

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061533.D
 Acq On : 3 Apr 2019 1:48
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 1:03:10 PM

Quant Time: Apr 03 04:58:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	621962	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	1128506	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	886451	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	409118	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	289906	54.56	ug/l	0.03
Spiked Amount 50.000			Recovery	=	109.12%	
35) Dibromofluoromethane	6.93	113	438802	50.88	ug/l	0.03
Spiked Amount 50.000			Recovery	=	101.76%	
50) Toluene-d8	10.42	98	994746	48.09	ug/l	0.03
Spiked Amount 50.000			Recovery	=	96.18%	
62) 4-Bromofluorobenzene	13.56	95	384471	48.47	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	331344	49.884	ug/l	97
3) Chloromethane	1.76	50	236384	43.636	ug/l	99
4) Vinyl Chloride	1.86	62	251340	50.532	ug/l	99
5) Bromomethane	2.17	94	54005	54.755	ug/l #	95
6) Chloroethane	2.29	64	77219	52.940	ug/l	96
7) Trichlorofluoromethane	2.54	101	351392	48.584	ug/l	97
8) Diethyl Ether	2.89	74	118479	50.878	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.17	101	397530	51.124	ug/l	99
10) Methyl Iodide	3.32	142	565422	47.982	ug/l	100
11) Tert butyl alcohol	4.08	59	94775	286.433	ug/l	96
12) 1,1-Dichloroethene	3.14	96	342813	51.351	ug/l	97
13) Acrolein	3.05	56	48721	187.534	ug/l	93
14) Allyl chloride	3.64	41	503800	54.106	ug/l	98
15) Acrylonitrile	4.22	53	324321	282.406	ug/l	98
16) Acetone	3.23	43	333933	244.495	ug/l	99
17) Carbon Disulfide	3.40	76	1026923	47.345	ug/l	99
18) Methyl Acetate	3.65	43	164187	57.175	ug/l	98
19) Methyl tert-butyl Ether	4.26	73	634910	54.942	ug/l	97
20) Methylene Chloride	3.83	84	418807	54.926	ug/l	96
21) trans-1,2-Dichloroethene	4.24	96	374365	51.940	ug/l	99
22) Diisopropyl ether	5.14	45	1103432	56.000	ug/l	99
23) Vinyl Acetate	5.07	43	2866383	267.805	ug/l	97
24) 1,1-Dichloroethane	5.00	63	612887	52.926	ug/l	99
25) 2-Butanone	6.09	43	455302	265.009	ug/l	99
26) 2,2-Dichloropropane	6.04	77	472768	51.358	ug/l	97
27) cis-1,2-Dichloroethene	6.06	96	431139	54.596	ug/l	98
28) Bromochloromethane	6.45	49	269133	57.575	ug/l #	93
29) Tetrahydrofuran	6.47	42	236540	284.051	ug/l	99
30) Chloroform	6.68	83	681712	56.974	ug/l	100
31) Cyclohexane	6.97	56	465996	50.923	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	569690	53.968	ug/l	98
36) 1,1-Dichloropropene	7.16	75	429567	43.614	ug/l	98
37) Ethyl Acetate	6.19	43	236556	56.158	ug/l	96
38) Carbon Tetrachloride	7.13	117	528132m	46.664	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	514646	50.170	ug/l	95
40) Benzene	7.46	78	1239063	50.126	ug/l	97
41) Methacrylonitrile	6.45	41	273475	55.526	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	401797	54.340	ug/l	99
43) Isopropyl Acetate	9.25	43	346533	56.541	ug/l #	99
44) Trichloroethene	8.56	130	457024	49.681	ug/l	96
45) 1,2-Dichloropropane	8.95	63	322739	51.490	ug/l	99
46) Dibromomethane	9.07	93	223890	53.069	ug/l	94
47) Bromodichloromethane	9.38	83	507116	53.555	ug/l	99
48) Methyl methacrylate	9.13	41	177591	52.504	ug/l	99
49) 1,4-Dioxane	9.09	88	42099	1128.419	ug/l	90
51) 4-Methyl-2-Pentanone	10.31	43	1025259	274.961	ug/l	98
52) Toluene	10.52	92	742226	49.218	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	440795	51.237	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	530324	50.625	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	264329	50.120	ug/l	97
56) Ethyl methacrylate	11.05	69	304205	53.693	ug/l	99
57) 1,3-Dichloropropane	11.41	76	398125	51.359	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	775818	281.180	ug/l	97
59) 2-Hexanone	11.53	43	686791	254.218	ug/l	99
60) Dibromochloromethane	11.69	129	424294	52.186	ug/l	97
61) 1,2-Dibromoethane	11.81	107	291850	47.789	ug/l	97
64) Tetrachloroethene	11.26	164	328642	47.239	ug/l	97
65) Chlorobenzene	12.41	112	908614	50.155	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	371253	52.928	ug/l	98
67) Ethyl Benzene	12.52	91	1395864	50.480	ug/l	96
68) m/p-Xylenes	12.67	106	988840	94.403	ug/l	94
69) o-Xylene	13.06	106	512745	50.443	ug/l	96
70) Styrene	13.08	104	841046	47.465	ug/l	97
71) Bromoform	13.23	173	232885	52.375	ug/l	99
73) Isopropylbenzene	13.41	105	1268950	44.565	ug/l	99
74) N-amyl acetate	13.26	43	405302	51.097	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	295167	49.140	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	291000	49.240	ug/l	98
77) Bromobenzene	13.68	156	417795	49.493	ug/l	83
78) n-propylbenzene	13.77	91	1617958	46.432	ug/l	98
79) 2-Chlorotoluene	13.84	91	933798	49.354	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	1136393	51.437	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	84468	46.877	ug/l	97
82) 4-Chlorotoluene	13.95	91	1048885	50.984	ug/l	98
83) tert-Butylbenzene	14.19	119	1304428	47.245	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1096463	45.842	ug/l	99
85) sec-Butylbenzene	14.37	105	1394771	47.553	ug/l	98
86) p-Isopropyltoluene	14.49	119	1290851	52.046	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	669612	46.843	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	676413	48.523	ug/l	98
89) n-Butylbenzene	14.80	91	1028497	45.180	ug/l	100
90) Hexachloroethane	15.01	117	350868	50.074	ug/l	67
91) 1,2-Dichlorobenzene	14.81	146	554535	47.295	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	40825	57.950	ug/l	93

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QLast Update : Thu Mar 28 09:22:37 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	286614	53.661	ug/l	96
94) Hexachlorobutadiene	16.04	225	212437	50.898	ug/l	99
95) Naphthalene	16.13	128	438094	53.811	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	150664	64.102	ug/l	97

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

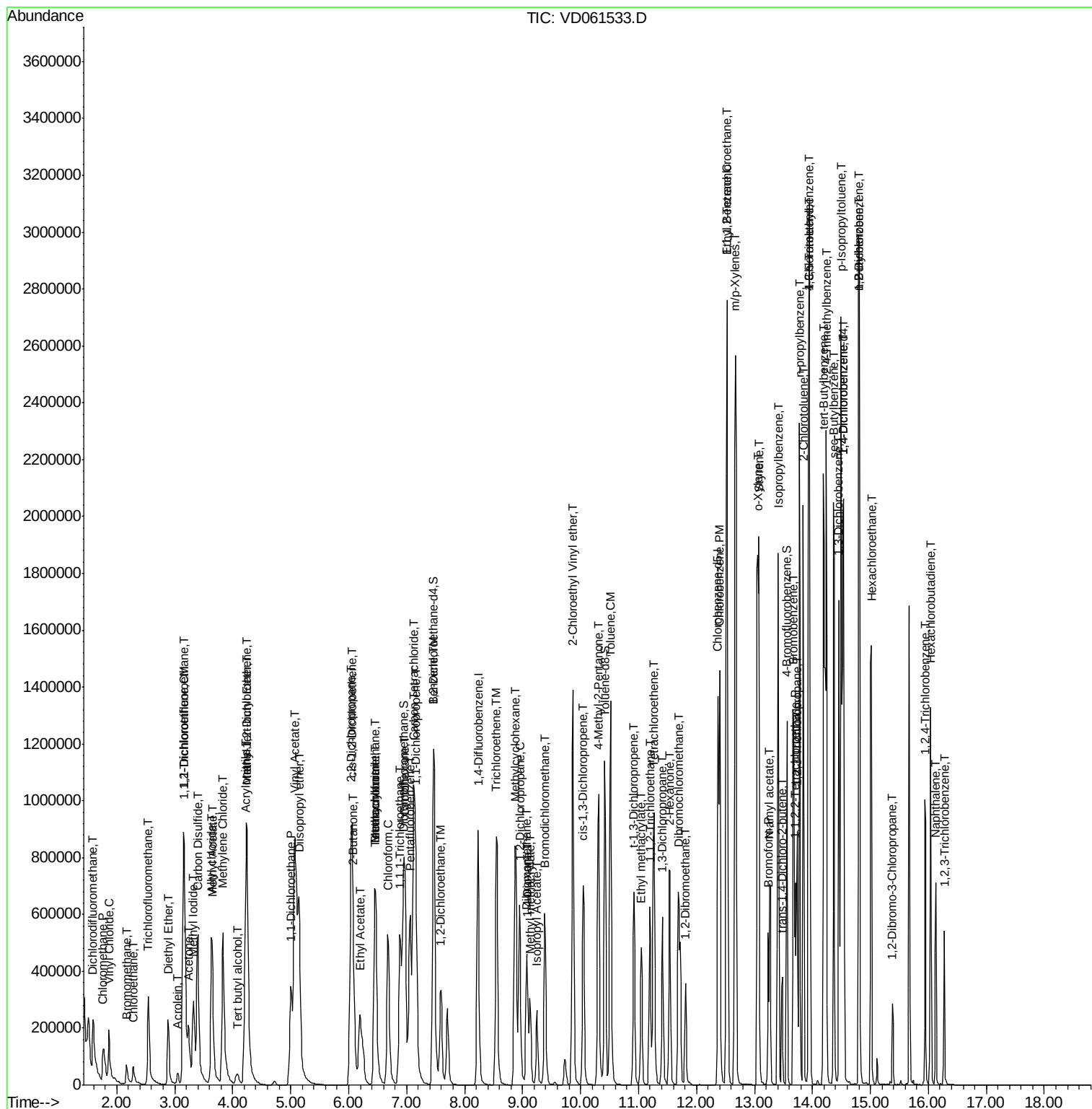
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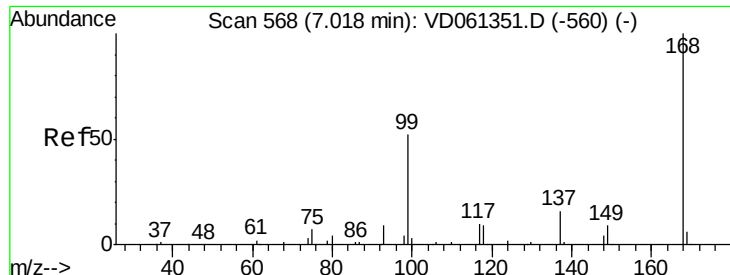
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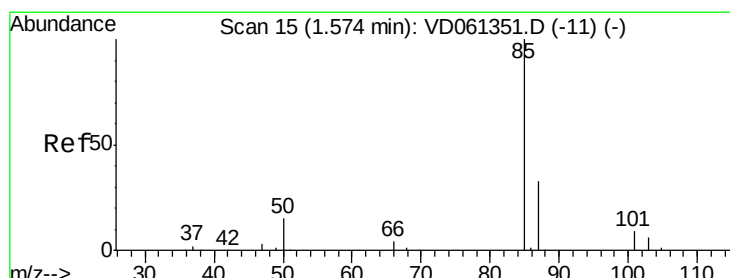
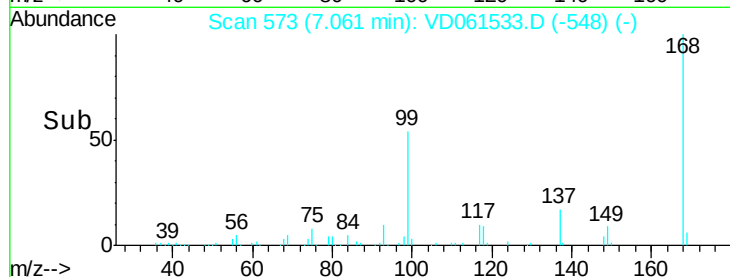
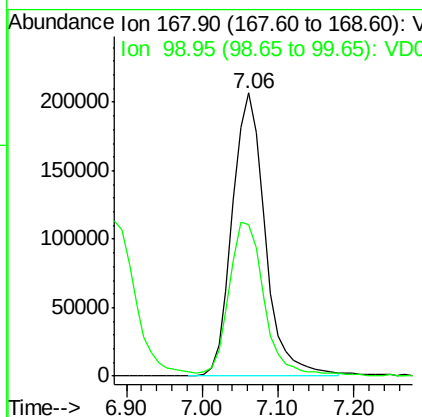
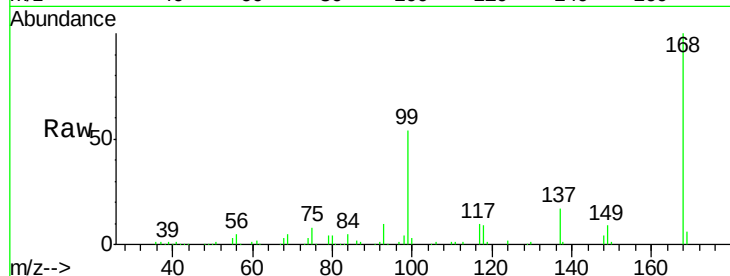
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.04 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 621962
Ion Ratio Lower Upper
168 100
99 53.5 43.1 64.7

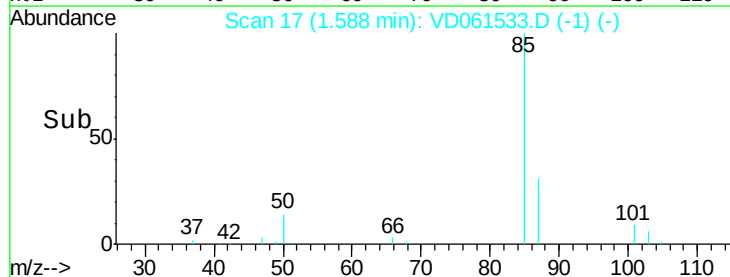
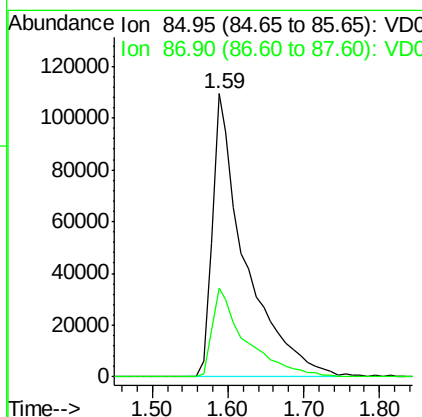
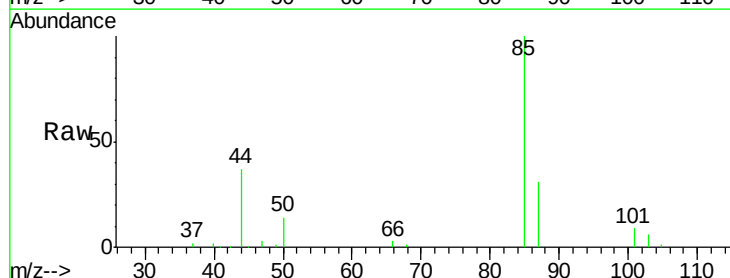
Manual Integrations
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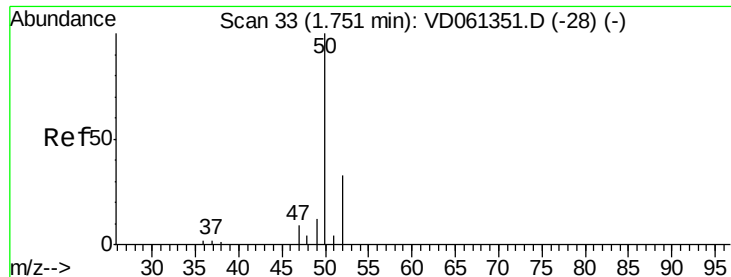
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#2
Dichlorodifluoromethane
Concen: 49.884 ug/l
RT: 1.59 min Scan# 17
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion: 85 Resp: 331344
Ion Ratio Lower Upper
85 100
87 31.4 16.6 49.7





#3

Chloromethane

Concen: 43.636 ug/l

RT: 1.76 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Tot Ion: 50 Resp: 236384

Ion Ratio Lower Upper

50 100

52 33.1 26.1 39.1

Instrument :

MSVOA_D

ClientSampleId :

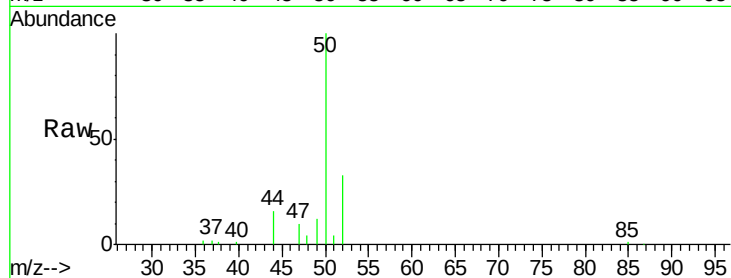
VSTDCCC050

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

80000

60000

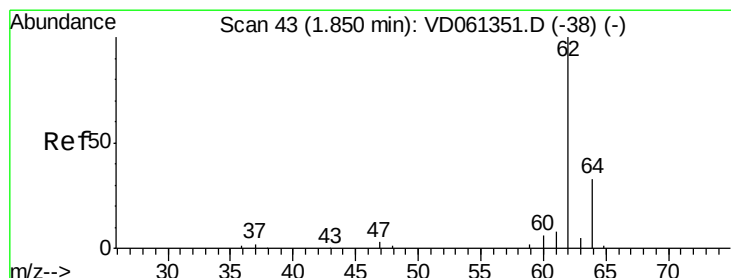
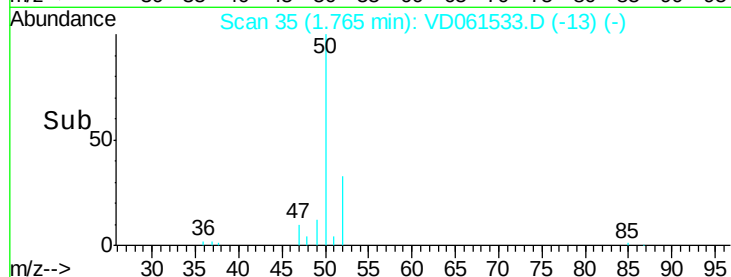
40000

20000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 50.532 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD061533.D

