

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011119\
 Data File : VF061361.D
 Acq On : 11 Jan 2019 11:37
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/14/2019 1:16:27 PM

Quant Time: Jan 12 03:39:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	168417	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	310673	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	298948	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	141143	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	108809	58.04	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	116.08%	
35) Dibromofluoromethane	4.08	113	123889	52.12	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.24%	
50) Toluene-d8	7.53	98	366400	52.09	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.18%	
62) 4-Bromofluorobenzene	11.39	95	157577	51.30	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	154240	49.649	ug/l	95
3) Chloromethane	1.08	50	112793	40.744	ug/l	98
4) Vinyl Chloride	1.12	62	106499	43.073	ug/l	98
5) Bromomethane	1.29	94	79524	41.131	ug/l	95
6) Chloroethane	1.36	64	54293	44.967	ug/l	90
7) Trichlorofluoromethane	1.46	101	220572	52.623	ug/l	96
8) Diethyl Ether	1.62	74	27268	44.302	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.80	101	98269	44.401	ug/l	97
10) Methyl Iodide	1.83	142	150298m	43.346	ug/l	
11) Tert butyl alcohol	2.54	59	17191	229.046	ug/l #	80
12) 1,1-Dichloroethene	1.76	96	78452	44.328	ug/l	97
13) Acrolein	1.98	56	20389	249.795	ug/l	92
14) Allyl chloride	2.08	41	146310	45.228	ug/l	98
15) Acrylonitrile	2.92	53	54909	206.372	ug/l	94
16) Acetone	2.22	43	120263	275.786	ug/l #	90
17) Carbon Disulfide	1.75	76	245165	41.940	ug/l	98
18) Methyl Acetate	2.33	43	39221	45.714	ug/l	93
19) Methyl tert-butyl Ether	2.41	73	152535	45.229	ug/l	97
20) Methylene Chloride	2.17	84	80809	43.803	ug/l	96
21) trans-1,2-Dichloroethene	2.30	96	87027	46.405	ug/l	97
22) Diisopropyl ether	2.78	45	274690	43.891	ug/l	99
23) Vinyl Acetate	3.16	43	507665	277.373	ug/l	99
24) 1,1-Dichloroethane	2.85	63	165693	45.768	ug/l	98
25) 2-Butanone	4.31	43	176531	251.520	ug/l	99
26) 2,2-Dichloropropane	3.57	77	114668	47.399	ug/l	99
27) cis-1,2-Dichloroethene	3.45	96	122857	46.921	ug/l	99
28) Bromochloromethane	3.70	49	75038	47.011	ug/l #	93
29) Tetrahydrofuran	4.04	42	68883	234.733	ug/l	98
30) Chloroform	3.84	83	239039	52.014	ug/l	98
31) Cyclohexane	3.67	56	175572	46.228	ug/l	96
32) 1,1,1-Trichloroethane	4.07	97	181156	48.802	ug/l	99
36) 1,1-Dichloropropene	4.25	75	169223	46.645	ug/l	95
37) Ethyl Acetate	4.08	43	60871	46.074	ug/l #	71
38) Carbon Tetrachloride	3.96	117	161022	46.863	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	180757	39.819	ug/l	94
40) Benzene	4.61	78	378423	44.678	ug/l	98
41) Methacrylonitrile	4.72	41	35181	47.685	ug/l	93
42) 1,2-Dichloroethane	4.92	62	134432	50.980	ug/l	100
43) Isopropyl Acetate	6.93	43	84665	48.540	ug/l #	100
44) Trichloroethene	5.48	130	115361	46.540	ug/l	91
45) 1,2-Dichloropropane	6.21	63	103719	48.154	ug/l	100
46) Dibromomethane	6.06	93	66440	50.240	ug/l	90
47) Bromodichloromethane	6.36	83	171326	52.091	ug/l	98
48) Methyl methacrylate	6.70	41	52067	45.989	ug/l	92
49) 1,4-Dioxane	6.69	88	6703	938.294	ug/l #	85
51) 4-Methyl-2-Pentanone	8.24	43	305691	232.193	ug/l	99
52) Toluene	7.60	92	249367	45.805	ug/l	99
53) t-1,3-Dichloropropene	8.25	75	129341	50.076	ug/l	99
54) cis-1,3-Dichloropropene	7.28	75	171243	50.002	ug/l	97
55) 1,1,2-Trichloroethane	8.47	97	74062	48.616	ug/l	93
56) Ethyl methacrylate	8.60	69	78313	45.996	ug/l	97
57) 1,3-Dichloropropane	8.83	76	129341	47.974	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.27	63	15154	208.856	ug/l #	89
59) 2-Hexanone	9.47	43	231976	248.714	ug/l	99
60) Dibromochloromethane	8.69	129	108750	53.610	ug/l	96
61) 1,2-Dibromoethane	8.96	107	78001	50.229	ug/l	100
64) Tetrachloroethene	8.13	164	103060	47.349	ug/l	97
65) Chlorobenzene	9.77	112	276337	45.775	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.91	131	111964	45.454	ug/l	94
67) Ethyl Benzene	9.88	91	505915	43.465	ug/l	95
68) m/p-Xylenes	10.11	106	376111	92.636	ug/l	98
69) o-Xylene	10.69	106	193913	42.755	ug/l	98
70) Styrene	10.77	104	266932	44.180	ug/l	99
71) Bromoform	10.76	173	50063	49.730	ug/l #	100
73) Isopropylbenzene	11.11	105	602473	48.509	ug/l	97
74) N-amyl acetate	11.36	43	142512	50.478	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.68	83	93500	47.480	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	67908	47.018	ug/l	96
77) Bromobenzene	11.48	156	117539	47.571	ug/l	91
78) n-propylbenzene	11.58	91	698427	47.165	ug/l	99
79) 2-Chlorotoluene	11.71	91	385890	46.773	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	482597	48.833	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	31798m	50.380	ug/l	
82) 4-Chlorotoluene	11.88	91	404808	48.287	ug/l	98
83) tert-Butylbenzene	12.12	119	486520	49.413	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	452519	46.120	ug/l	96
85) sec-Butylbenzene	12.29	105	656764	46.847	ug/l	96
86) p-Isopropyltoluene	12.45	119	525530	46.087	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	217801	45.138	ug/l	100
88) 1,4-Dichlorobenzene	12.56	146	223570	48.195	ug/l	97
89) n-Butylbenzene	12.83	91	553383	47.232	ug/l	99
90) Hexachloroethane	12.90	117	131283	50.331	ug/l	88
91) 1,2-Dichlorobenzene	12.93	146	211263	45.871	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	16666	50.089	ug/l	86

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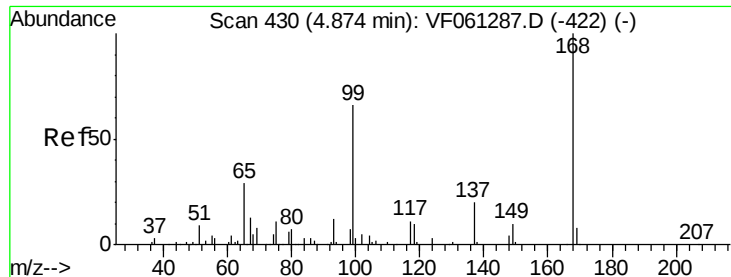
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	156001	49.221	ug/l	99
94) Hexachlorobutadiene	14.18	225	100382	49.198	ug/l	97
95) Naphthalene	14.44	128	292080	48.902	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	142355	47.682	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.03 min

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Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 168417

Ion Ratio Lower Upper

168 100

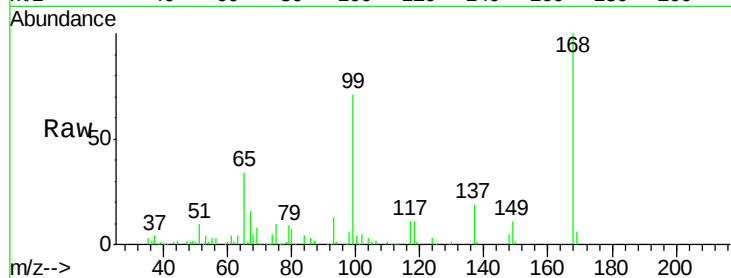
99 71.5 52.7 79.1

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

60000

50000

40000

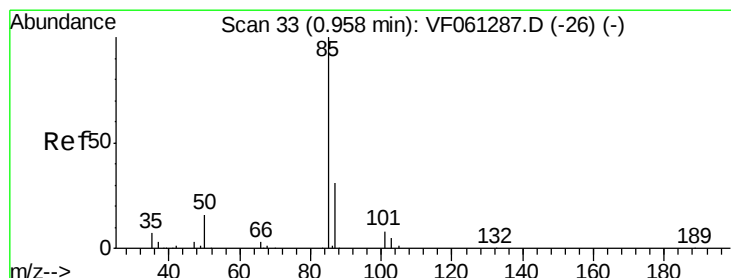
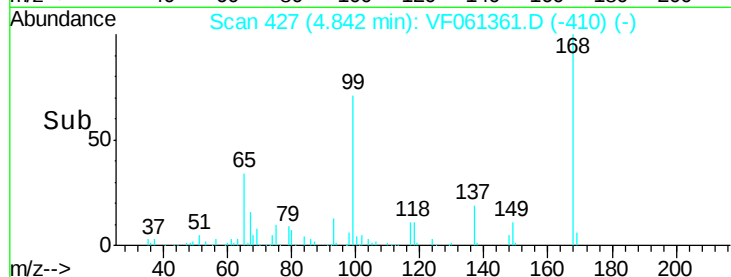
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.649 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061361.D

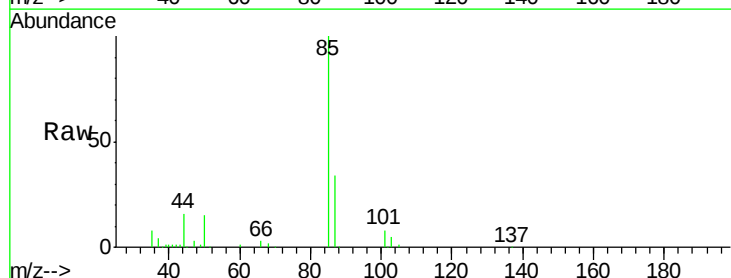
Acq: 11 Jan 2019 11:37

Tgt Ion: 85 Resp: 154240

Ion Ratio Lower Upper

85 100

87 33.8 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

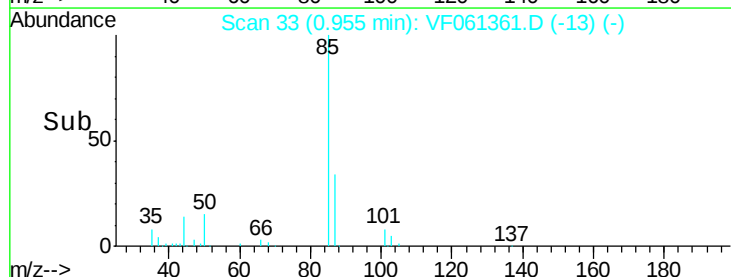
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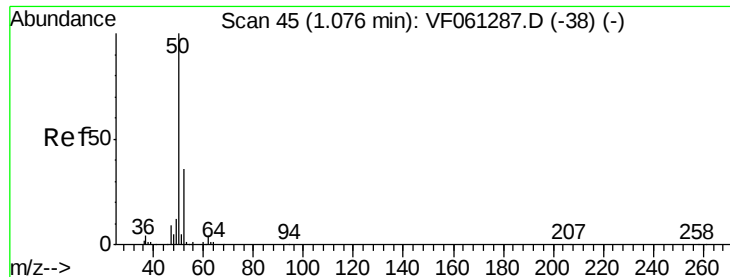
20000

10000

0

Time-->





#3

Chloromethane

Concen: 40.744 ug/l

RT: 1.08 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 112793

Ion Ratio Lower Upper

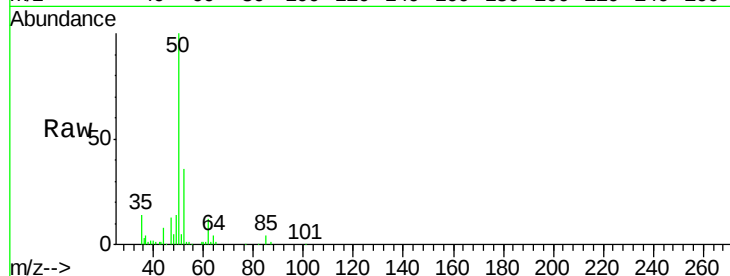
50 100

52 36.4 28.2 42.2

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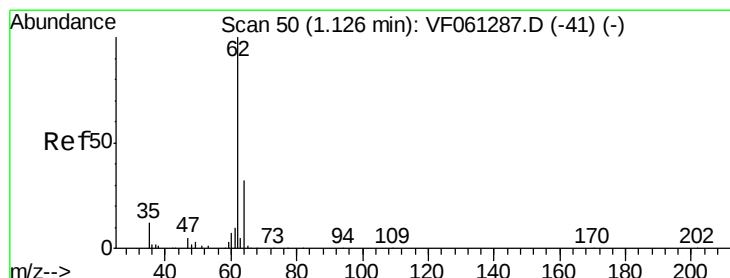
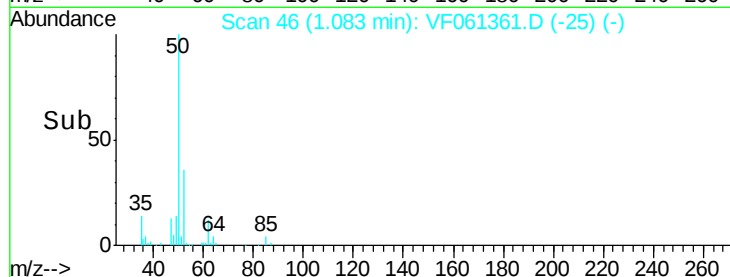
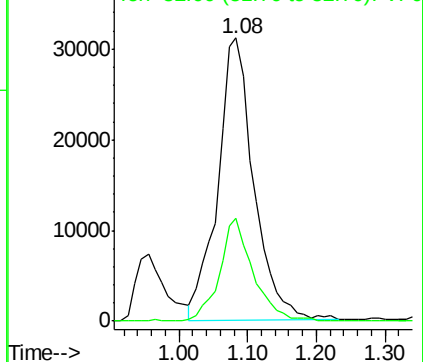
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 43.073 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF061361.D

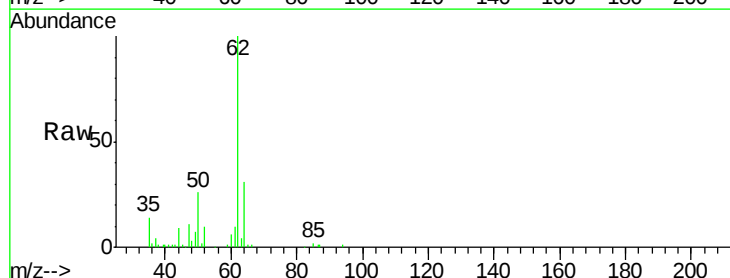
Acq: 11 Jan 2019 11:37

Tgt Ion: 62 Resp: 106499

Ion Ratio Lower Upper

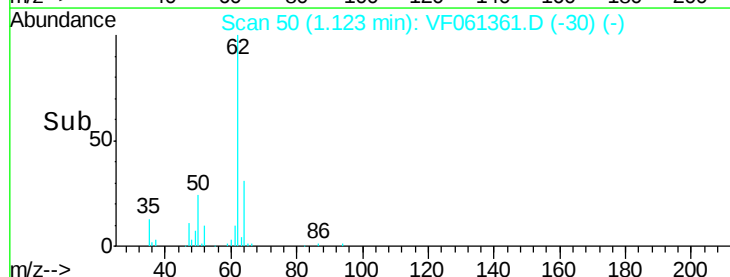
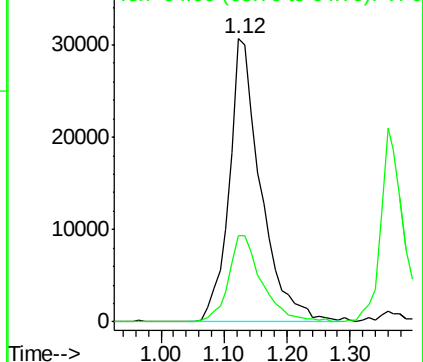
62 100

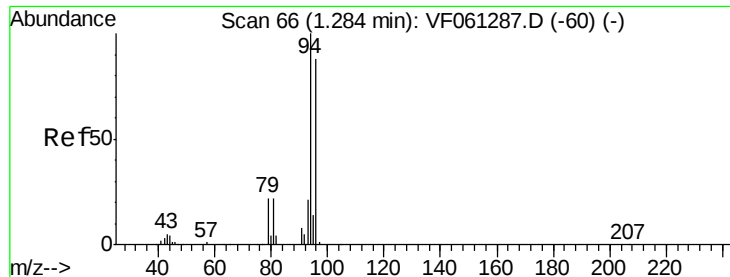
64 30.6 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 41.131 ug/l

RT: 1.29 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 79524

Ion Ratio Lower Upper

94 100

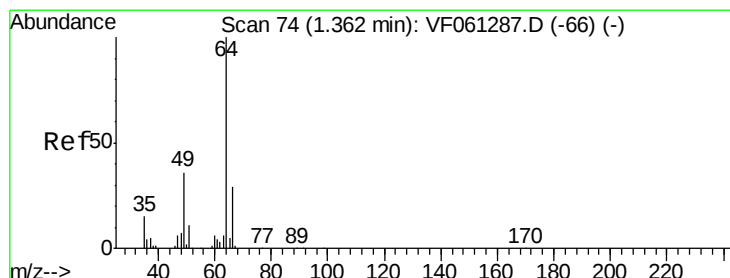
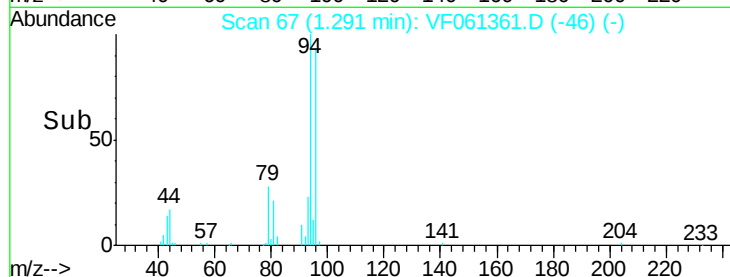
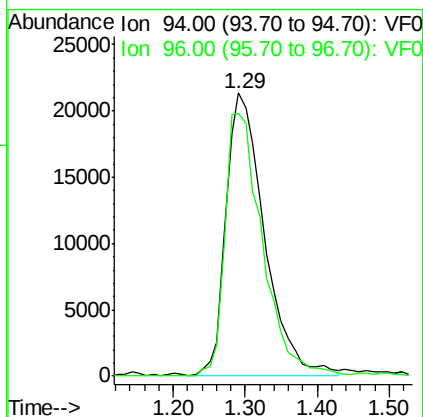
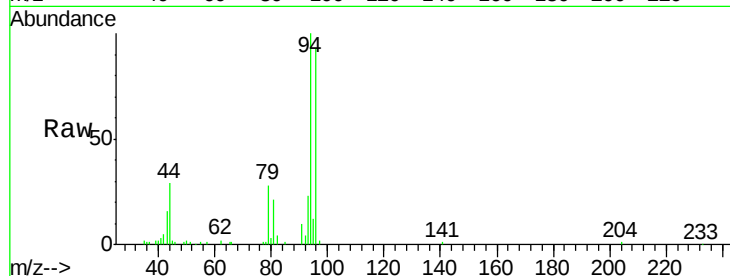
96 92.7 70.2 105.4

Manual Integrations

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#6

Chloroethane

Concen: 44.967 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VF061361.D

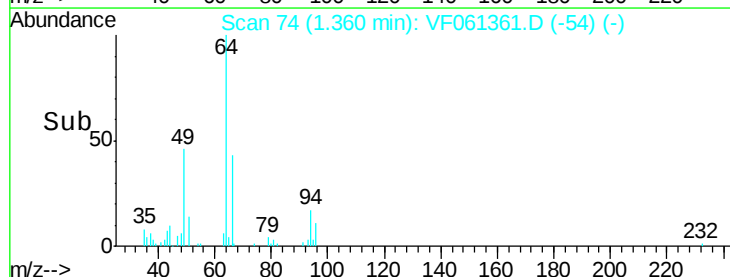
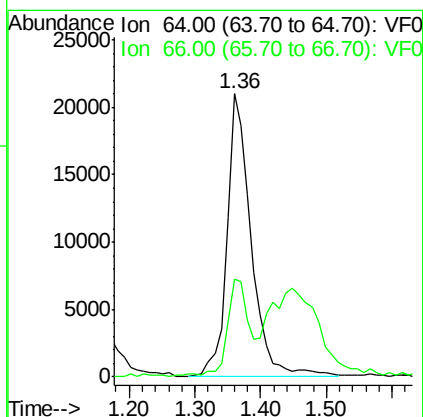
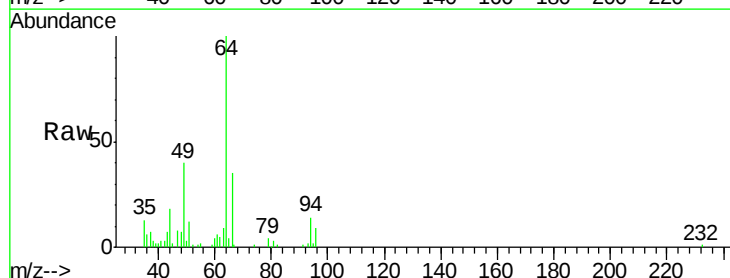
Acq: 11 Jan 2019 11:37

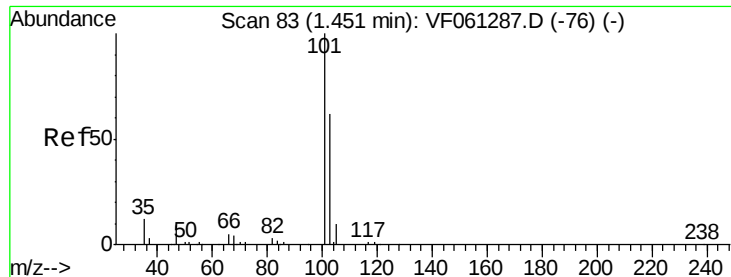
Tgt Ion: 64 Resp: 54293

Ion Ratio Lower Upper

64 100

66 34.7 23.4 35.0





#7

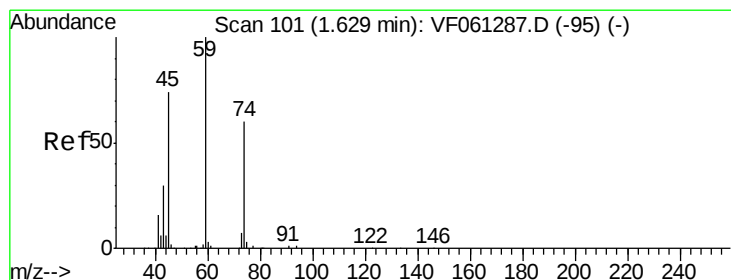
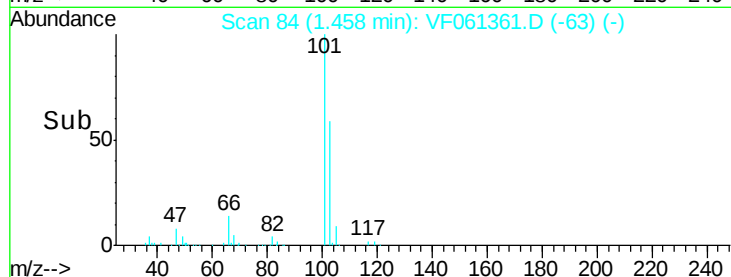
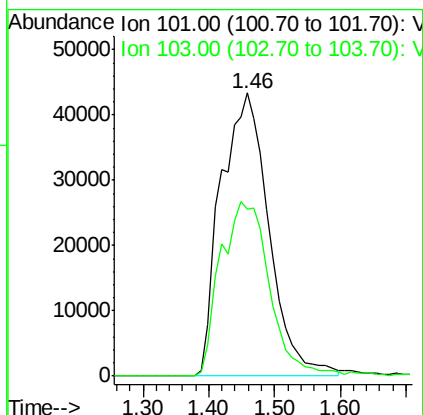
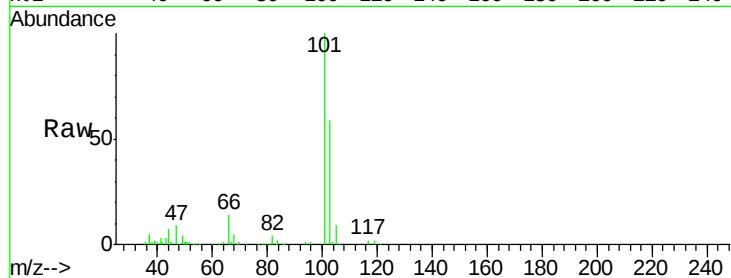
Trichlorofluoromethane
Concen: 52.623 ug/l
RT: 1.46 min Scan# 84
Delta R.T. 0.01 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	220572		
103	59.1	49.9	74.9	

Manual Integrations
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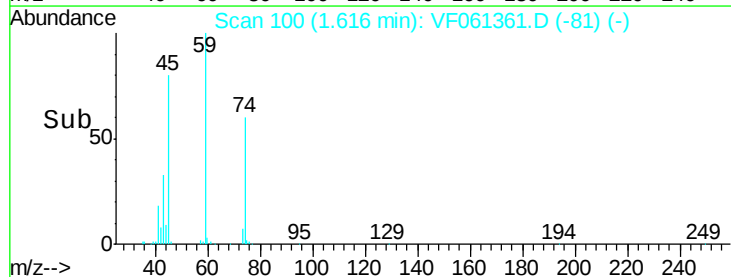
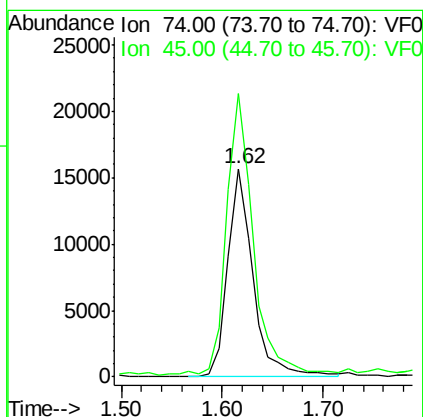
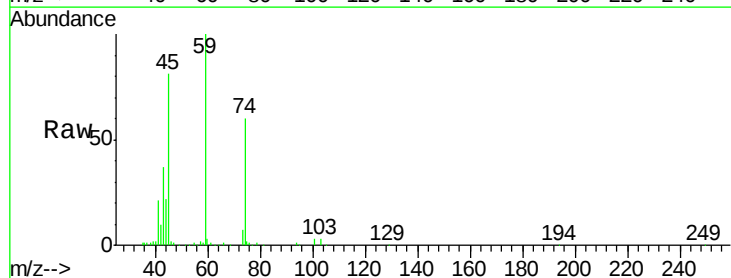
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1/14/2019 1:16:27 PM

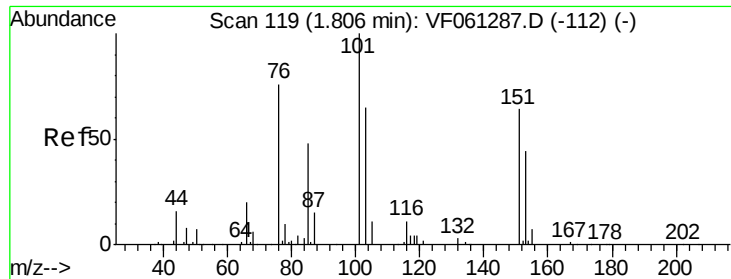


#8

Diethyl Ether
Concen: 44.302 ug/l
RT: 1.62 min Scan# 100
Delta R.T. -0.01 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	27268		
45	136.0	62.1	186.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.401 ug/l

RT: 1.80 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

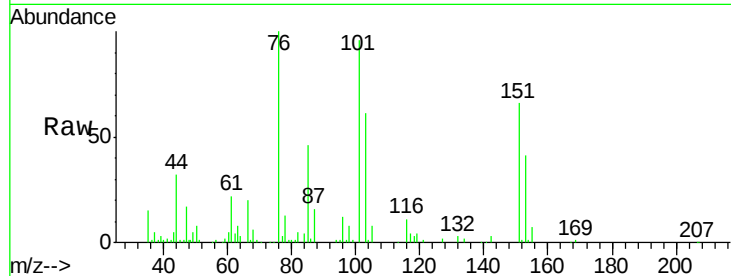
ClientSampleId :

VSTDCCC050

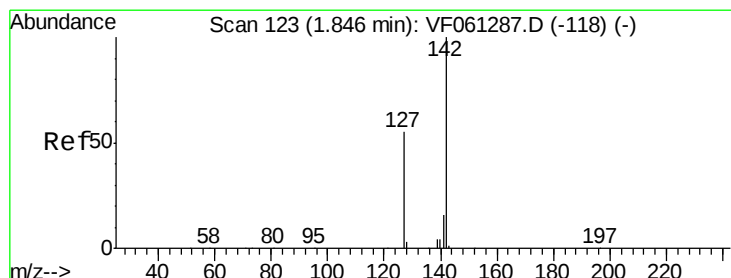
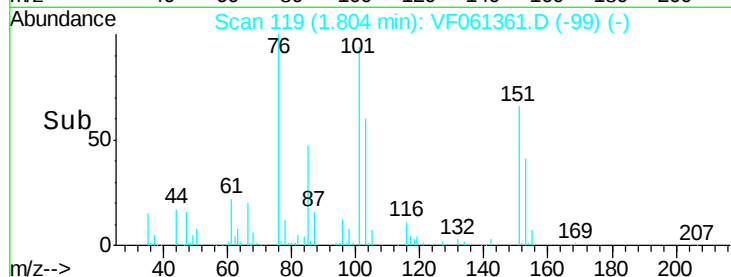
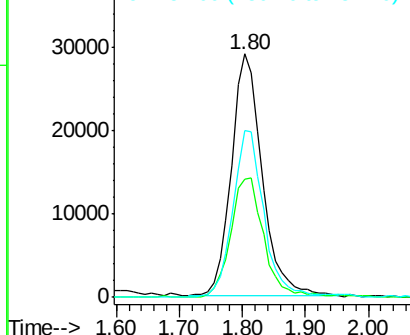
Tot Ion:	101	Resp:	98269
Ion Ratio	Lower	Upper	
101	100		
85	48.4	38.4	57.6
151	68.7	51.4	77.2

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VF0
Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 43.346 ug/l m

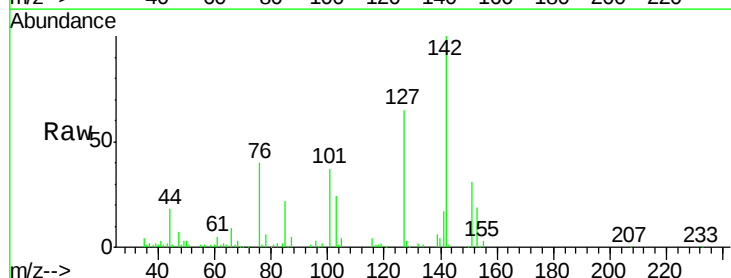
RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

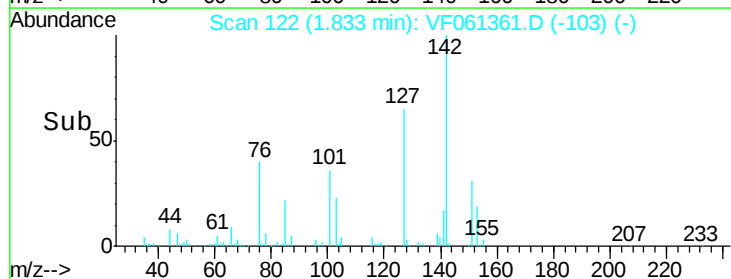
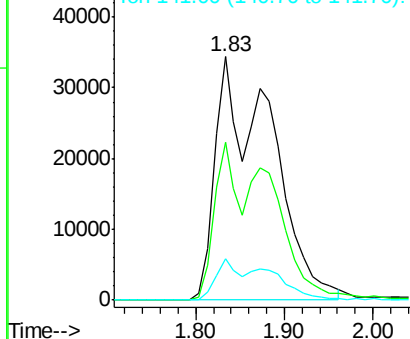
Lab File: VF061361.D

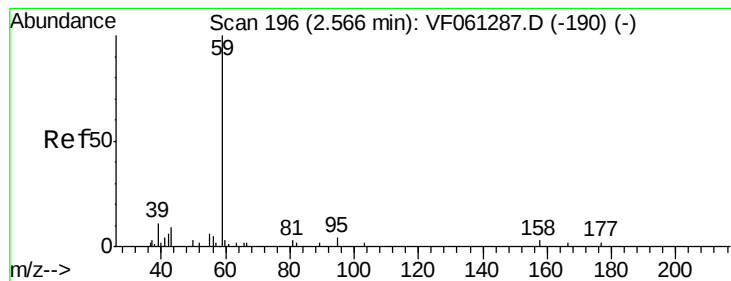
Acq: 11 Jan 2019 11:37

Tgt Ion:	142	Resp:	150298
Ion Ratio	Lower	Upper	
142	100		
127	64.7	44.3	66.5
141	16.8	13.2	19.8



