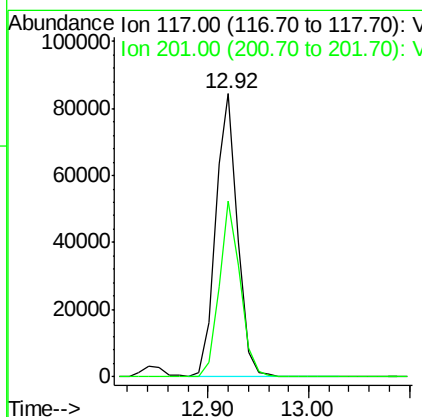
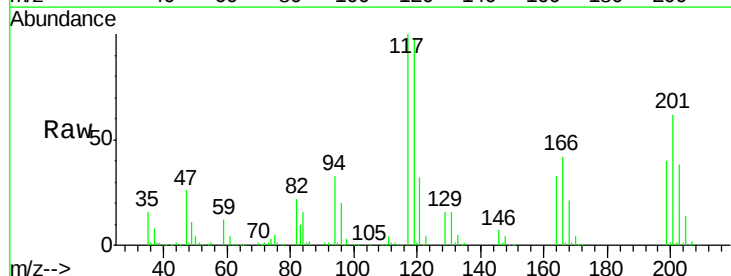
RT: 12.92 min Scan# 1246

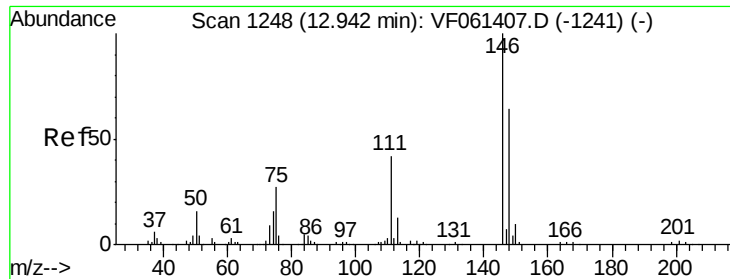
Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Tgt Ion:	117	Resp:	127686
Ion	Ratio	Lower	Upper
117	100		
201	63.3	29.3	87.8





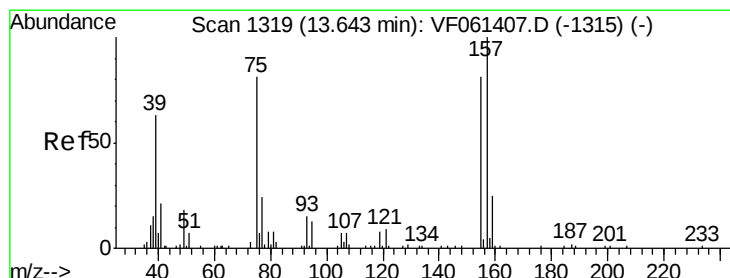
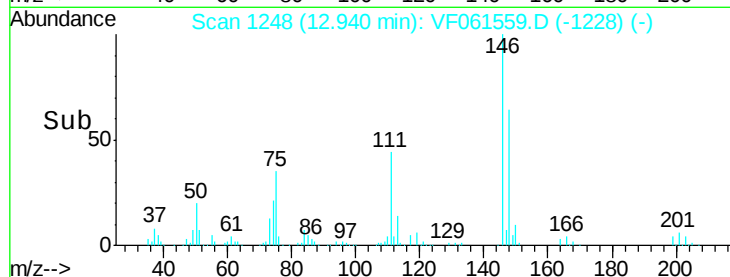
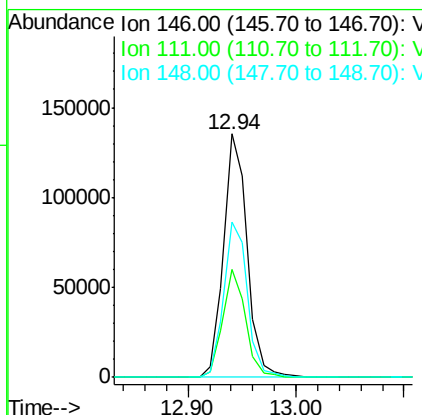
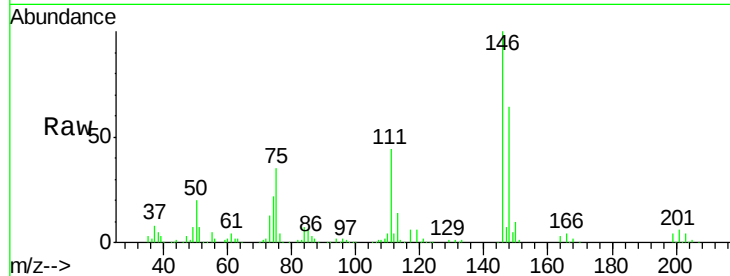
#91
 1,2-Dichlorobenzene
 Concen: 47.591 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061559.D
 Acq: 8 Feb 2019 15:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.1	63.3
148	63.7	31.9	95.7