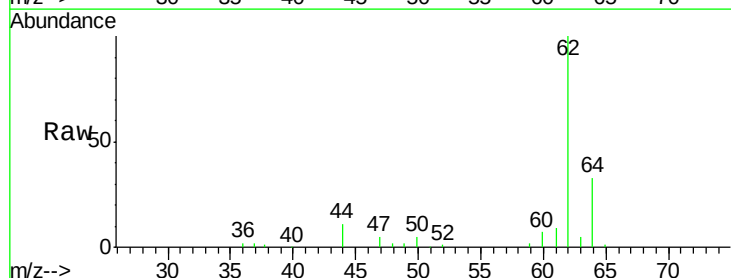
Acq: 3 Apr 2019 1:48

Tgt Ion: 62 Resp: 251340

Ion Ratio Lower Upper

62 100

64 32.8 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

120000

100000

80000

60000

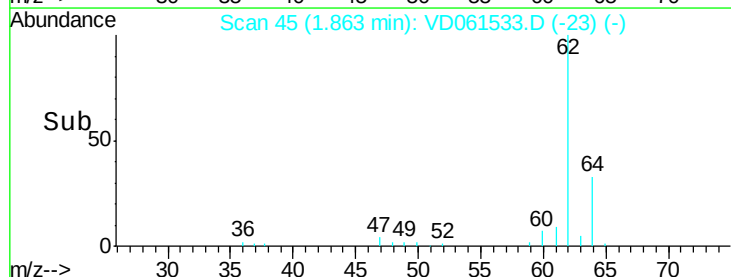
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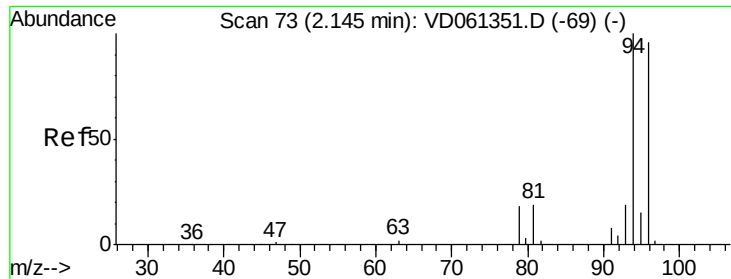
20000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 54.755 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.02 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

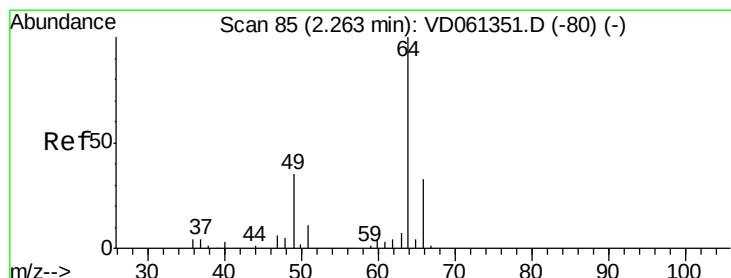
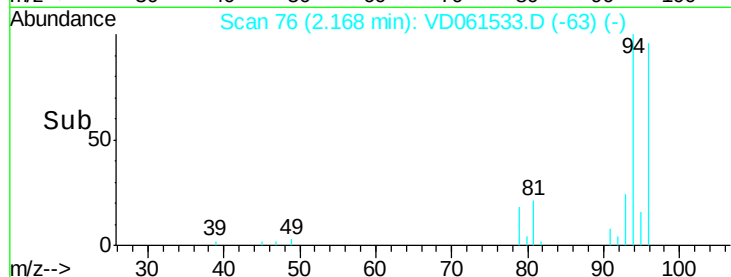
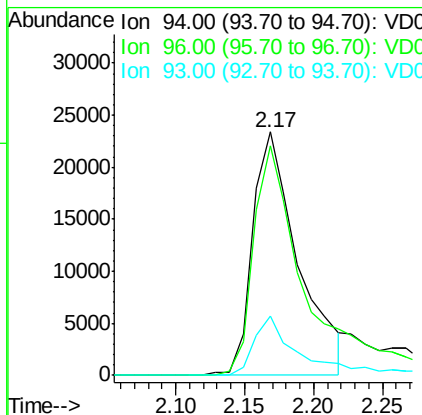
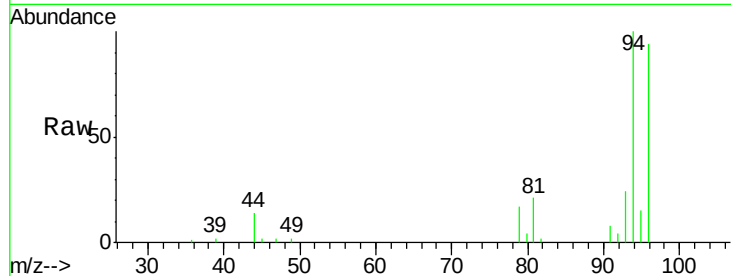
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	54005
Ion	Ratio	Lower	Upper
94	100		
96	94.1	78.3	117.5
93	24.1	15.6	23.4#

Manual Integrations
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#6

Chloroethane

Concen: 52.940 ug/l

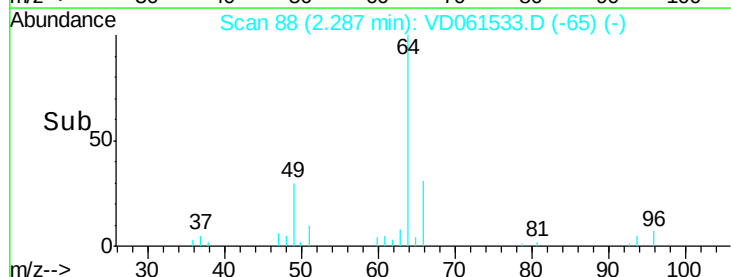
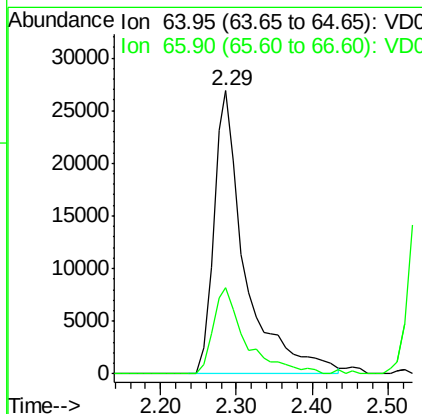
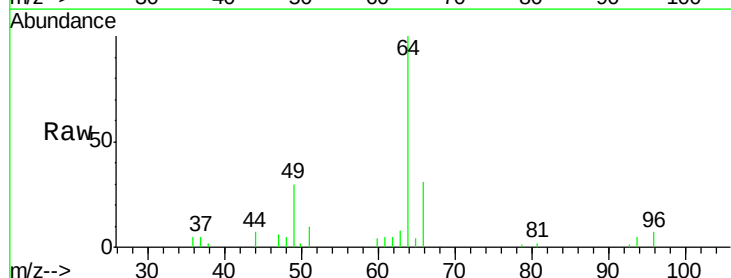
RT: 2.29 min Scan# 88

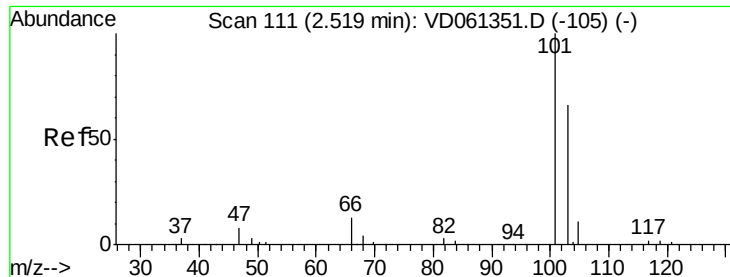
Delta R.T. 0.02 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Tgt Ion:	64	Resp:	77219
Ion	Ratio	Lower	Upper
64	100		
66	30.6	26.2	39.2





#7

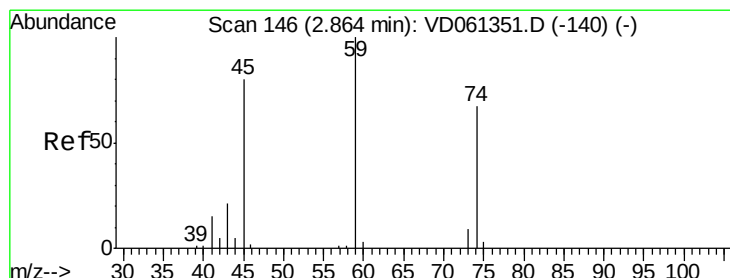
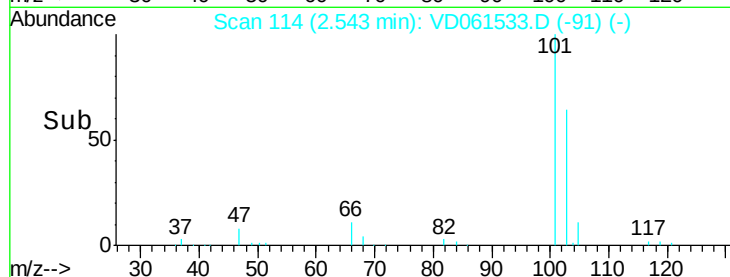
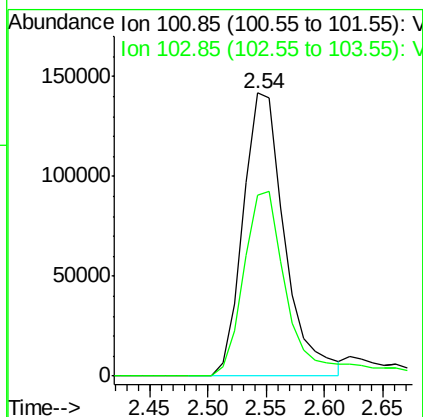
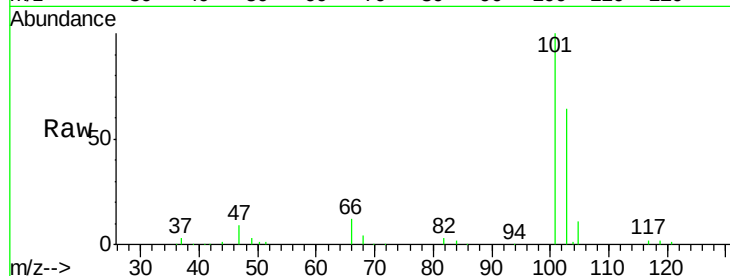
Trichlorofluoromethane
 Concen: 48.584 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. 0.02 min
 Lab File: VD061533.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	53.1	79.7

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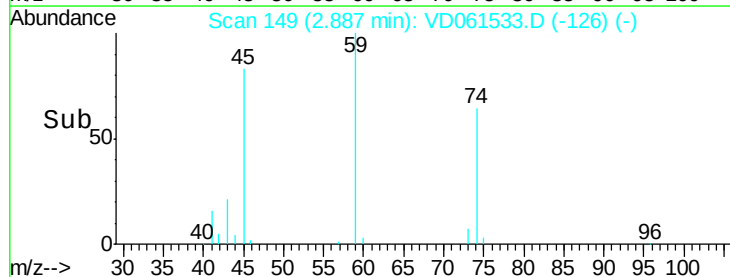
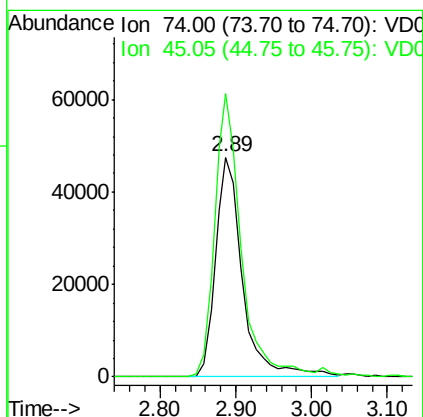
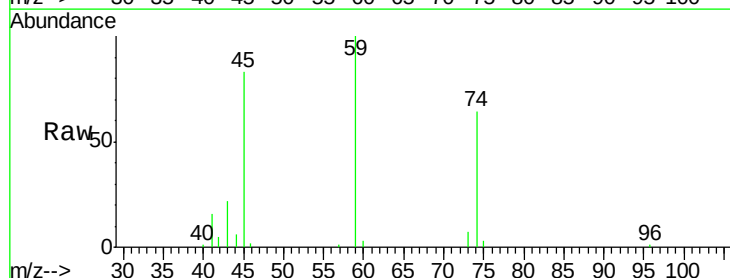
MMDadoda
 4/3/2019 1:03:10 PM

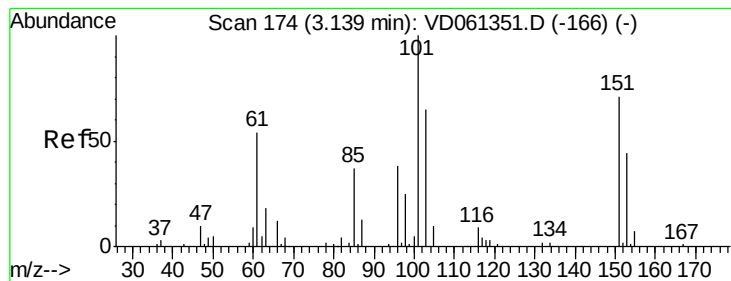


#8

Diethyl Ether
 Concen: 50.878 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.02 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	128.7	59.7	179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.124 ug/l

RT: 3.17 min Scan# 178

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

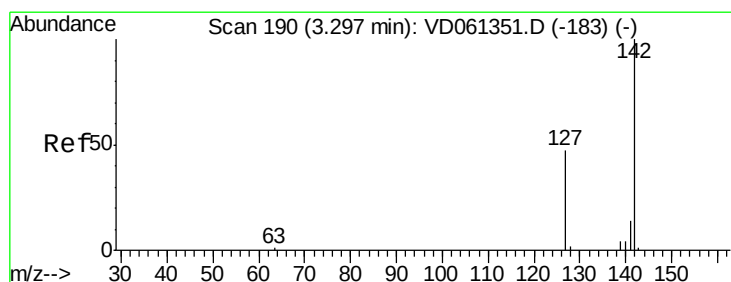
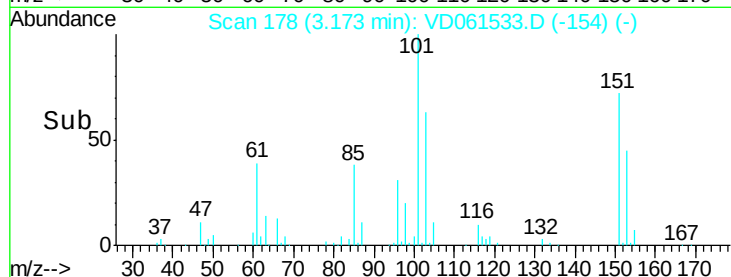
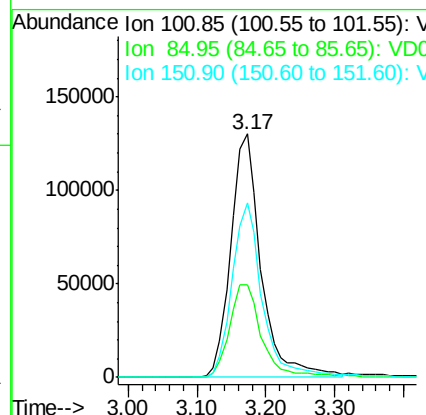
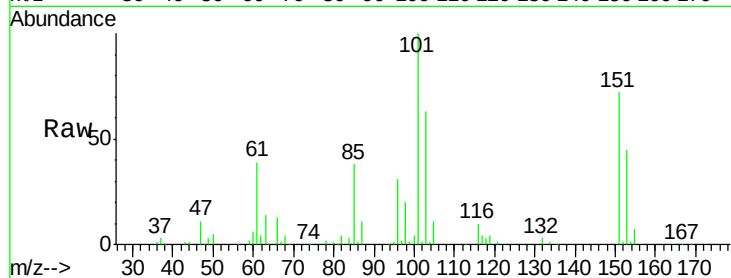
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	397530
Ion Ratio	Lower	Upper	
101	100		
85	37.9	29.4	44.0
151	71.6	57.0	85.4

Manual Integrations
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#10

Methyl Iodide

Concen: 47.982 ug/l

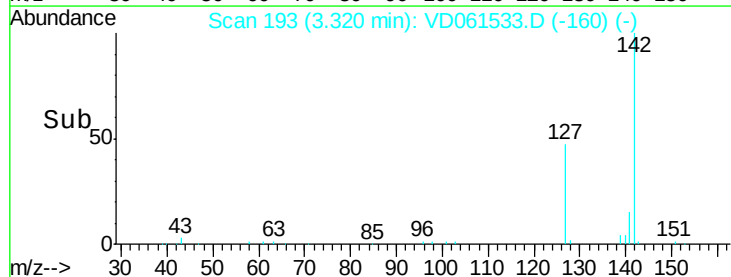
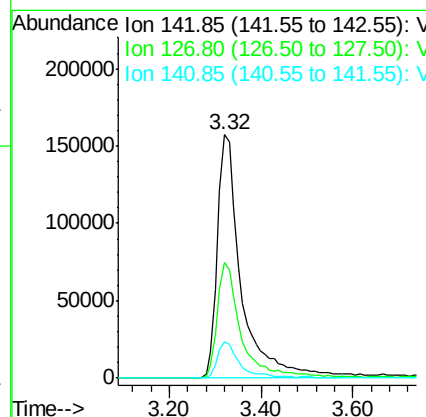
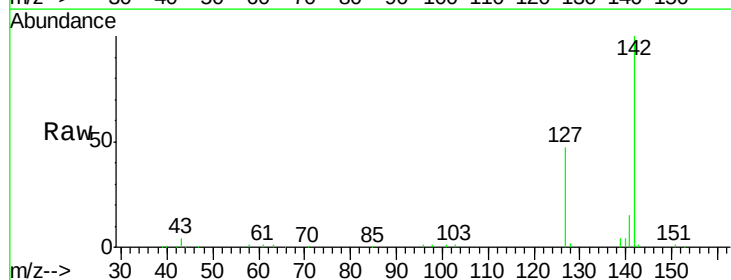
RT: 3.32 min Scan# 193

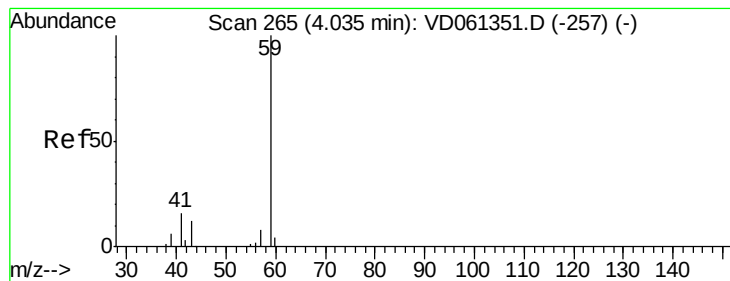
Delta R.T. 0.02 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Tgt Ion:	142	Resp:	565422
Ion Ratio	Lower	Upper	
142	100		
127	47.3	37.7	56.5
141	14.7	11.5	17.3