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V





#11

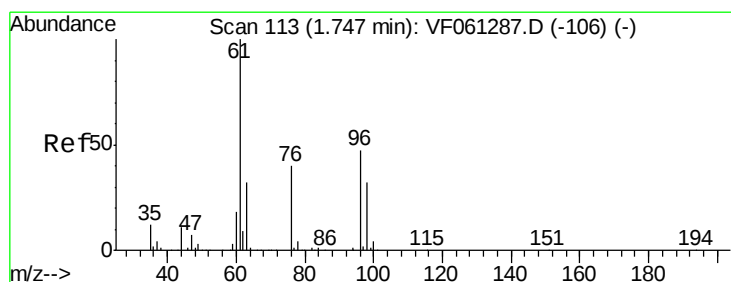
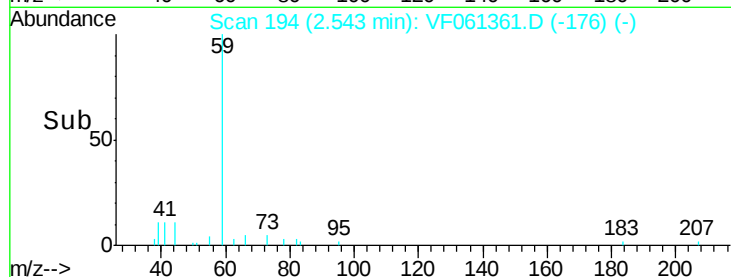
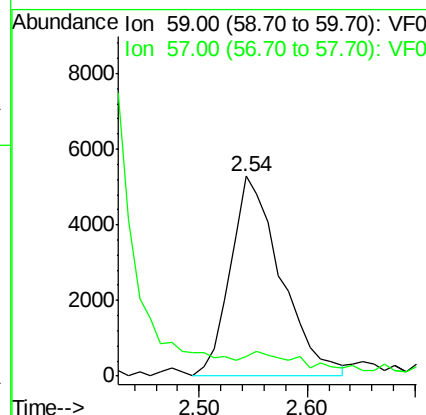
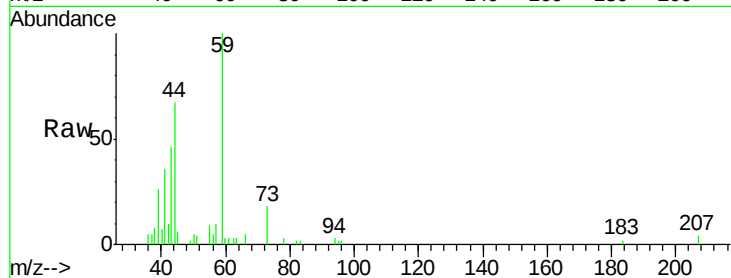
Tert butyl alcohol
Concen: 229.046 ug/l
RT: 2.54 min Scan# 194
Delta R.T. -0.02 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	17191
Ion Ratio	100	Lower	Upper
57	9.9	15.1	22.7#

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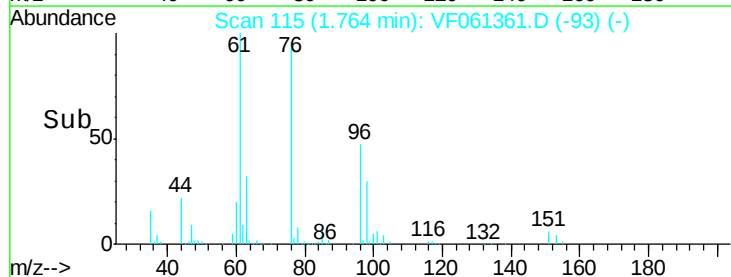
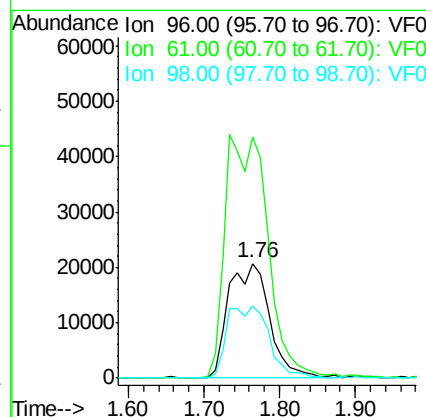
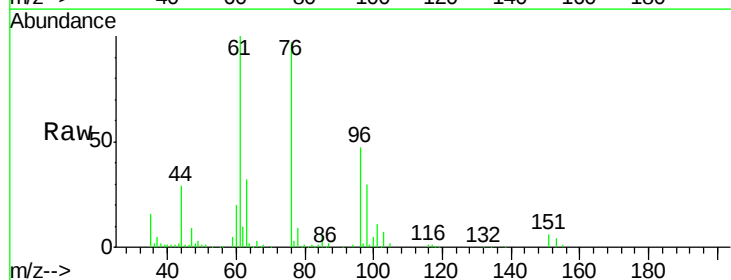
MMDadoda
1/14/2019 1:16:27 PM

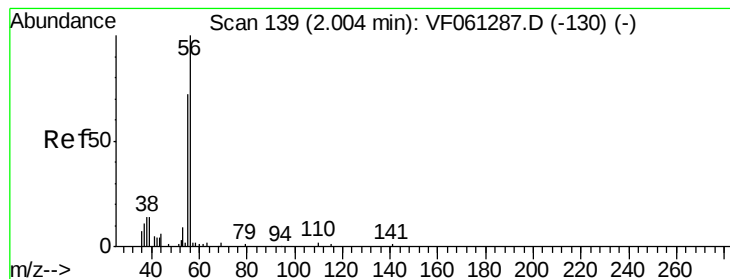


#12

1,1-Dichloroethene
Concen: 44.328 ug/l
RT: 1.76 min Scan# 115
Delta R.T. 0.02 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Tgt Ion	96	Resp	78452
Ion Ratio	100	Lower	Upper
61	211.3	171.8	257.8
98	63.2	54.2	81.4





#13

Acrolein

Concen: 249.795 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.02 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 20389

Ion Ratio Lower Upper

56 100

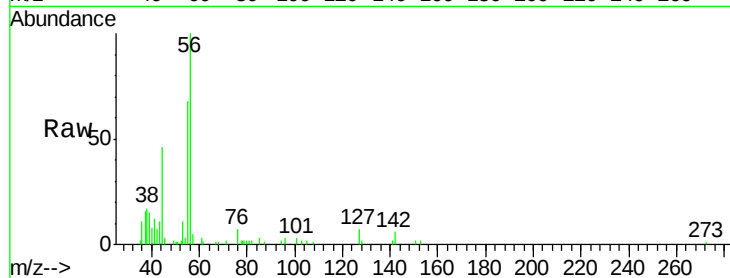
55 67.8 59.4 89.0

Manual Integrations

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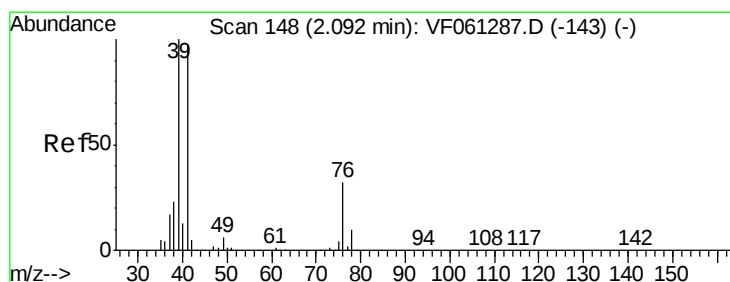
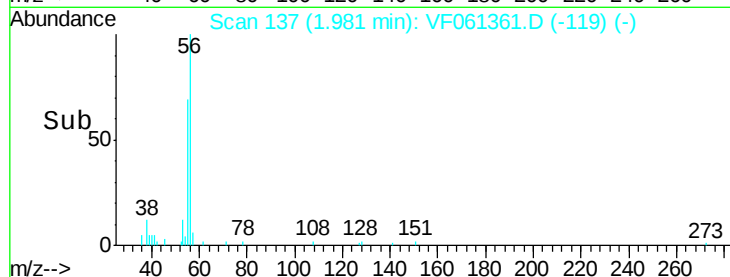
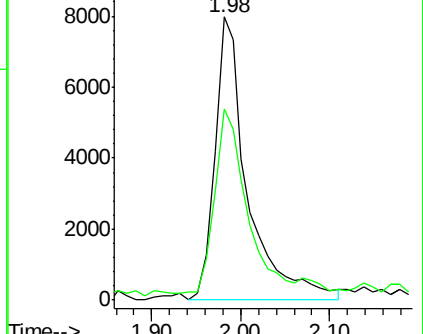
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 45.228 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

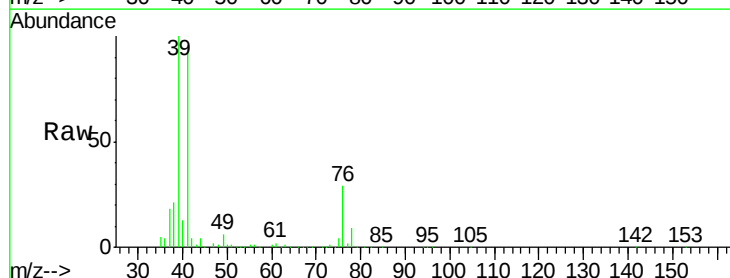
Tgt Ion: 41 Resp: 146310

Ion Ratio Lower Upper

41 100

39 104.3 82.6 123.8

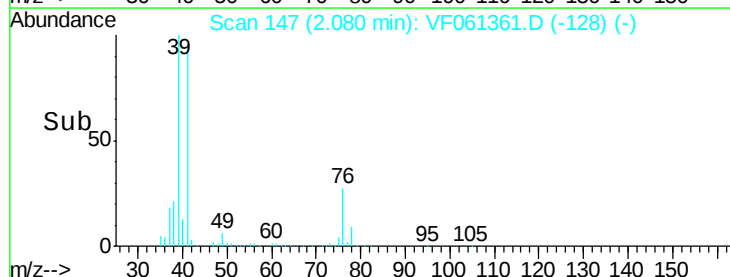
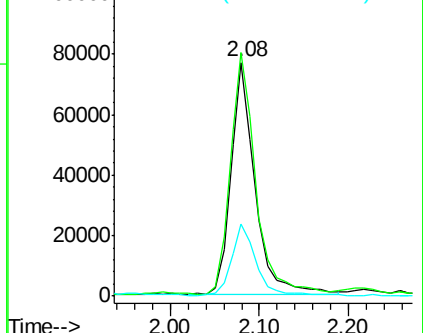
76 30.7 26.9 40.3

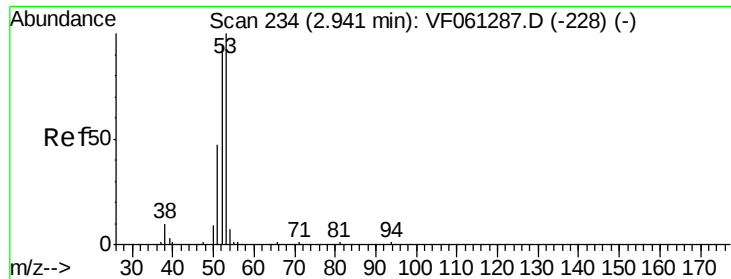


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 206.372 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.02 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

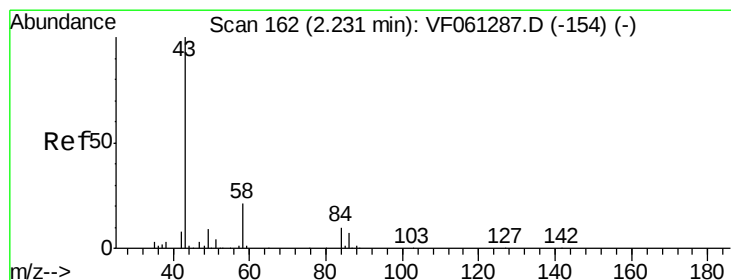
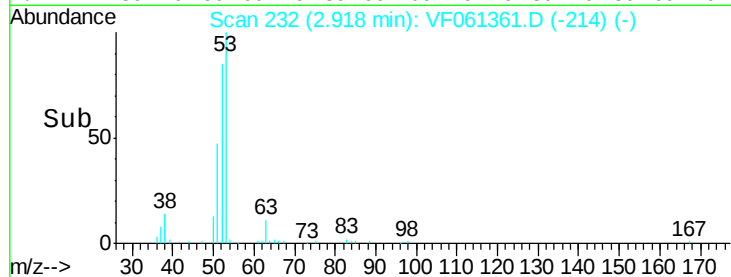
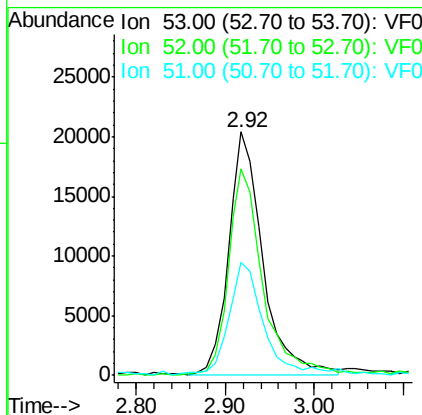
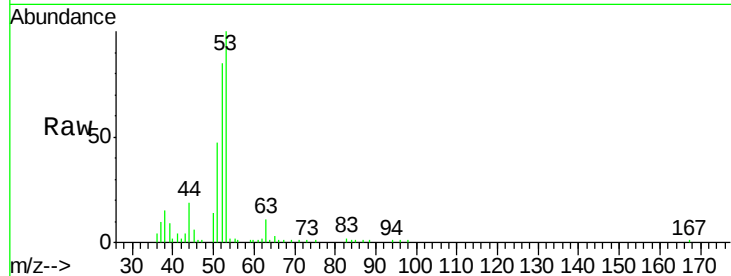
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	54909
Ion	Ratio	Lower	Upper
53	100		
52	84.6	74.6	111.8
51	46.7	37.8	56.6

Manual Integrations
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#16

Acetone

Concen: 275.786 ug/l

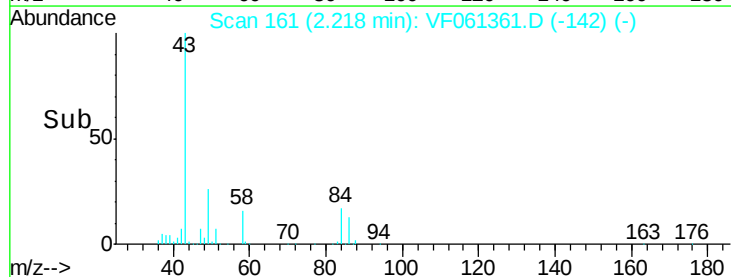
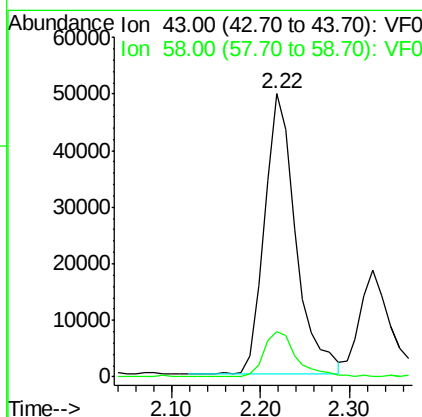
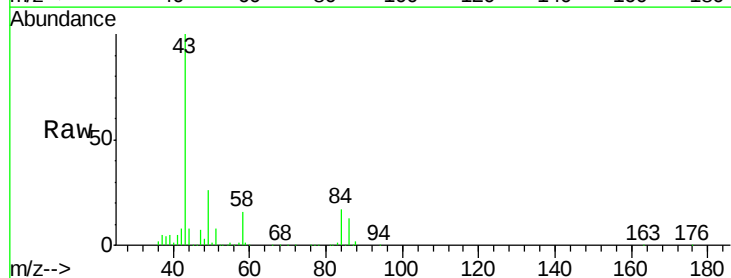
RT: 2.22 min Scan# 161

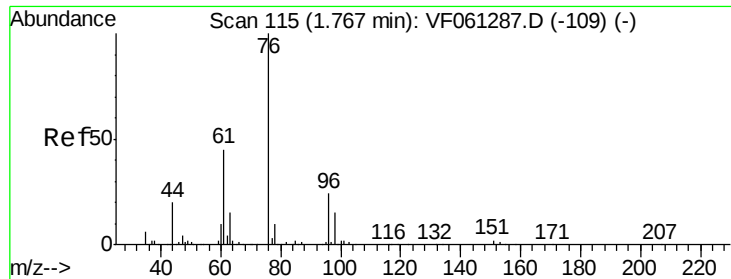
Delta R.T. -0.01 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Tgt Ion:	43	Resp:	120263
Ion	Ratio	Lower	Upper
43	100		
58	15.9	16.6	25.0#





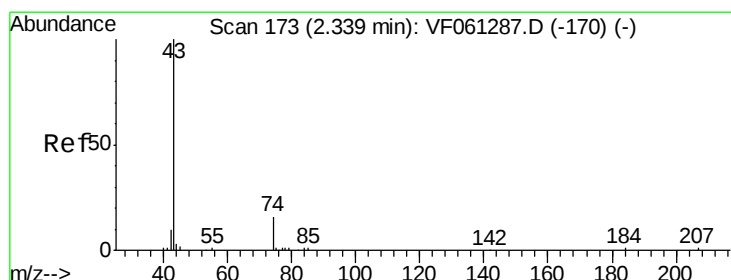
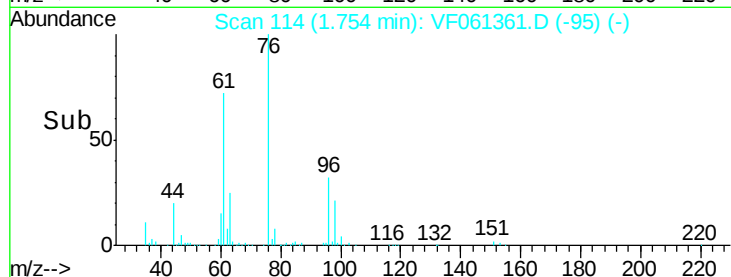
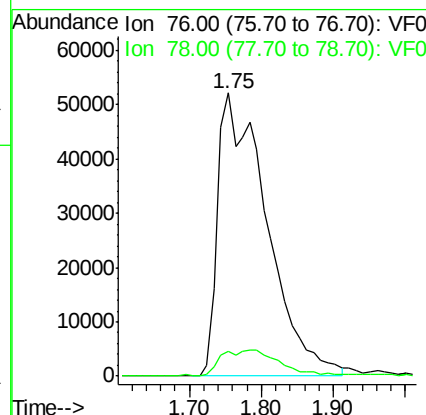
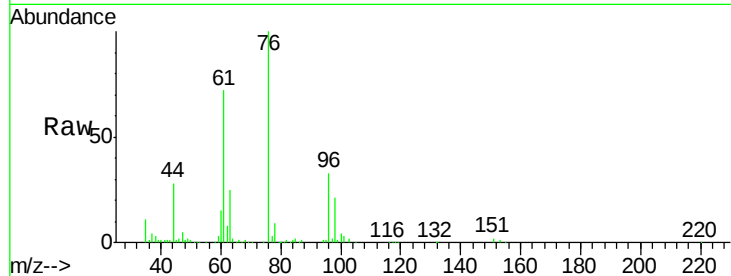
#17
Carbon Disulfide
Concen: 41.940 ug/l
RT: 1.75 min Scan# 114
Delta R.T. -0.01 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.8	11.6

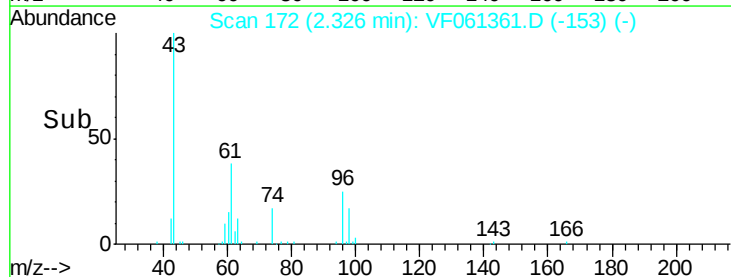
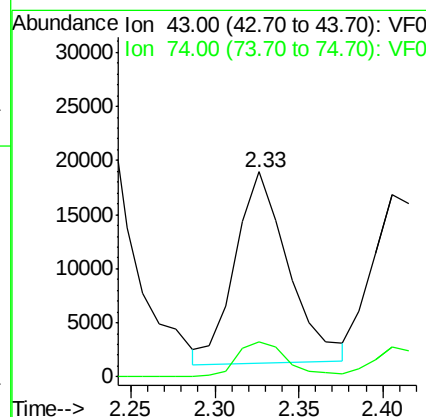
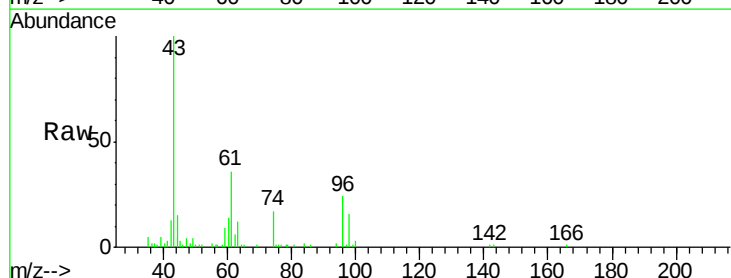
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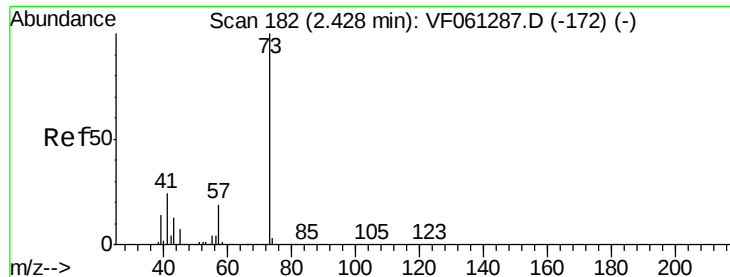
MMDadoda
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#18
Methyl Acetate
Concen: 45.714 ug/l
RT: 2.33 min Scan# 172
Delta R.T. -0.01 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.2	11.6	17.4





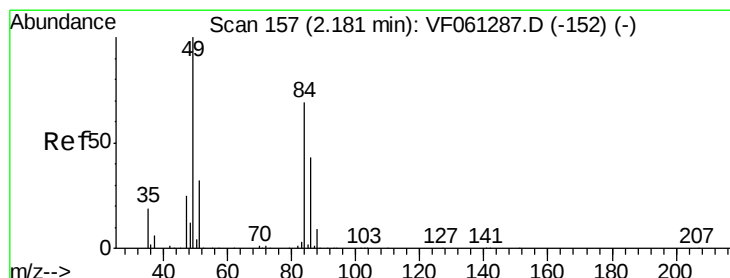
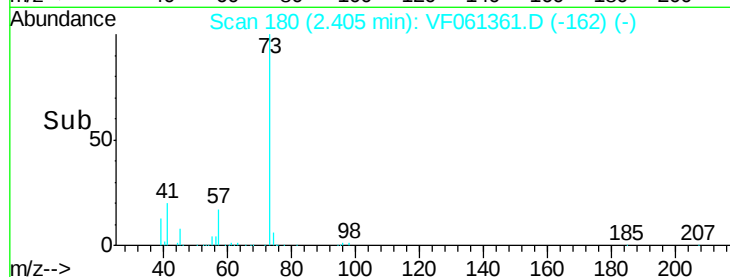
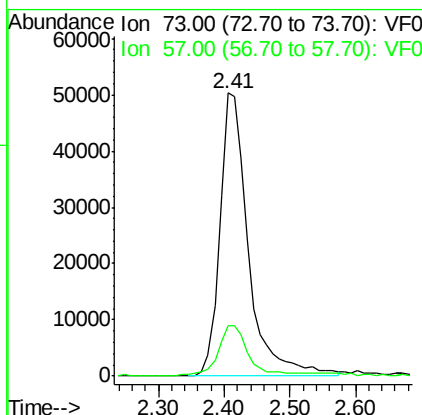
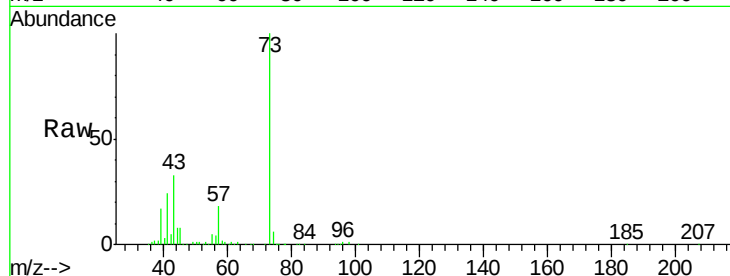
#19
Methvl tert-butvl Ether
Concen: 45.229 ug/l
RT: 2.41 min Scan# 180
Delta R.T. -0.02 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 152535
Ion Ratio Lower Upper
73 100
57 17.9 15.5 23.3

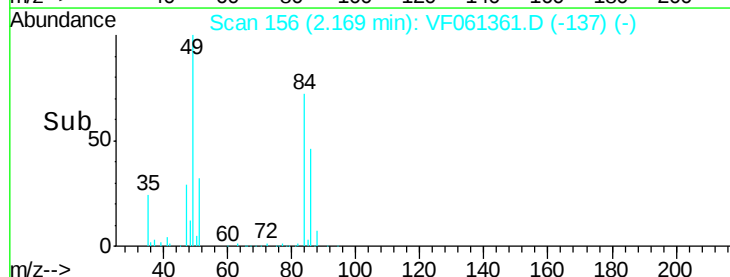
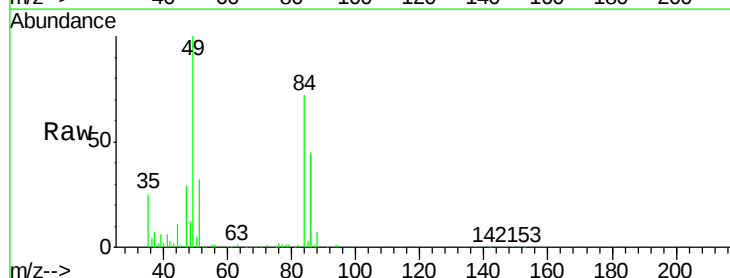
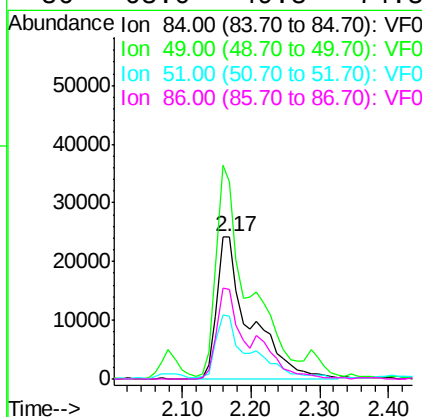
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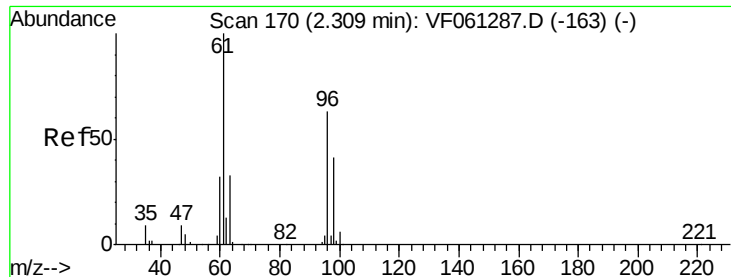
MMDadoda
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#20
Methylene Chloride
Concen: 43.803 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Tgt Ion: 84 Resp: 80809
Ion Ratio Lower Upper
84 100
49 138.7 116.6 175.0
51 44.1 37.7 56.5
86 63.0 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 46.405 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 87027

Ion Ratio Lower Upper

96 100

61 162.9 127.0 190.4

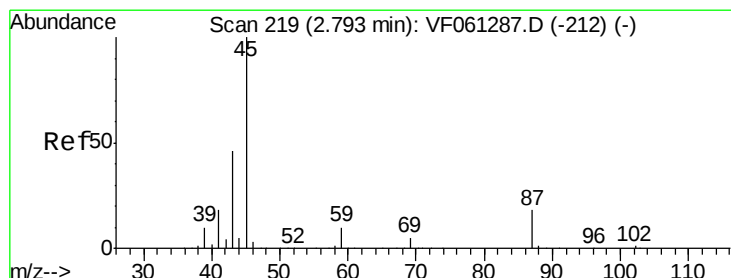
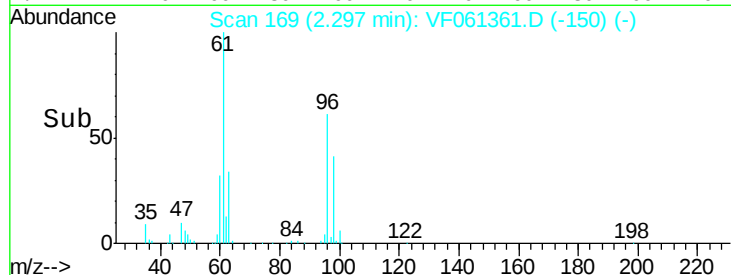
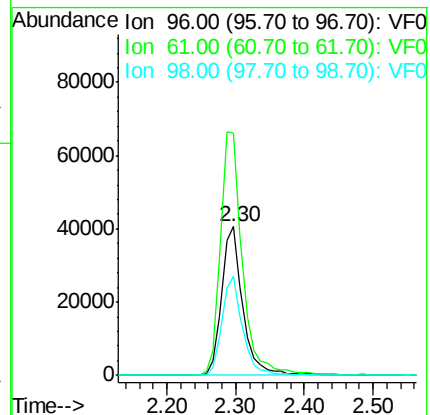
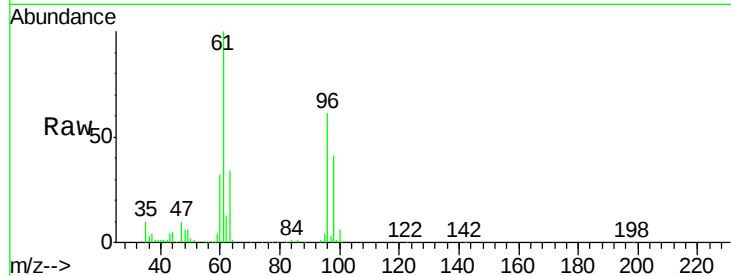
98 66.4 51.7 77.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 43.891 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.01 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Tgt Ion: 45 Resp: 274690

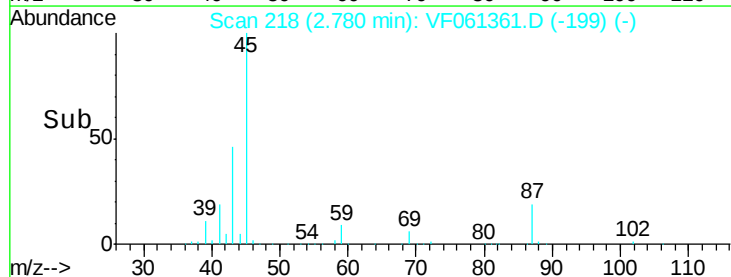
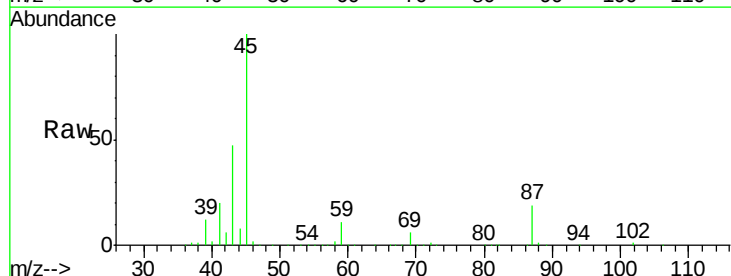
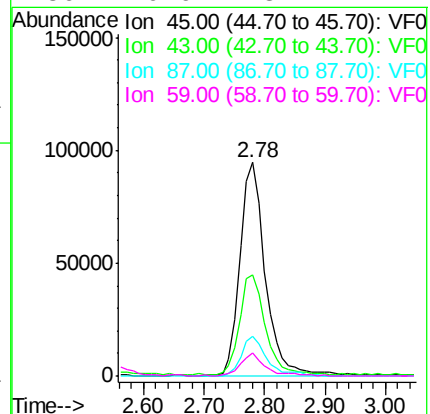
Ion Ratio Lower Upper