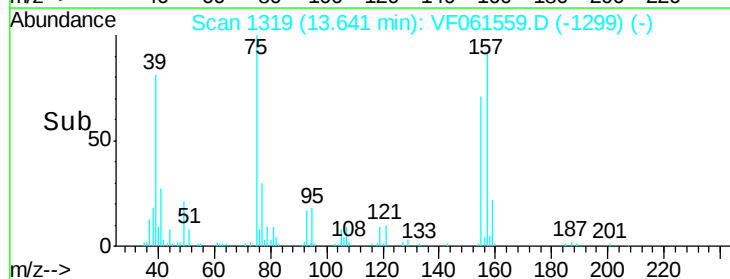
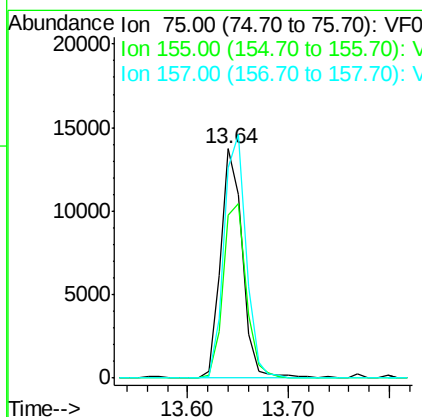
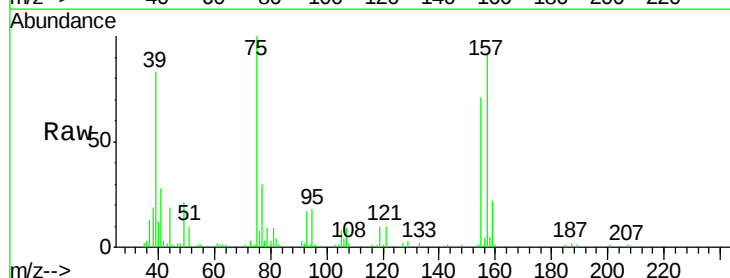
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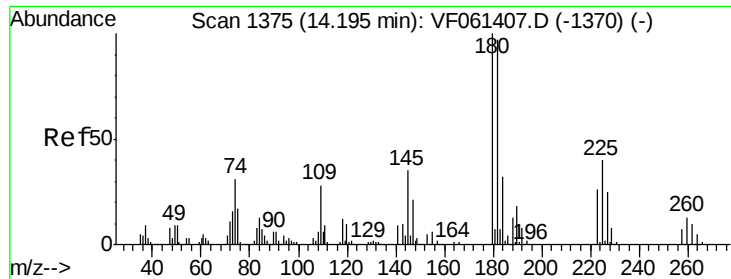
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.308 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061559.D
 Acq: 8 Feb 2019 15:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.3	49.7	149.1
157	92.1	61.4	184.1





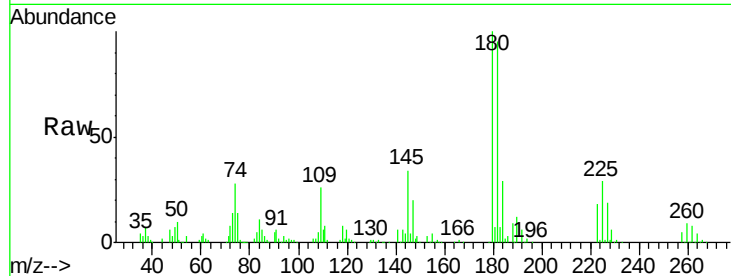
#93
 1,2,4-Trichlorobenzene
 Concen: 47.763 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061559.D
 Acq: 8 Feb 2019 15:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