#11

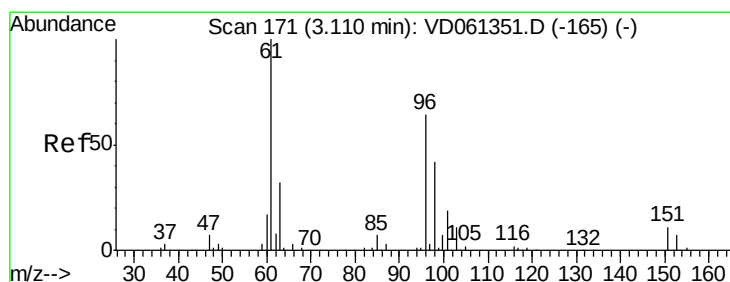
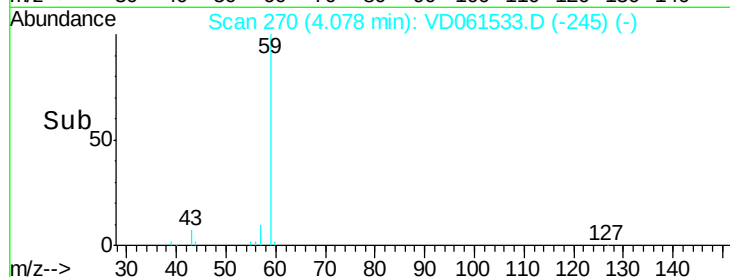
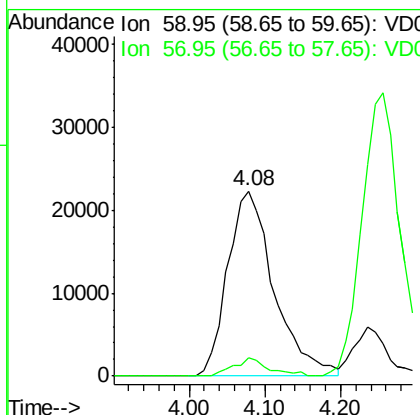
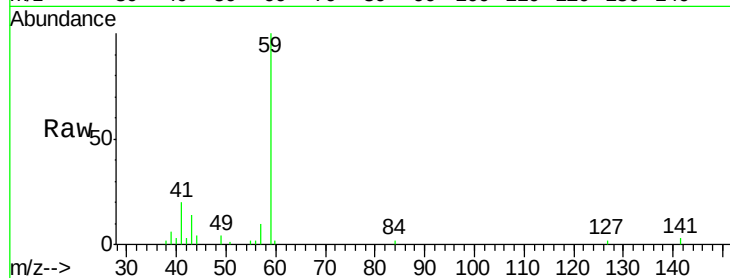
Tert butyl alcohol
Concen: 286.433 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.04 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 94775
Ion Ratio Lower Upper
59 100
57 9.7 6.7 10.1

Manual Integrations
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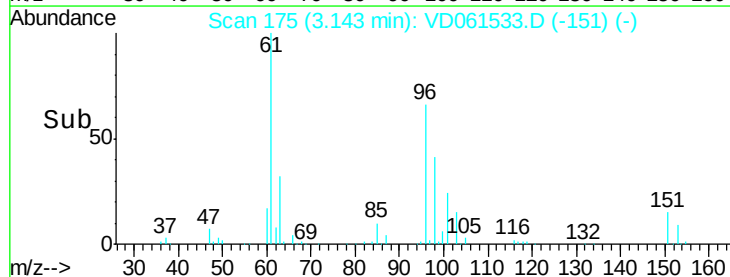
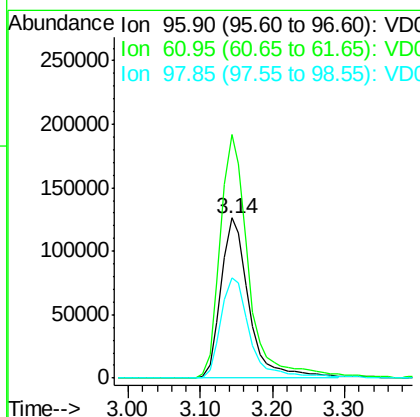
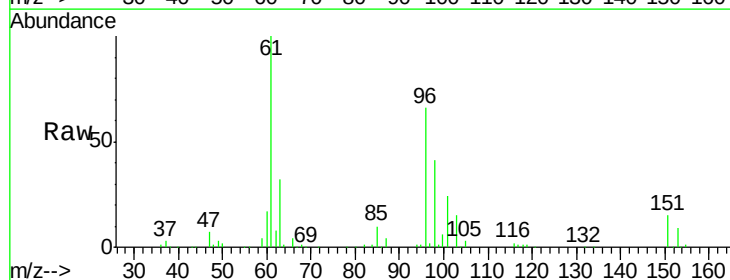
MMDadoda
4/3/2019 1:03:10 PM

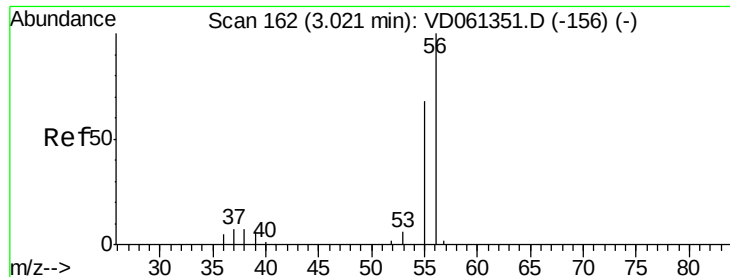


#12

1,1-Dichloroethene
Concen: 51.351 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.03 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion: 96 Resp: 342813
Ion Ratio Lower Upper
96 100
61 152.2 124.9 187.3
98 62.5 52.5 78.7





#13

Acrolein

Concen: 187.534 ug/l

RT: 3.05 min Scan# 166

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 48721

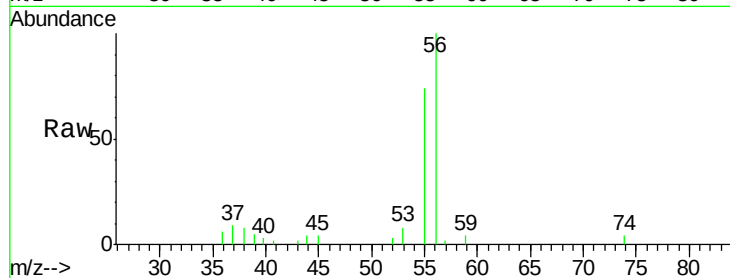
Ion Ratio Lower Upper

56 100

55 73.9 54.6 82.0

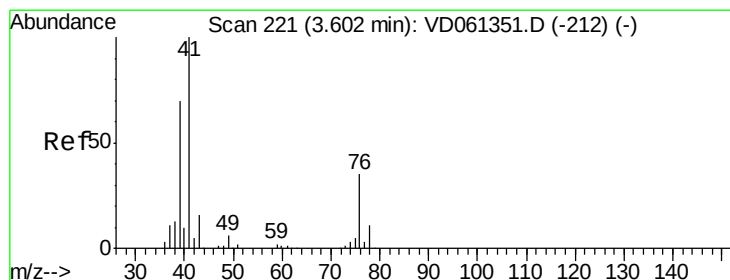
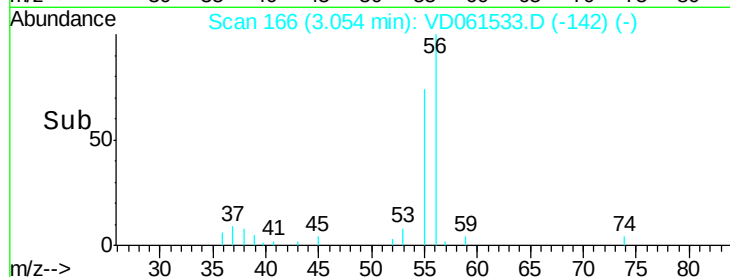
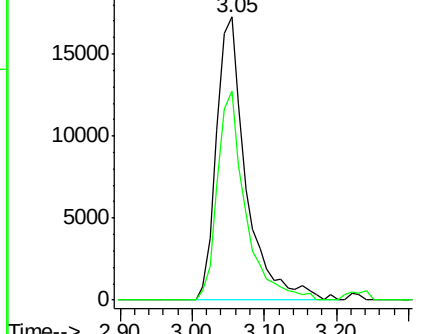
Manual Integrations
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 54.106 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

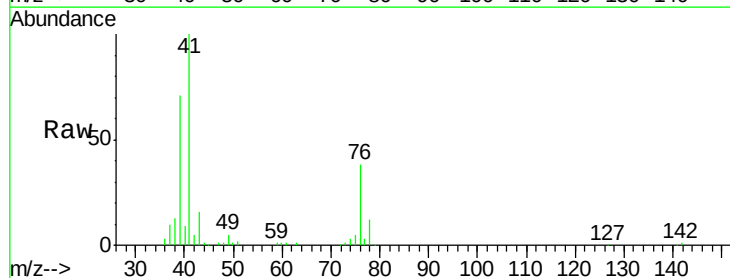
Tgt Ion: 41 Resp: 503800

Ion Ratio Lower Upper

41 100

39 70.9 55.6 83.4

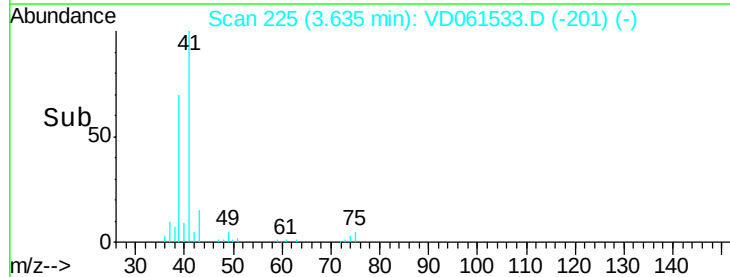
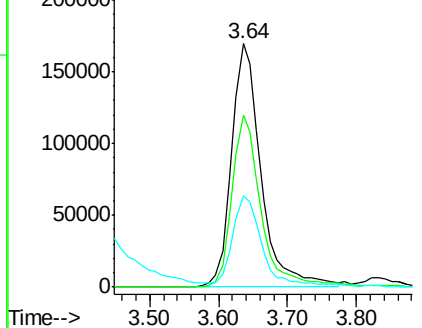
76 37.7 31.0 46.6

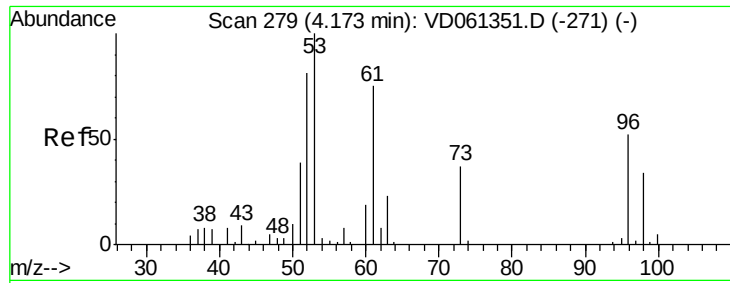


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





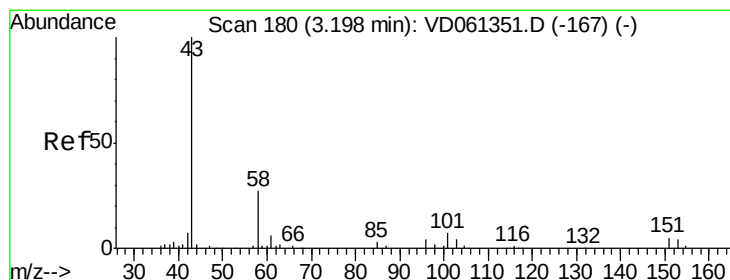
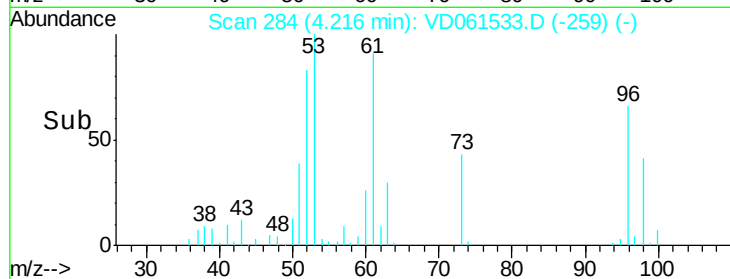
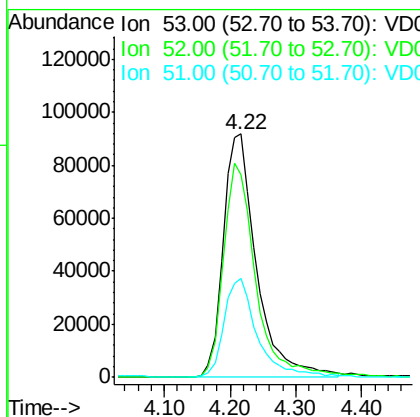
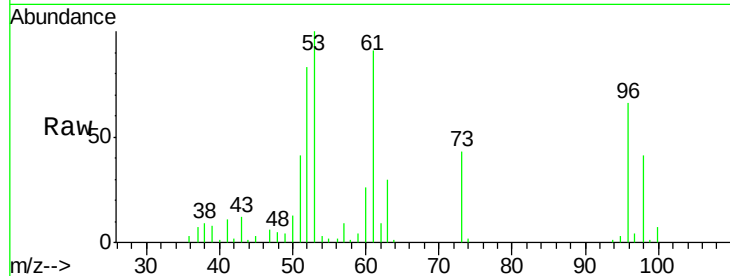
#15
 Acrylonitrile
 Concen: 282.406 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. 0.04 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.0	64.8	97.2
51	40.6	31.4	47.2

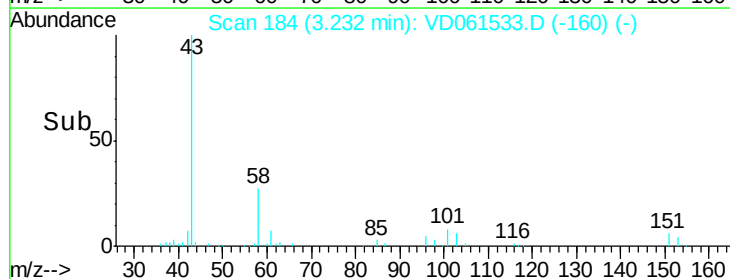
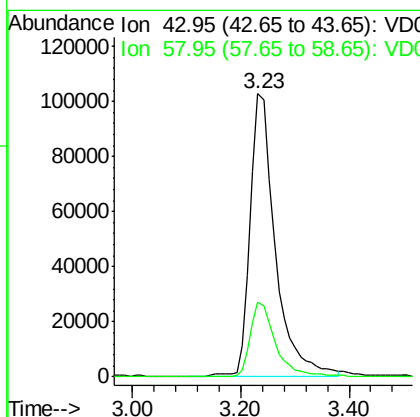
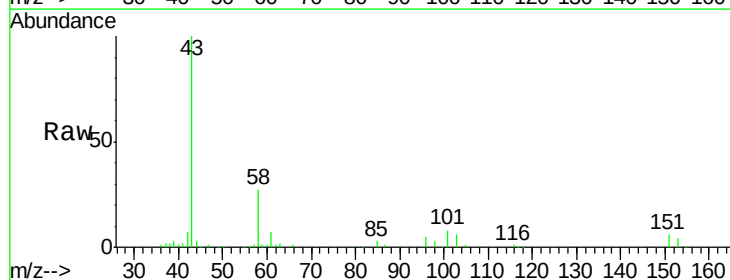
Manual Integrations
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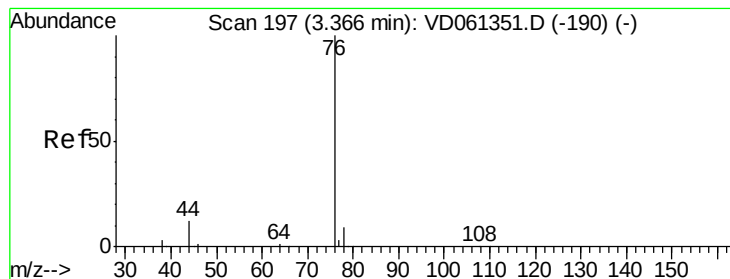
MMDadoda
 4/3/2019 1:03:10 PM



#16
 Acetone
 Concen: 244.495 ug/l
 RT: 3.23 min Scan# 184
 Delta R.T. 0.03 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.5	32.3





#17

Carbon Disulfide

Concen: 47.345 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Tot Ion: 76 Resp: 1026923

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

Instrument :

MSVOA_D

ClientSampleId :

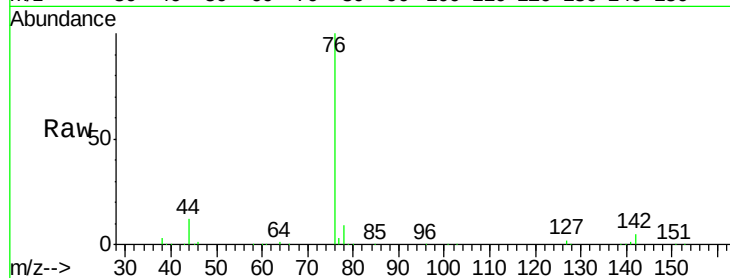
VSTDCCC050

Manual Integrations

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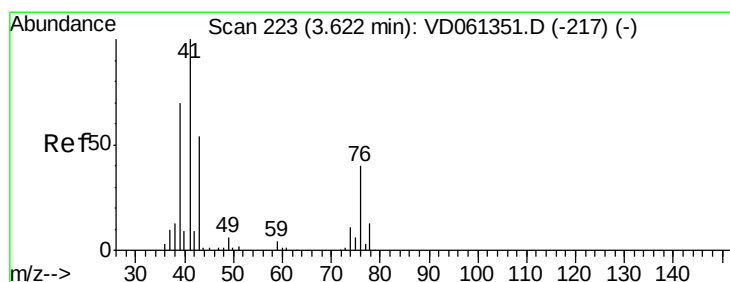
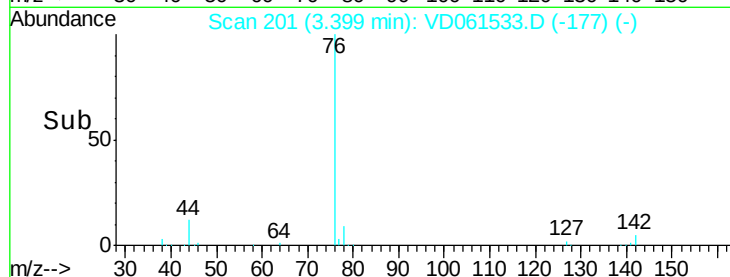
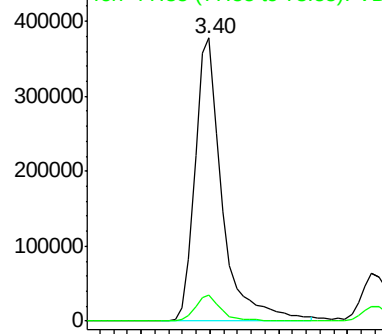
MMDadoda

4/3/2019 1:03:10 PM



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 57.175 ug/l

RT: 3.65 min Scan# 227

Delta R.T. 0.03 min

Lab File: VD061533.D

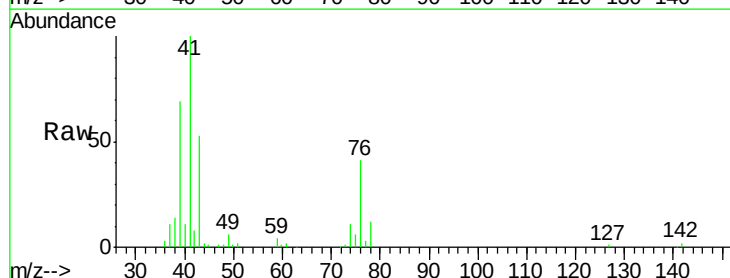
Acq: 3 Apr 2019 1:48

Tgt Ion: 43 Resp: 164187

Ion Ratio Lower Upper

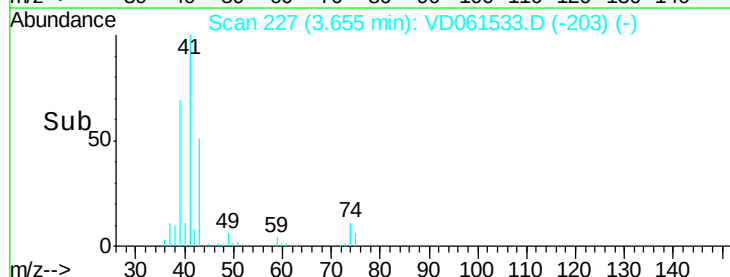
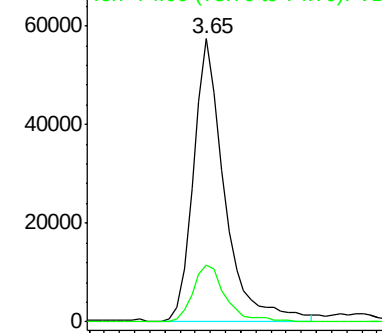
43 100