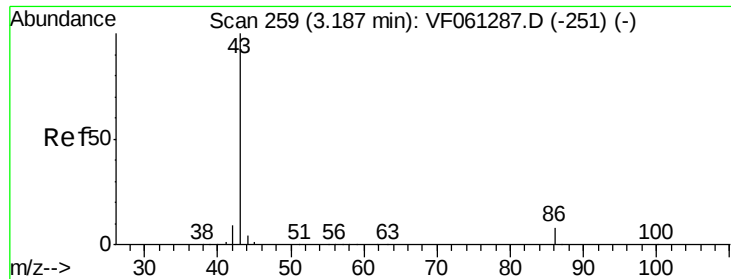
45 100

43 47.1 37.4 56.2

87 18.8 14.2 21.2

59 10.9 8.2 12.2





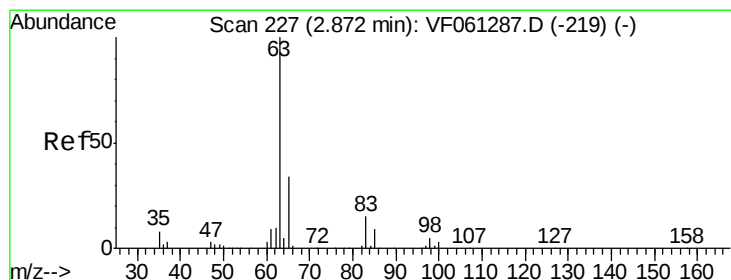
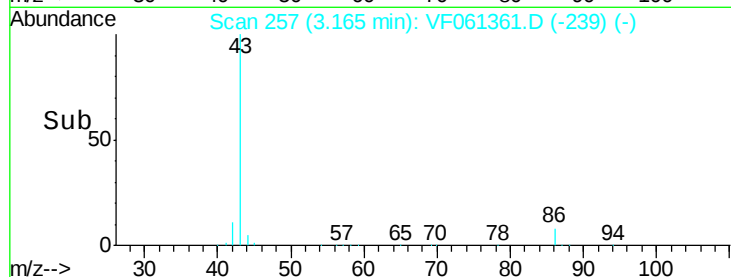
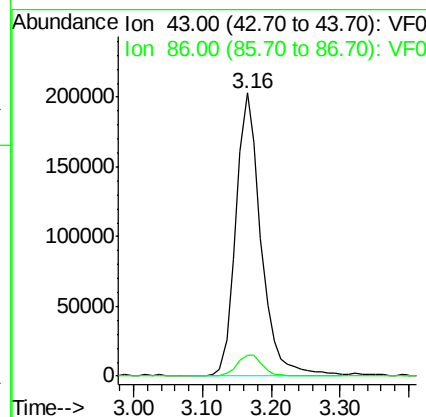
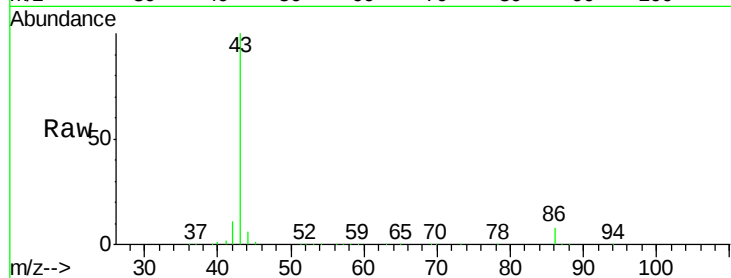
#23
 Vinyl Acetate
 Concen: 277.373 ug/l
 RT: 3.16 min Scan# 257
 Delta R.T. -0.02 min
 Lab File: VF061361.D
 Acq: 11 Jan 2019 11:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	507665
Ion Ratio	100	Lower	Upper
43	100		
86	7.6	6.5	9.7

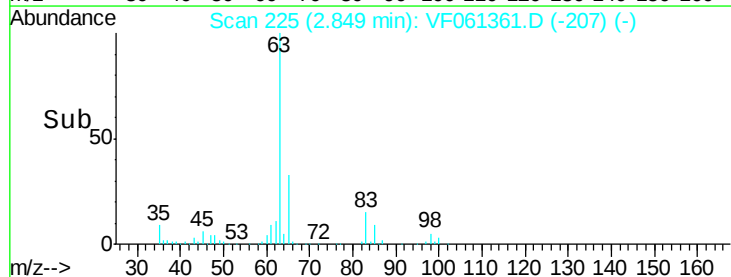
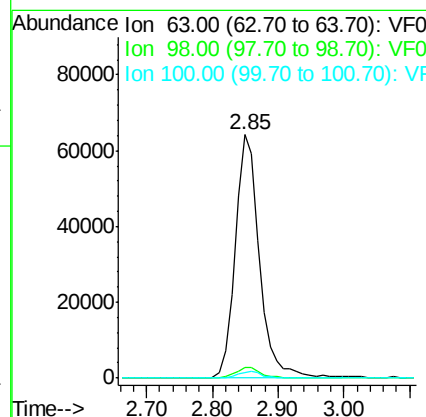
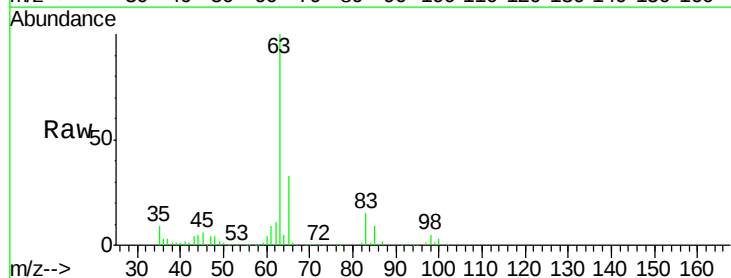
Manual Integrations
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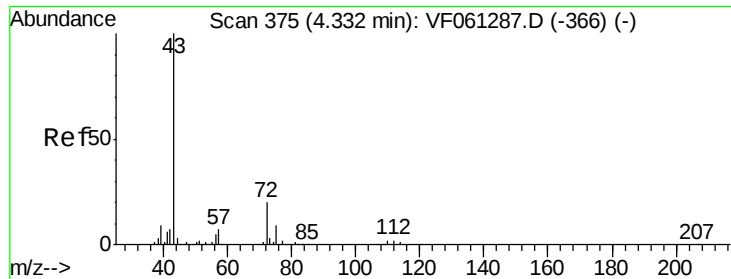
MMDadoda
 1/14/2019 1:16:27 PM



#24
 1,1-Dichloroethane
 Concen: 45.768 ug/l
 RT: 2.85 min Scan# 225
 Delta R.T. -0.02 min
 Lab File: VF061361.D
 Acq: 11 Jan 2019 11:37

Tgt Ion	63	Resp	165693
Ion Ratio	100	Lower	Upper
63	100		
98	4.6	2.5	7.6
100	2.5	1.7	5.0





#25

2-Butanone

Concen: 251.520 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.02 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Tot Ion: 43 Resp: 176531

Ion Ratio Lower Upper

43 100

72 20.1 16.5 24.7

Instrument :

MSVOA_F

ClientSampleId :

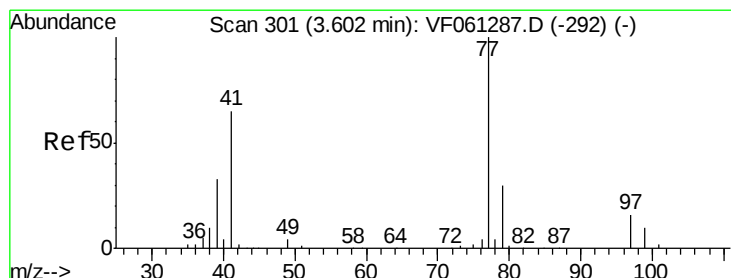
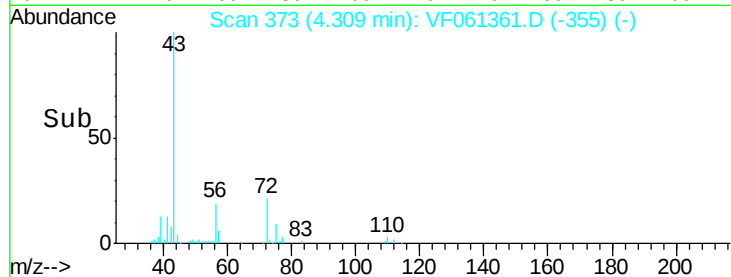
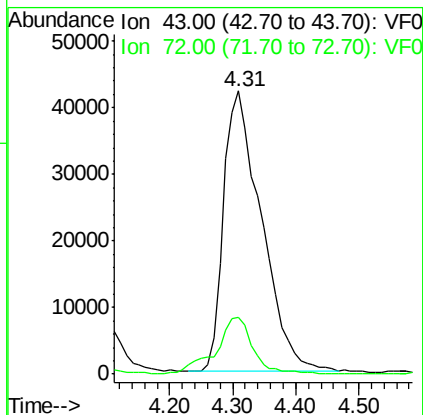
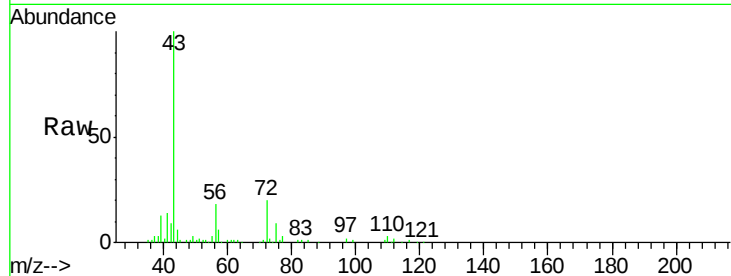
VSTDCCC050

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.399 ug/l

RT: 3.57 min Scan# 298

Delta R.T. -0.03 min

Lab File: VF061361.D

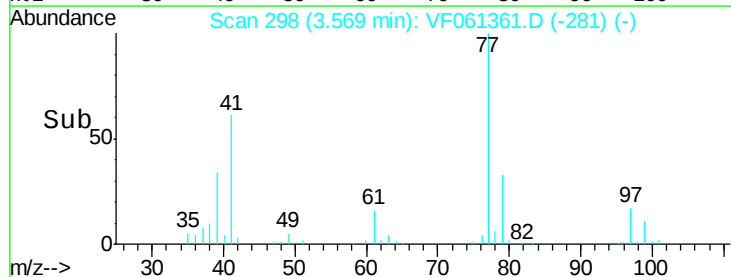
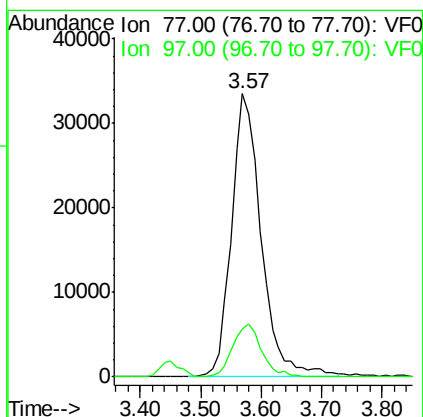
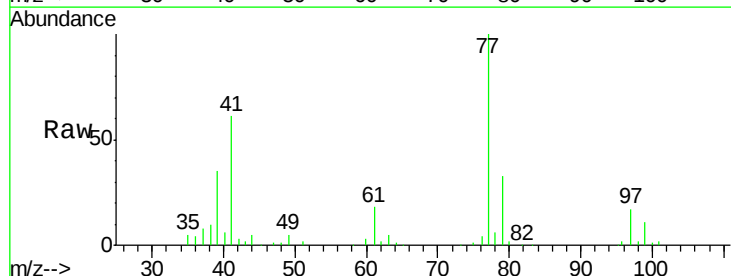
Acq: 11 Jan 2019 11:37

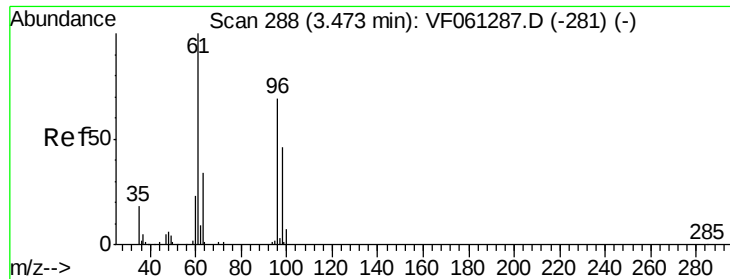
Tgt Ion: 77 Resp: 114668

Ion Ratio Lower Upper

77 100

97 17.0 8.6 25.9





#27

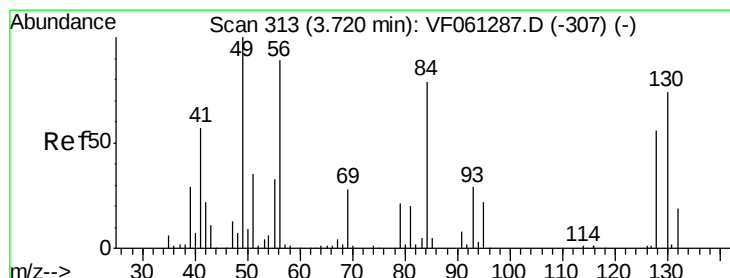
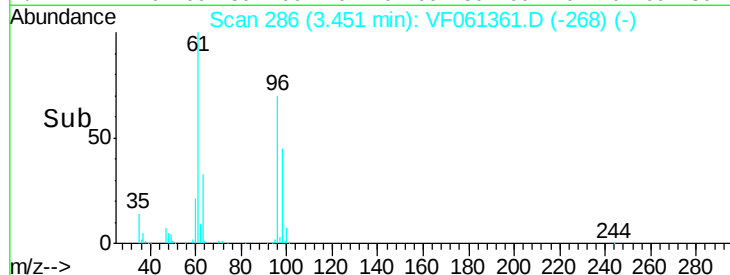
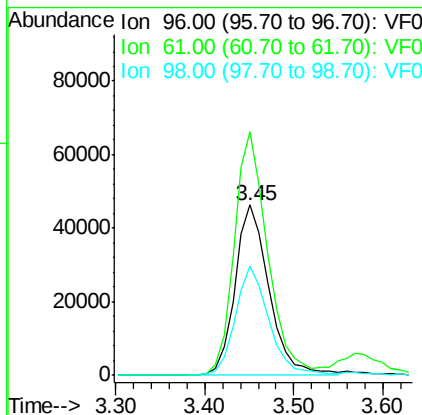
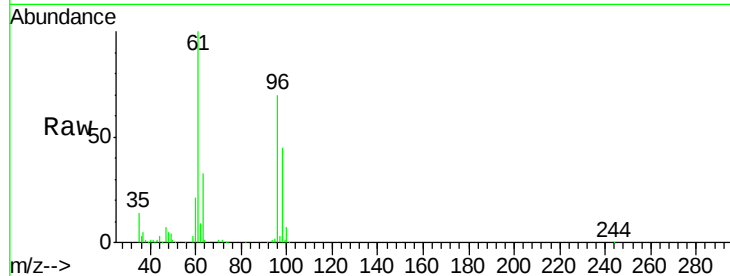
cis-1,2-Dichloroethene
Concen: 46.921 ug/l
RT: 3.45 min Scan# 286
Delta R.T. -0.02 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	122857		
61	143.0	0.0	288.2	
98	64.1	0.0	132.2	

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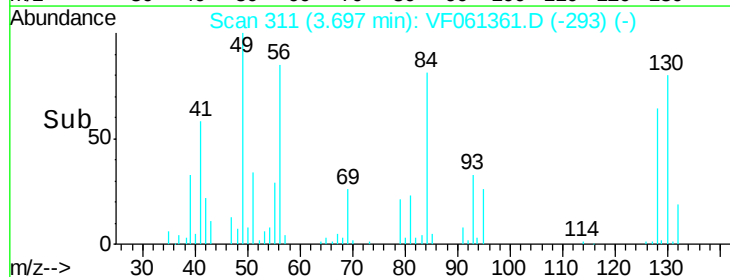
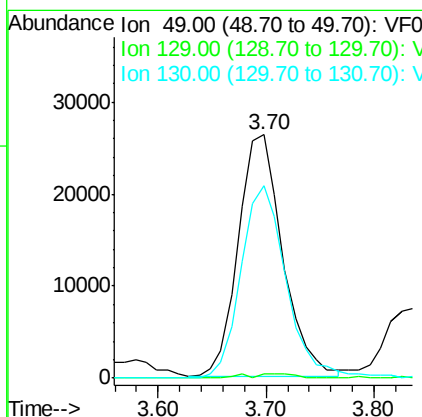
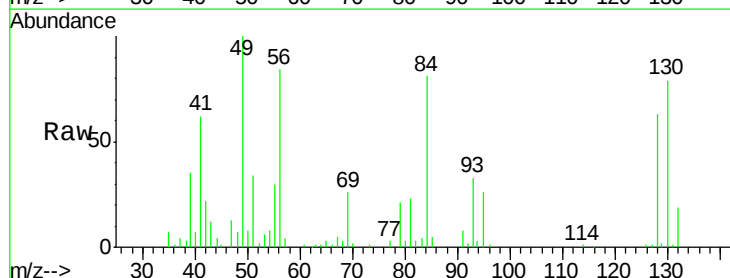
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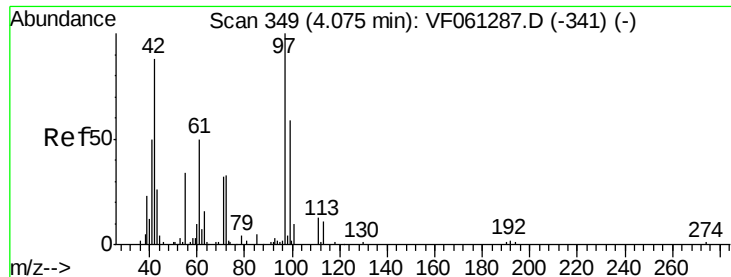


#28

Bromochloromethane
Concen: 47.011 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	75038		
129	1.7	0.0	0.0#	
130	78.9	58.6	88.0	





#29

Tetrahydrofuran

Concen: 234.733 ug/l

RT: 4.04 min Scan# 346

Delta R.T. -0.03 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

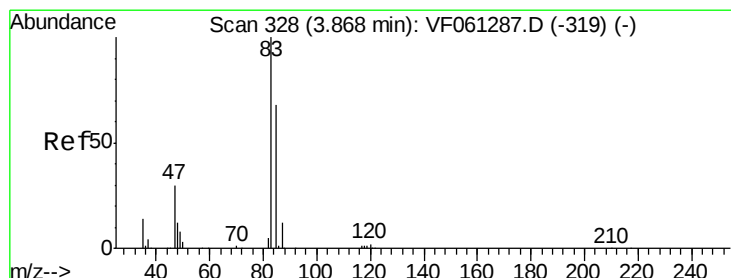
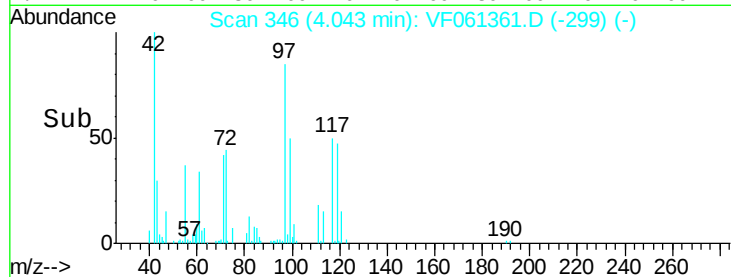
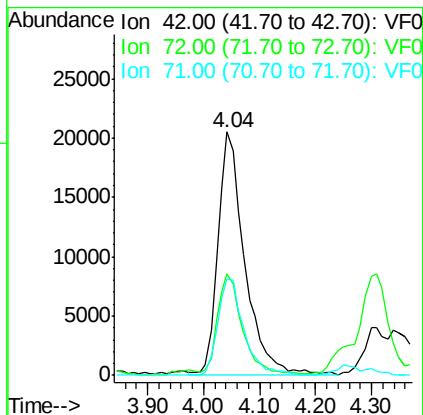
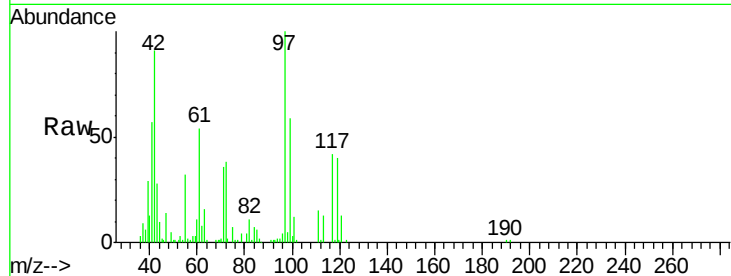
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	68883
Ion	Ratio	Lower	Upper
42	100		
72	39.2	32.3	48.5
71	38.4	29.5	44.3

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#30

Chloroform

Concen: 52.014 ug/l

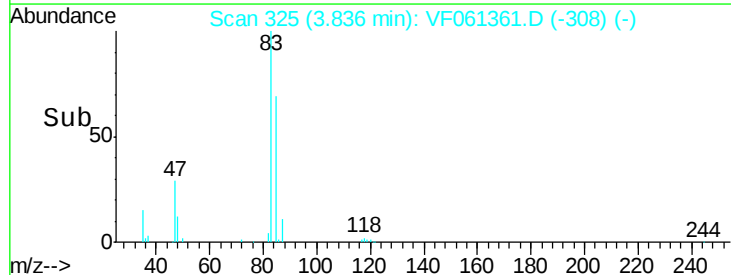
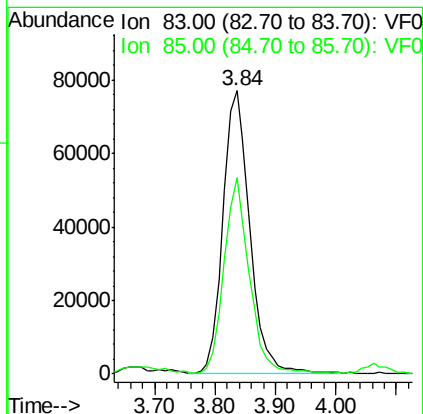
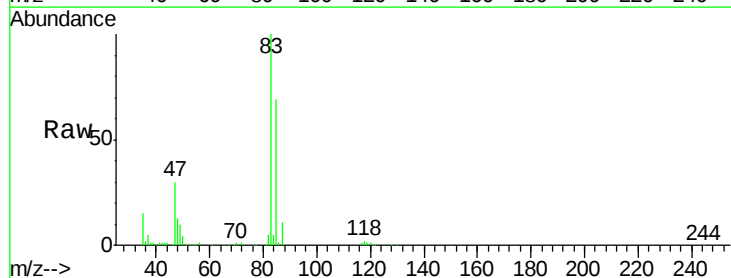
RT: 3.84 min Scan# 325

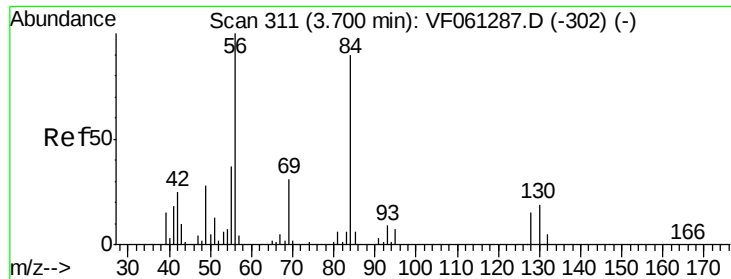
Delta R.T. -0.03 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Tgt Ion:	83	Resp:	239039
Ion	Ratio	Lower	Upper
83	100		
85	69.3	54.4	81.6





#31

Cyclohexane

Concen: 46.228 ug/l

RT: 3.67 min Scan# 308

Delta R.T. -0.03 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

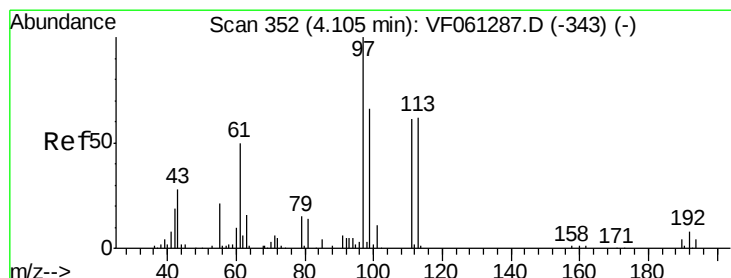
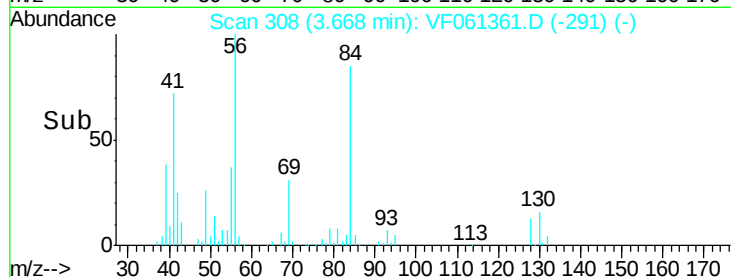
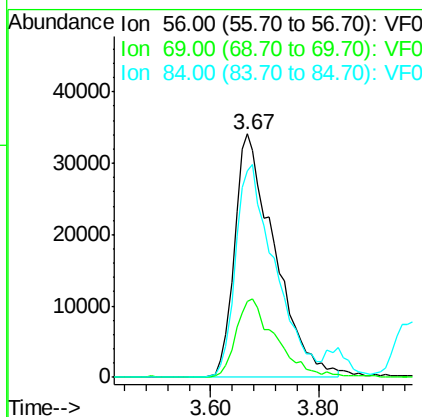
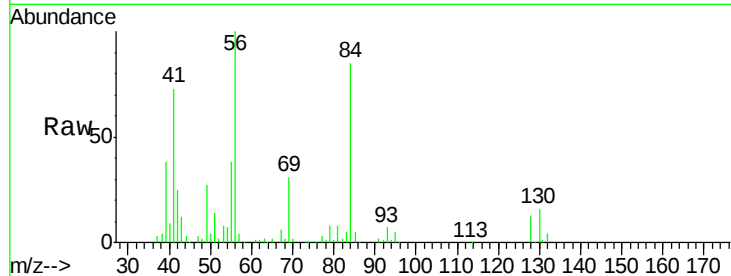
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	175572
Ion Ratio	Lower	Upper	
56	100		
69	31.2	24.7	37.1
84	84.9	72.2	108.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.802 ug/l

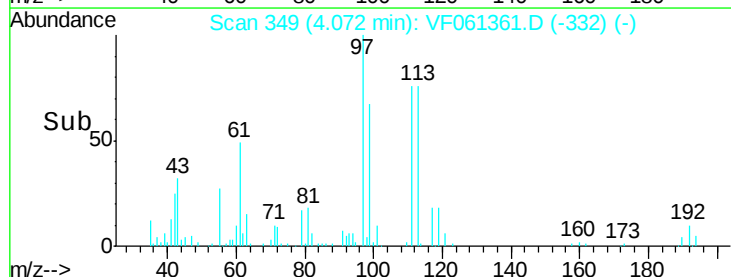
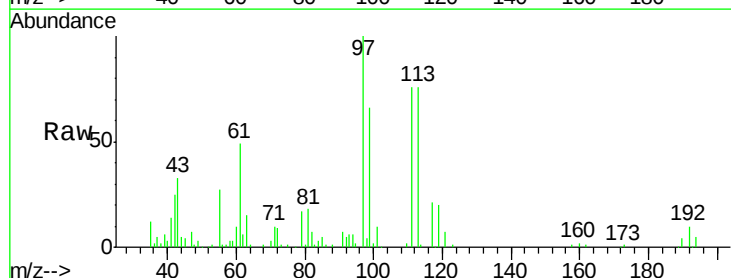
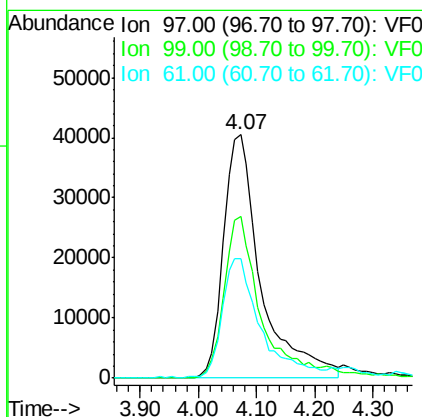
RT: 4.07 min Scan# 349

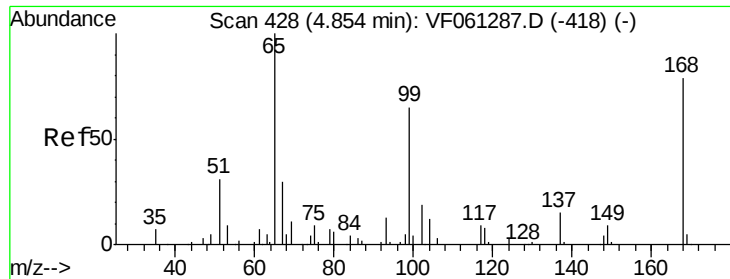
Delta R.T. -0.03 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Tgt Ion:	97	Resp:	181156
Ion Ratio	Lower	Upper	
97	100		
99	66.4	52.7	79.1
61	49.2	40.8	61.2





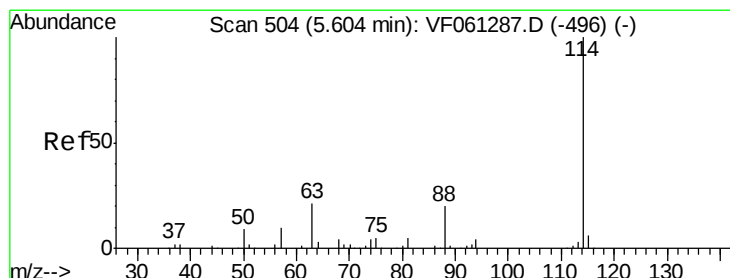
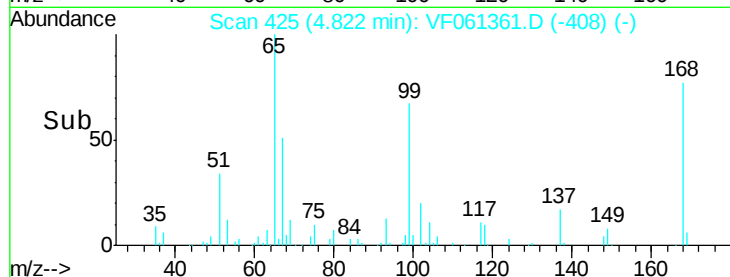
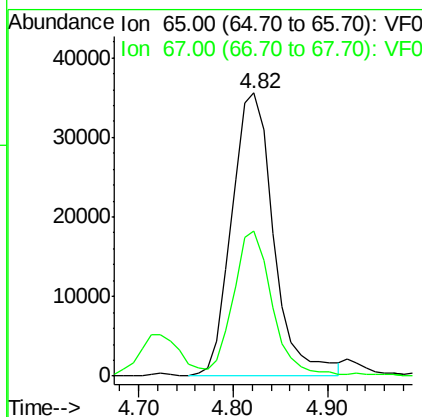
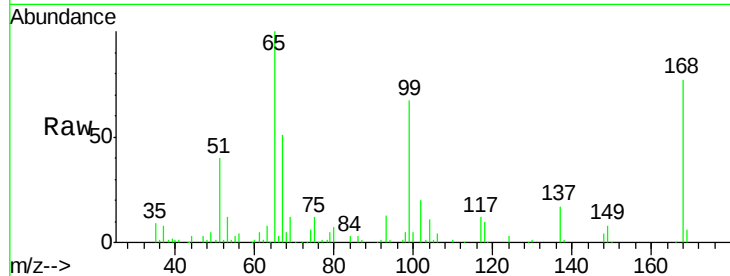
#33
 1,2-Dichloroethane-d4
 Concen: 58.045 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.03 min
 Lab File: VF061361.D
 Acq: 11 Jan 2019 11:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	108809		
67	51.1	0.0	98.2	

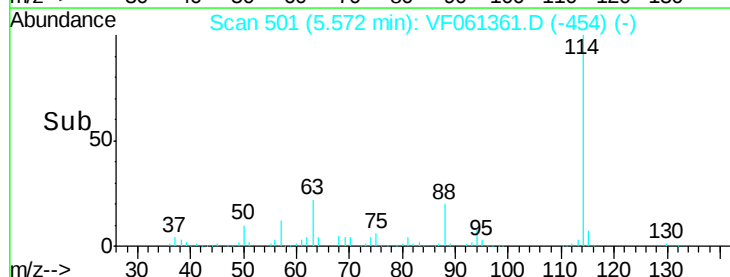
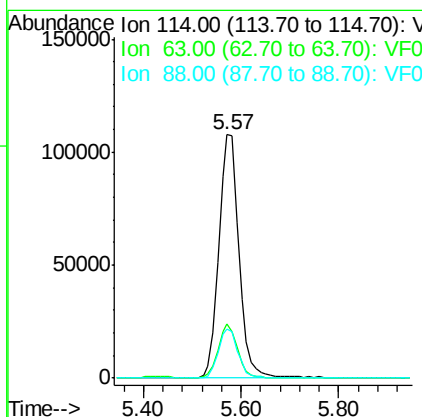
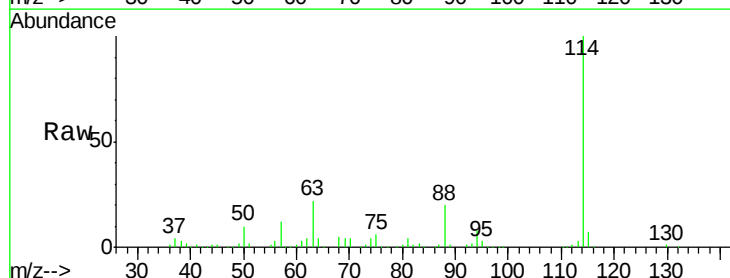
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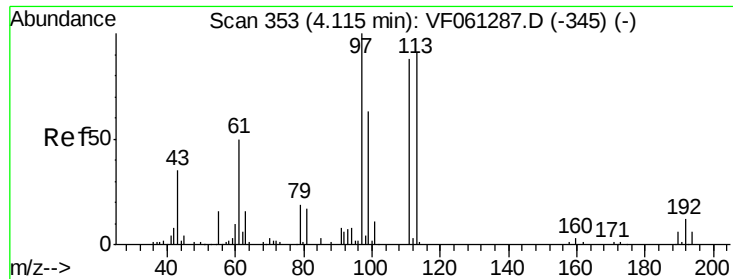
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.03 min
 Lab File: VF061361.D
 Acq: 11 Jan 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	310673		
63	22.4	0.0	42.8	
88	20.0	0.0	40.0	