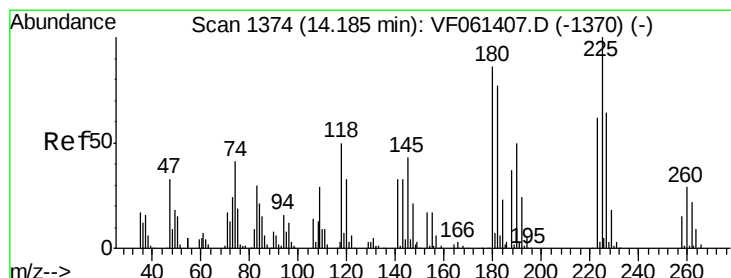
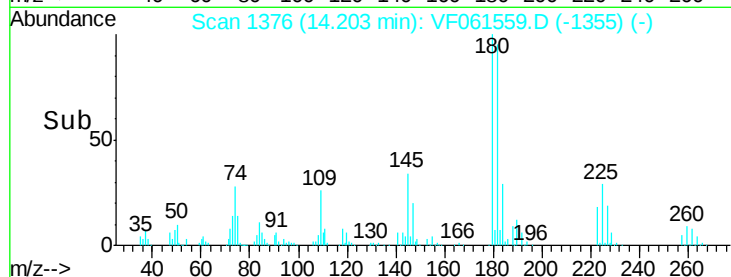
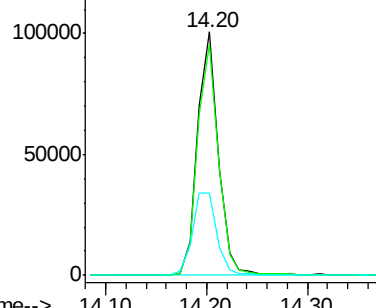
Tot Ion	Ratio	Resp	Lower	Upper
180	100	144953		
182	94.6	48.5	145.6	
145	33.6	17.5	52.6	

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MMDadoda
 2/12/2019 2:32:04 AM

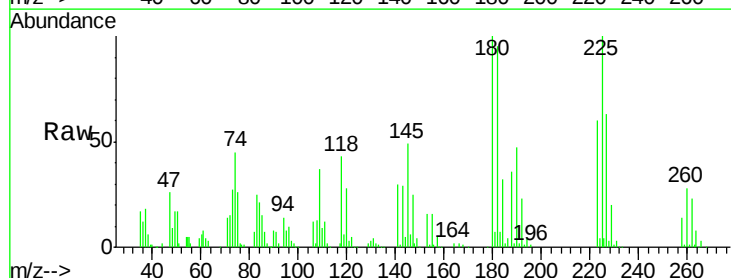


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

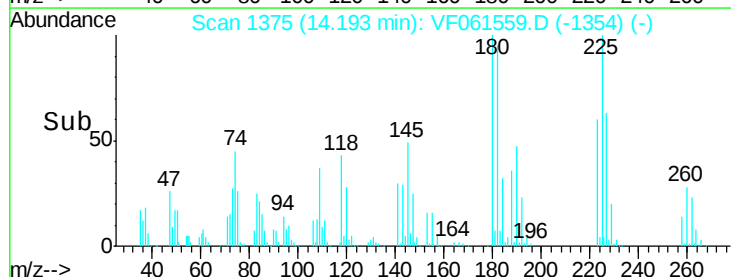
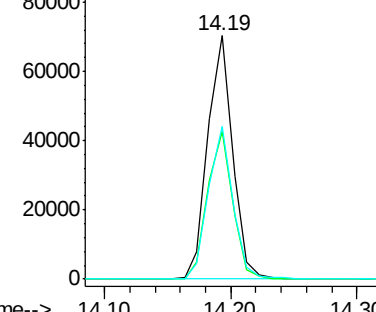