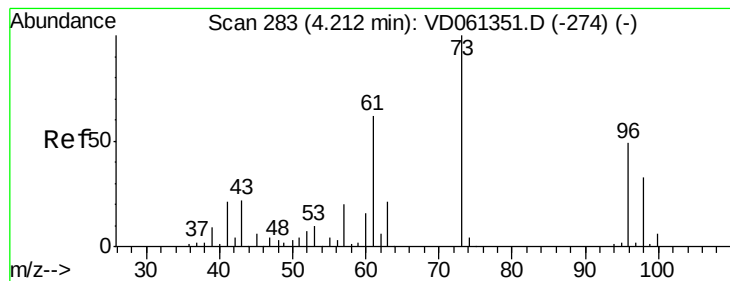
74 20.1 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

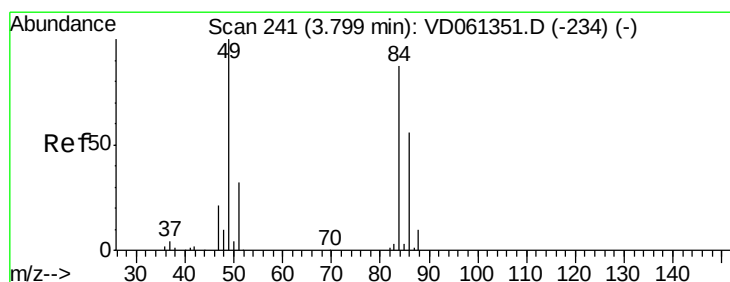
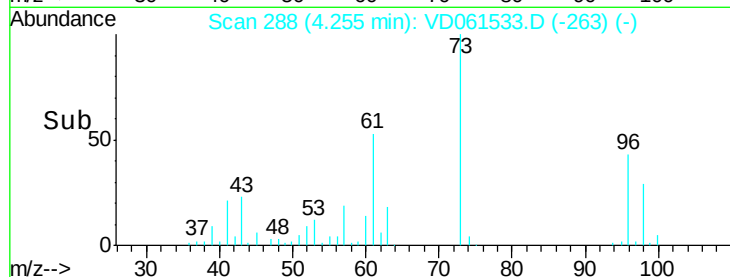
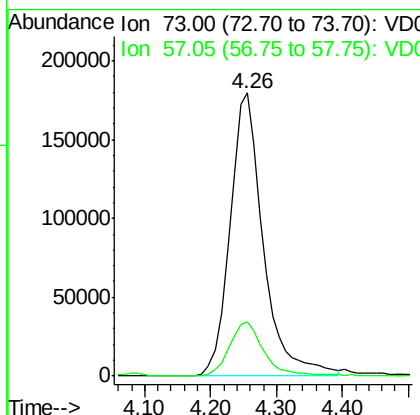
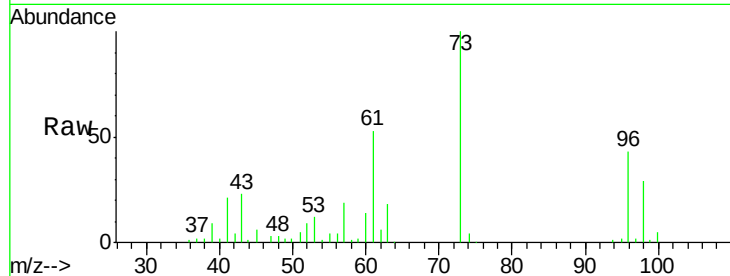
Methyl tert-butyl Ether
 Concen: 54.942 ug/l
 RT: 4.26 min Scan# 288
 Delta R.T. 0.04 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 634910
 Ion Ratio Lower Upper
 73 100
 57 19.0 16.4 24.6

Manual Integrations
 APPROVED

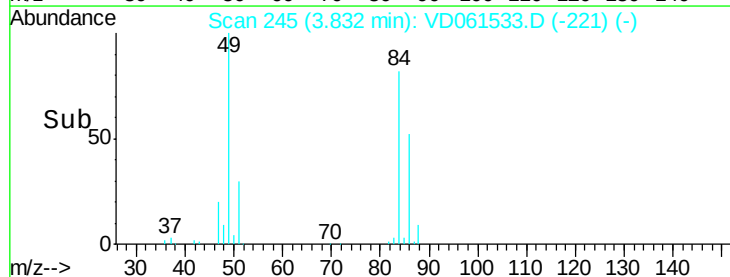
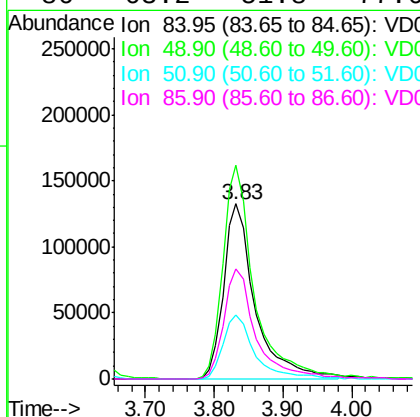
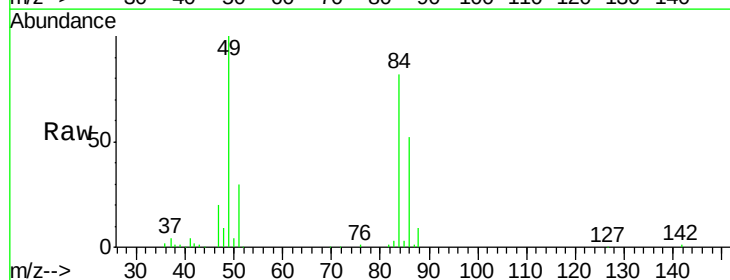
MMDadoda
 4/3/2019 1:03:10 PM

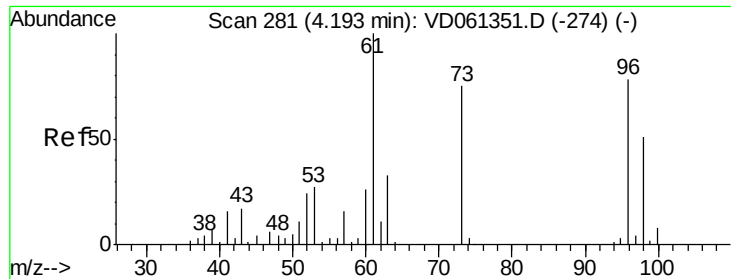


#20

Methylene Chloride
 Concen: 54.926 ug/l
 RT: 3.83 min Scan# 245
 Delta R.T. 0.03 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion: 84 Resp: 418807
 Ion Ratio Lower Upper
 84 100
 49 122.0 91.8 137.8
 51 36.8 29.8 44.8
 86 63.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 51.940 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.04 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 374365

Ion Ratio Lower Upper

96 100

61 129.4 102.7 154.1

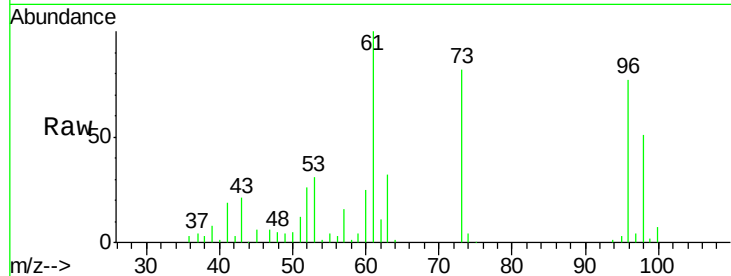
98 65.7 52.2 78.4

Manual Integrations

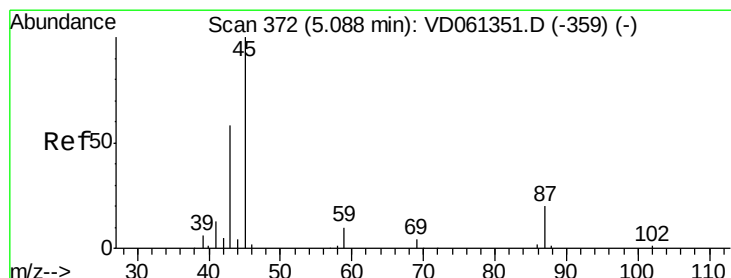
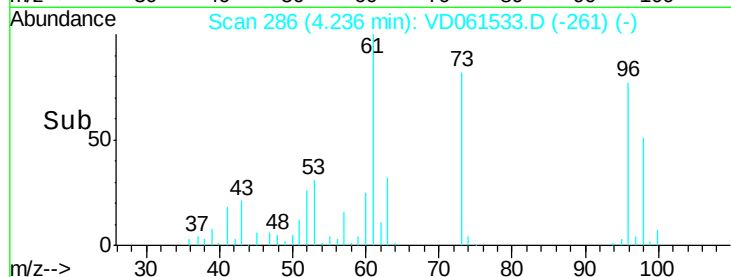
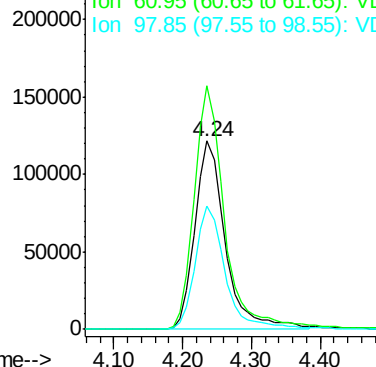
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4/3/2019 1:03:10 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 56.000 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.05 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Tgt Ion: 45 Resp: 1103432

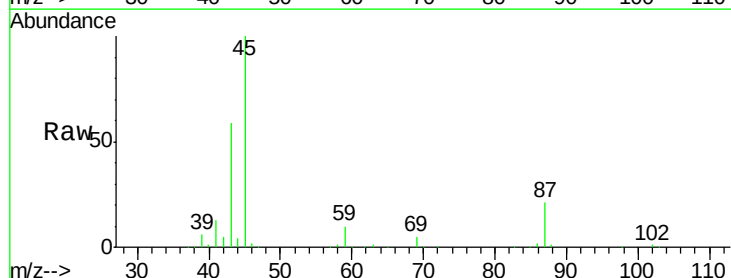
Ion Ratio Lower Upper

45 100

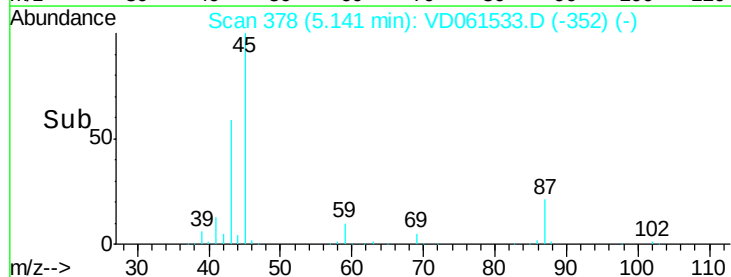
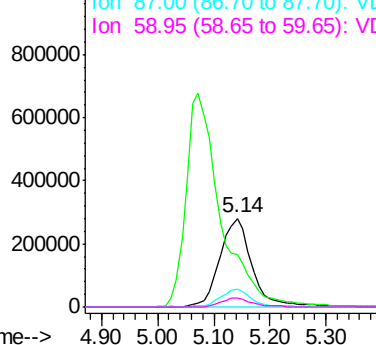
43 59.4 47.4 71.2

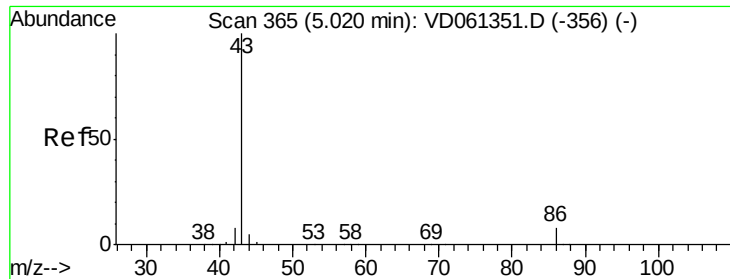
87 20.8 16.3 24.5

59 9.6 8.4 12.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 267.805 ug/l

RT: 5.07 min Scan# 371

Delta R.T. 0.05 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2866383

Ion Ratio Lower Upper

43 100

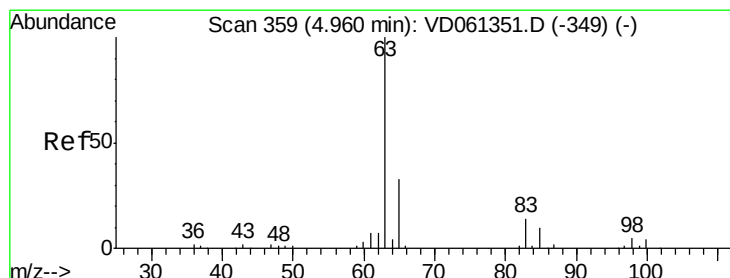
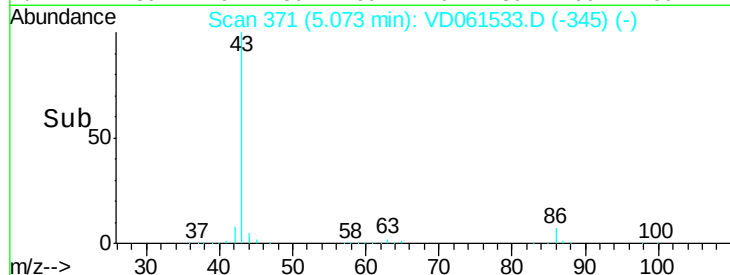
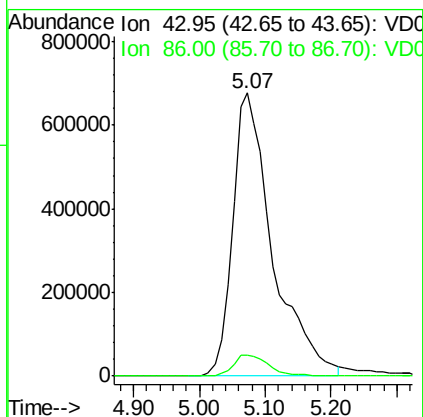
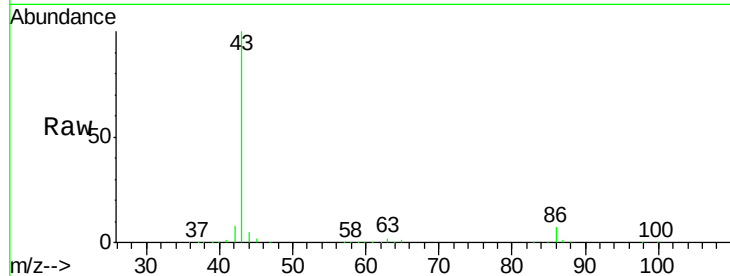
86 7.5 6.7 10.1

Manual Integrations

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MMDadoda

4/3/2019 1:03:10 PM



#24

1,1-Dichloroethane

Concen: 52.926 ug/l

RT: 5.00 min Scan# 364

Delta R.T. 0.04 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

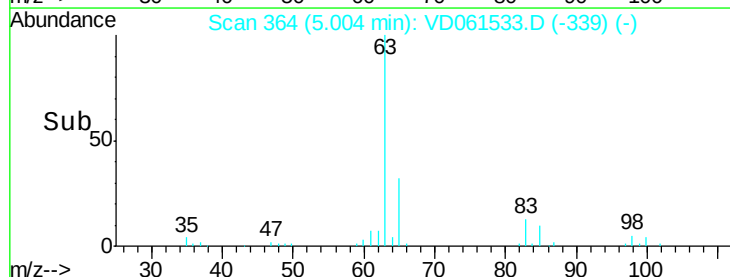
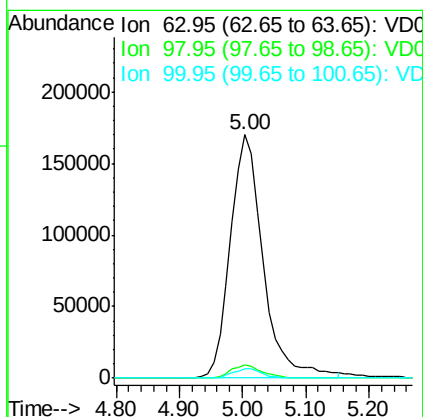
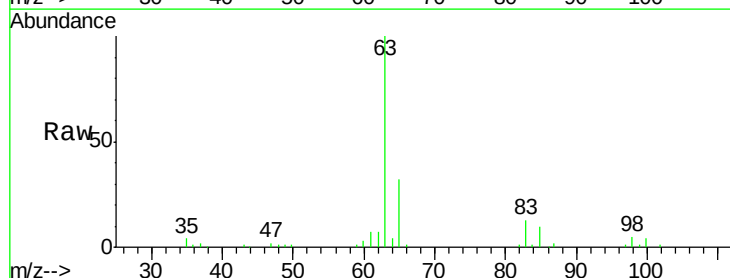
Tgt Ion: 63 Resp: 612887

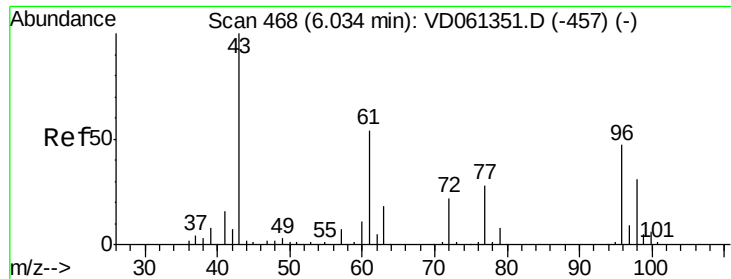
Ion Ratio Lower Upper

63 100

98 5.2 2.6 8.0

100 3.9 1.8 5.3





#25

2-Butanone

Concen: 265.009 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Tot Ion: 43 Resp: 455302

Ion Ratio Lower Upper

43 100

72 21.0 17.2 25.8

Instrument :

MSVOA_D

ClientSampleId :