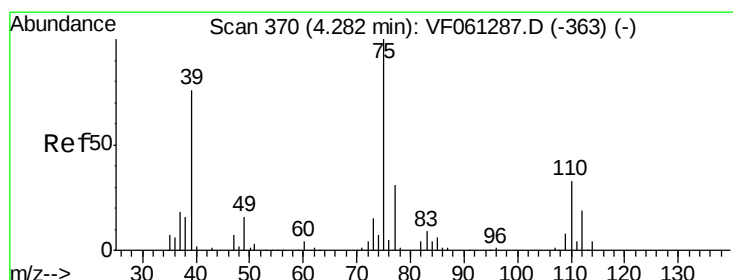
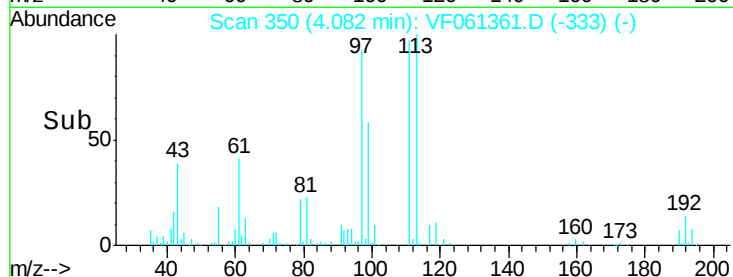
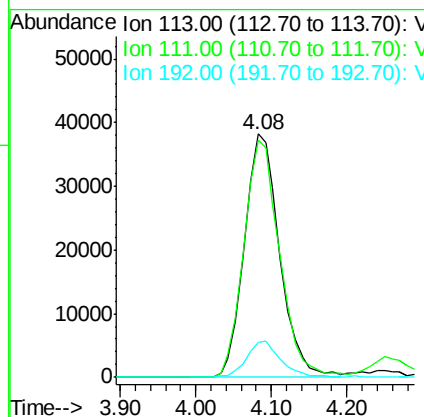
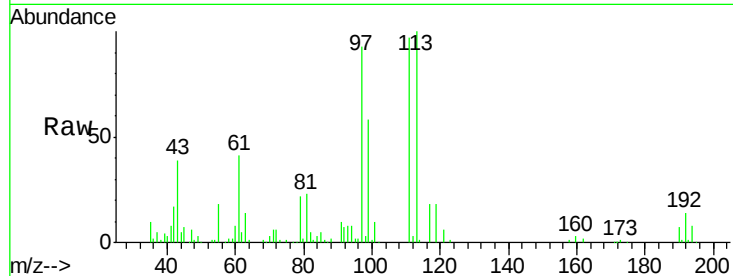
#35
Dibromofluoromethane
Concen: 52.116 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.03 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	123889		
111	97.3	78.0	117.0	
192	14.3	10.6	16.0	

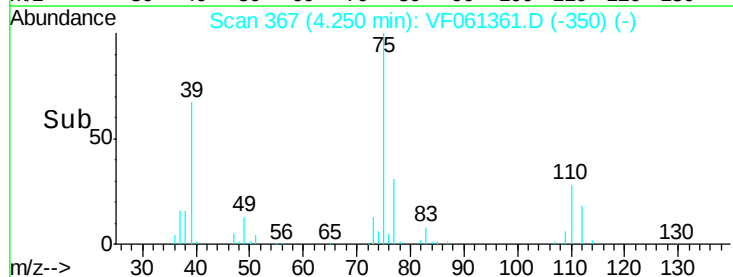
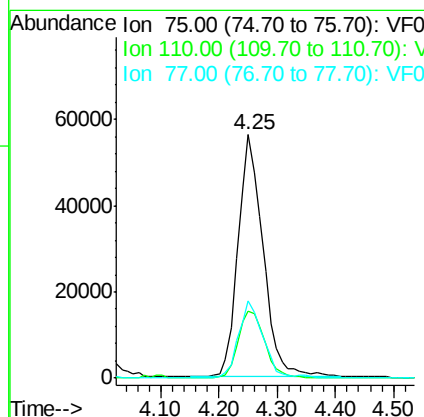
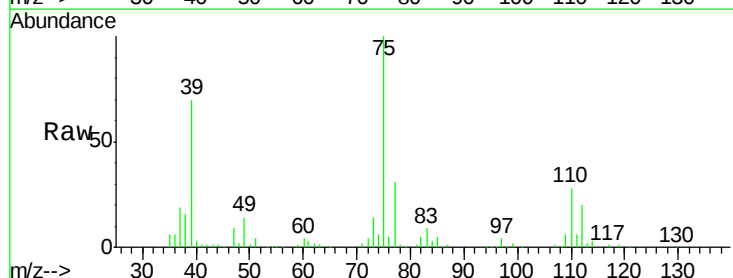
Manual Integrations
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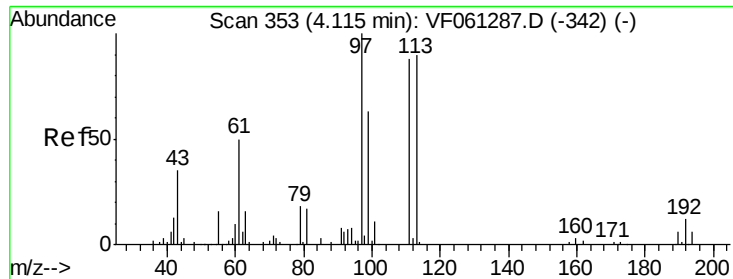
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#36
1,1-Dichloropropene
Concen: 46.645 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.03 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	169223		
110	27.7	16.6	49.8	
77	31.5	25.1	37.7	





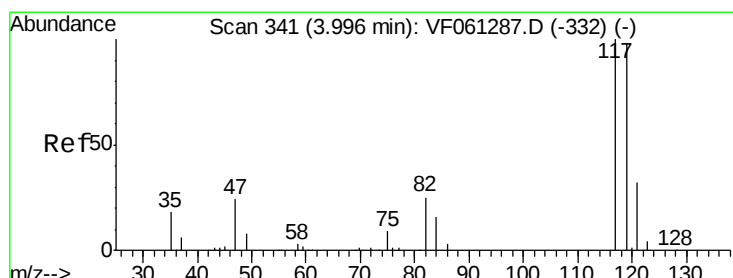
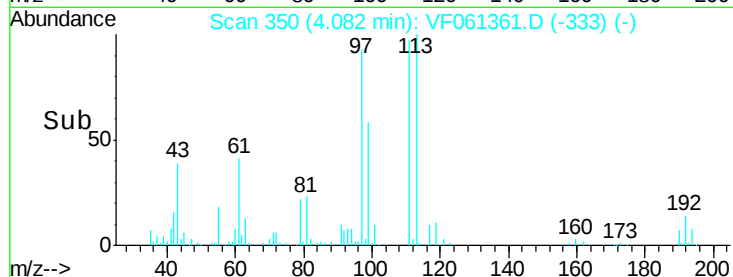
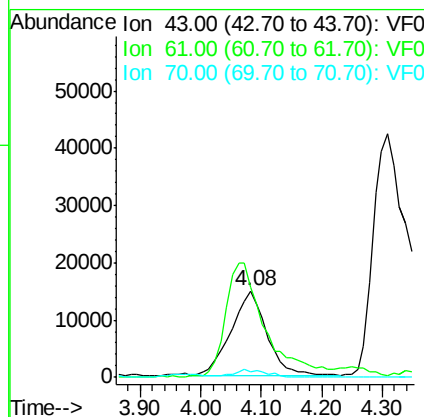
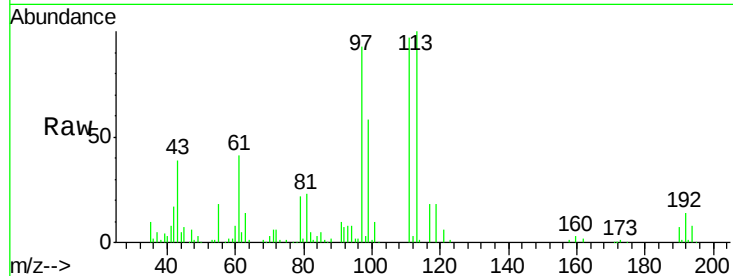
#37
Ethyl Acetate
Concen: 46.074 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.03 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	105.1	113.3	169.9#			
70	6.4	9.4	14.0#			

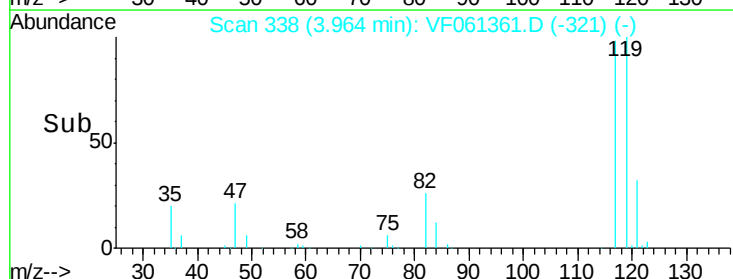
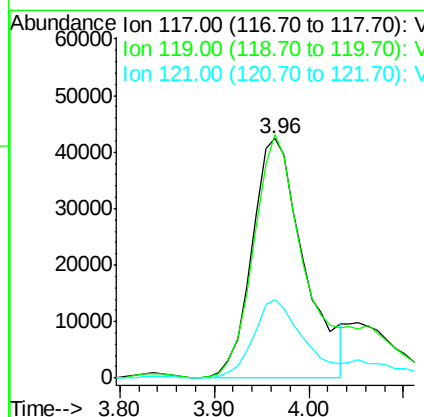
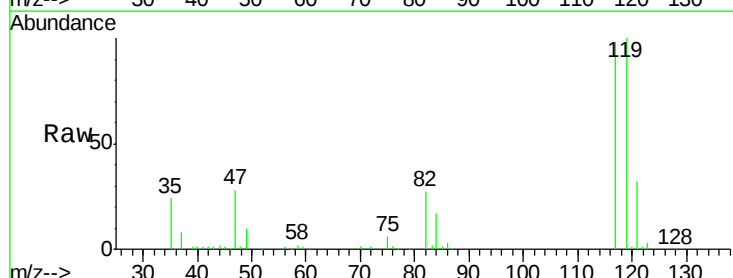
Manual Integrations
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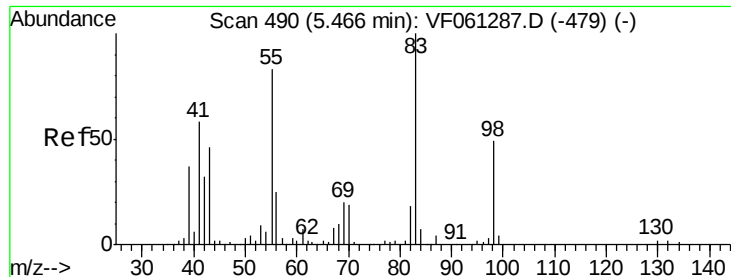
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#38
Carbon Tetrachloride
Concen: 46.863 ug/l
RT: 3.96 min Scan# 338
Delta R.T. -0.03 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	101.7	78.5	117.7			
121	32.9	25.3	37.9			





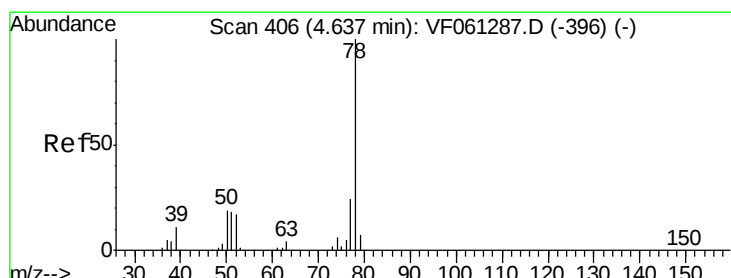
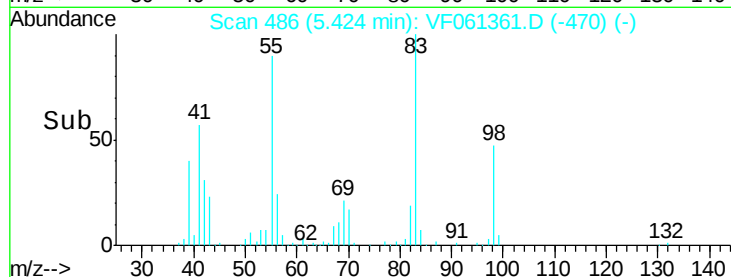
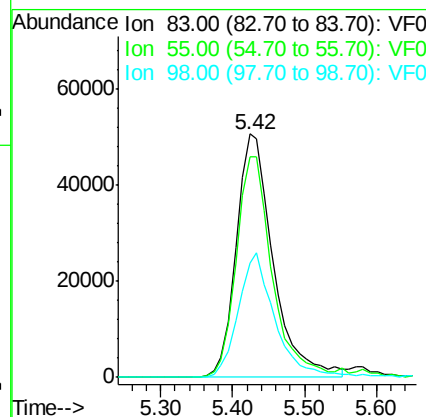
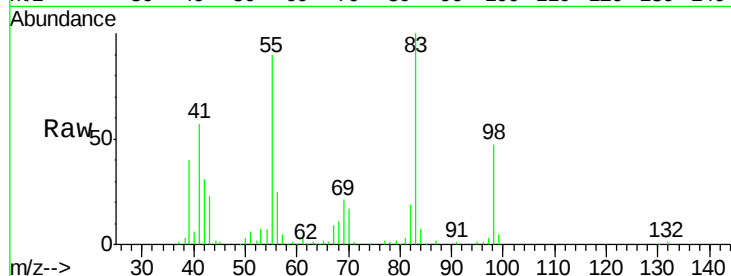
#39
Methvlcvclohexane
Concen: 39.819 ug/l
RT: 5.42 min Scan# 486
Delta R.T. -0.04 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	180757		
55	90.5	66.4	99.6	
98	46.9	39.1	58.7	

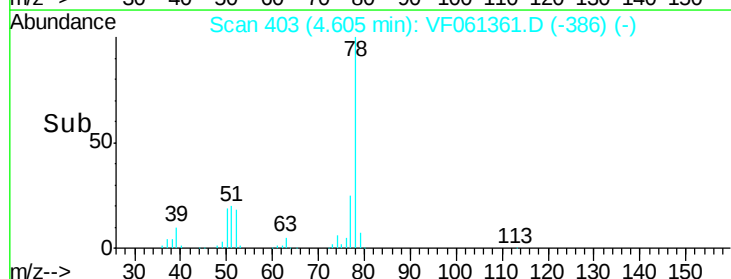
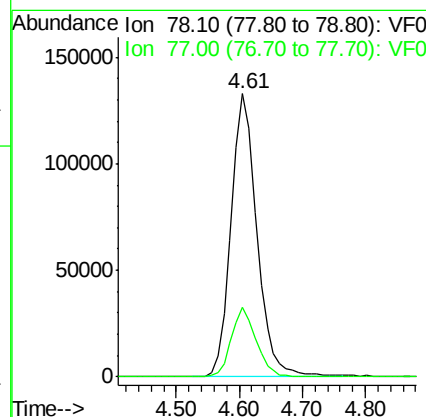
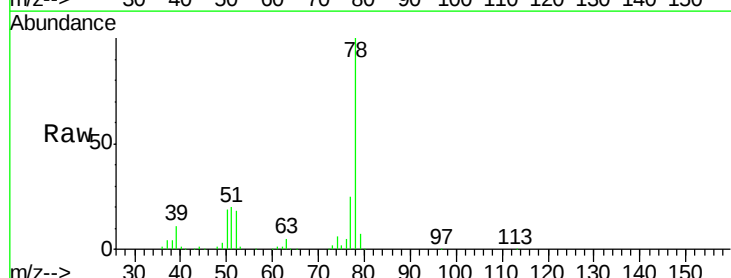
Manual Integrations
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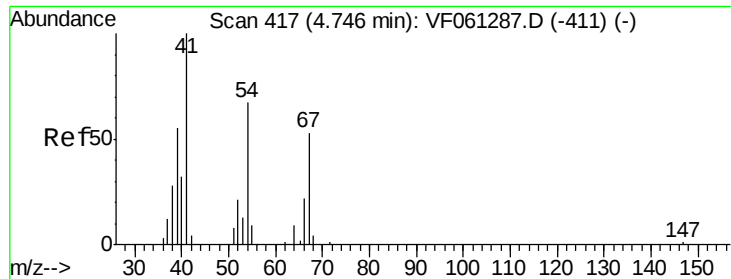
MMDadoda
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#40
Benzene
Concen: 44.678 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.03 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	378423		
77	24.7	19.1	28.7	





#41

Methacrylonitrile

Concen: 47.685 ug/l

RT: 4.72 min Scan# 415

Delta R.T. -0.02 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

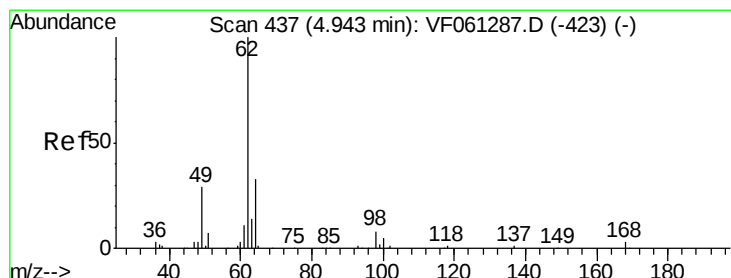
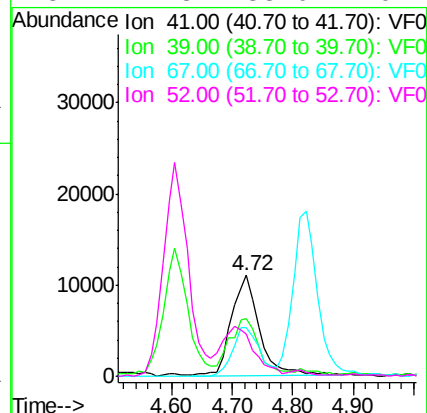
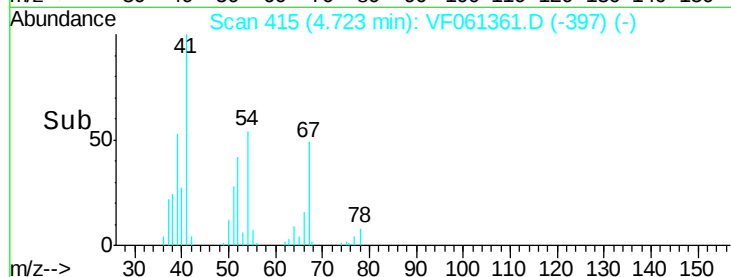
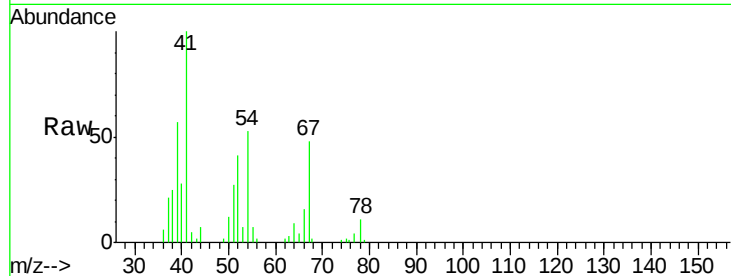
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	35181
Ion Ratio	Lower	Upper	
41	100		
39	56.9	52.7	79.1
67	47.7	41.4	62.2
52	41.3	33.0	49.4

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 50.980 ug/l

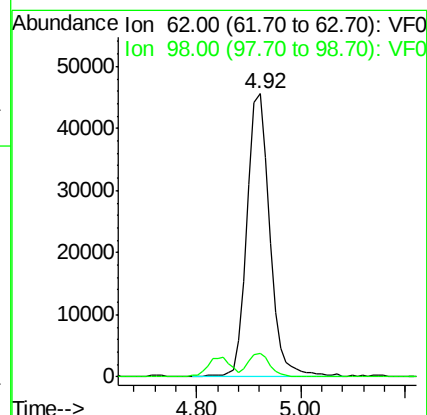
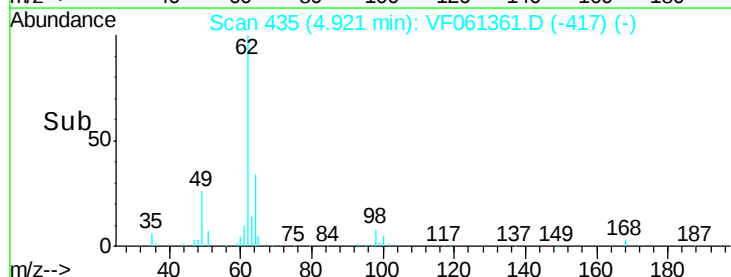
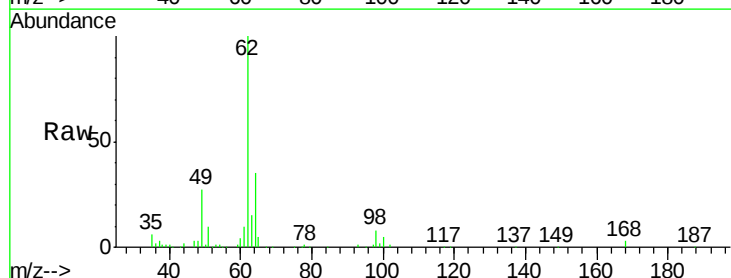
RT: 4.92 min Scan# 435

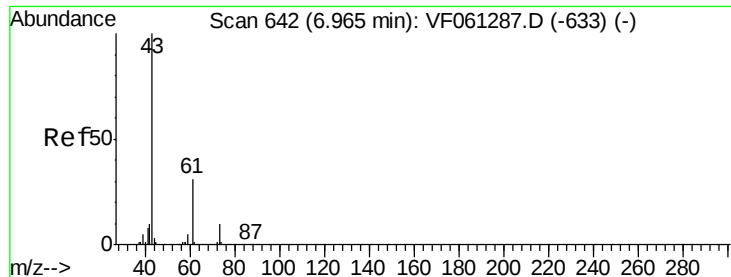
Delta R.T. -0.02 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Tgt Ion:	62	Resp:	134432
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	16.8





#43

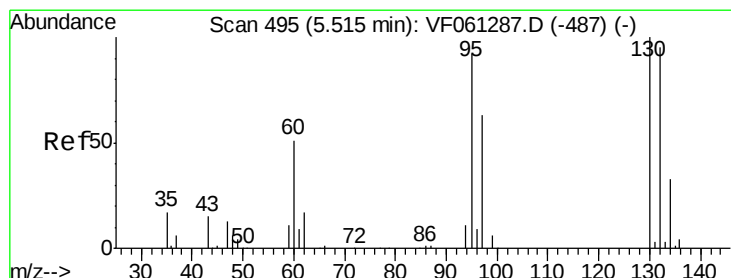
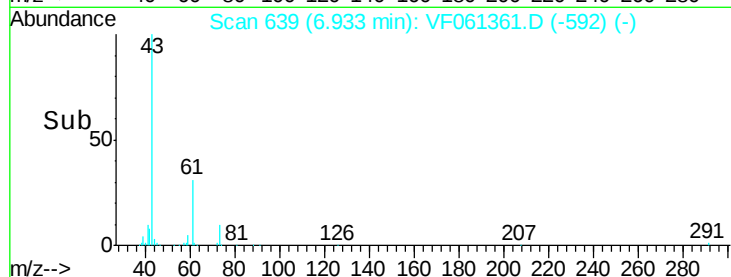
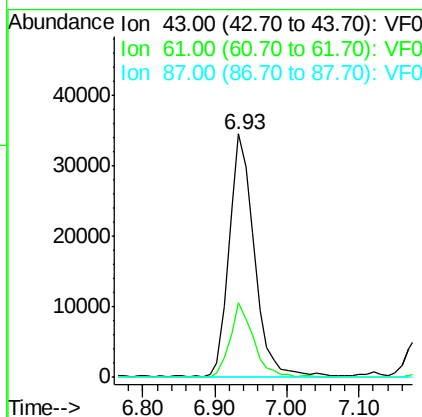
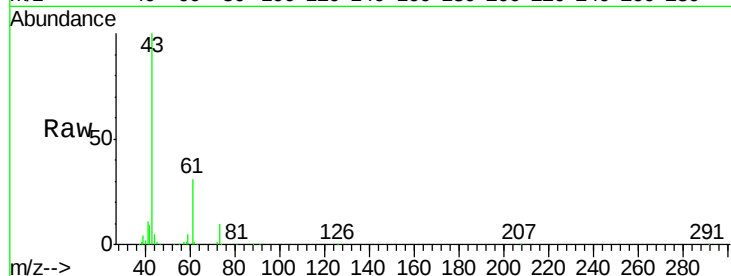
Isopropyl Acetate
 Concen: 48.540 ug/l
 RT: 6.93 min Scan# 639
 Delta R.T. -0.03 min
 Lab File: VF061361.D
 Acq: 11 Jan 2019 11:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.6	24.3	36.5
87	0.0	0.2	0.4

Manual Integrations
 APPROVED

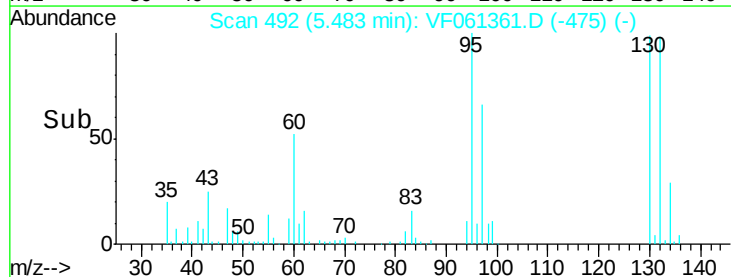
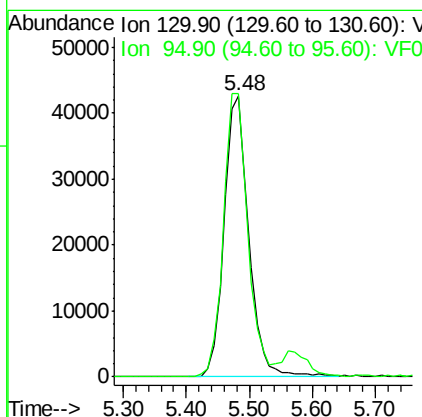
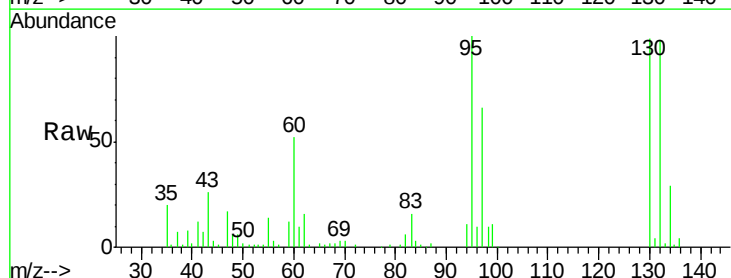
MMDadoda
 1/14/2019 1:16:27 PM

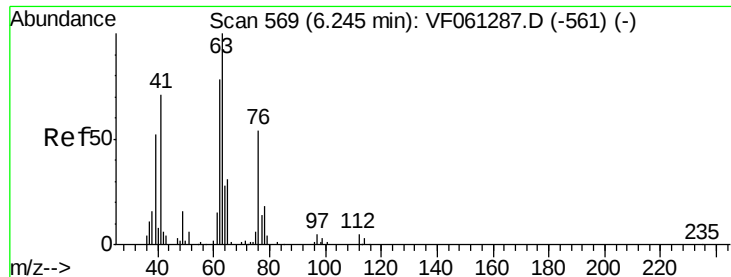


#44

Trichloroethene
 Concen: 46.540 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.03 min
 Lab File: VF061361.D
 Acq: 11 Jan 2019 11:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	184.4





#45

1,2-Dichloropropane

Concen: 48.154 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.03 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 103719

Ion Ratio Lower Upper

63 100

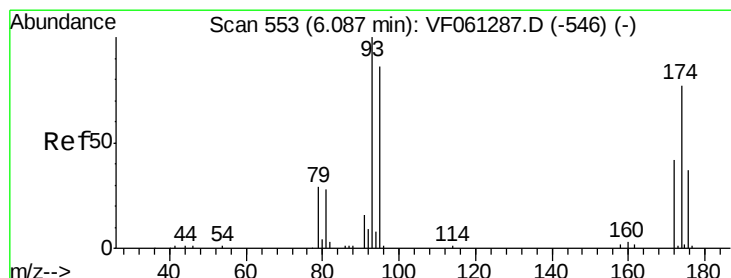
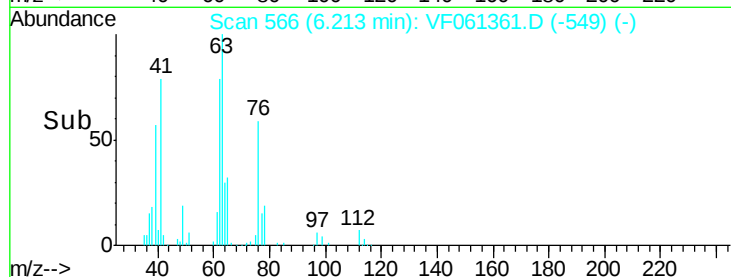
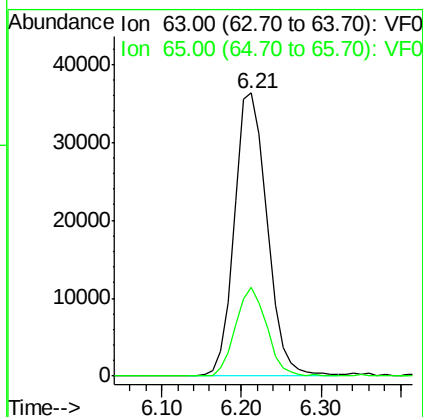
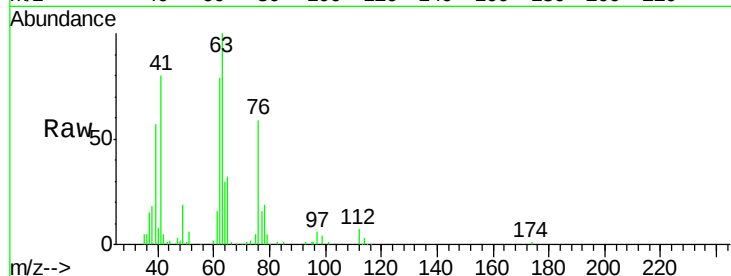
65 31.5 25.1 37.7

Manual Integrations

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#46

Dibromomethane

Concen: 50.240 ug/l

RT: 6.06 min Scan# 550

Delta R.T. -0.03 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

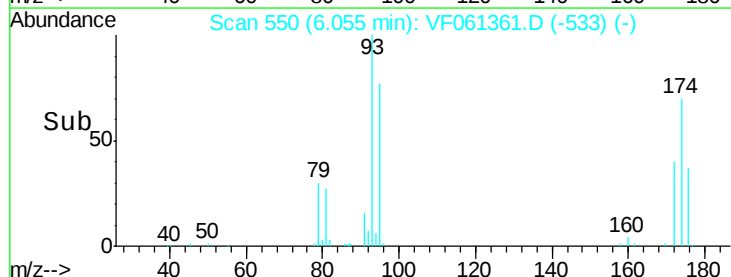
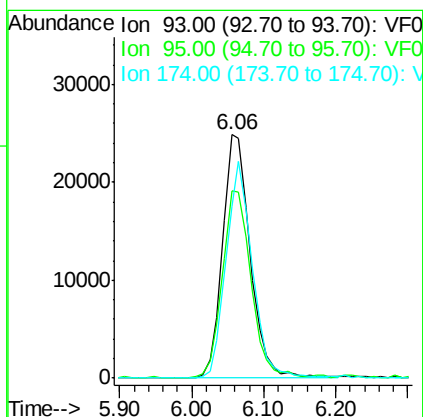
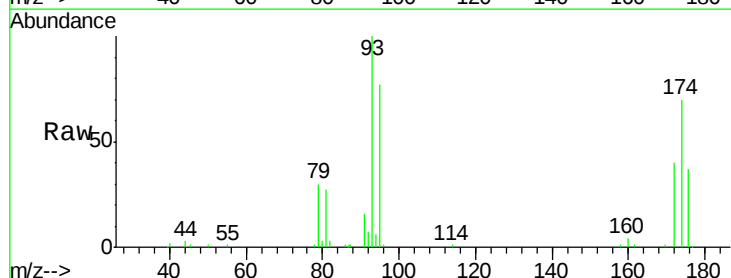
Tgt Ion: 93 Resp: 66440

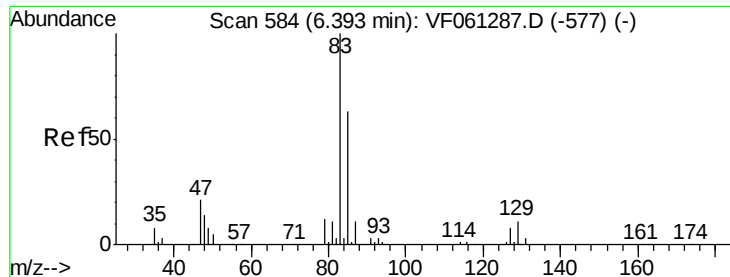
Ion Ratio Lower Upper

93 100

95 76.9 68.8 103.2

174 70.5 62.9 94.3





#47

Bromodichloromethane

Concen: 52.091 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.03 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