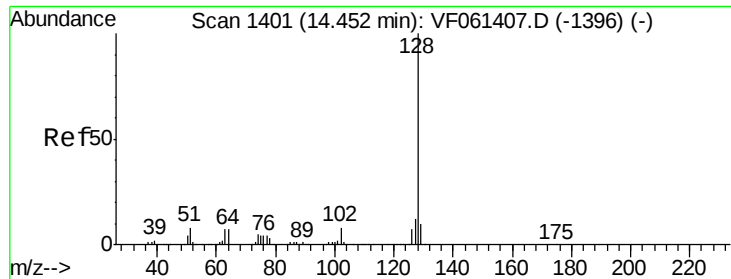
#94
 Hexachlorobutadiene
 Concen: 50.868 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061559.D
 Acq: 8 Feb 2019 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	95794		
223	60.5	31.1	93.2	
227	62.9	32.2	96.6	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 50.085 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Instrument :

MSVOA_F

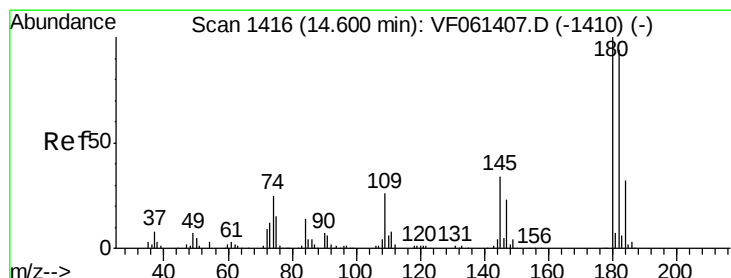
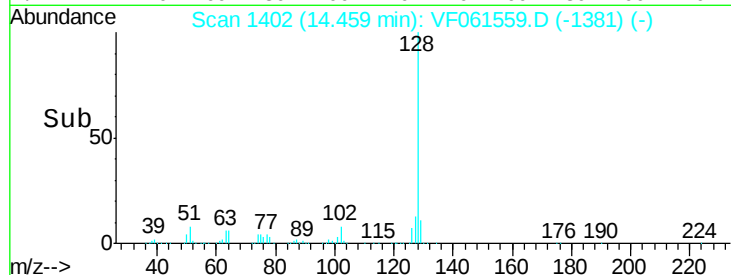
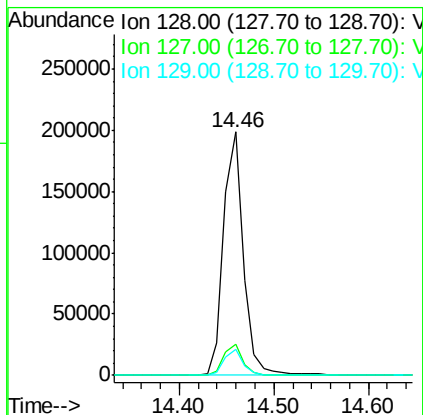
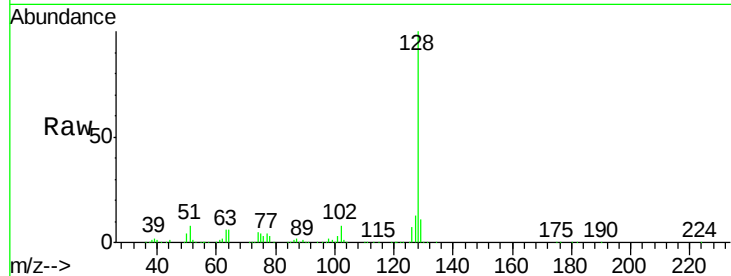
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	288785
Ion Ratio	Lower	Upper	
128	100		
127	12.7	9.5	14.3
129	10.7	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
2/12/2019 2:32:04 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.607 ug/l

RT: 14.61 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VF061559.D

Acq: 8 Feb 2019 15:29

Tgt Ion:	180	Resp:	136553
Ion Ratio	Lower	Upper	
180	100		
182	98.5	47.0	141.2
145	32.2	17.1	51.2