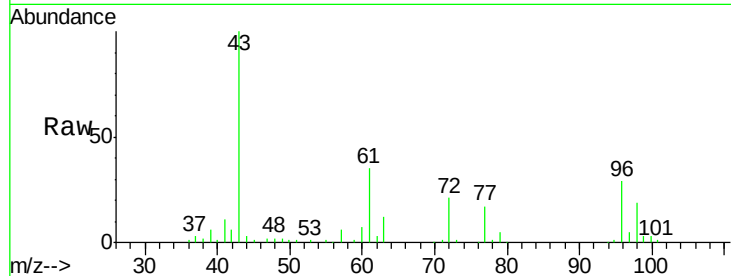
VSTDCCC050

Manual Integrations

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MMDadoda

4/3/2019 1:03:10 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

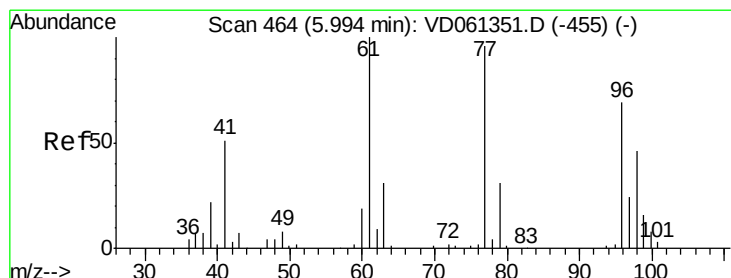
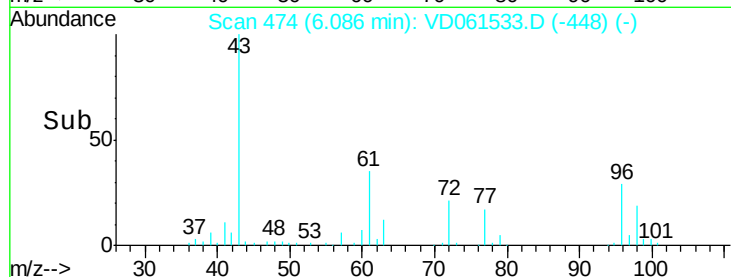
100000

50000

0

6.00 6.10 6.20

Time-->



#26

2,2-Dichloropropane

Concen: 51.358 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD061533.D

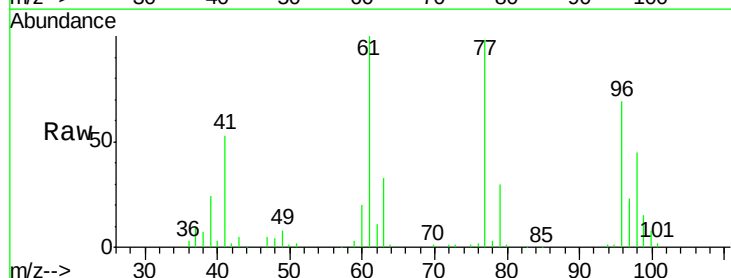
Acq: 3 Apr 2019 1:48

Tgt Ion: 77 Resp: 472768

Ion Ratio Lower Upper

77 100

97 23.9 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

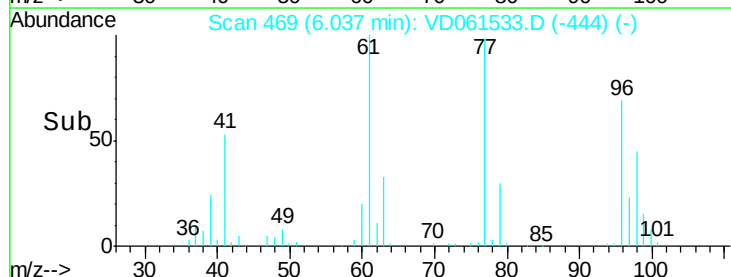
100000

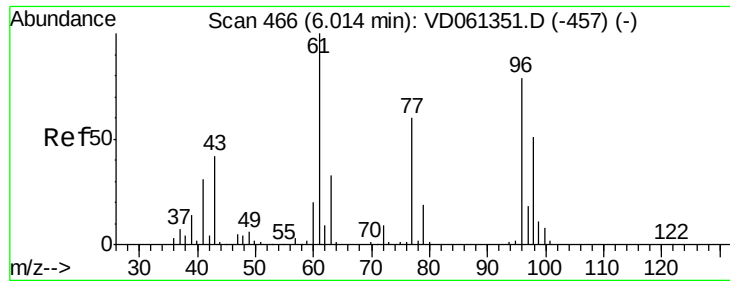
50000

0

5.90 6.00 6.10 6.20

Time-->





#27

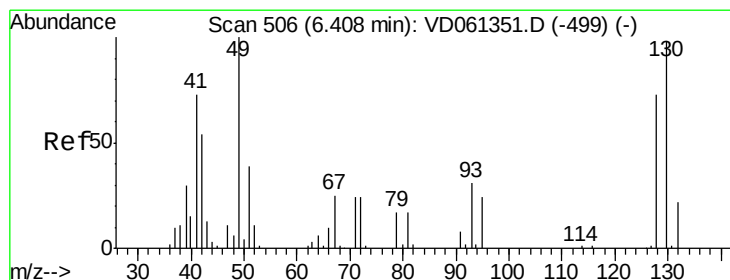
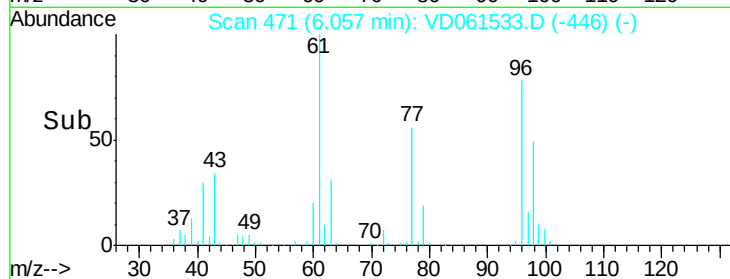
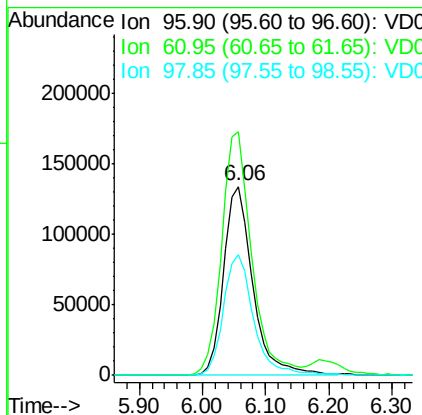
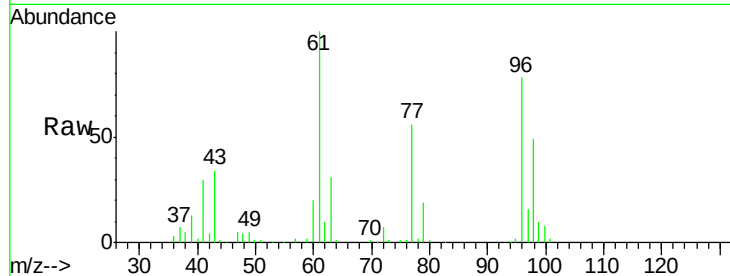
cis-1,2-Dichloroethene
Concen: 54.596 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.04 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	431139		
61	128.8	0.0	251.6	
98	63.6	0.0	129.2	

Manual Integrations
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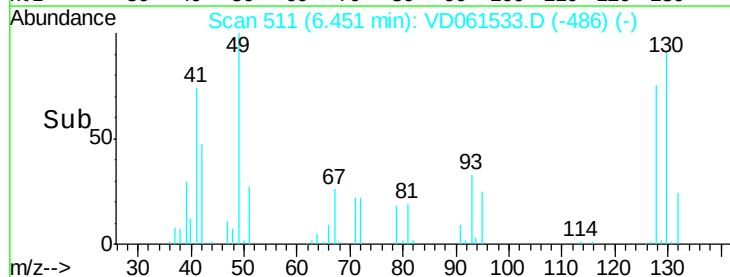
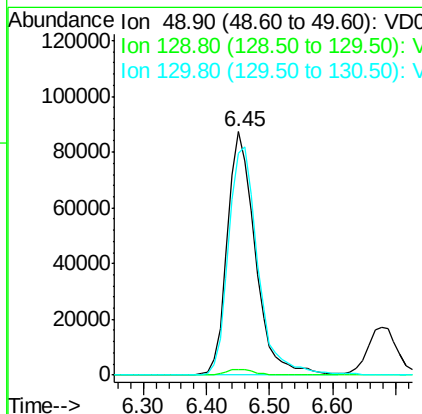
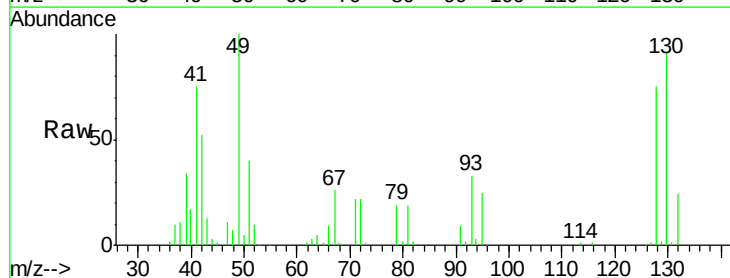
MMDadoda
4/3/2019 1:03:10 PM

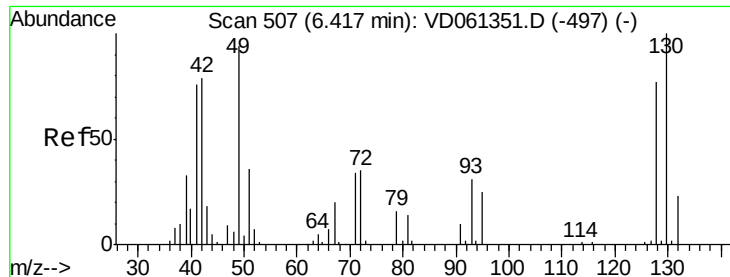


#28

Bromochloromethane
Concen: 57.575 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	269133		
129	2.4	0.0	0.0#	
130	91.3	78.4	117.6	





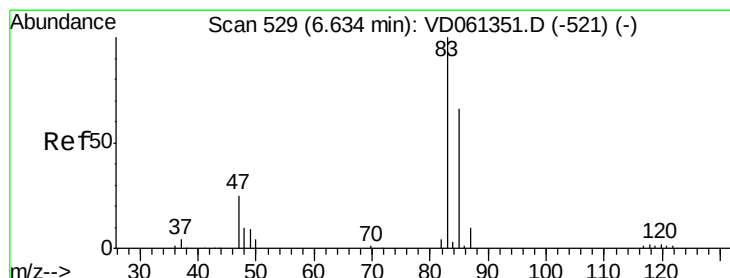
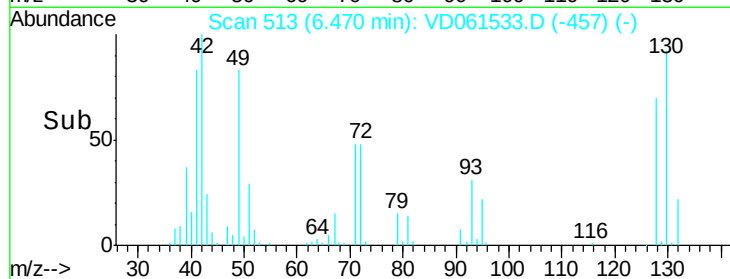
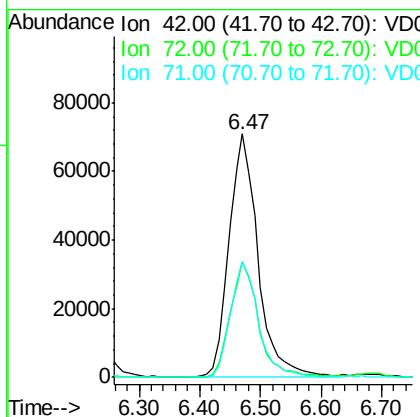
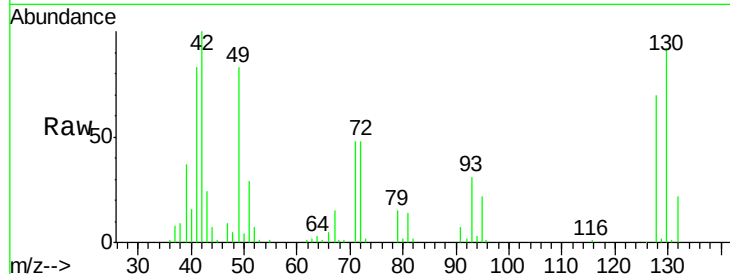
#29
Tetrahydrofuran
Concen: 284.051 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.4	56.0
71	45.6	36.7	55.1

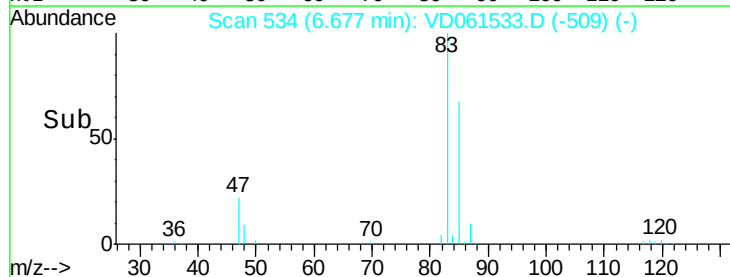
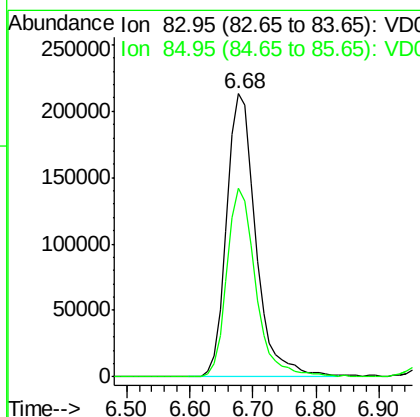
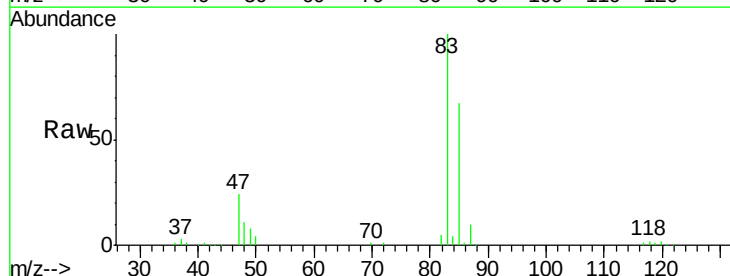
Manual Integrations
APPROVED

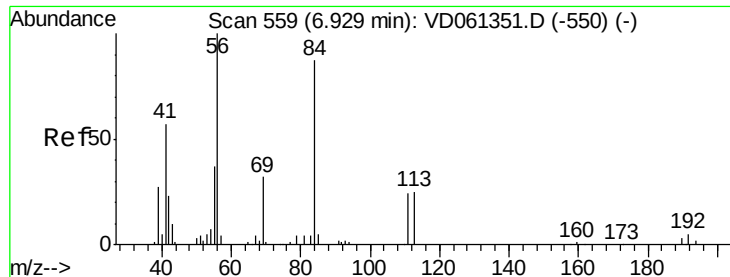
MMDadoda
4/3/2019 1:03:10 PM



#30
Chloroform
Concen: 56.974 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.04 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.0	79.4





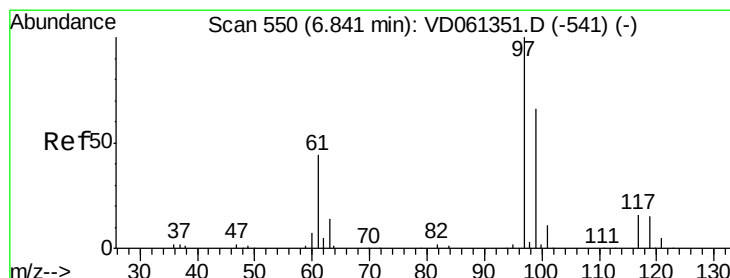
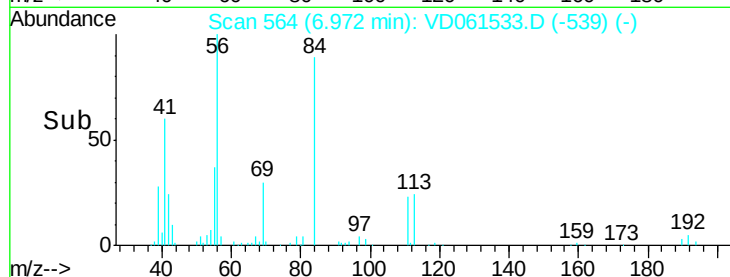
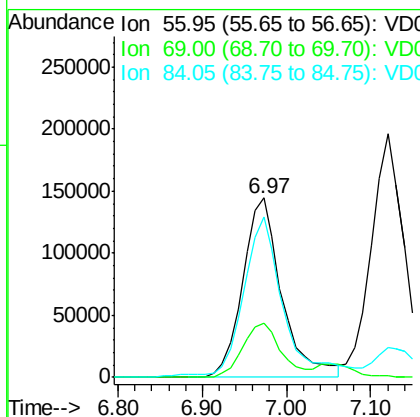
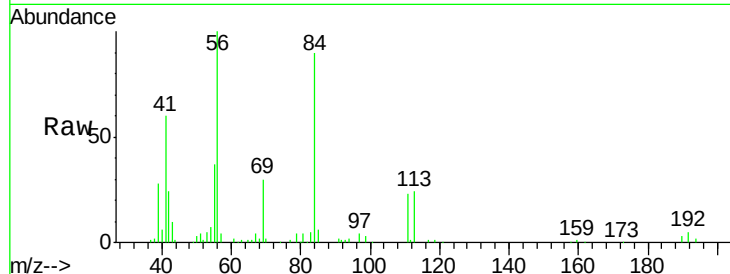
#31
Cyclohexane
Concen: 50.923 ug/l
RT: 6.97 min Scan# 564
Delta R.T. 0.04 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.7	38.5
84	89.6	70.6	105.8

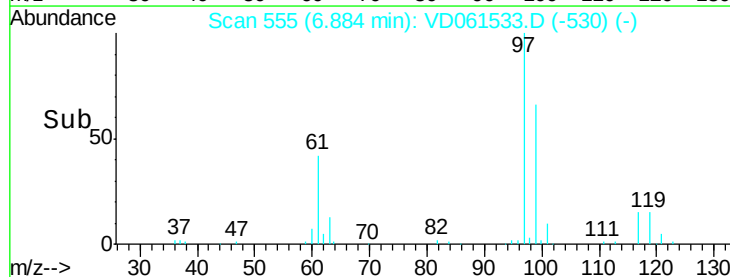
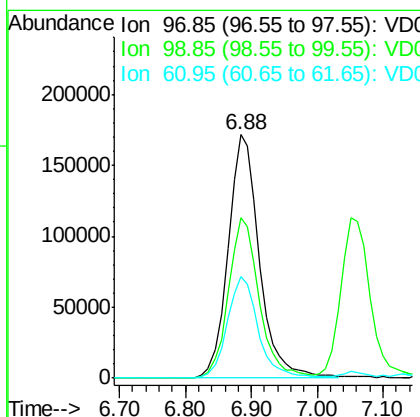
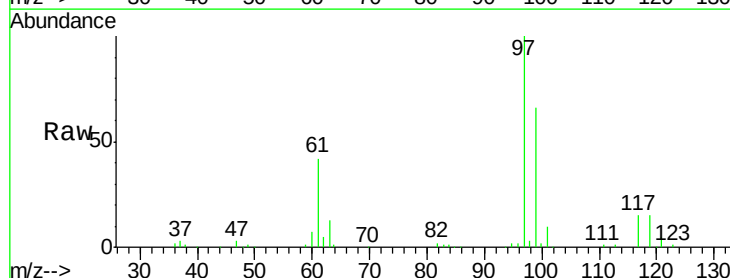
Manual Integrations
APPROVED