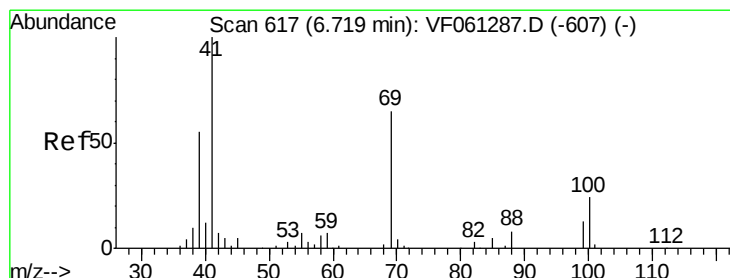
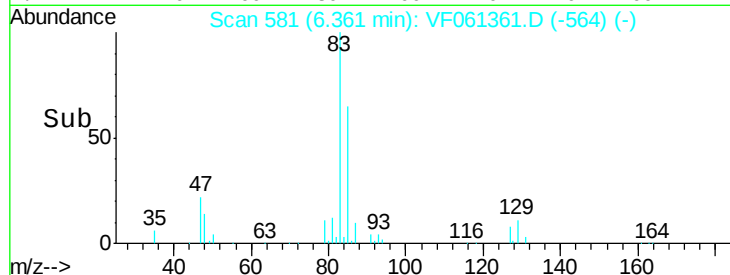
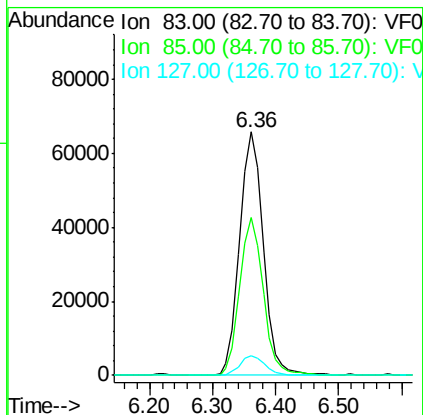
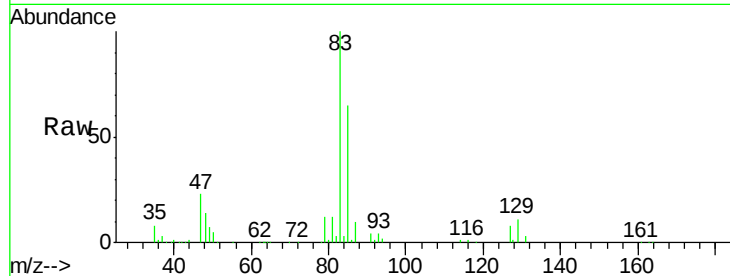
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	171326
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.4	75.6
127	8.2	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.989 ug/l

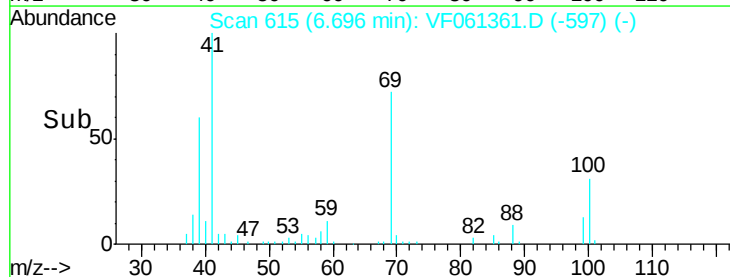
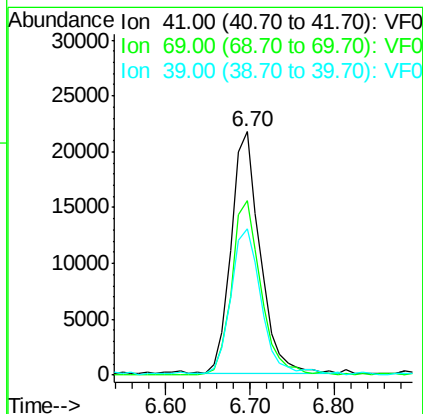
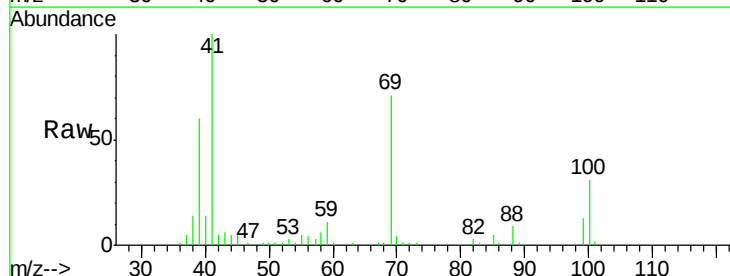
RT: 6.70 min Scan# 615

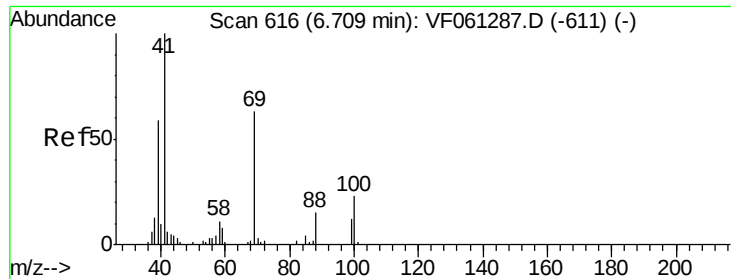
Delta R.T. -0.02 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Tgt Ion:	41	Resp:	52067
Ion	Ratio	Lower	Upper
41	100		
69	71.4	51.5	77.3
39	60.2	44.1	66.1





#49

1,4-Dioxane

Concen: 938.294 ug/l

RT: 6.69 min Scan# 614

Delta R.T. -0.02 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

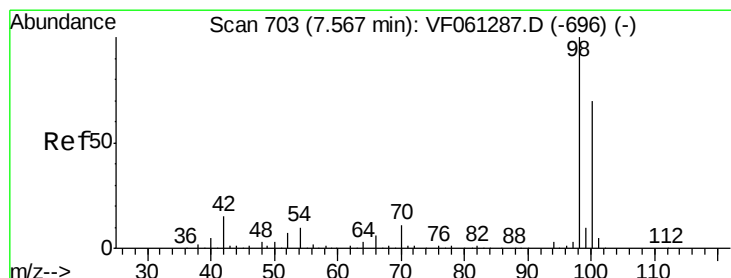
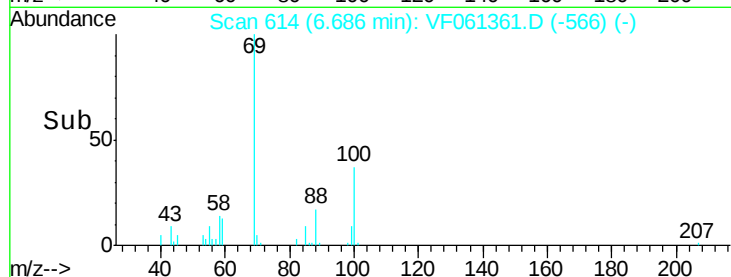
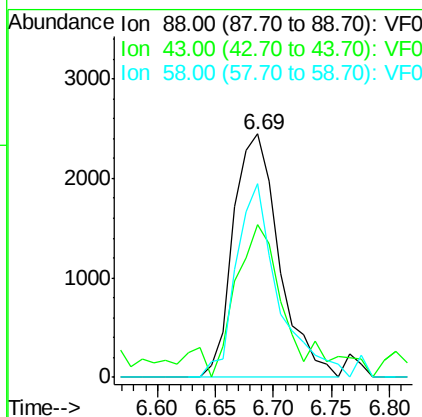
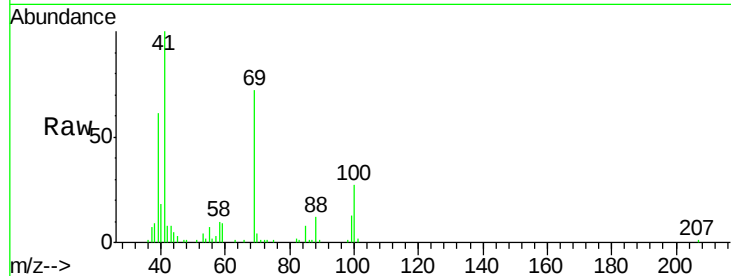
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	6703
Ion	Ratio	Lower	Upper
88	100		
43	62.6	38.5	57.7#
58	79.8	57.0	85.4

Manual Integrations
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#50

Toluene-d8

Concen: 52.085 ug/l

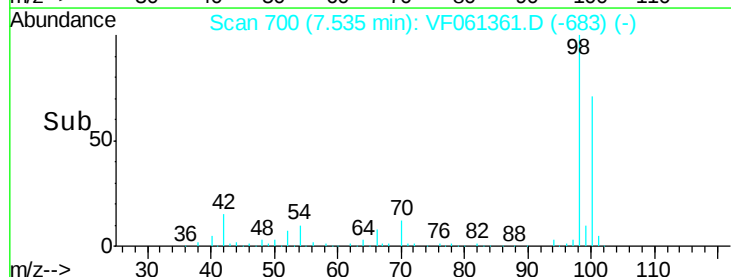
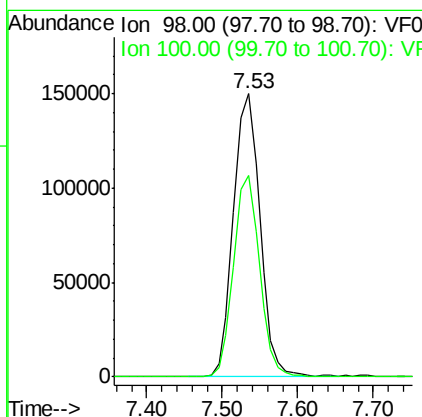
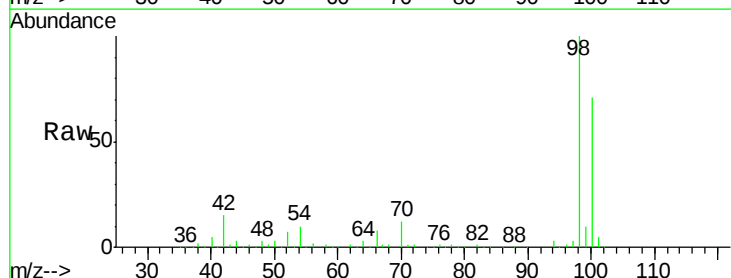
RT: 7.53 min Scan# 700

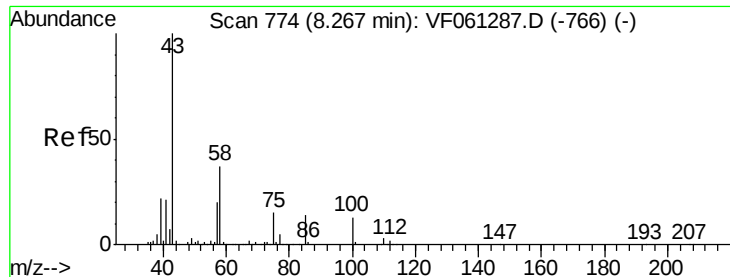
Delta R.T. -0.03 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Tgt Ion:	98	Resp:	366400
Ion	Ratio	Lower	Upper
98	100		
100	71.1	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 232.193 ug/l

RT: 8.24 min Scan# 771

Delta R.T. -0.03 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 305691

Ion Ratio Lower Upper

43 100

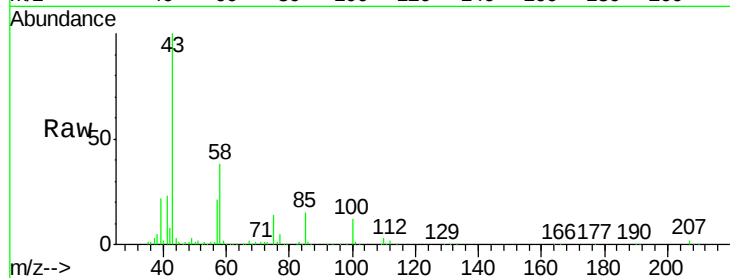
58 37.5 29.6 44.4

Manual Integrations

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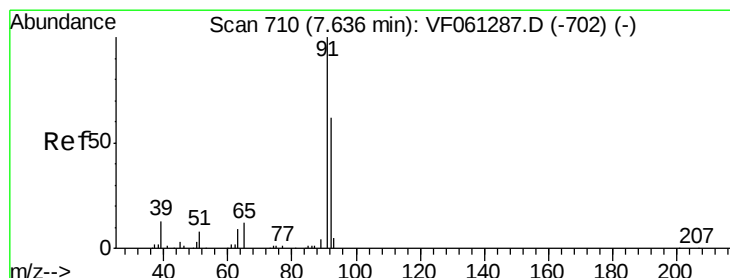
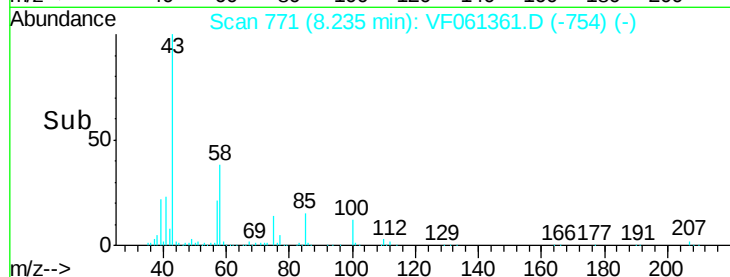
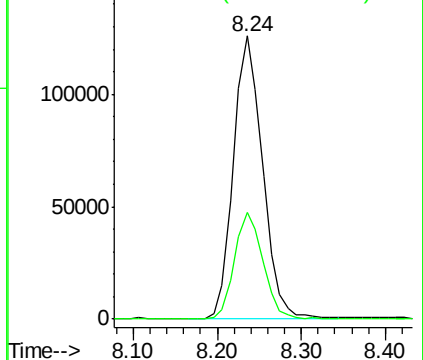
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 45.805 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF061361.D

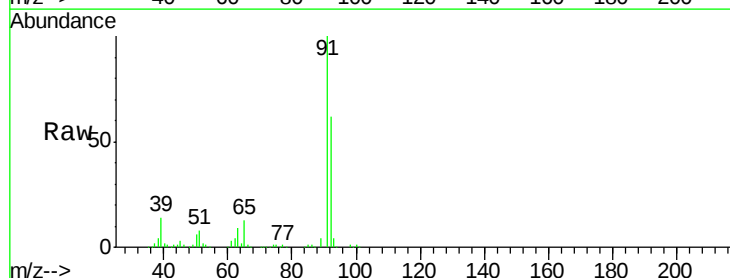
Acq: 11 Jan 2019 11:37

Tgt Ion: 92 Resp: 249367

Ion Ratio Lower Upper

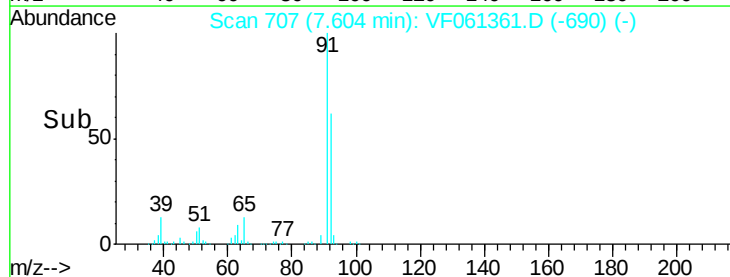
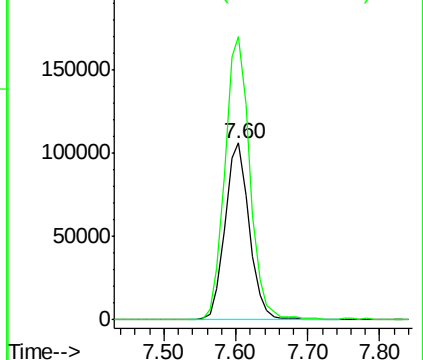
92 100

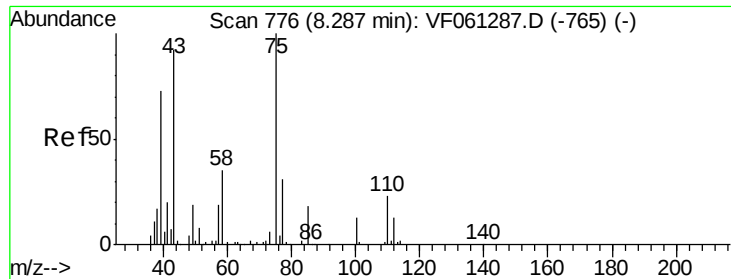
91 160.1 129.2 193.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 50.076 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.03 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Tot Ion: 75 Resp: 129341

Ion Ratio Lower Upper

75 100

77 30.3 24.7 37.1

Instrument :

MSVOA_F

ClientSampleId :

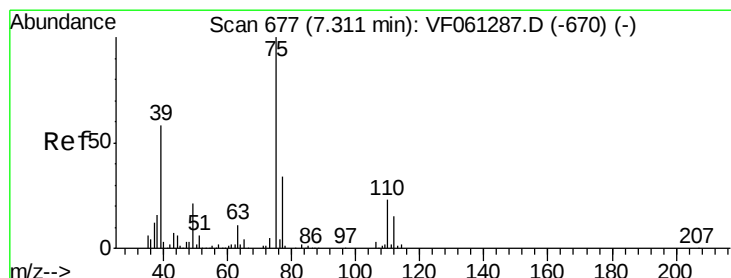
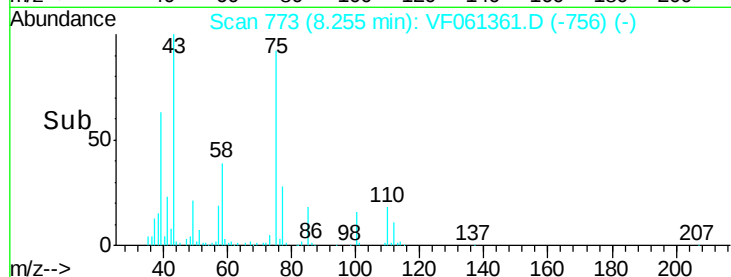
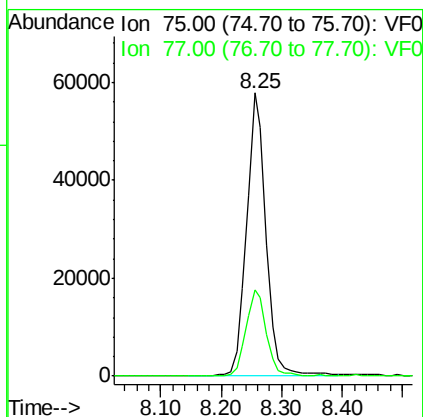
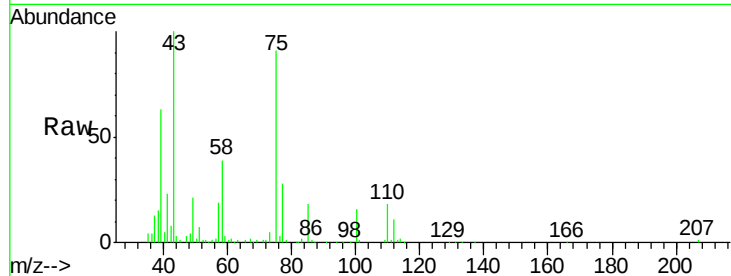
VSTDCCC050

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 50.002 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

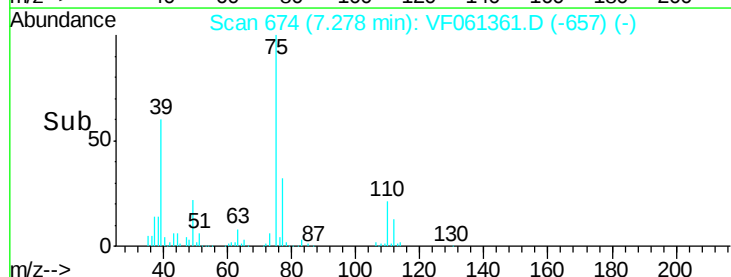
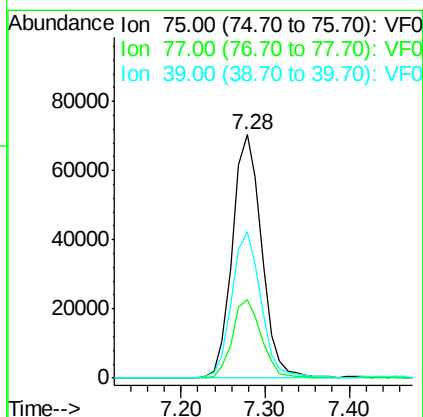
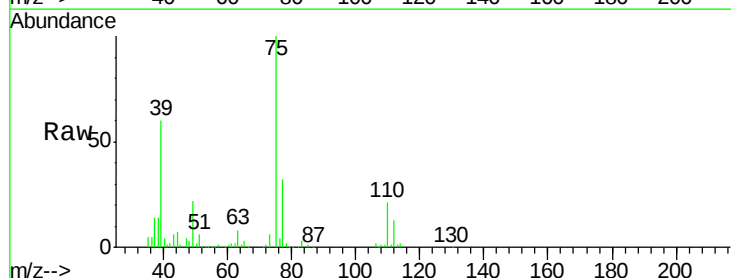
Tgt Ion: 75 Resp: 171243

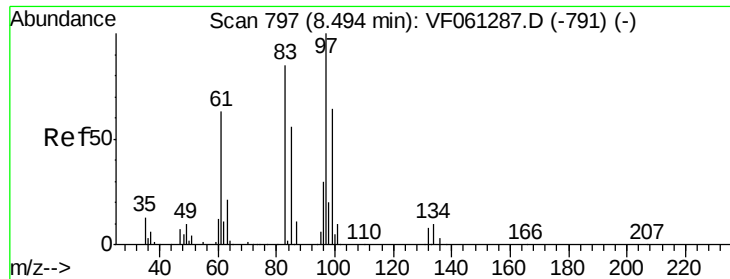
Ion Ratio Lower Upper

75 100

77 32.1 27.3 40.9

39 60.2 46.3 69.5





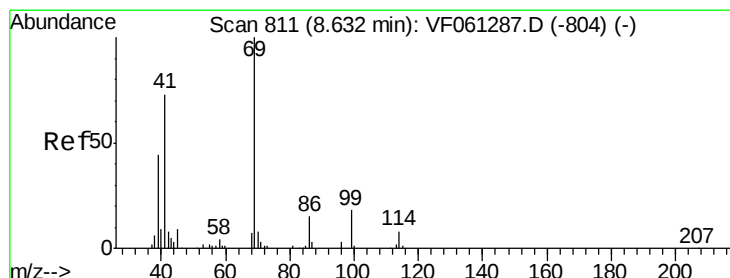
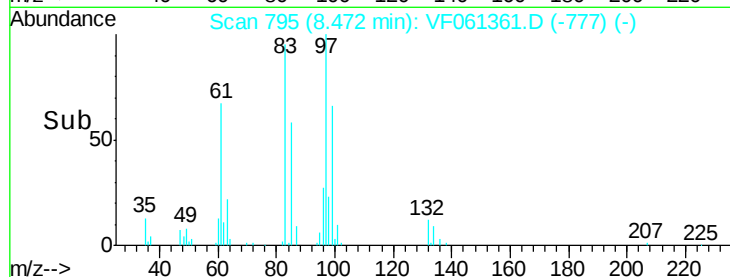
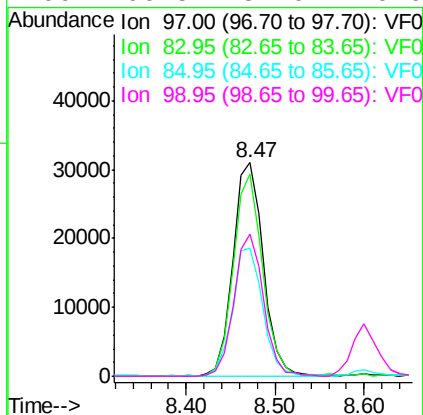
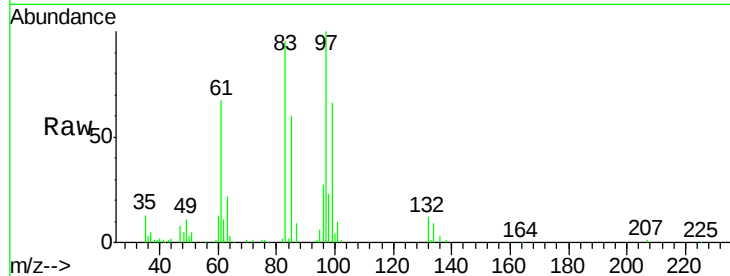
#55
 1,1,2-Trichloroethane
 Concen: 48.616 ug/l
 RT: 8.47 min Scan# 795
 Delta R.T. -0.02 min
 Lab File: VF061361.D
 Acq: 11 Jan 2019 11:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	74062
Ion	Ratio	Lower	Upper
97	100		
83	94.6	67.8	101.6
85	59.8	45.1	67.7
99	66.5	51.0	76.6

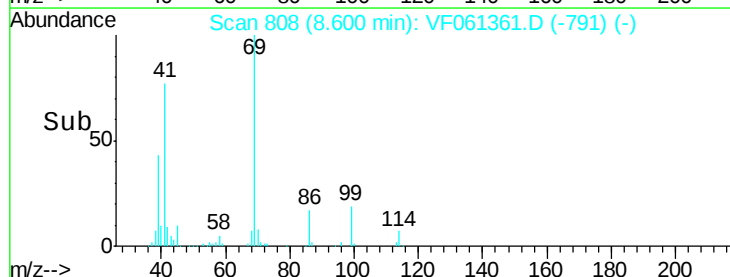
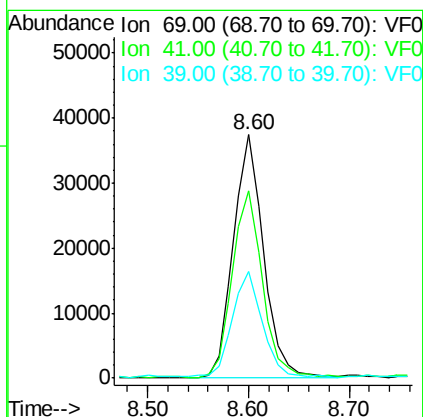
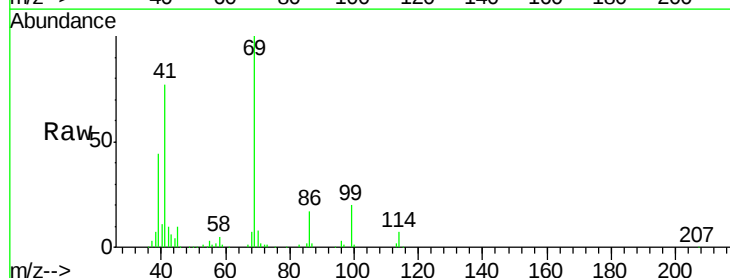
Manual Integrations
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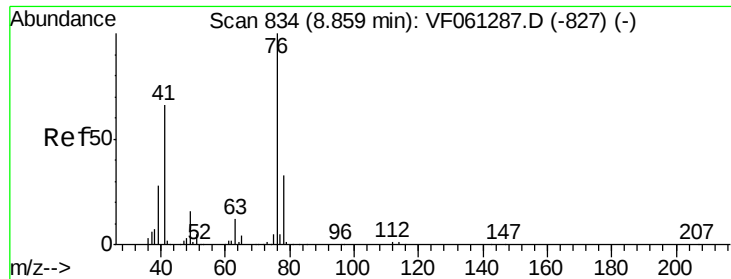
MMDadoda
 1/14/2019 1:16:27 PM



#56
 Ethyl methacrylate
 Concen: 45.996 ug/l
 RT: 8.60 min Scan# 808
 Delta R.T. -0.03 min
 Lab File: VF061361.D
 Acq: 11 Jan 2019 11:37

Tgt Ion:	69	Resp:	78313
Ion	Ratio	Lower	Upper
69	100		
41	77.2	59.0	88.4
39	44.0	35.3	52.9





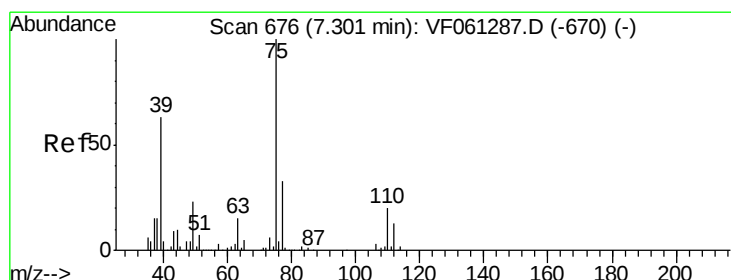
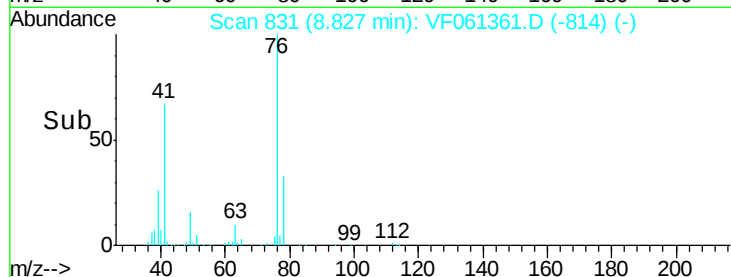
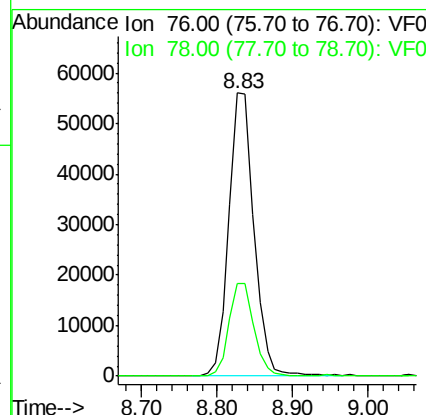
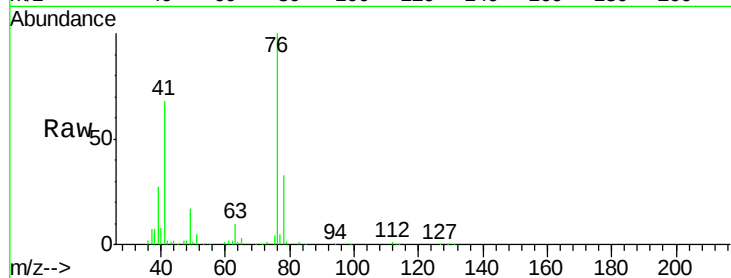
#57
 1,3-Dichloropropane
 Concen: 47.974 ug/l
 RT: 8.83 min Scan# 831
 Delta R.T. -0.03 min
 Lab File: VF061361.D
 Acq: 11 Jan 2019 11:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.8	40.2

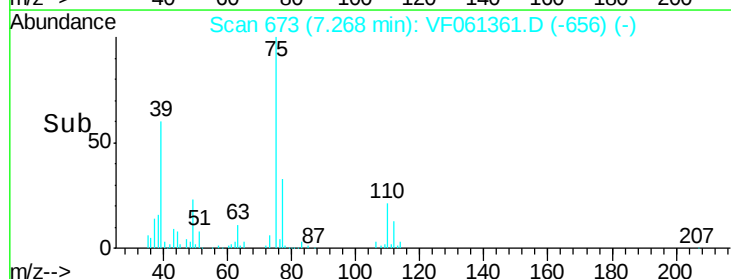
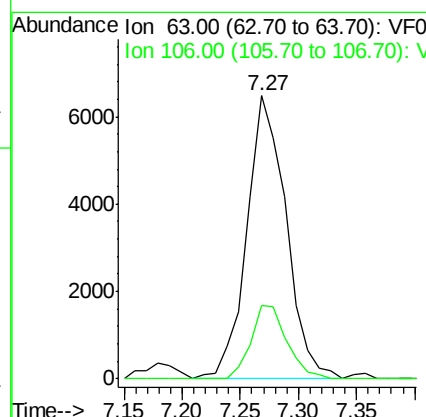
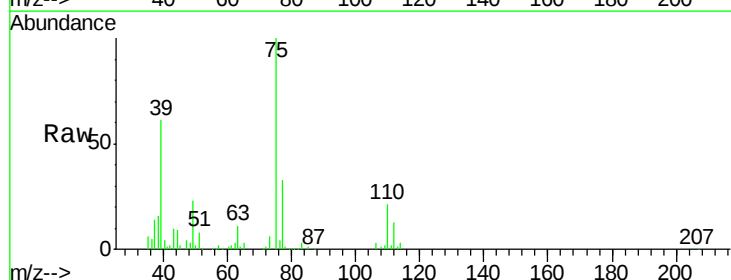
Manual Integrations
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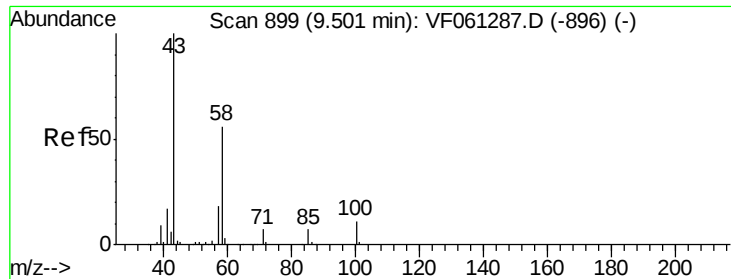
MMDadoda
 1/14/2019 1:16:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 208.856 ug/l
 RT: 7.27 min Scan# 673
 Delta R.T. -0.03 min
 Lab File: VF061361.D
 Acq: 11 Jan 2019 11:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.8	16.5	24.7#





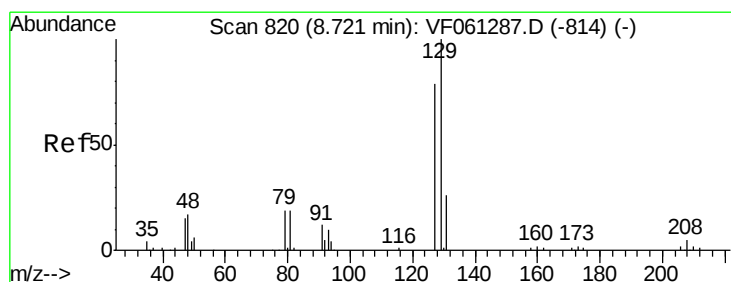
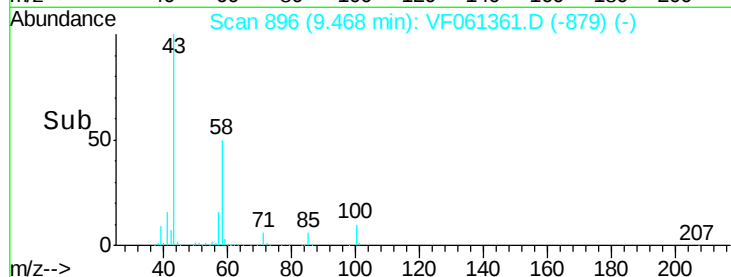
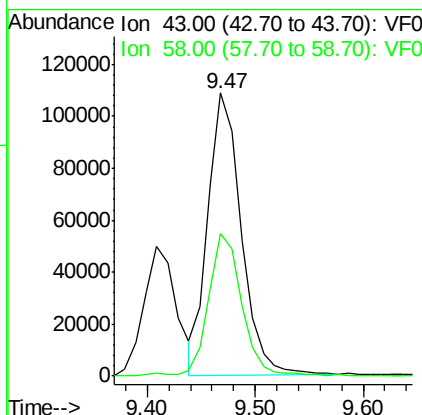
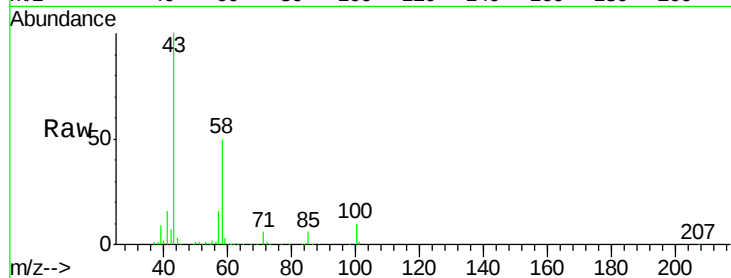
#59
2-Hexanone
Concen: 248.714 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.03 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 231976
Ion Ratio Lower Upper
43 100
58 50.3 25.6 76.8

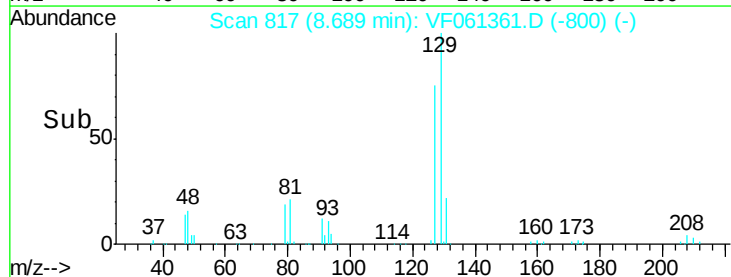
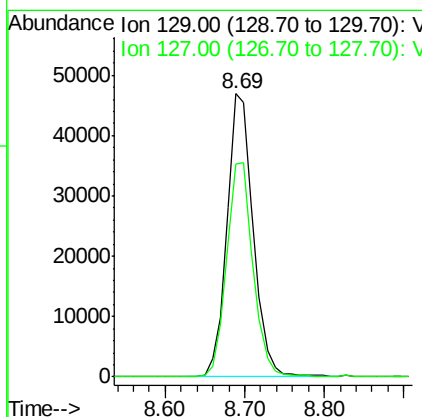
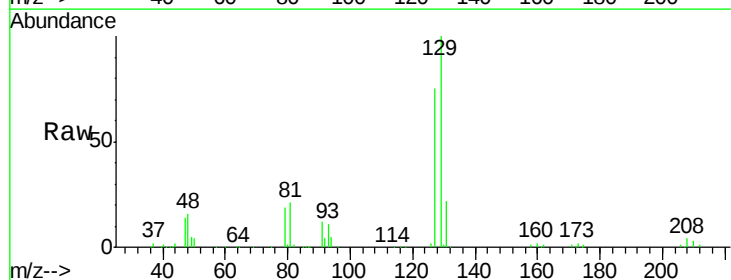
Manual Integrations
APPROVED

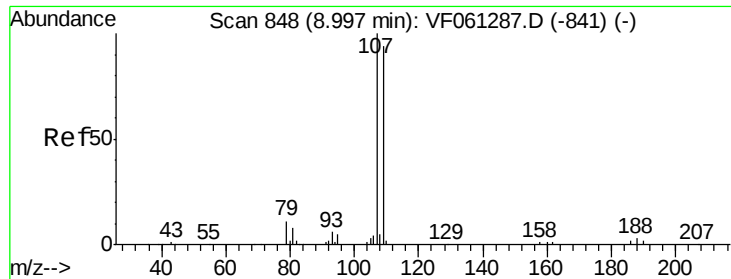
MMDadoda
1/14/2019 1:16:27 PM



#60
Dibromochloromethane
Concen: 53.610 ug/l
RT: 8.69 min Scan# 817
Delta R.T. -0.03 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Tgt Ion: 129 Resp: 108750
Ion Ratio Lower Upper
129 100
127 75.0 39.4 118.1





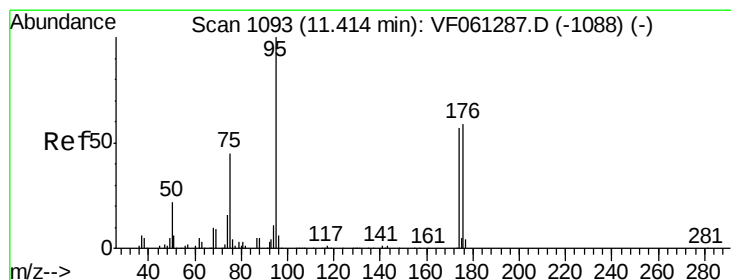
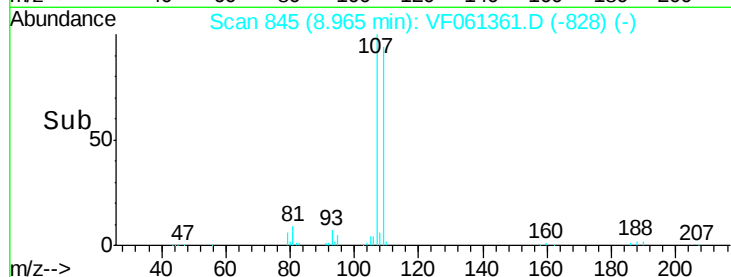
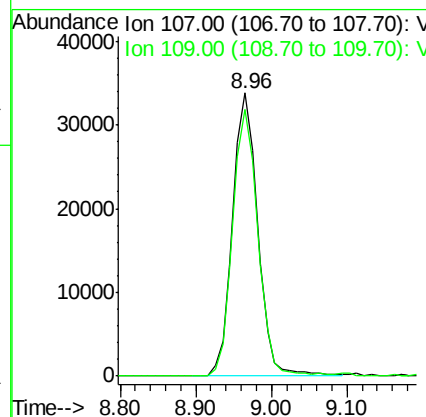
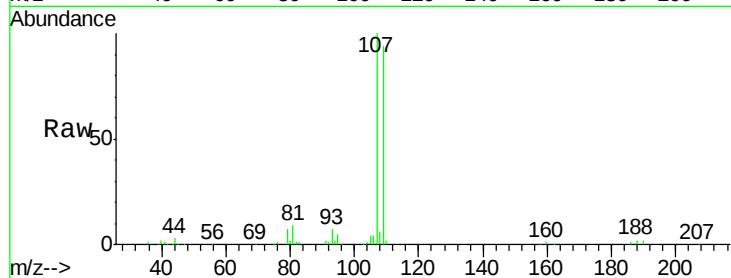
#61
 1,2-Dibromoethane
 Concen: 50.229 ug/l
 RT: 8.96 min Scan# 845
 Delta R.T. -0.03 min
 Lab File: VF061361.D
 Acq: 11 Jan 2019 11:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	78001		
109	109	94.1	75.1	112.7	

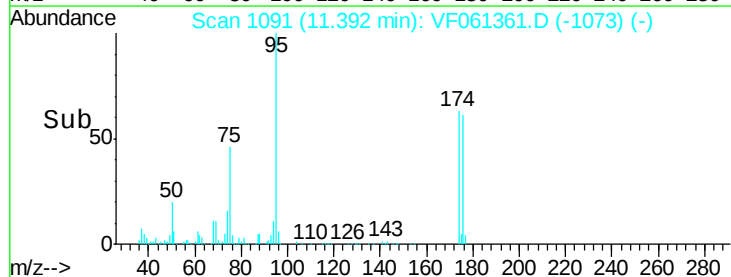
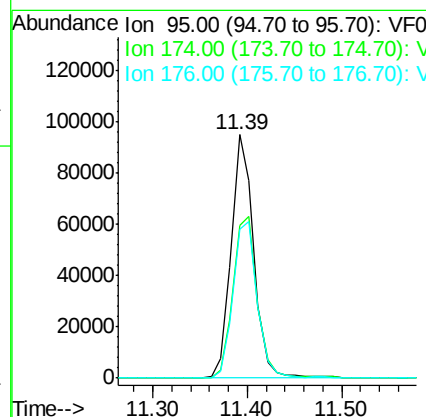
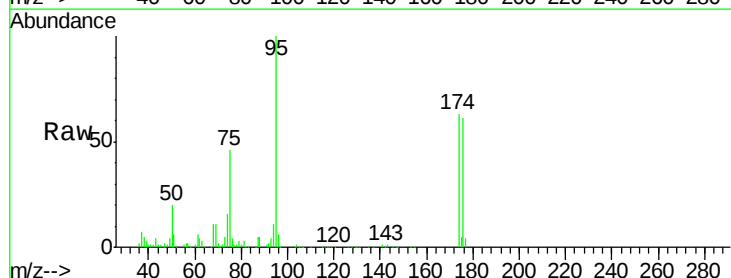
Manual Integrations
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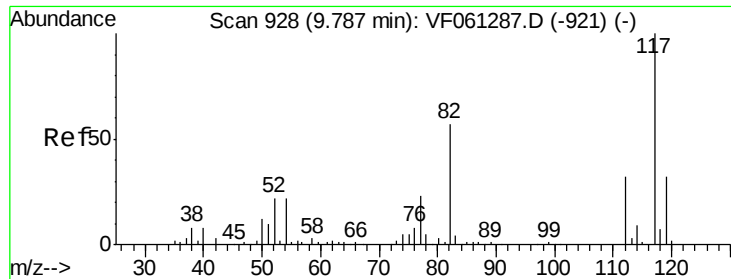
MMDadoda
 1/14/2019 1:16:27 PM



#62
 4-Bromofluorobenzene
 Concen: 51.299 ug/l
 RT: 11.39 min Scan# 1091
 Delta R.T. -0.02 min
 Lab File: VF061361.D
 Acq: 11 Jan 2019 11:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	95	100	157577		
174	174	62.8	0.0	114.2	
176	176	61.0	0.0	117.8	





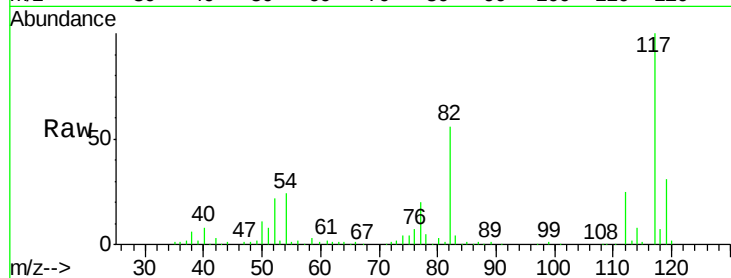
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	298948		
82	56.4	45.3	67.9	
119	30.7	25.4	38.0	

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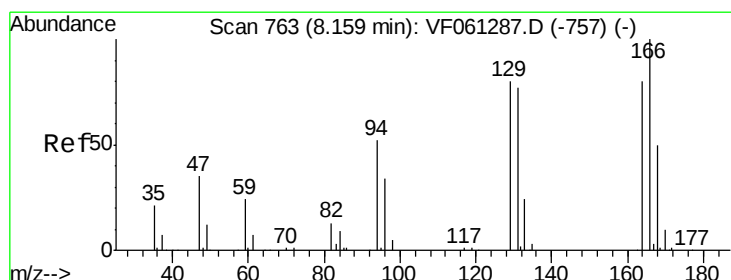
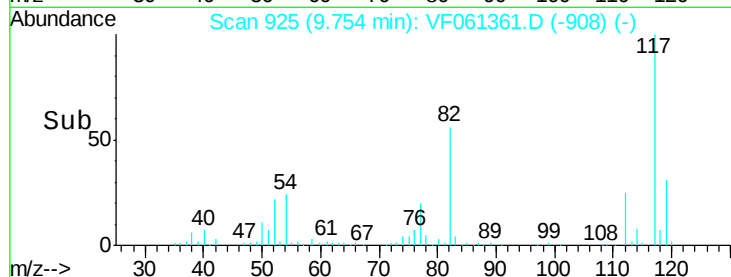
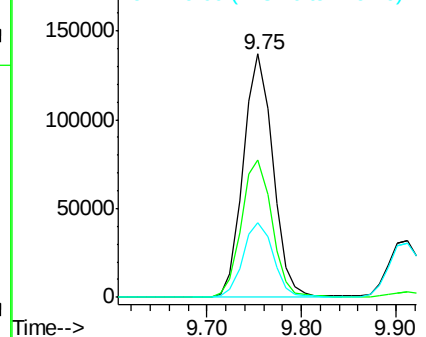


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 47.349 ug/l
RT: 8.13 min Scan# 760
Delta R.T. -0.03 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	103060		
166	120.3	100.1	150.1	
129	97.1	80.1	120.1	
131	97.1	76.7	115.1	

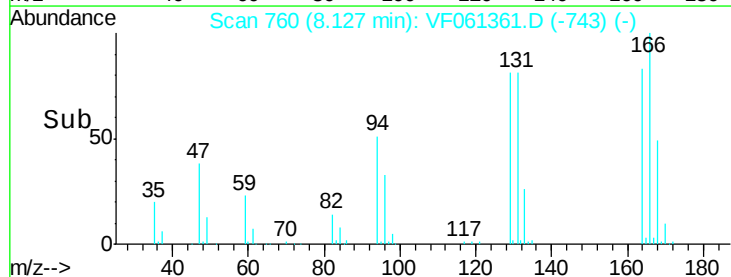
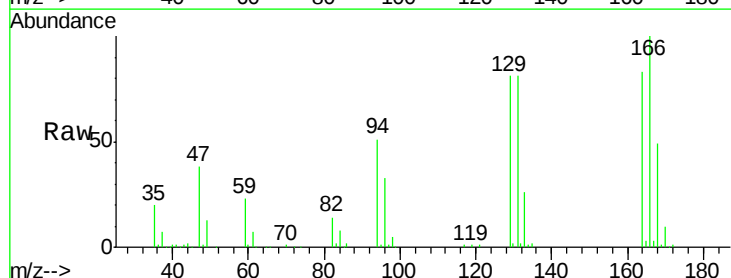
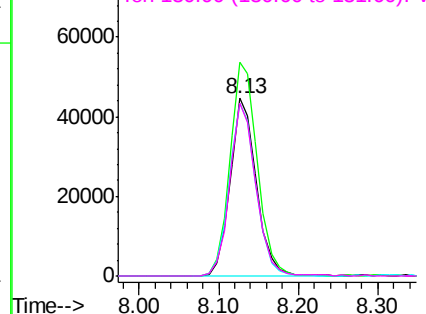
Abundance

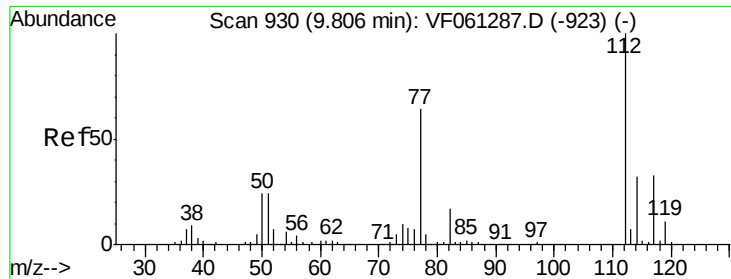
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





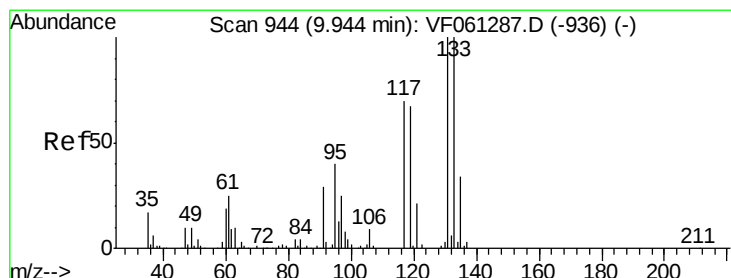
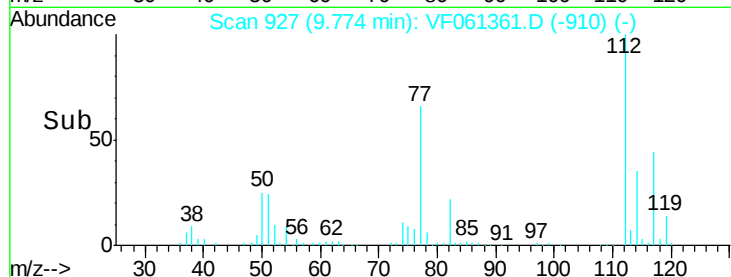
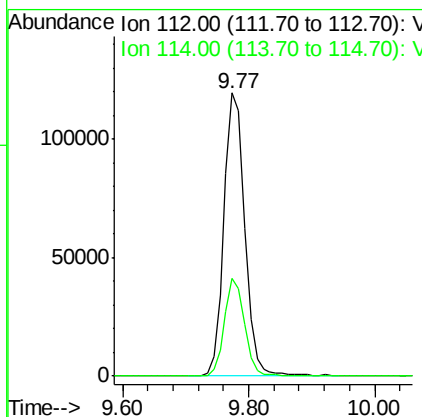
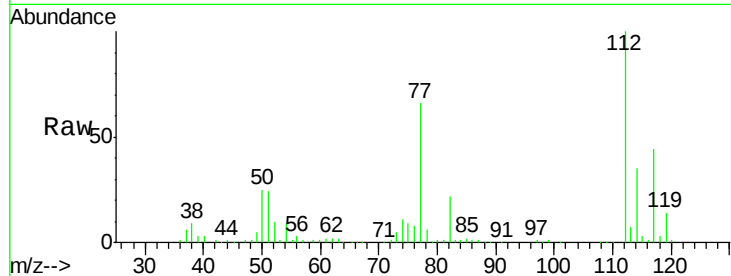
#65
Chlorobenzene
Concen: 45.775 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 276337
Ion Ratio Lower Upper
112 100
114 34.6 25.8 38.8

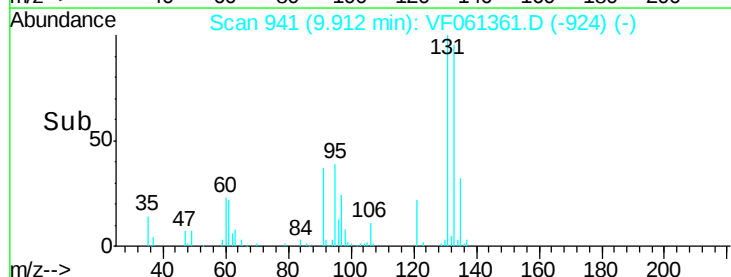
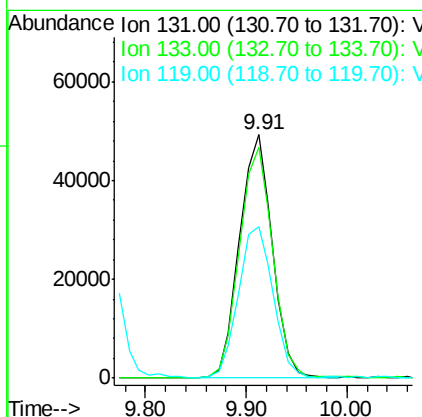
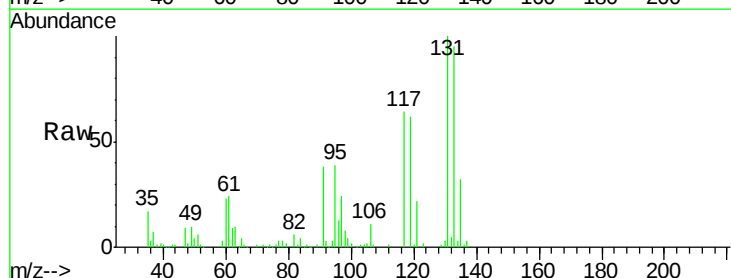
Manual Integrations
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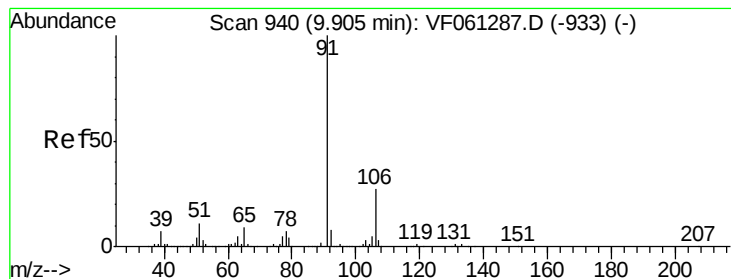
MMDadoda
1/14/2019 1:16:27 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 45.454 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.03 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Tgt Ion:131 Resp: 111964
Ion Ratio Lower Upper
131 100
133 94.5 49.9 149.6
119 62.4 33.9 101.6





#67

Ethyl Benzene

Concen: 43.465 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.02 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 505915

Ion Ratio Lower Upper

91 100

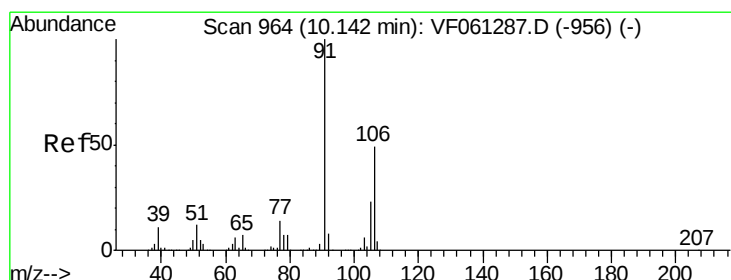
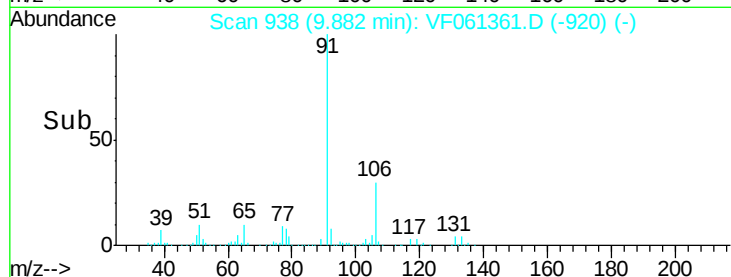
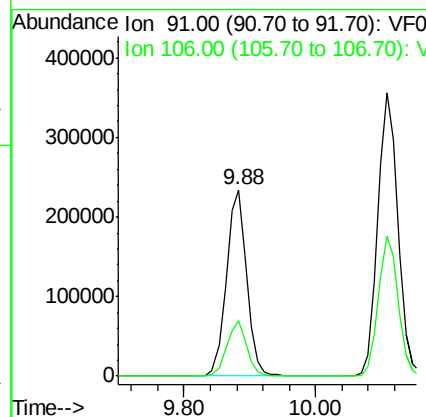
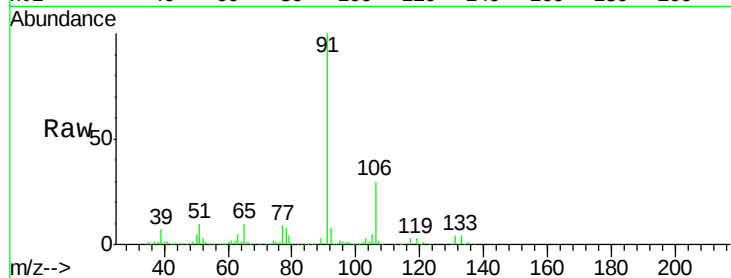
106 29.6 21.4 32.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 92.636 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.03 min

Lab File: VF061361.D

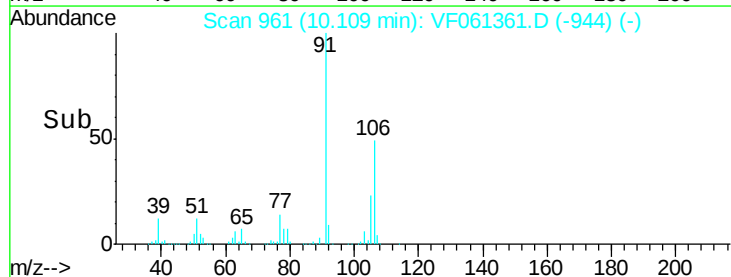
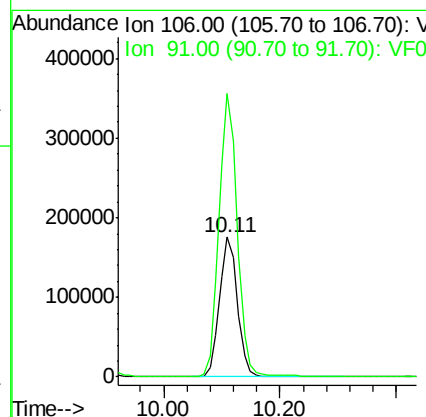
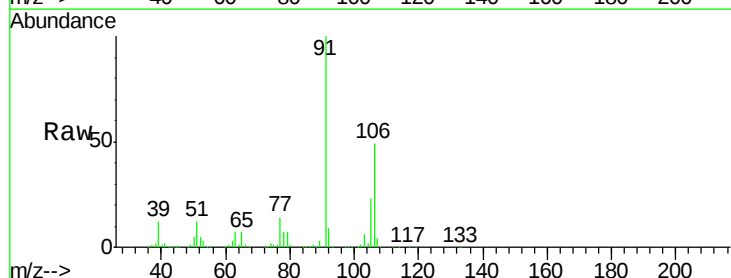
Acq: 11 Jan 2019 11:37

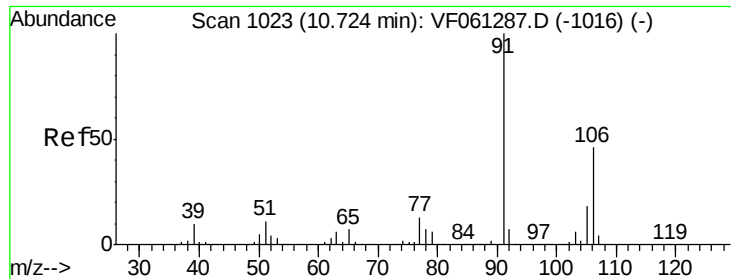
Tgt Ion: 106 Resp: 376111

Ion Ratio Lower Upper

106 100

91 202.6 165.0 247.6





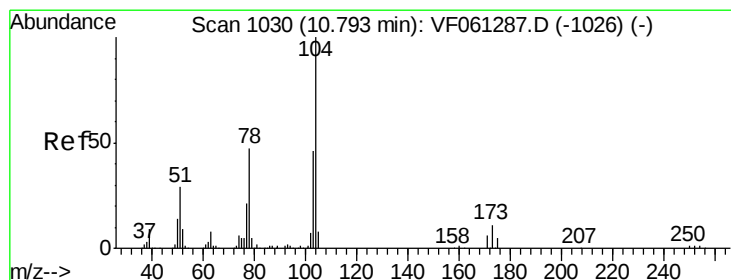
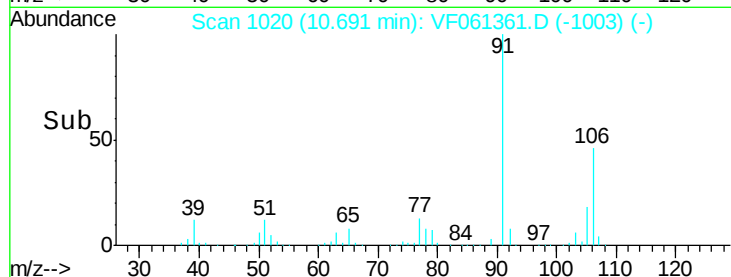
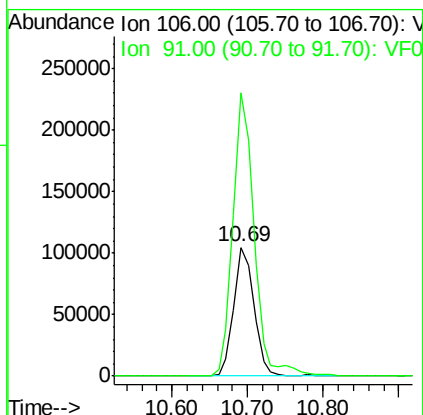
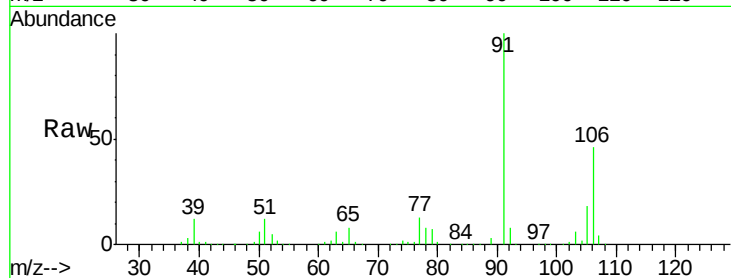
#69
o-Xylene
Concen: 42.755 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.03 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		193913		
91	219.5	108.1	324.4		

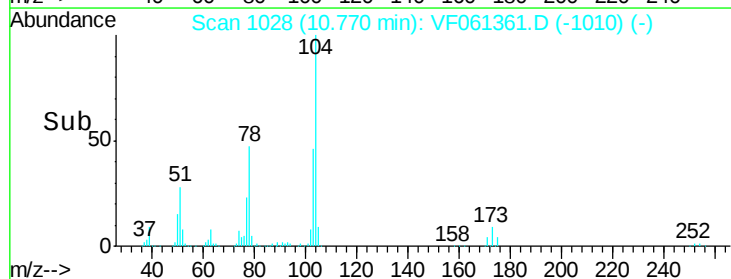
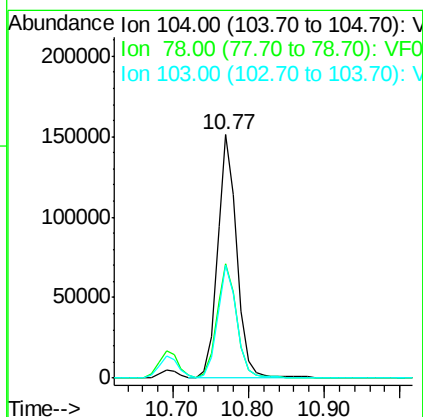
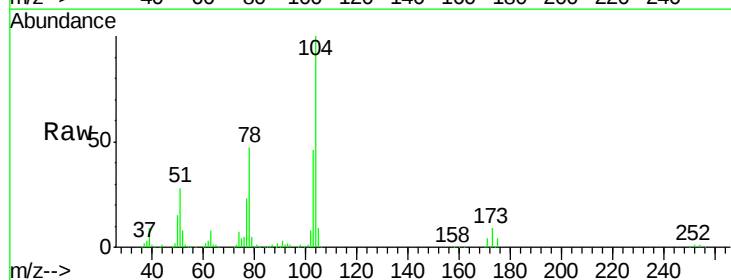
Manual Integrations
APPROVED

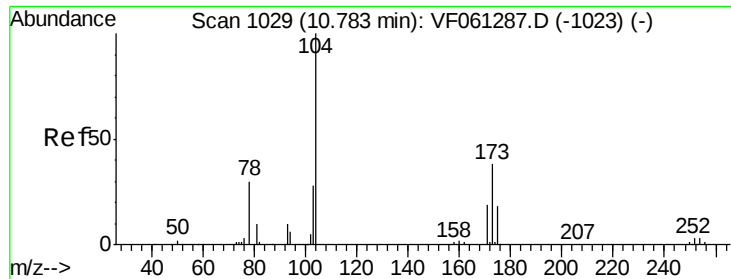
MMDadoda
1/14/2019 1:16:27 PM



#70
Styrene
Concen: 44.180 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		266932		
78	47.1	38.0	57.0		
103	46.5	36.7	55.1		





#71

Bromoform

Concen: 49.730 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.02 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 50063

Ion Ratio Lower Upper

173 100

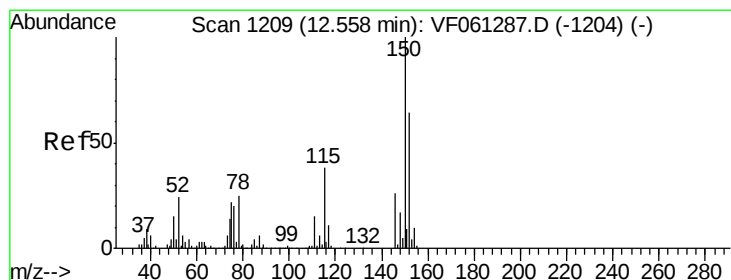
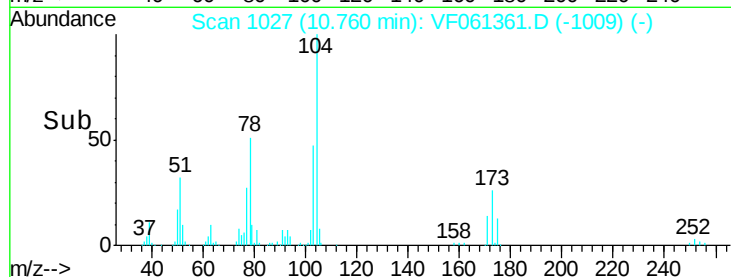
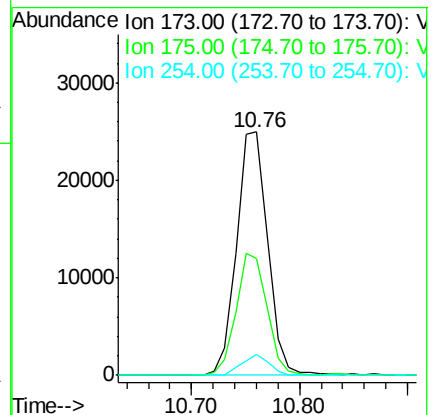
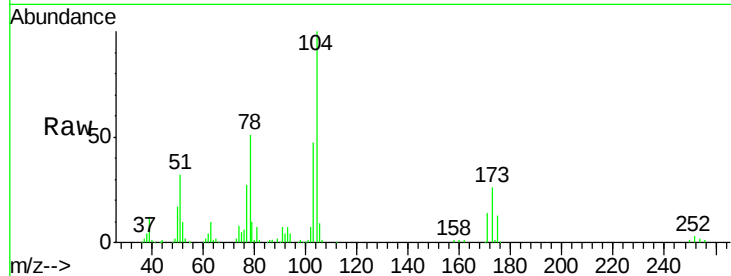
175 48.3 24.1 72.2