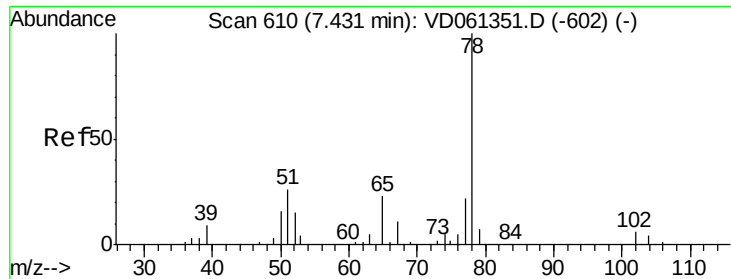
MMDadoda
4/3/2019 1:03:10 PM



#32
1,1,1-Trichloroethane
Concen: 53.968 ug/l
RT: 6.88 min Scan# 555
Delta R.T. 0.04 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	53.1	79.7
61	41.6	35.5	53.3





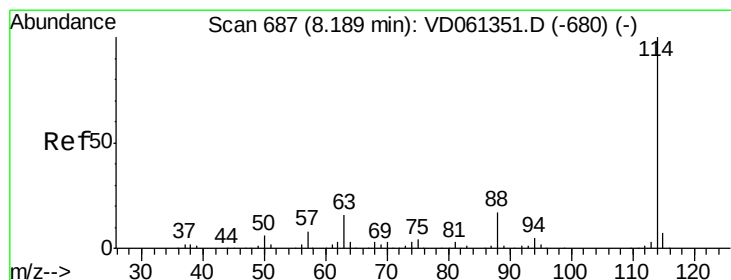
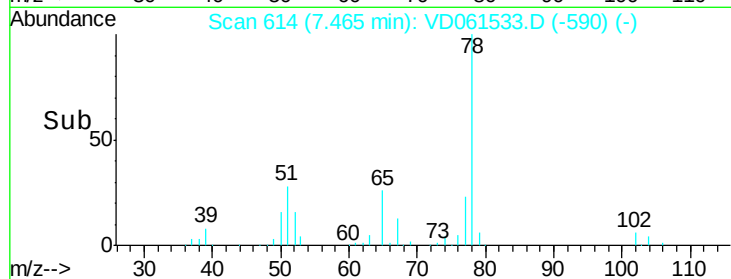
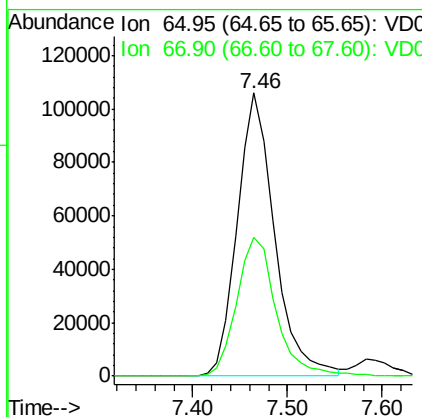
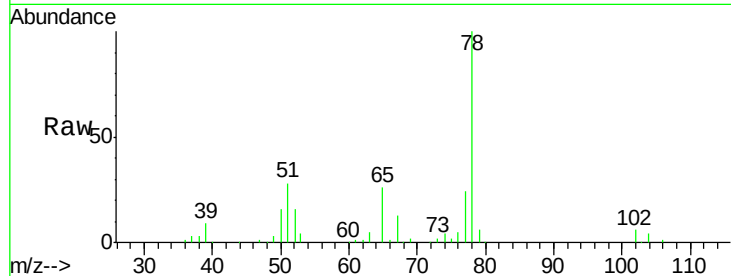
#33
 1,2-Dichloroethane-d4
 Concen: 53.968 ug/l
 RT: 7.46 min Scan# 614
 Delta R.T. 0.03 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 289906
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 99.8

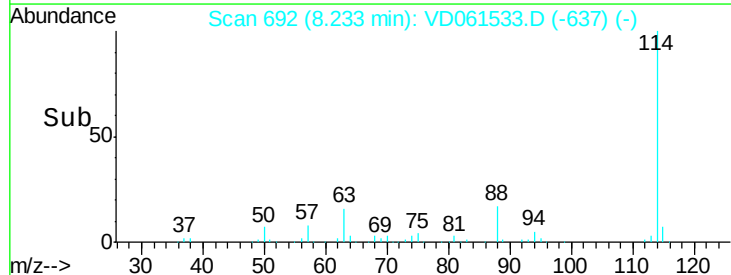
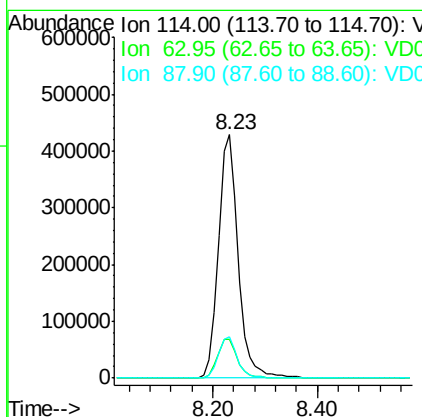
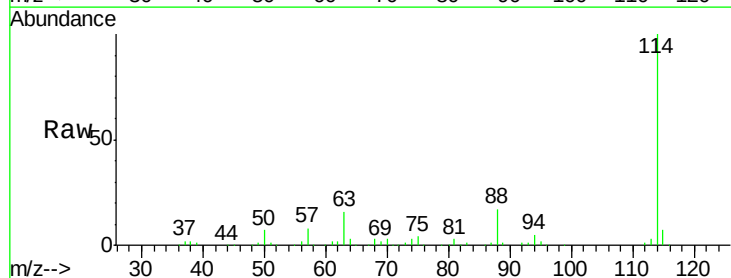
Manual Integrations
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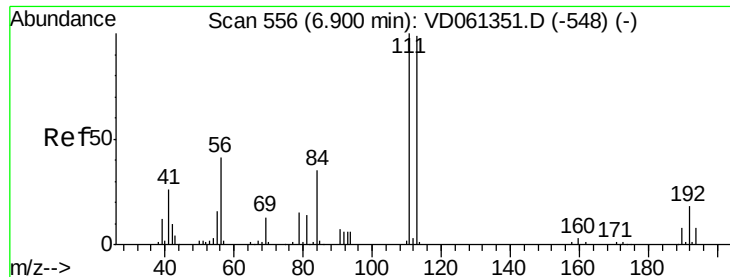
MMDadoda
 4/3/2019 1:03:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion: 114 Resp: 1128506
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 31.6
 88 16.9 0.0 33.4





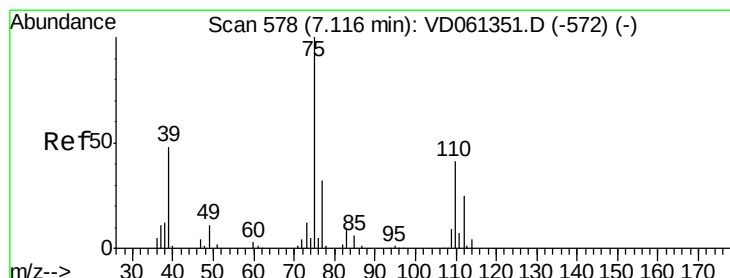
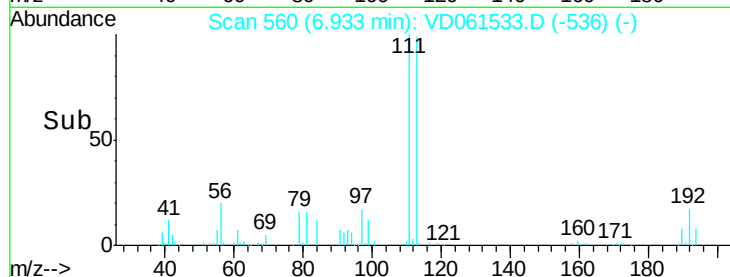
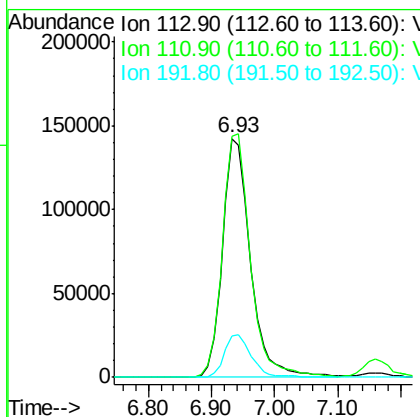
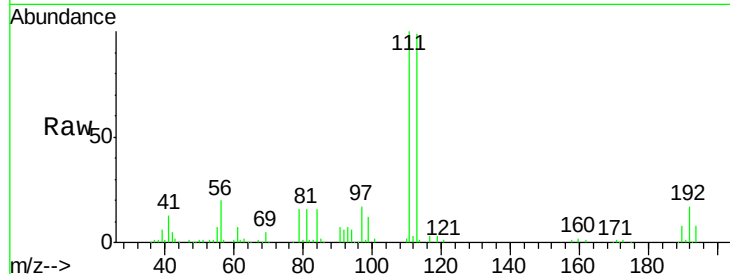
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.03 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	100.6	81.0	121.6	
192	17.1	14.4	21.6	

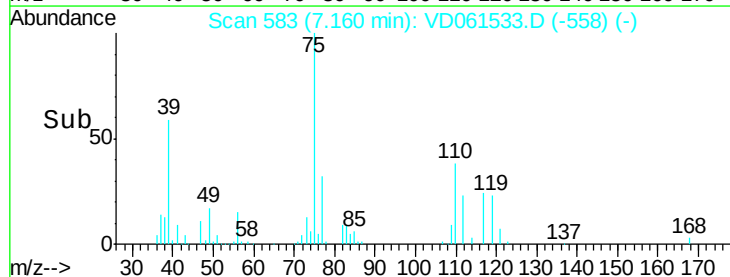
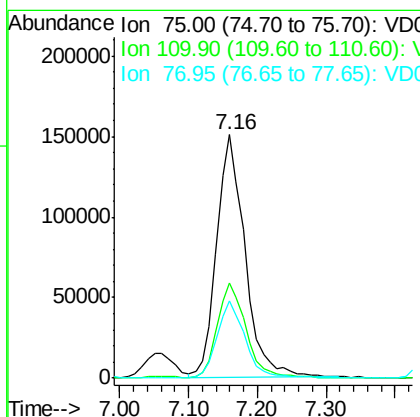
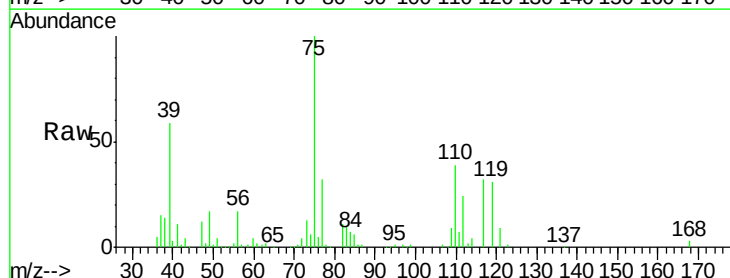
Manual Integrations
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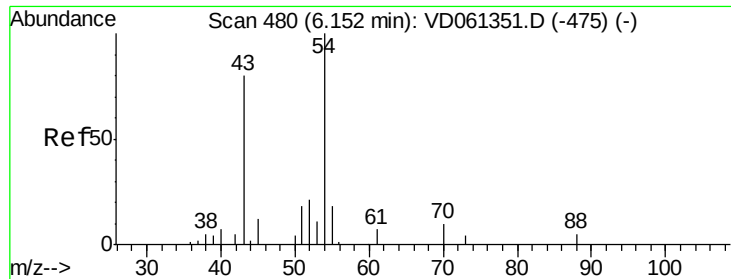
MMDadoda
 4/3/2019 1:03:10 PM



#36
 1,1-Dichloropropene
 Concen: 43.614 ug/l
 RT: 7.16 min Scan# 583
 Delta R.T. 0.04 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.9	20.4	61.3	
77	31.5	24.9	37.3	





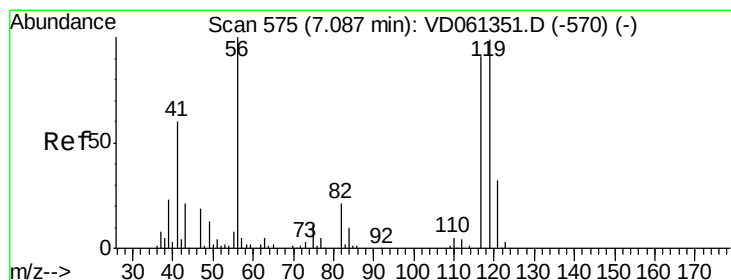
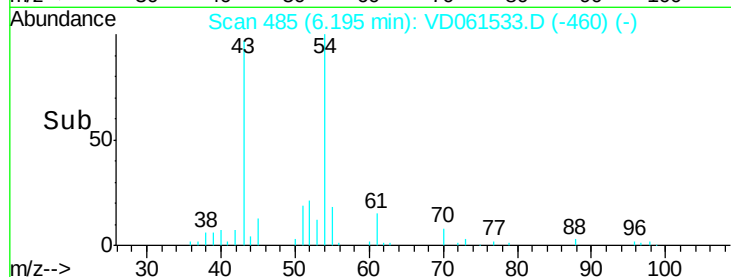
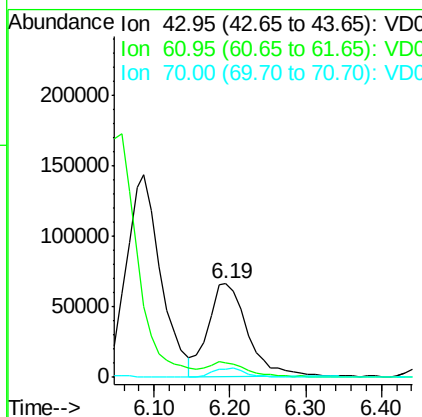
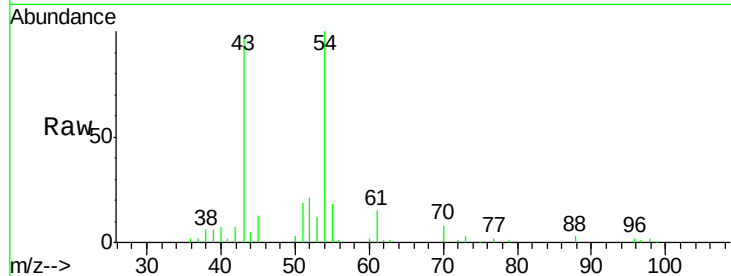
#37
Ethyl Acetate
Concen: 56.158 ug/l
RT: 6.19 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	13.8	20.8
70	8.6	7.8	11.8

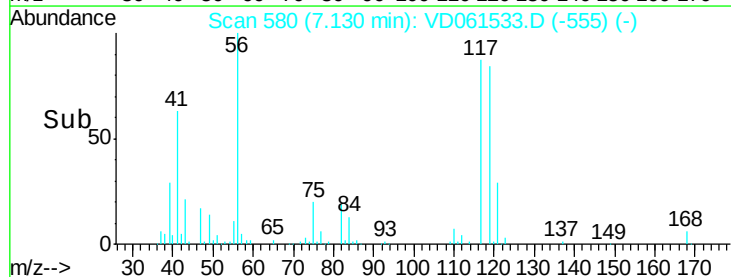
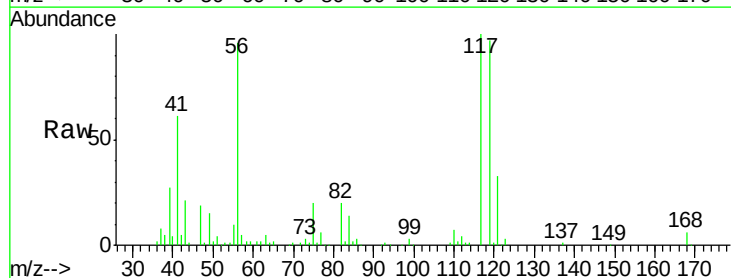
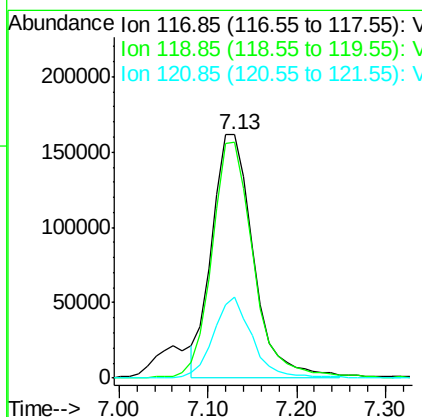
Manual Integrations
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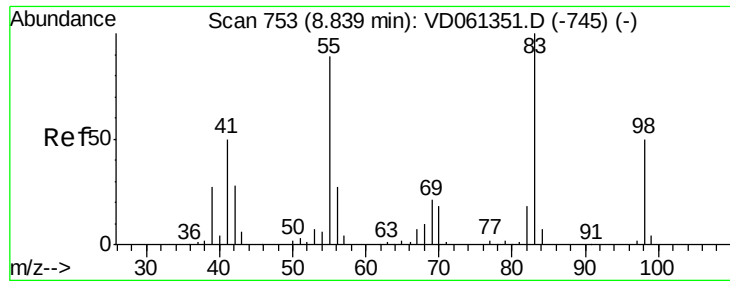
MMDadoda
4/3/2019 1:03:10 PM



#38
Carbon Tetrachloride
Concen: 46.664 ug/l m
RT: 7.13 min Scan# 580
Delta R.T. 0.04 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	80.1	120.1
121	33.2	25.6	38.4





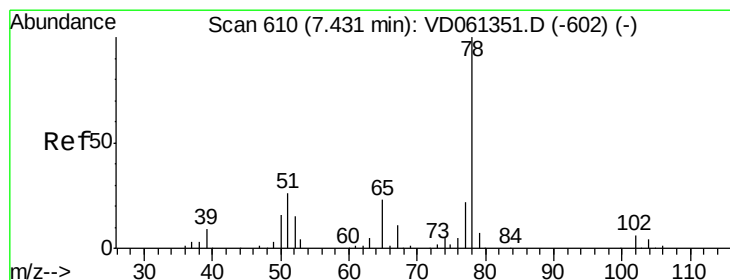
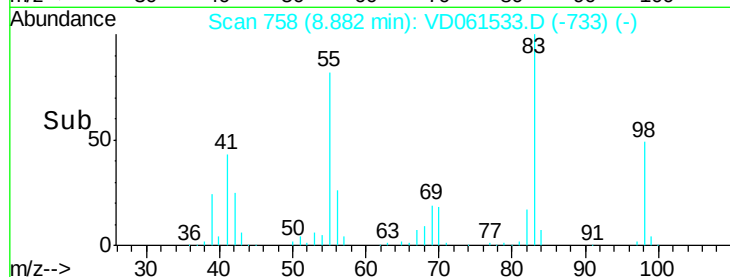
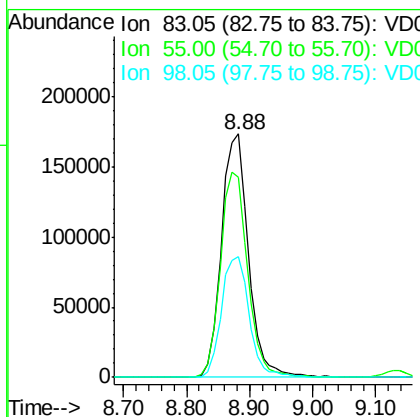
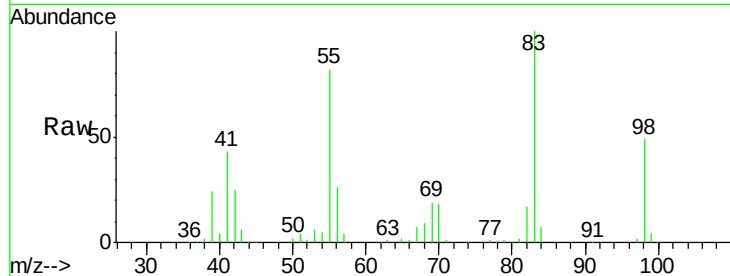
#39
Methylvlcyclohexane
Concen: 50.170 ug/l
RT: 8.88 min Scan# 758
Delta R.T. 0.04 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	514646
Ion	Ratio	Lower	Upper
83	100		
55	82.2	71.5	107.3
98	49.4	40.3	60.5