254 8.5 0.0 0.0#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

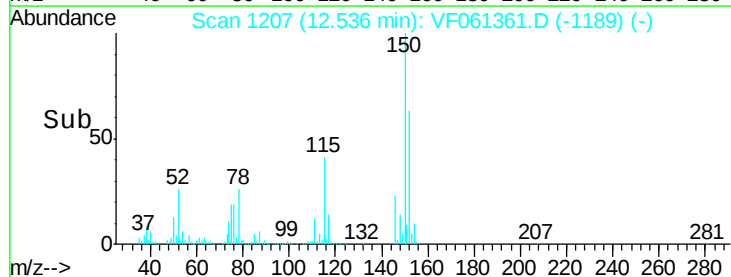
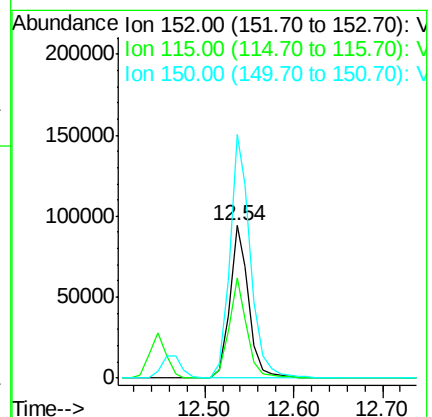
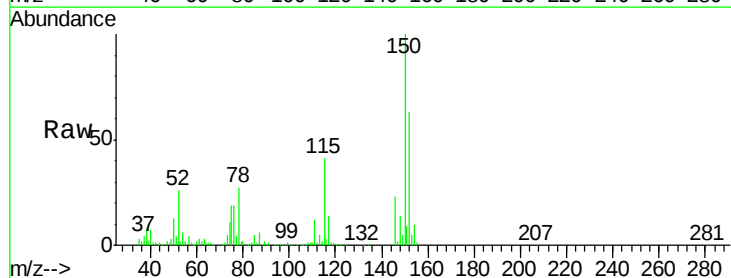
Tgt Ion:152 Resp: 141143

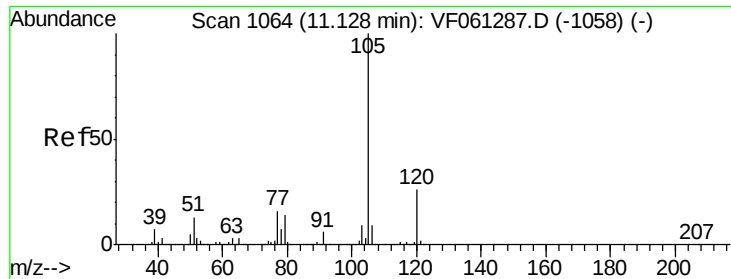
Ion Ratio Lower Upper

152 100

115 65.7 29.6 88.9

150 159.9 0.0 315.4





#73

Isopropylbenzene

Concen: 48.509 ug/l

RT: 11.11 min Scan# 1062

Delta R.T. -0.02 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 602473

Ion Ratio Lower Upper

105 100

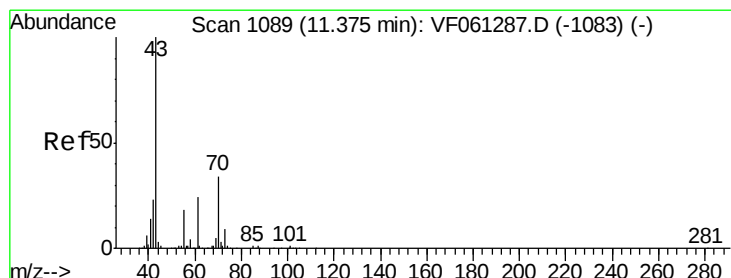
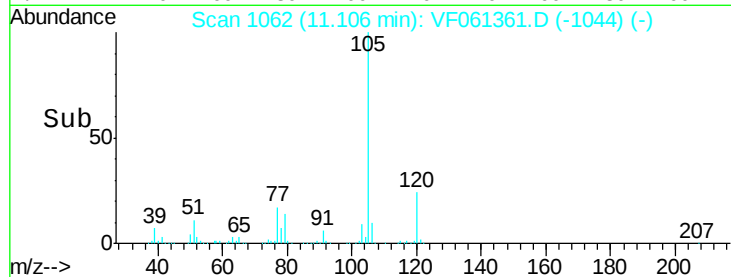
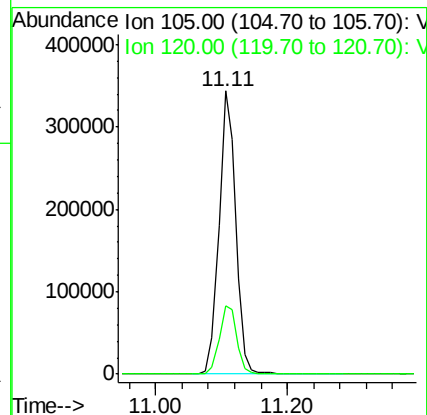
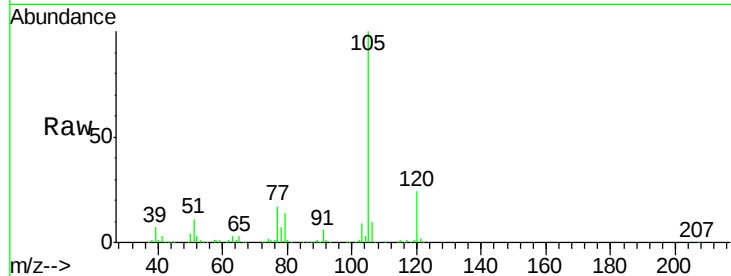
120 24.3 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.478 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Tgt Ion: 43 Resp: 142512

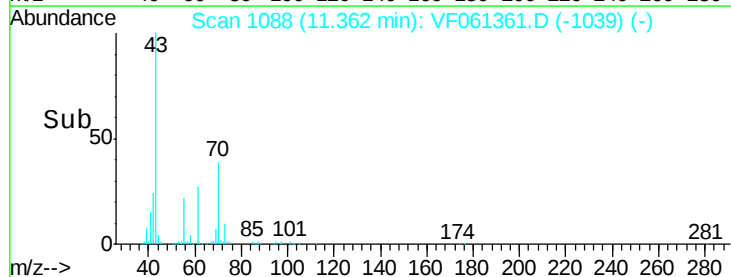
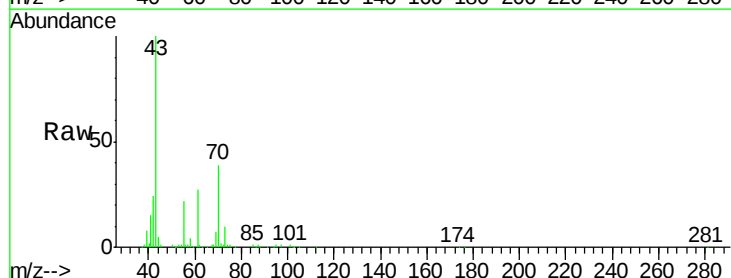
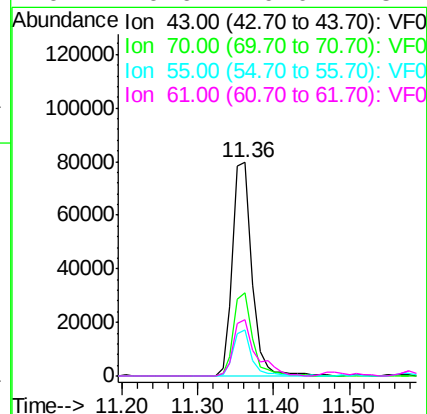
Ion Ratio Lower Upper

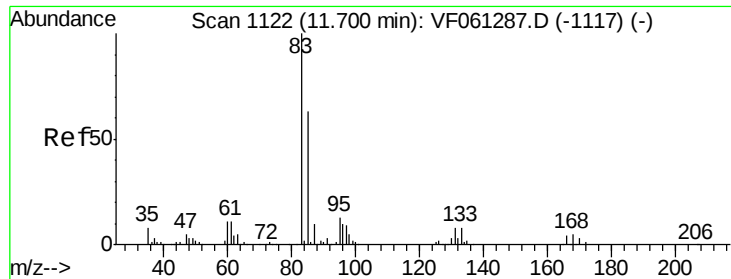
43 100

70 38.9 27.4 41.0

55 21.9 14.7 22.1

61 26.6 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.480 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

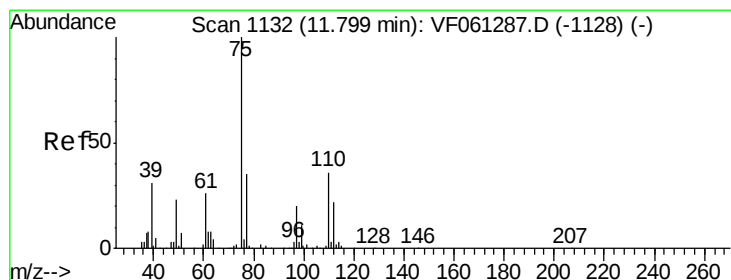
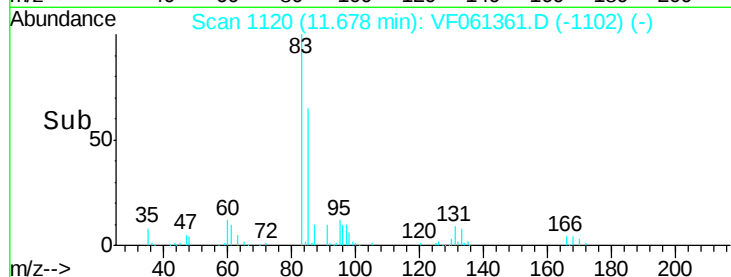
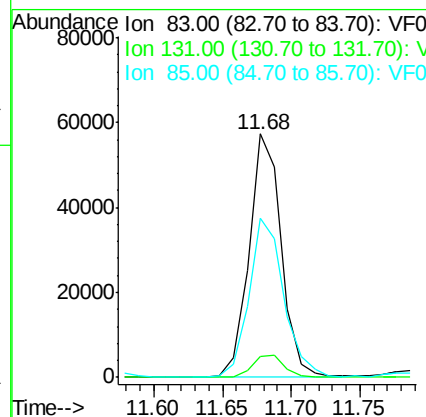
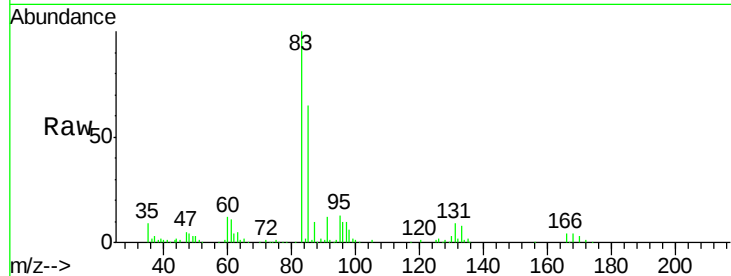
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	93500
Ion Ratio	Lower	Upper	
83	100		
131	8.7	3.9	11.7
85	65.2	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.018 ug/l

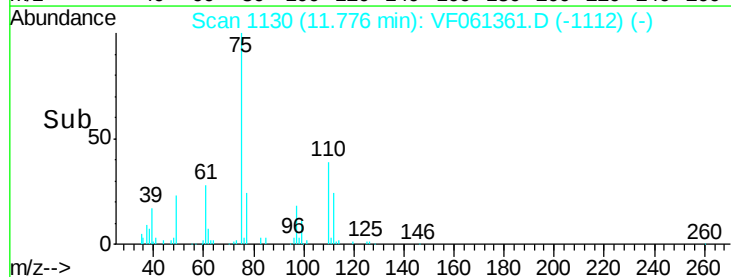
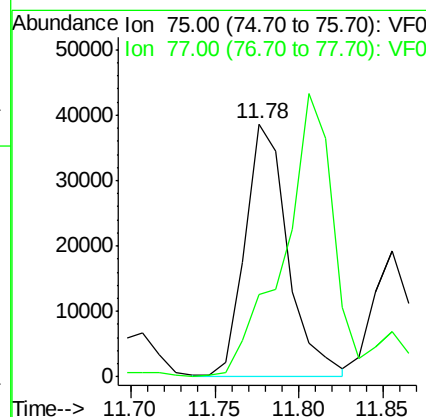
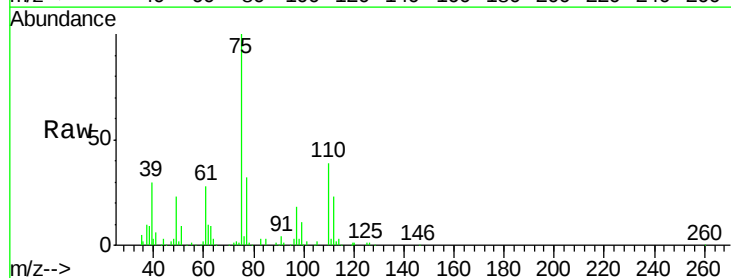
RT: 11.78 min Scan# 1130

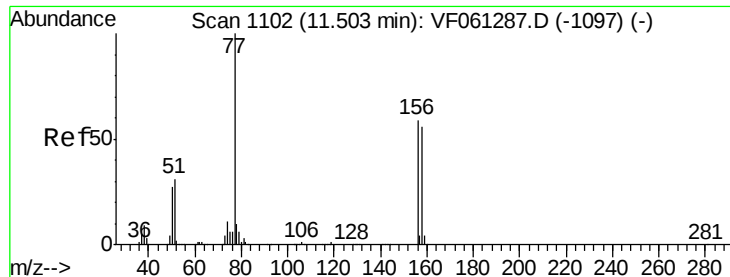
Delta R.T. -0.02 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Tgt Ion:	75	Resp:	67908
Ion Ratio	Lower	Upper	
75	100		
77	32.4	17.5	52.5





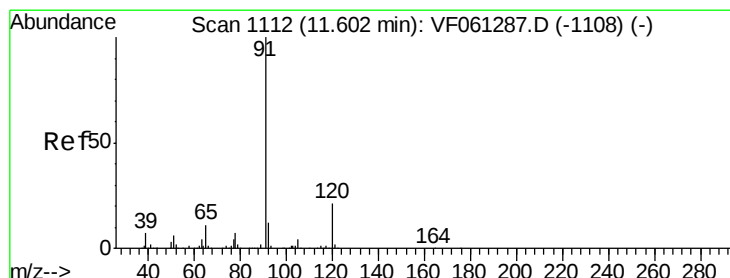
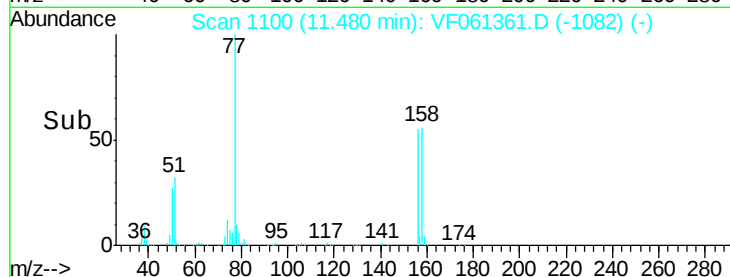
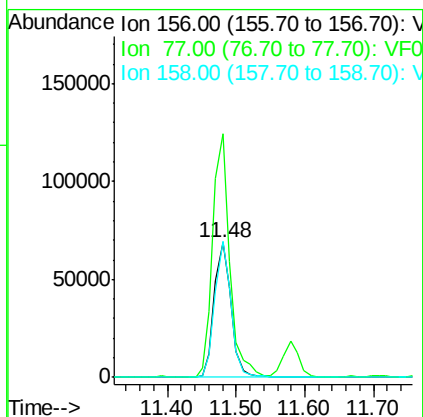
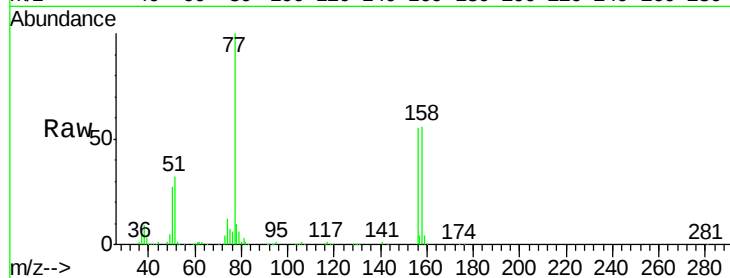
#77
Bromobenzene
Concen: 47.571 ug/l
RT: 11.48 min Scan# 1100
Delta R.T. -0.02 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	181.3	84.3	252.9	
158	101.5	47.1	141.3	

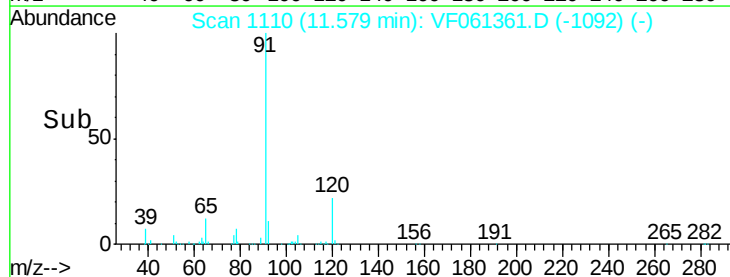
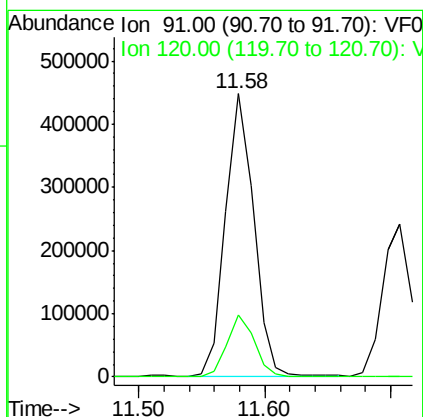
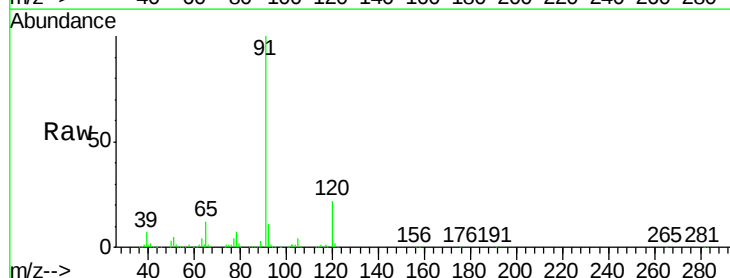
Manual Integrations
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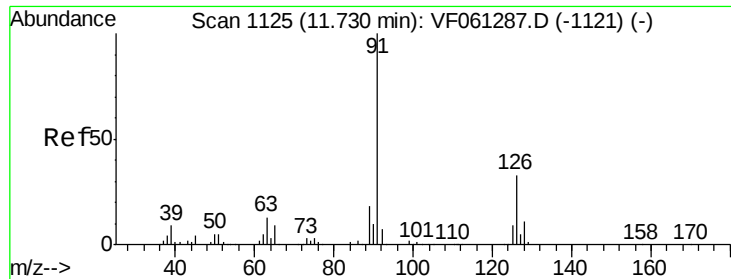
MMDadoda
1/14/2019 1:16:27 PM



#78
n-propylbenzene
Concen: 47.165 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.8	10.7	32.1	





#79

2-Chlorotoluene

Concen: 46.773 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 385890

Ion Ratio Lower Upper

91 100

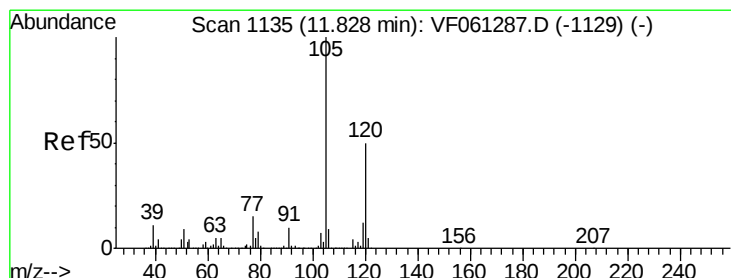
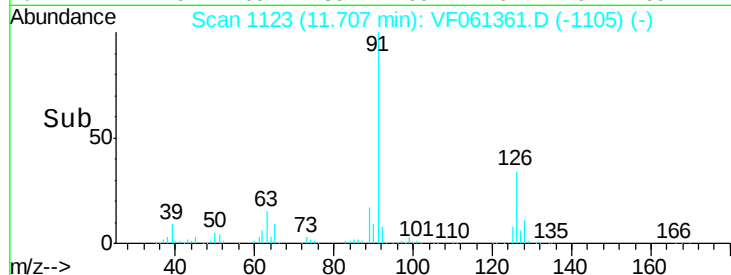
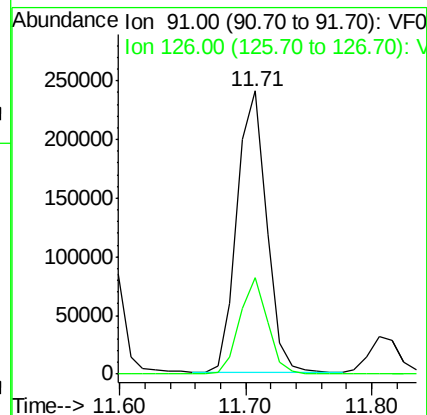
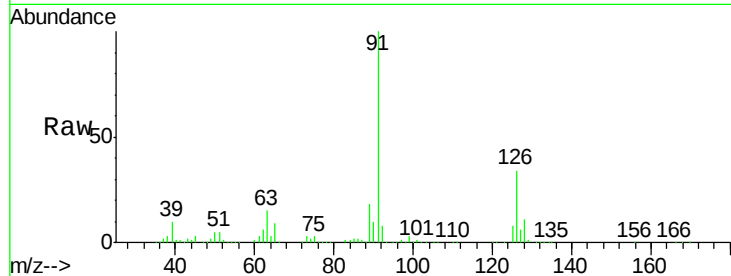
126 33.9 16.6 49.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.833 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. -0.02 min

Lab File: VF061361.D

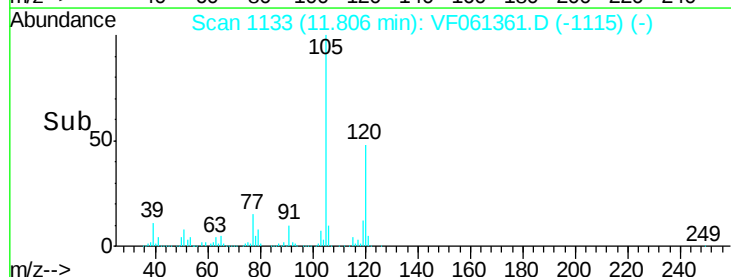
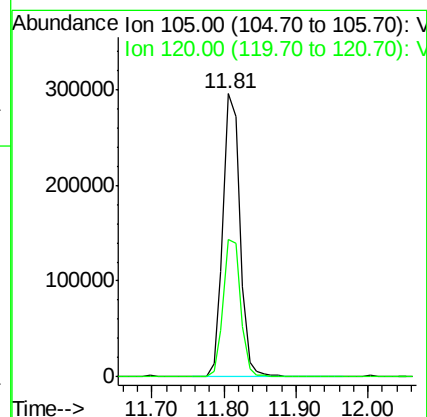
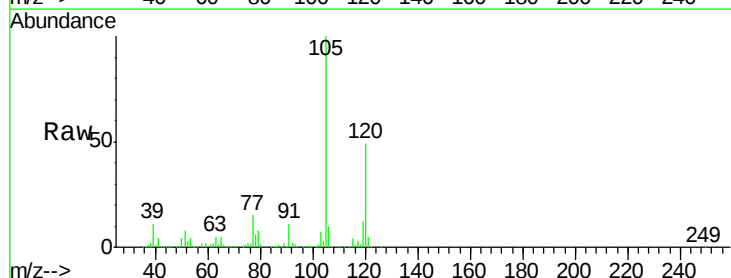
Acq: 11 Jan 2019 11:37

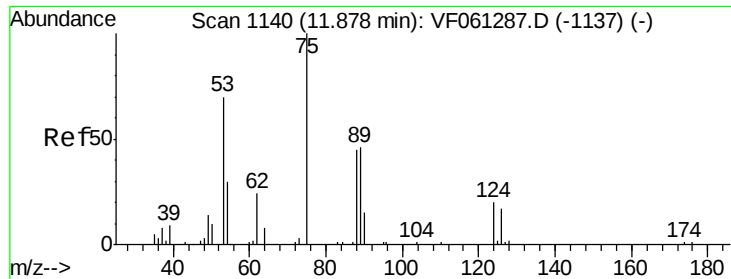
Tgt Ion: 105 Resp: 482597

Ion Ratio Lower Upper

105 100

120 48.6 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 50.380 ug/l m

RT: 11.86 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 31798

Ion Ratio Lower Upper

75 100

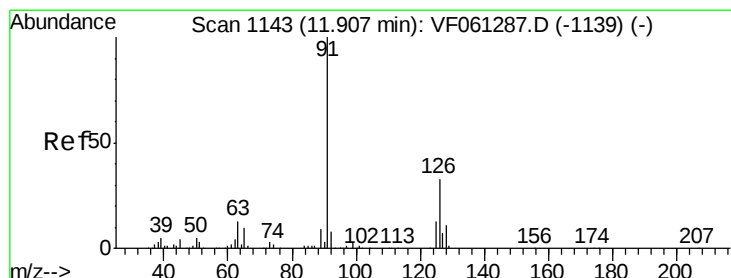
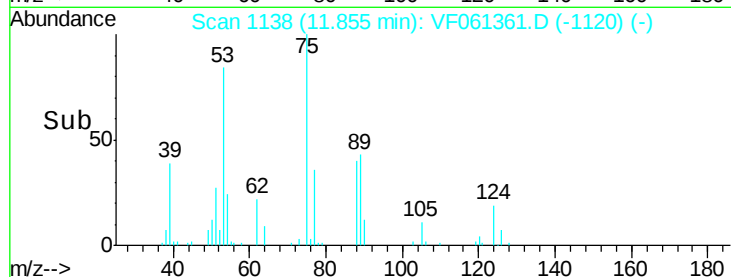
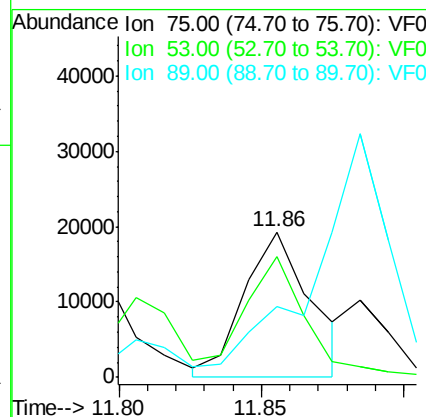
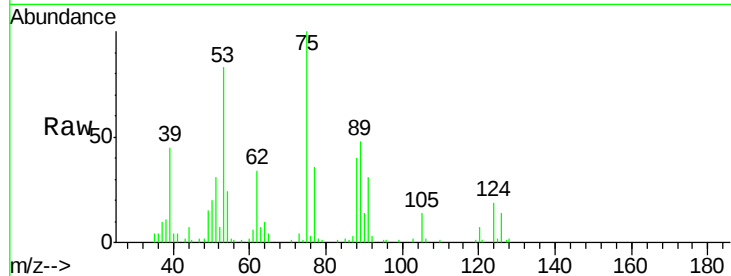
53 82.9 62.2 93.2

89 48.4 40.2 60.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.287 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF061361.D

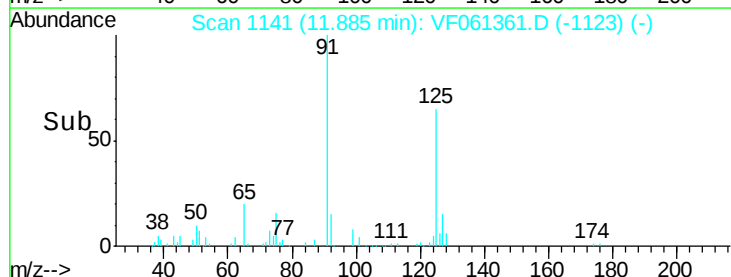
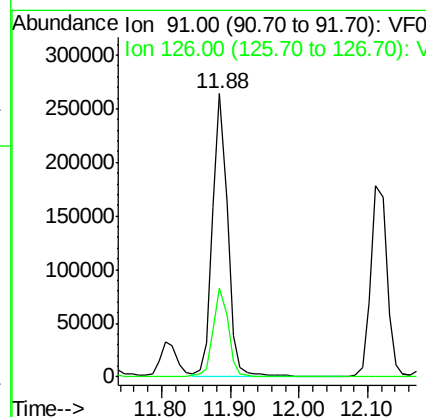
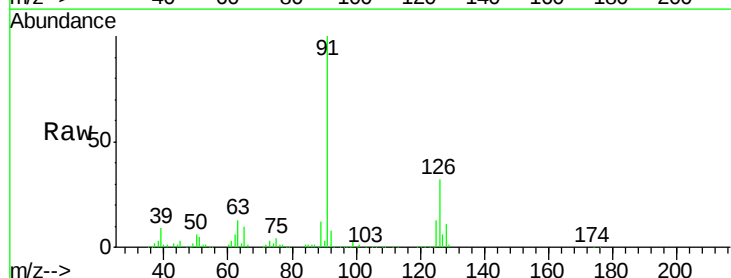
Acq: 11 Jan 2019 11:37

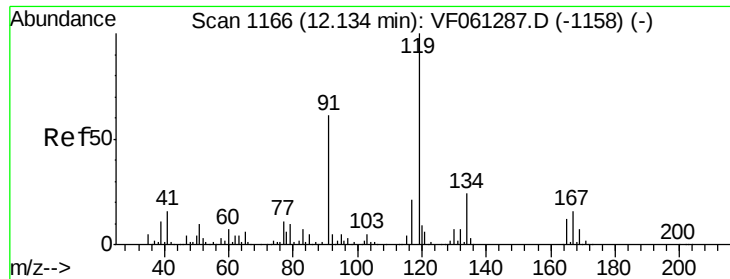
Tgt Ion: 91 Resp: 404808

Ion Ratio Lower Upper

91 100

126 31.6 16.4 49.4





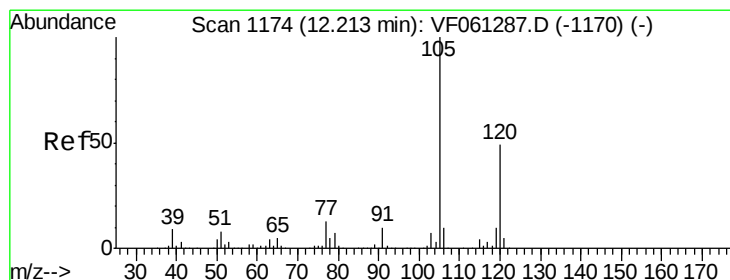
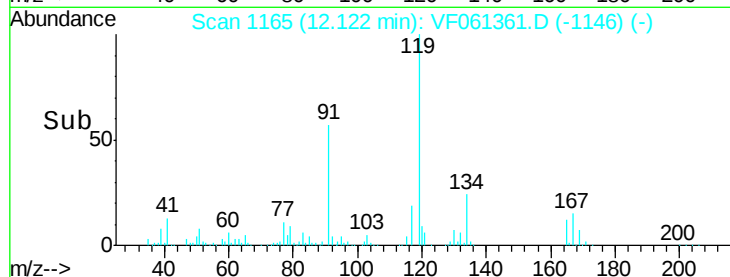
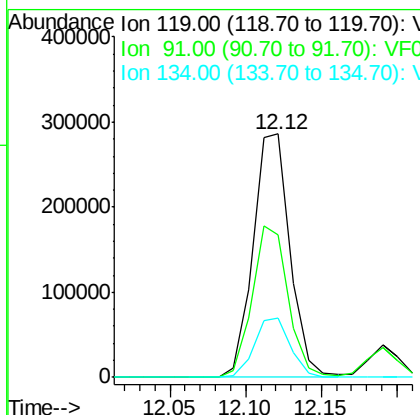
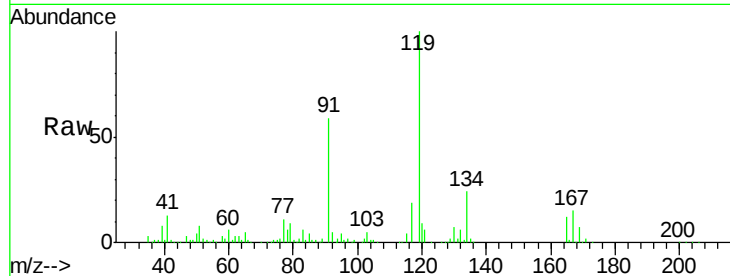
#83
tert-Butylbenzene
Concen: 49.413 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.01 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	486520		
91	58.6	30.8	92.4	
134	24.2	11.9	35.9	