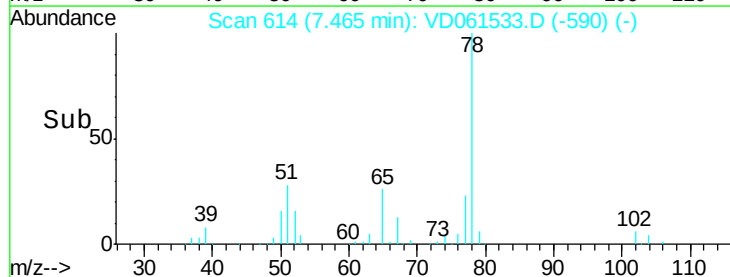
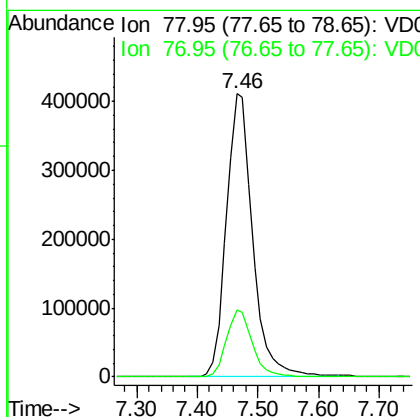
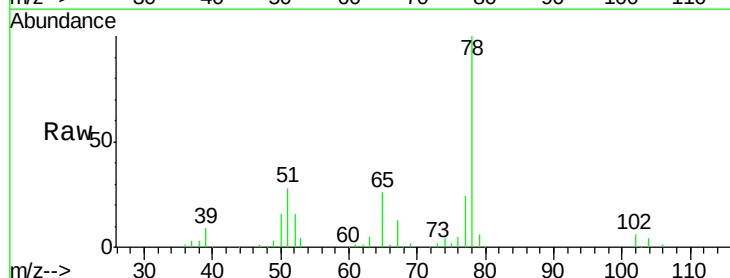
Manual Integrations
APPROVED

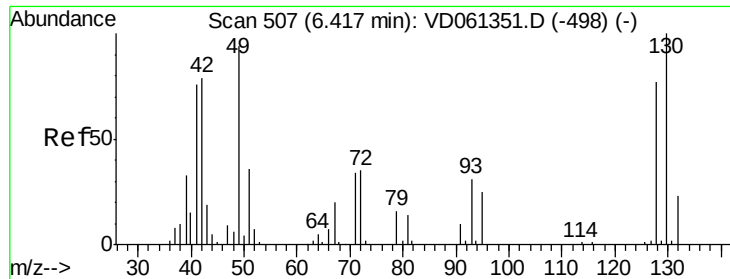
MMDadoda
4/3/2019 1:03:10 PM



#40
Benzene
Concen: 50.126 ug/l
RT: 7.46 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion	78	Resp	1239063
Ion	Ratio	Lower	Upper
78	100		
77	23.6	17.8	26.6





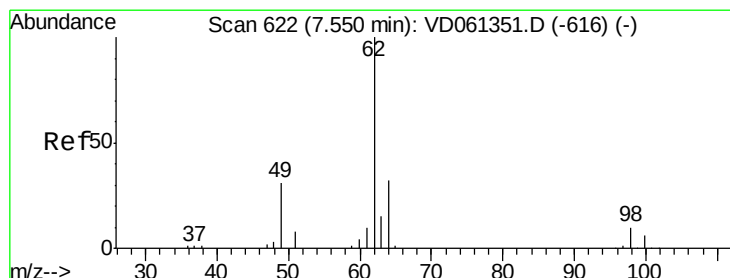
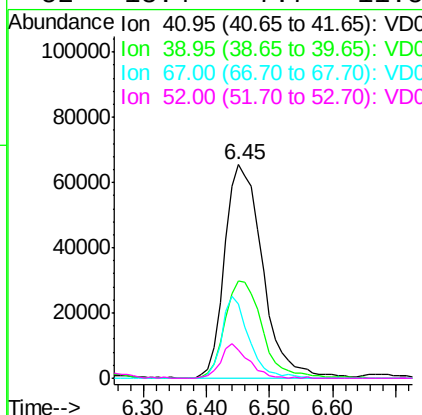
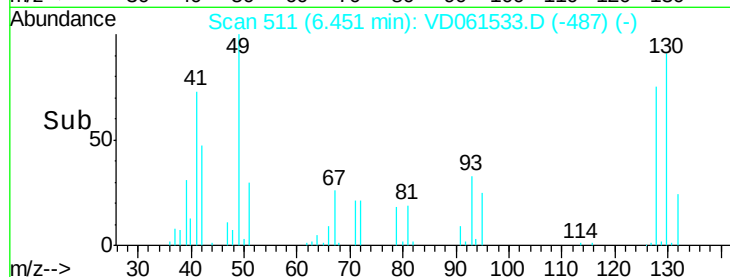
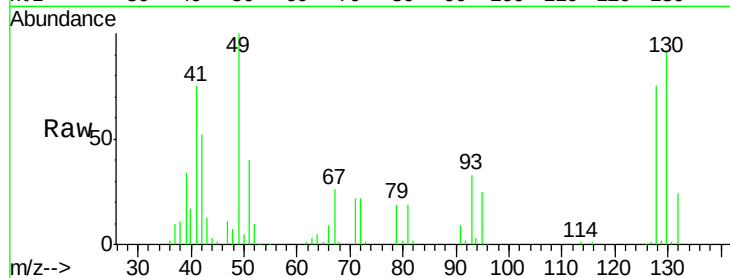
#41
Methacrylonitrile
Concen: 55.526 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	45.8	35.0	52.6	
67	34.6	21.0	31.6	
52	13.4	7.7	11.5	

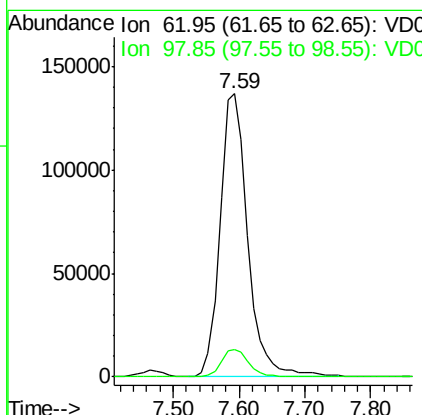
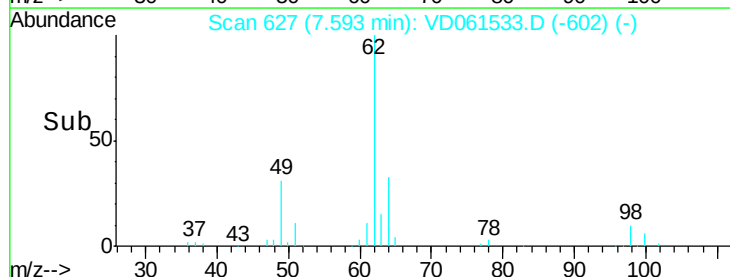
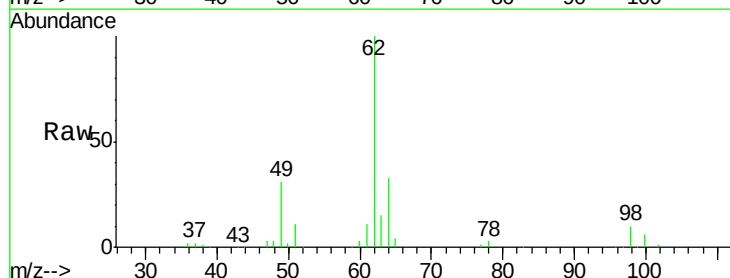
Manual Integrations
APPROVED

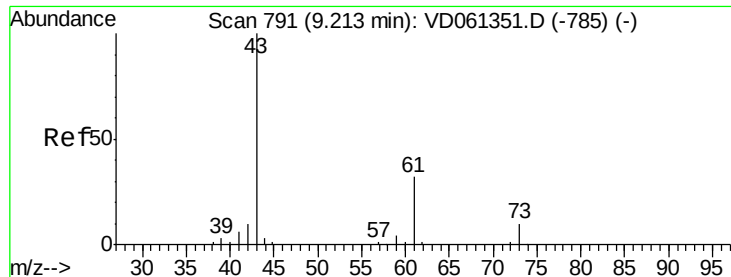
MMDadoda
4/3/2019 1:03:10 PM



#42
1,2-Dichloroethane
Concen: 54.340 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.04 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	19.8	





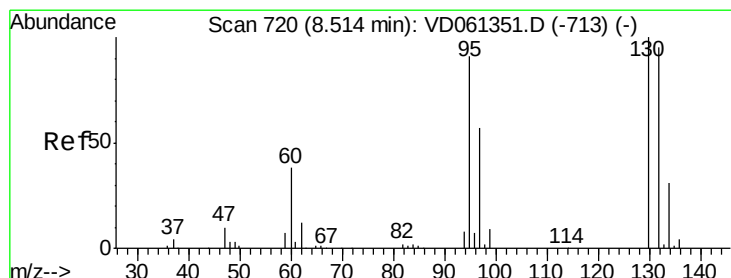
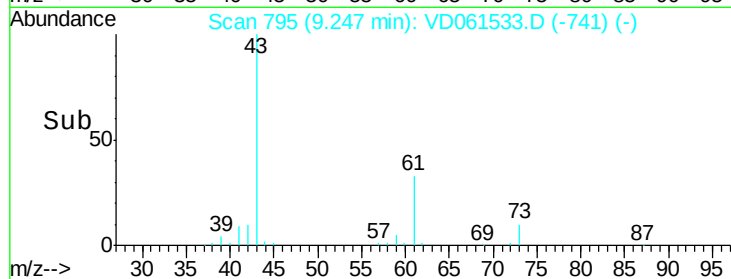
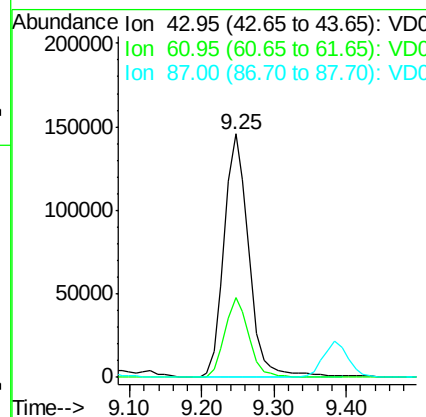
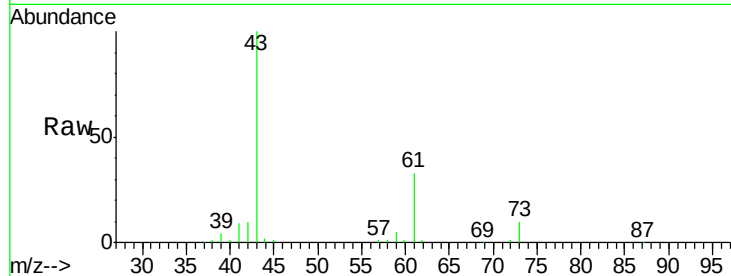
#43
Isopropyl Acetate
Concen: 56.541 ug/l
RT: 9.25 min Scan# 795
Delta R.T. 0.03 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.5	25.8	38.6
87	0.3	0.0	0.0#

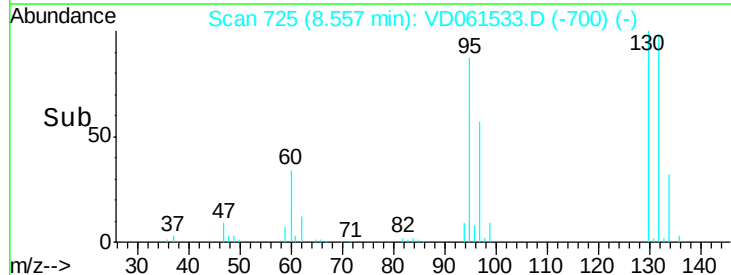
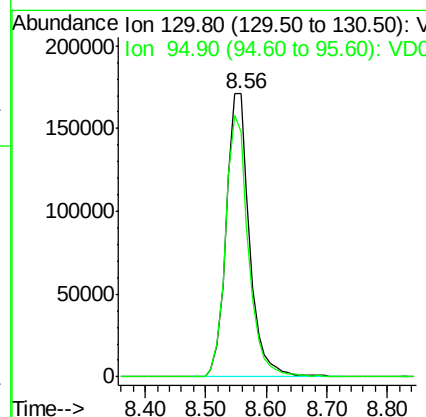
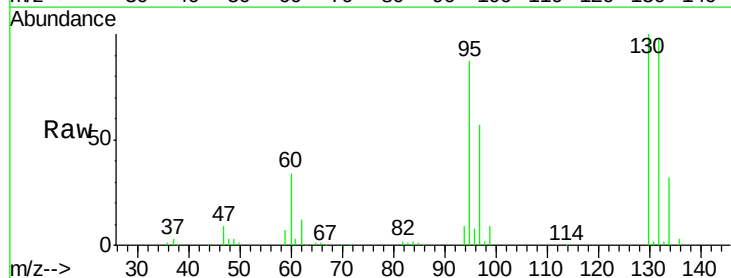
Manual Integrations
APPROVED

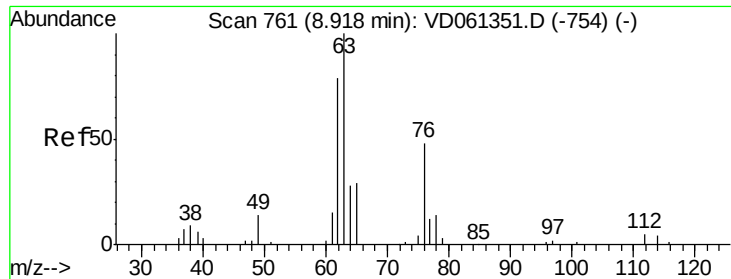
MMDadoda
4/3/2019 1:03:10 PM



#44
Trichloroethene
Concen: 49.681 ug/l
RT: 8.56 min Scan# 725
Delta R.T. 0.04 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.6	0.0	181.4





#45

1,2-Dichloropropane

Concen: 51.490 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 322739

Ion Ratio Lower Upper

63 100

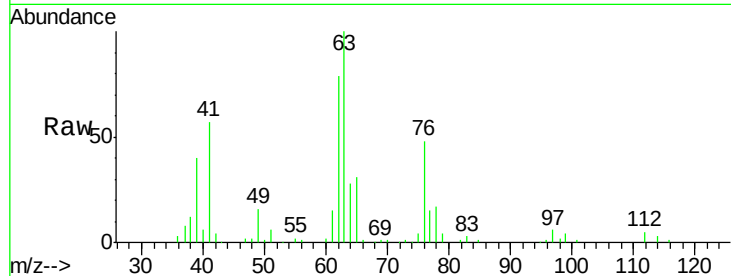
65 30.6 25.0 37.4

Manual Integrations

APPROVED

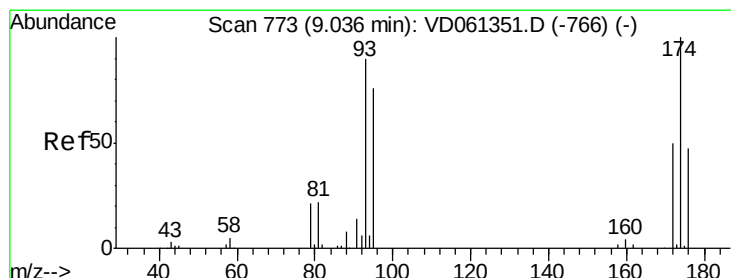
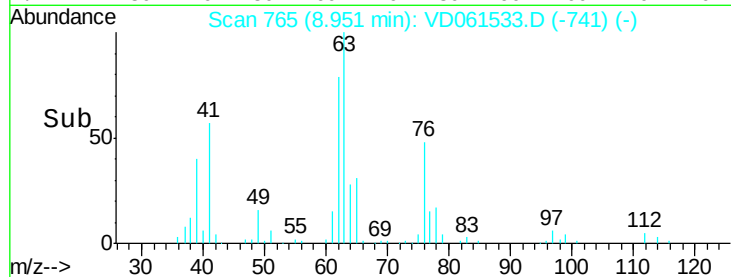
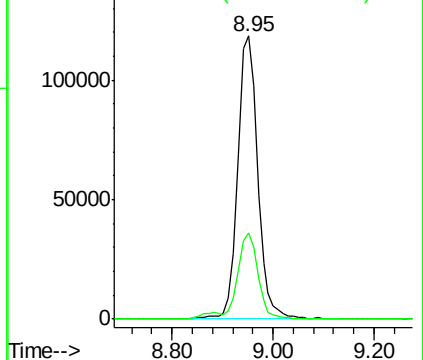
MMDadoda

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 53.069 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

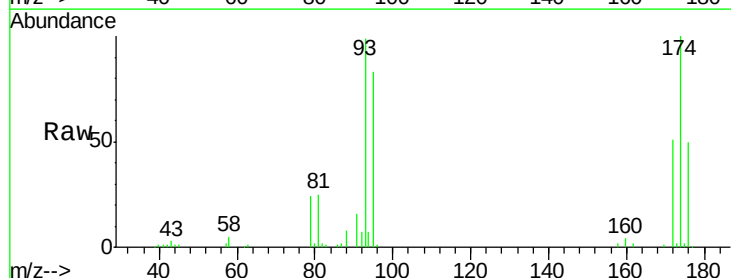
Tgt Ion: 93 Resp: 223890

Ion Ratio Lower Upper

93 100

95 83.6 67.4 101.0

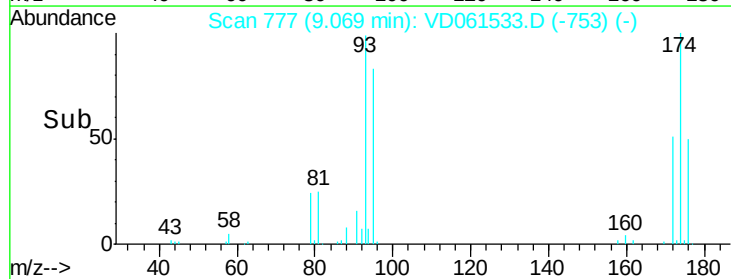
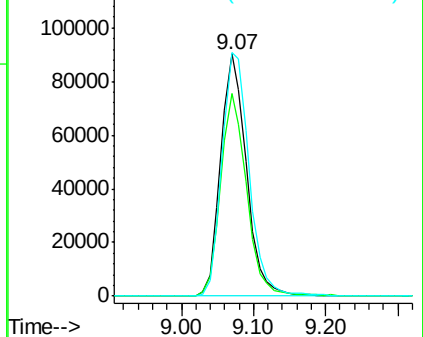
174 100.6 88.9 133.3