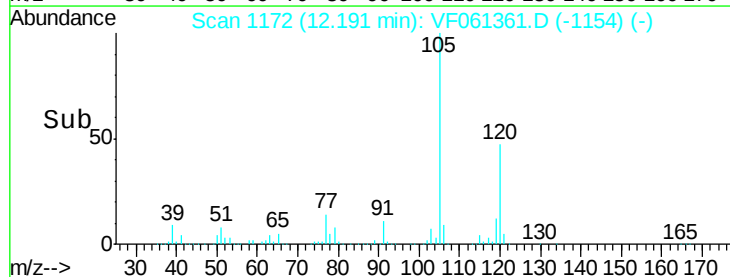
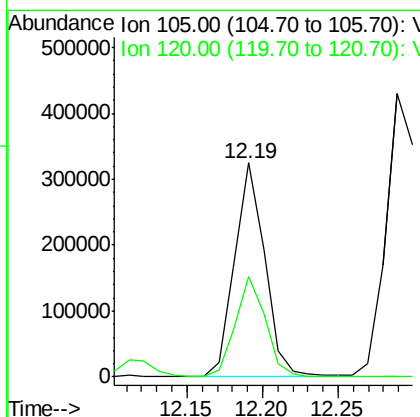
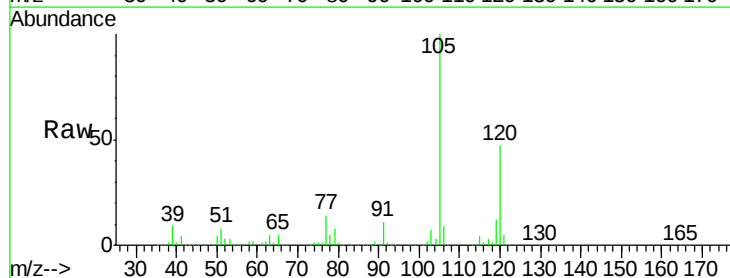
Manual Integrations
APPROVED

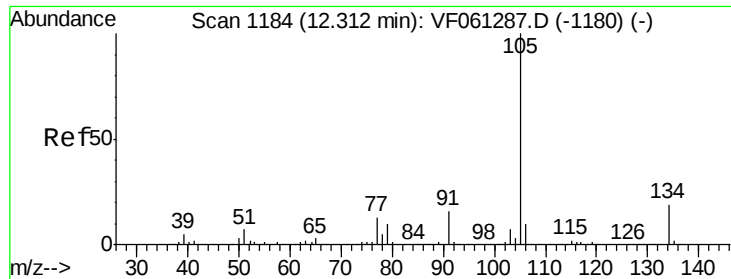
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 46.120 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	452519		
120	46.7	24.7	74.1	





#85

sec-Butylbenzene

Concen: 46.847 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 656764

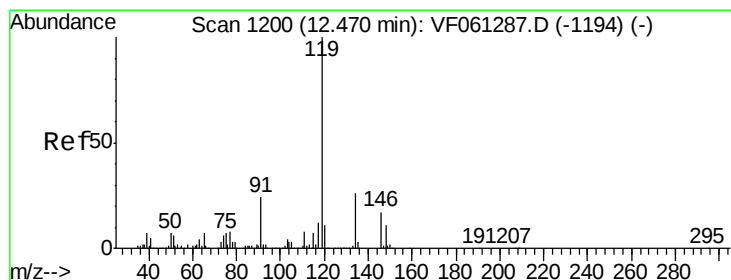
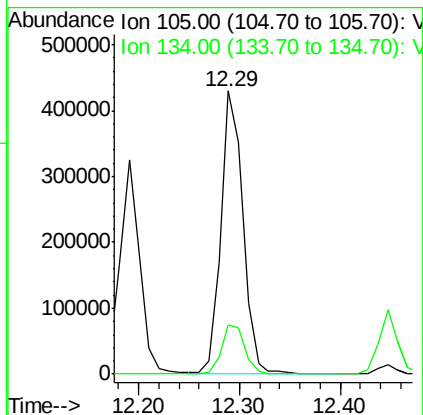
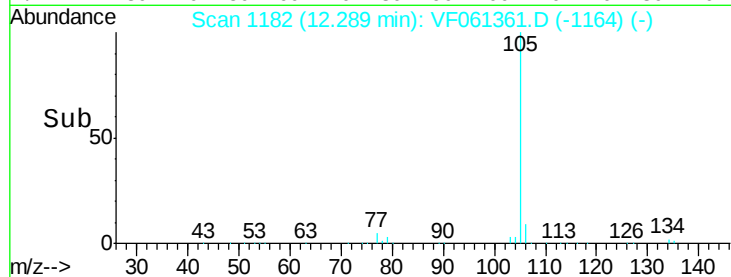
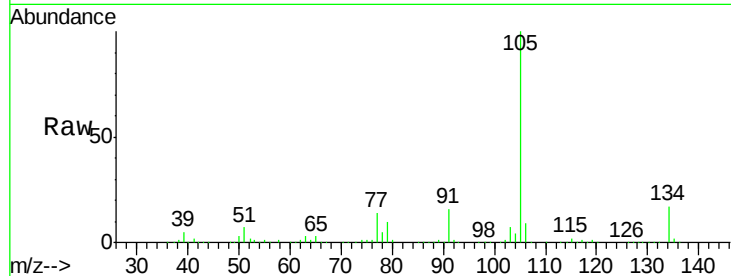
Ion Ratio Lower Upper

105 100

134 17.4 9.7 28.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 46.087 ug/l

RT: 12.45 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

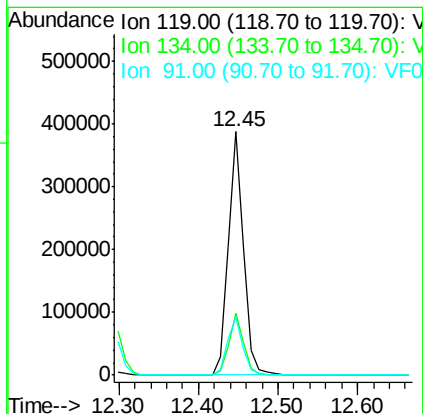
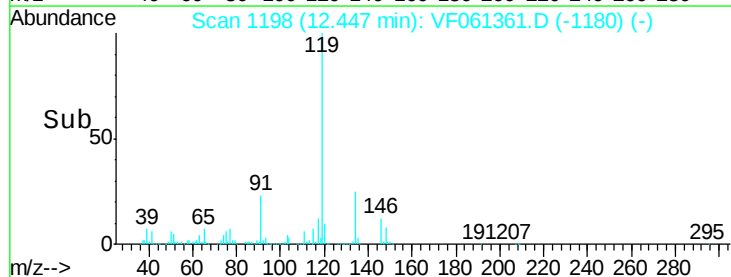
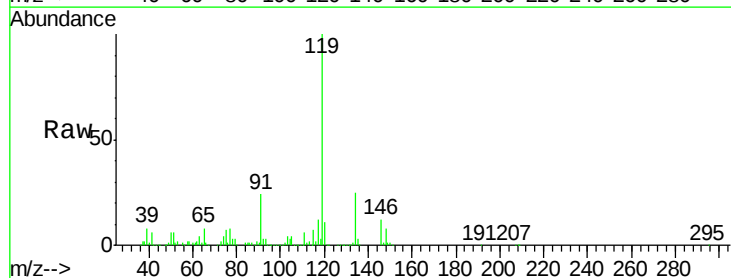
Tgt Ion:119 Resp: 525530

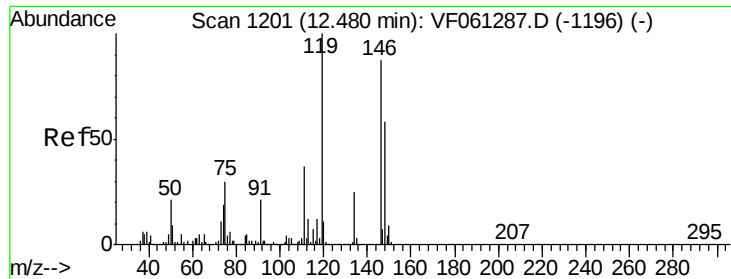
Ion Ratio Lower Upper

119 100

134 25.2 13.0 39.0

91 23.9 12.2 36.4





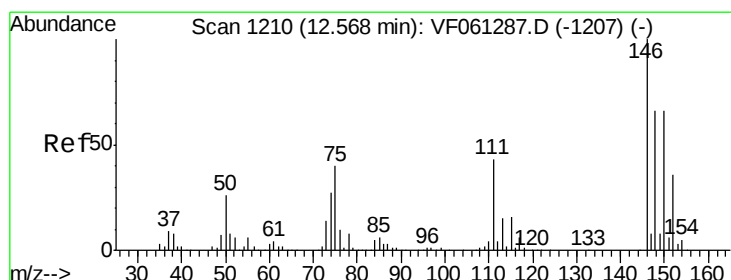
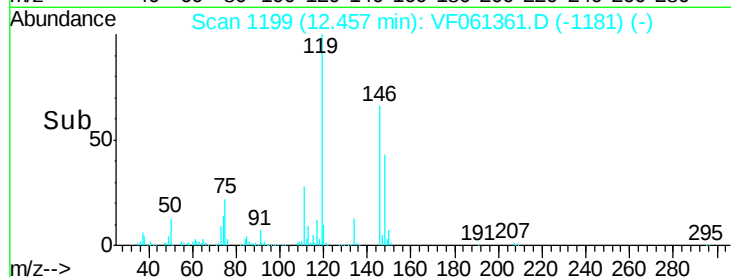
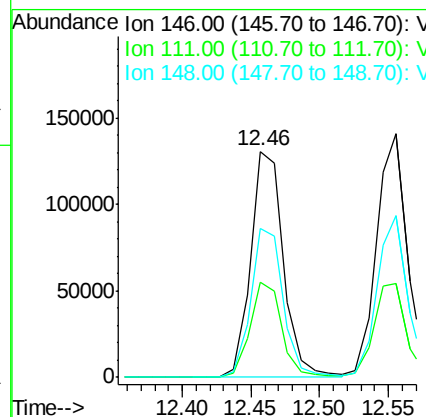
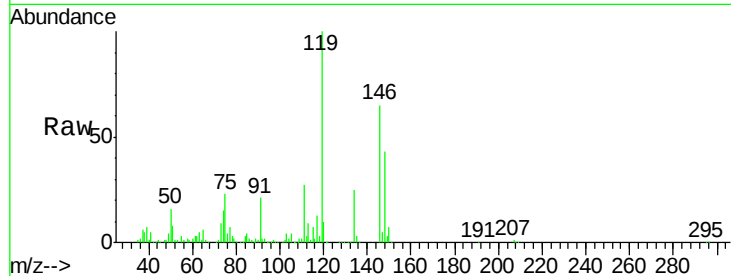
#87
 1,3-Dichlorobenzene
 Concen: 45.138 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: VF061361.D
 Acq: 11 Jan 2019 11:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.3
148	65.9	33.1	99.5

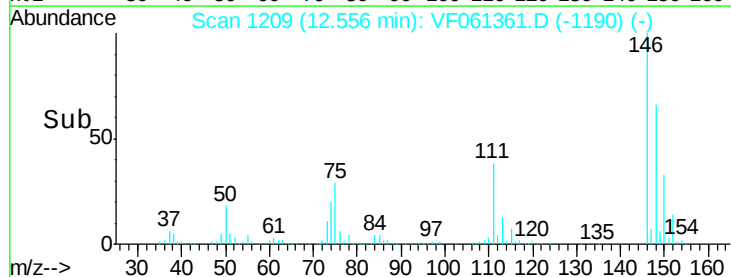
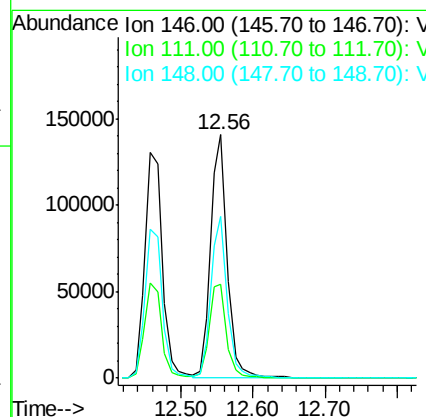
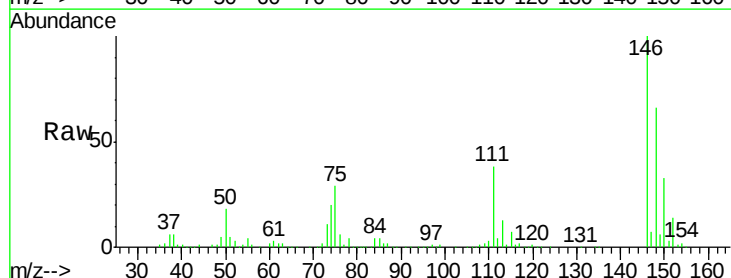
Manual Integrations
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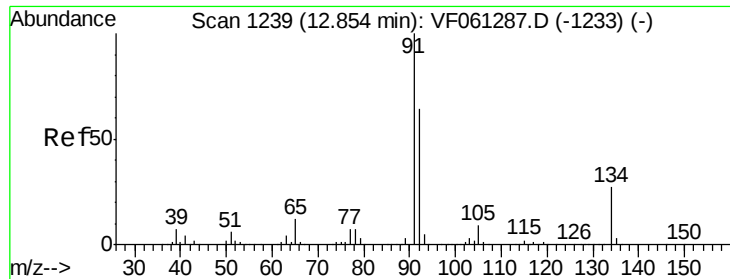
MMDadoda
 1/14/2019 1:16:27 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.195 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061361.D
 Acq: 11 Jan 2019 11:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	21.4	64.2
148	66.2	33.0	98.9





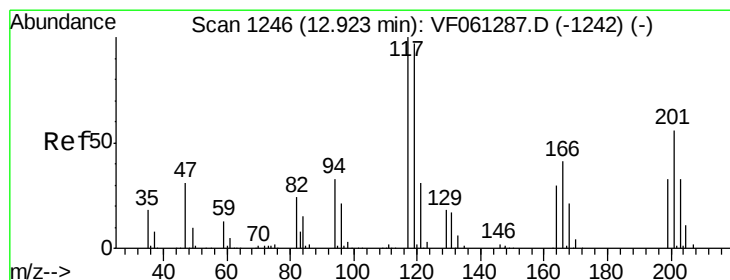
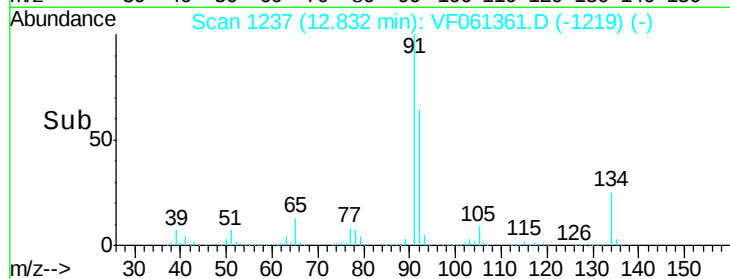
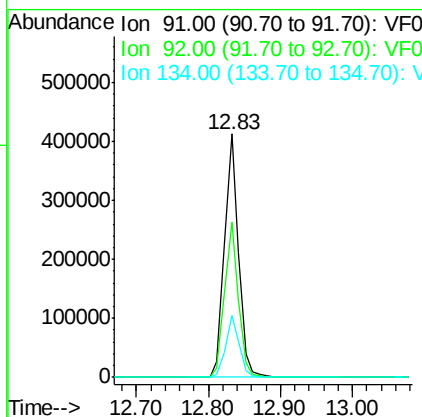
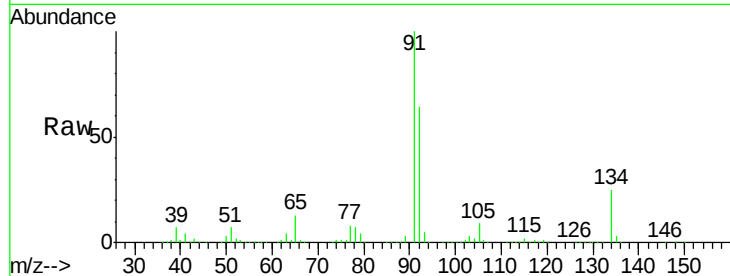
#89
n-Butylbenzene
Concen: 47.232 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.0	32.1	96.3
134	25.3	13.4	40.1

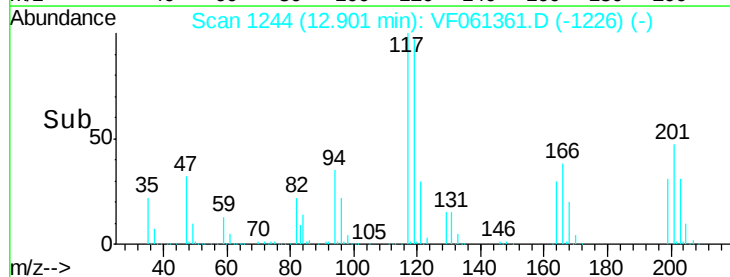
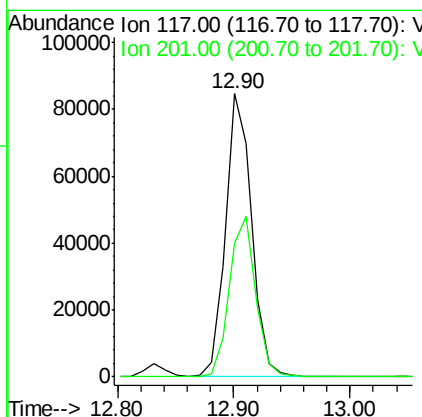
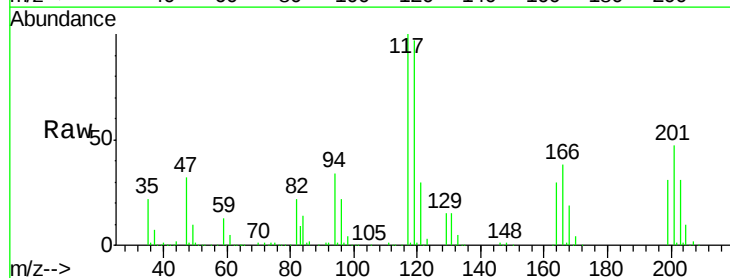
Manual Integrations
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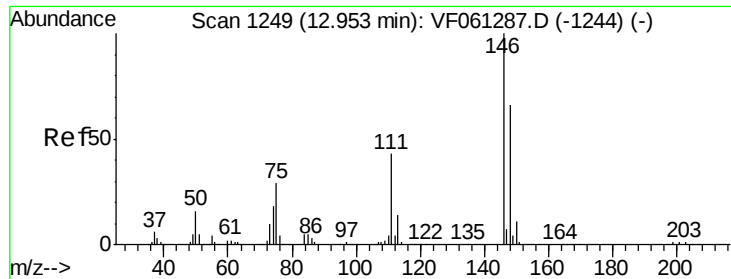
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#90
Hexachloroethane
Concen: 50.331 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.02 min
Lab File: VF061361.D
Acq: 11 Jan 2019 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	47.1	27.9	83.7





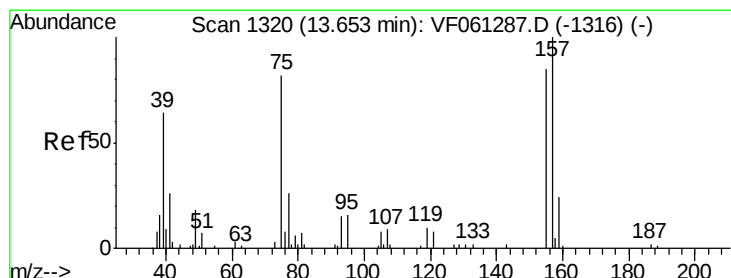
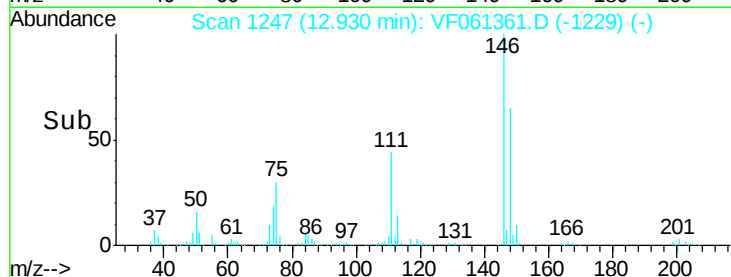
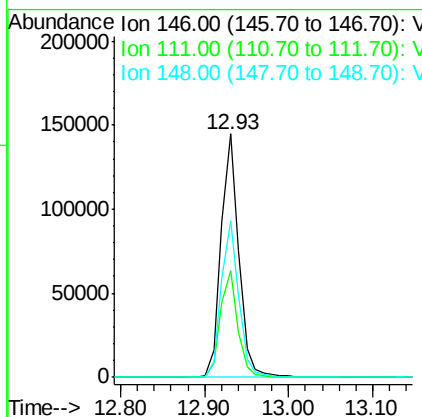
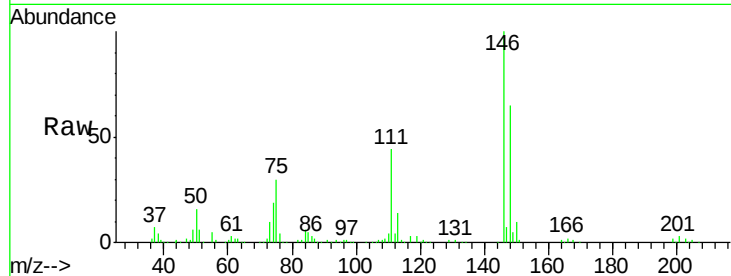
#91
 1,2-Dichlorobenzene
 Concen: 45.871 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF061361.D
 Acq: 11 Jan 2019 11:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	211263		
111	44.0	21.4	64.3	
148	64.5	33.1	99.2	

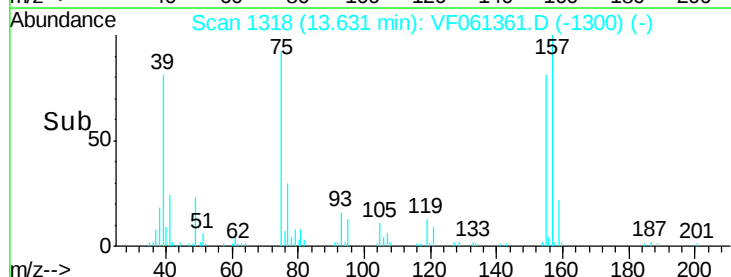
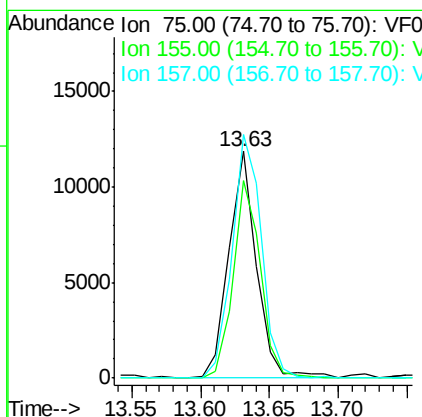
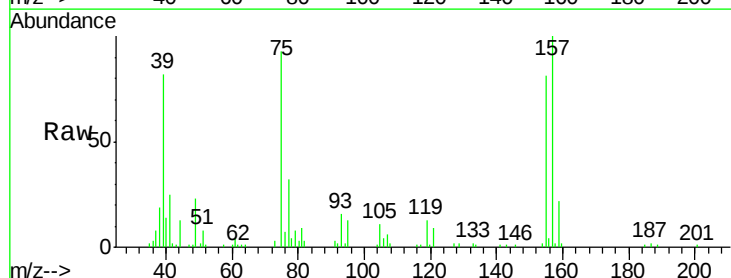
Manual Integrations
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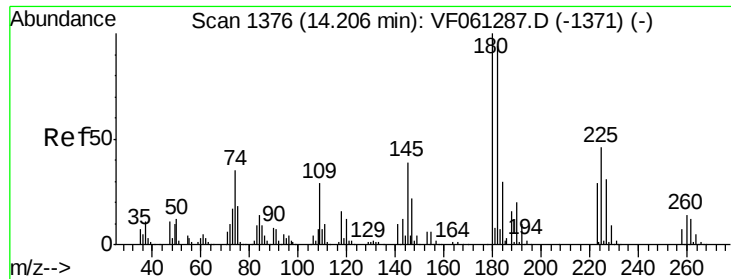
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.089 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF061361.D
 Acq: 11 Jan 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16666		
155	87.3	51.3	154.0	
157	107.4	60.7	182.0	





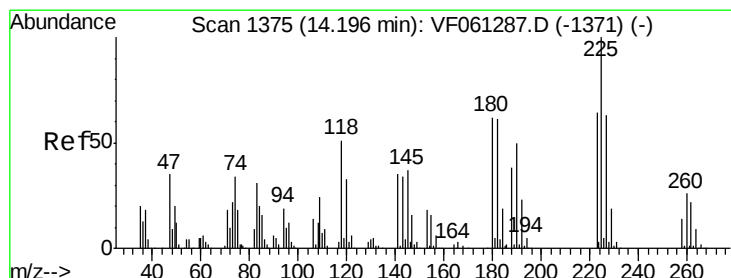
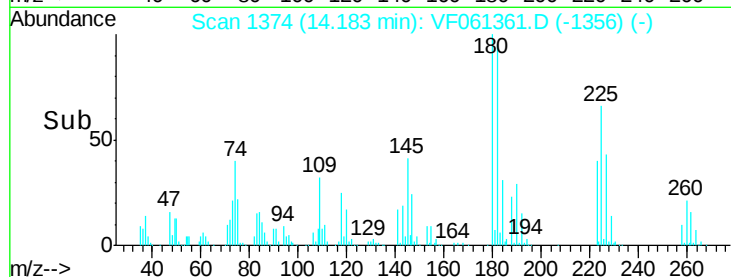
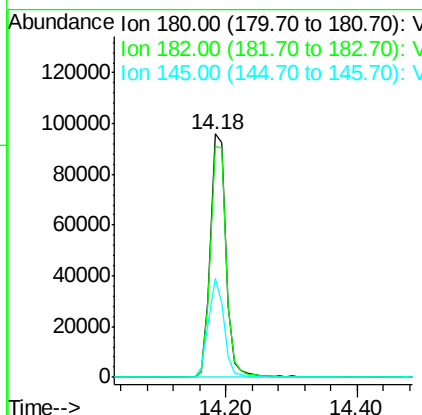
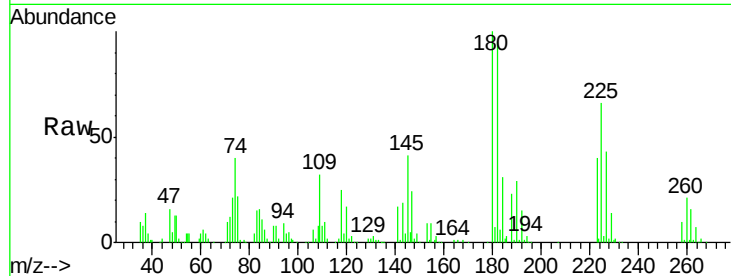
#93
 1,2,4-Trichlorobenzene
 Concen: 49.221 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF061361.D
 Acq: 11 Jan 2019 11:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	156001		
182	94.8	47.0	141.2	
145	40.9	19.7	59.1	

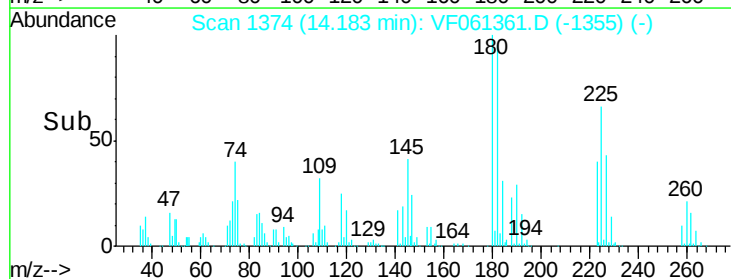
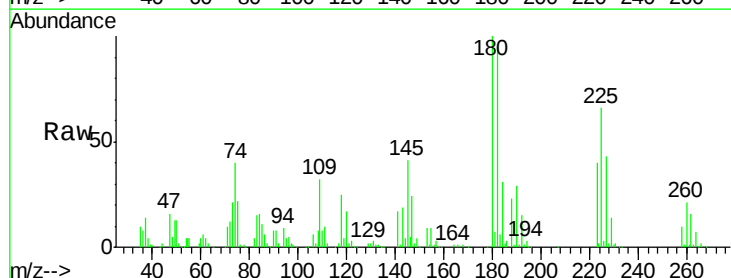
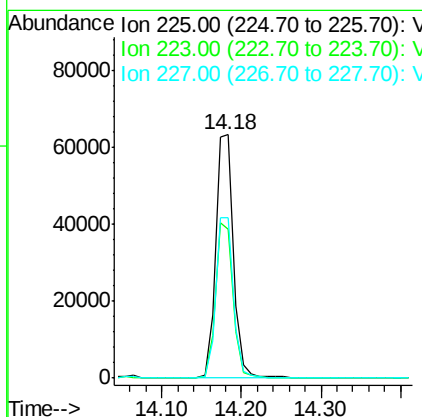
Manual Integrations
 APPROVED

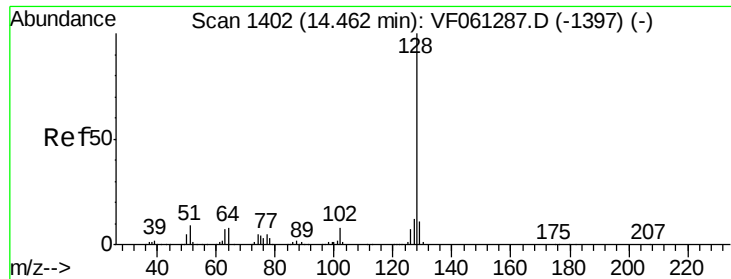
MMDadoda
 1/14/2019 1:16:27 PM



#94
 Hexachlorobutadiene
 Concen: 49.198 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061361.D
 Acq: 11 Jan 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	100382		
223	61.2	31.8	95.4	
227	65.6	31.3	93.9	





#95

Naphthalene

Concen: 48.902 ug/l

RT: 14.44 min Scan# 1400

Delta R.T. -0.02 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Instrument :

MSVOA_F

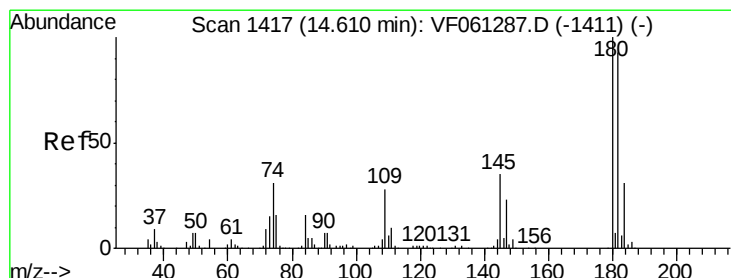
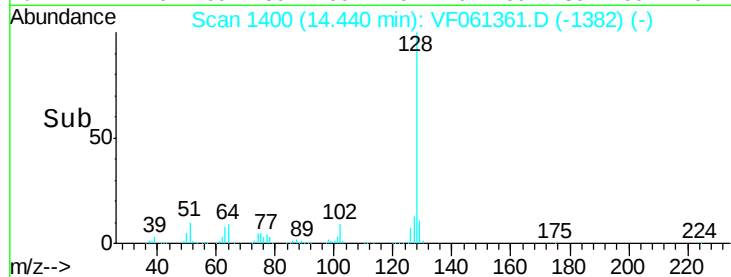
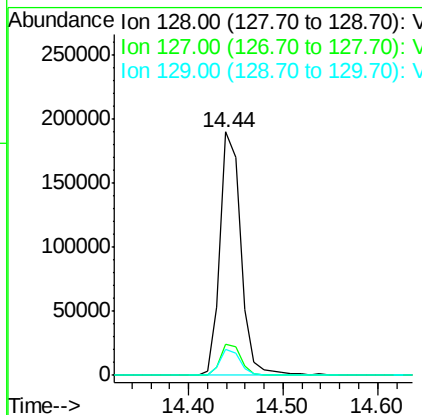
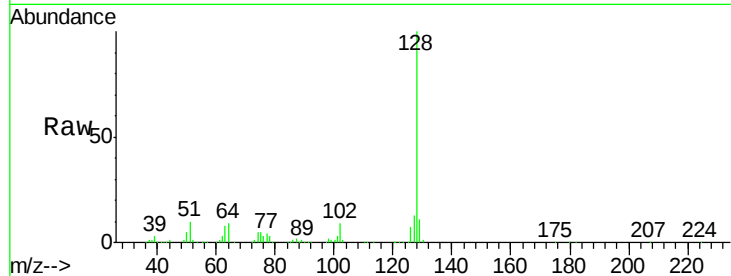
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	292080
Ion Ratio	Lower	Upper	
128	100		
127	12.6	9.4	14.0
129	10.8	8.8	13.2

Manual Integrations
APPROVED

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1/14/2019 1:16:27 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.682 ug/l

RT: 14.59 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VF061361.D

Acq: 11 Jan 2019 11:37

Tgt Ion:	180	Resp:	142355
Ion Ratio	Lower	Upper	
180	100		
182	96.1	46.5	139.3
145	37.7	17.5	52.6