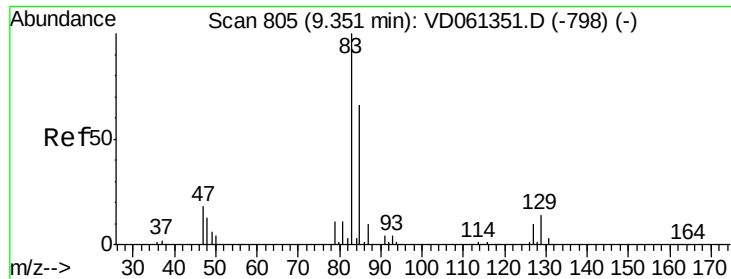


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 53.555 ug/l

RT: 9.38 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

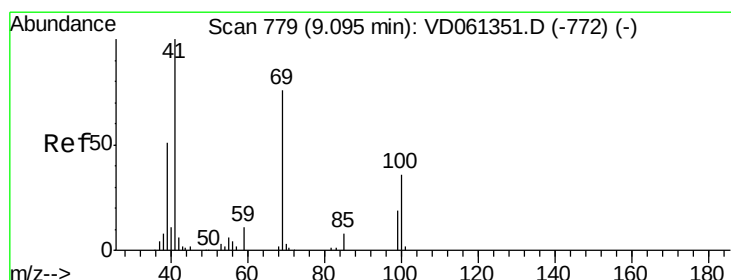
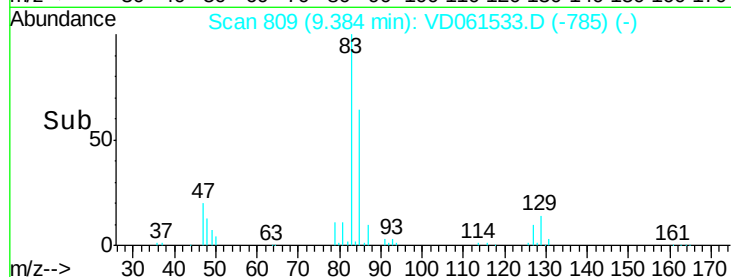
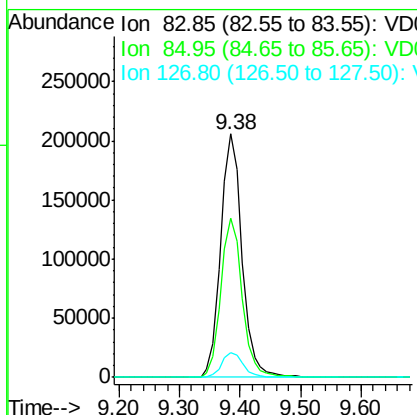
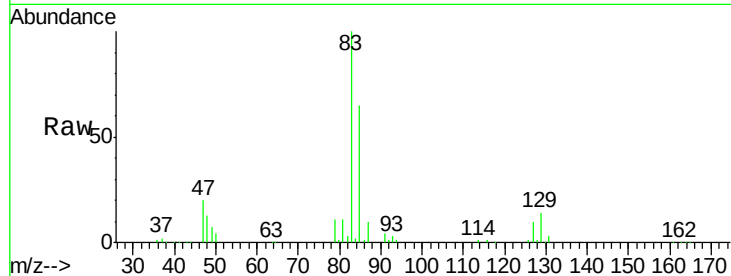
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	507116
Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.0	79.4
127	10.3	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
4/3/2019 1:03:10 PM



#48

Methyl methacrylate

Concen: 52.504 ug/l

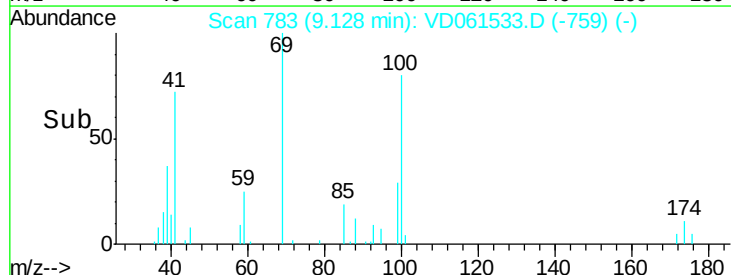
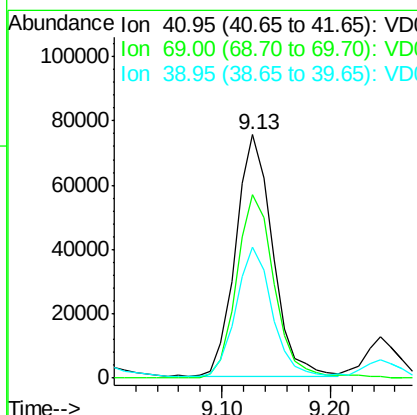
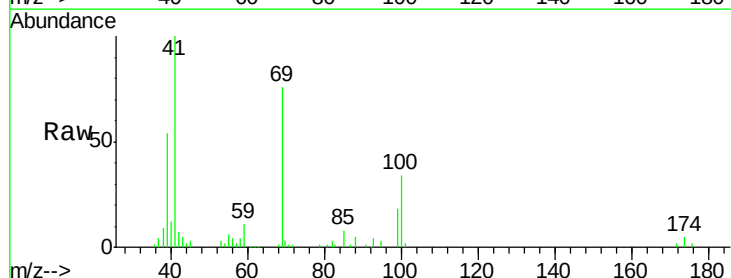
RT: 9.13 min Scan# 783

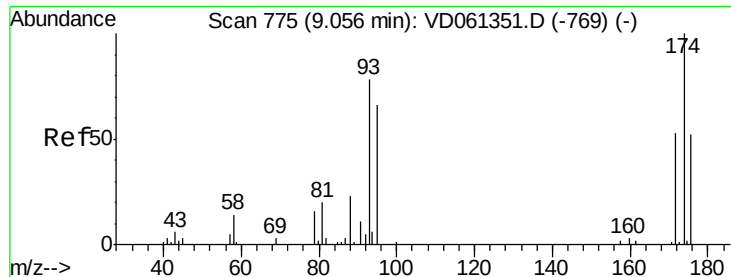
Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Tgt Ion:	41	Resp:	177591
Ion	Ratio	Lower	Upper
41	100		
69	75.6	60.2	90.4
39	53.9	41.4	62.2





#49

1,4-Dioxane

Concen: 1128.419 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

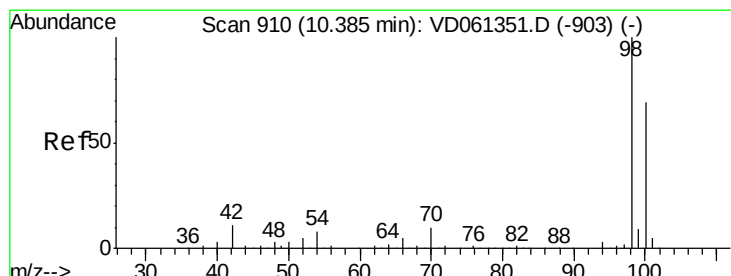
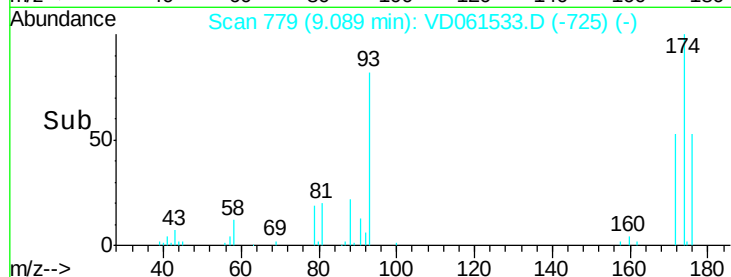
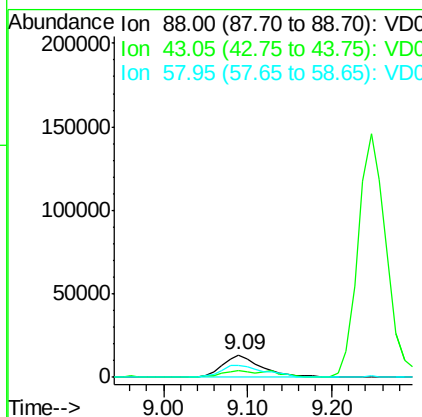
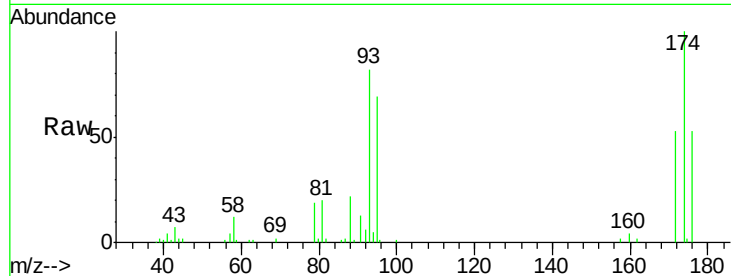
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	42099
Ion Ratio	Lower	Upper	
88	100		
43	32.0	23.3	34.9
58	54.2	50.8	76.2

Manual Integrations
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4/3/2019 1:03:10 PM



#50

Toluene-d8

Concen: 1128.419 ug/l

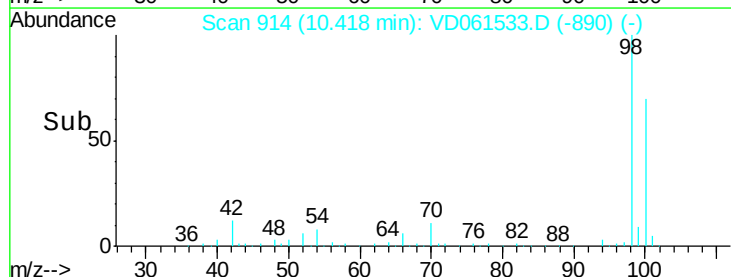
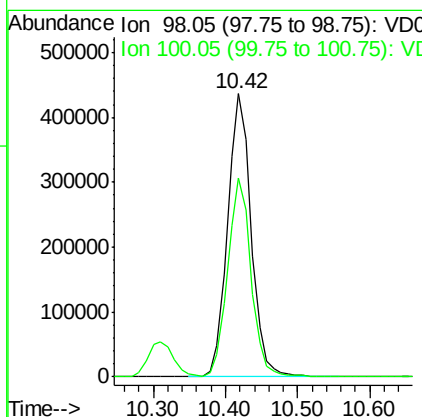
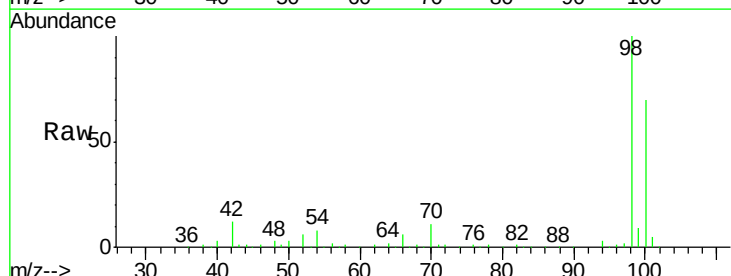
RT: 10.42 min Scan# 914

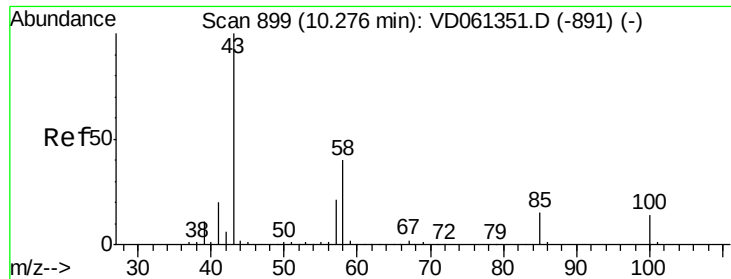
Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Tgt Ion:	98	Resp:	994746
Ion Ratio	Lower	Upper	
98	100		
100	70.3	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 274.961 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1025259

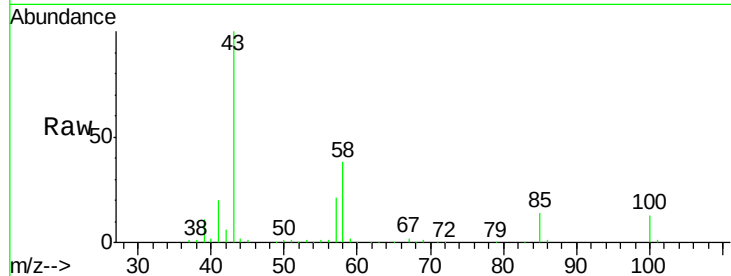
Ion Ratio Lower Upper

43 100

58 38.5 31.8 47.8

Manual Integrations
APPROVED

MMDadoda
4/3/2019 1:03:10 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

400000

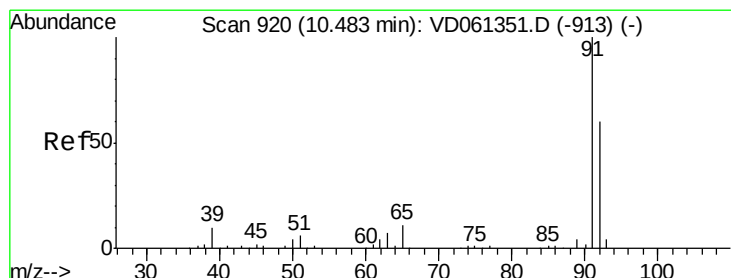
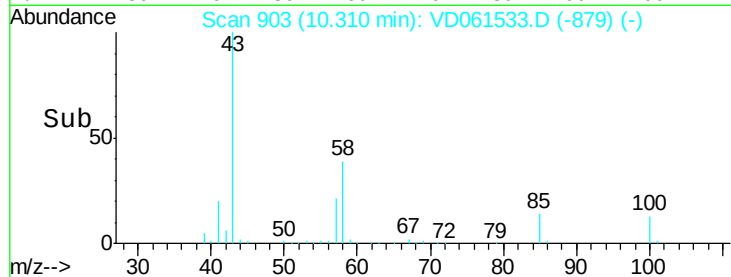
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.218 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.03 min

Lab File: VD061533.D

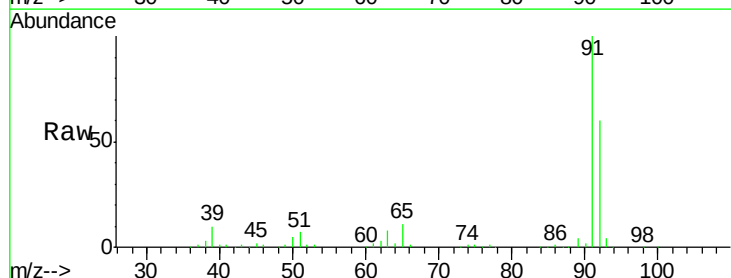
Acq: 3 Apr 2019 1:48

Tgt Ion: 92 Resp: 742226

Ion Ratio Lower Upper

92 100

91 167.2 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.52

600000

500000

400000

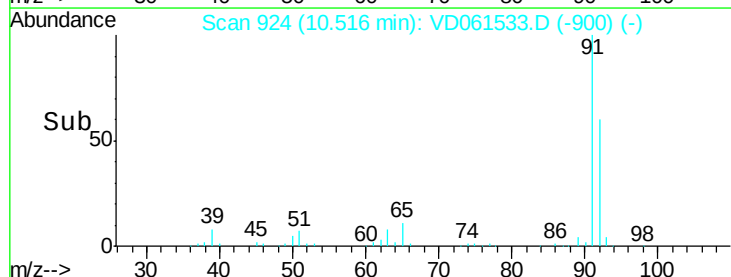
300000

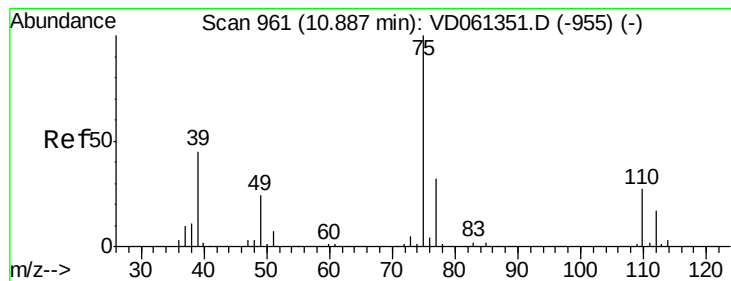
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.237 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Tot Ion: 75 Resp: 440795

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2

Instrument :

MSVOA_D

ClientSampleId :

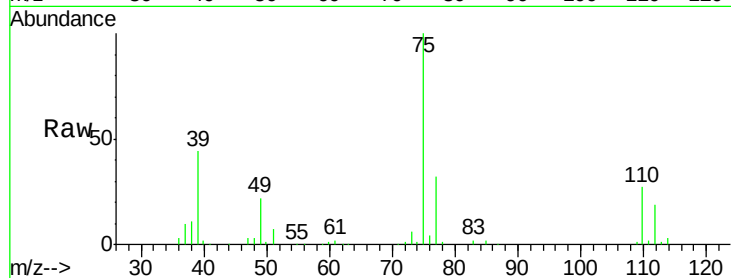
VSTDCCC050

Manual Integrations

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MMDadoda

4/3/2019 1:03:10 PM



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

250000

200000

150000

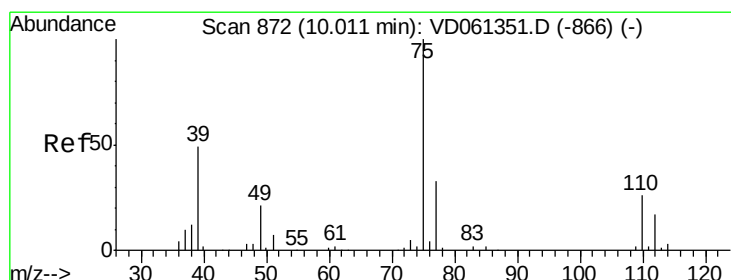
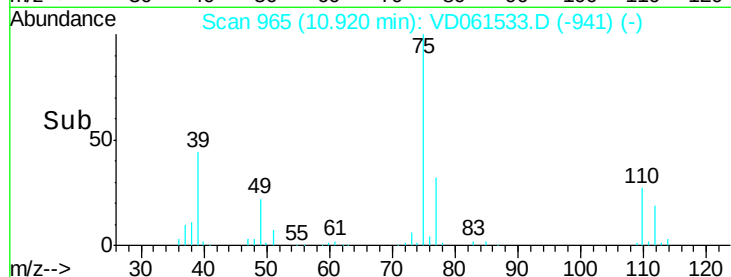
100000

50000

0

10.80 10.90 11.00 11.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.625 ug/l

RT: 10.04 min Scan# 876

Delta R.T. 0.03 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

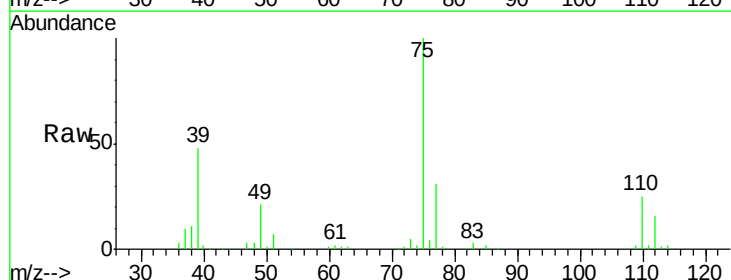
Tgt Ion: 75 Resp: 530324

Ion Ratio Lower Upper

75 100

77 31.0 26.2 39.4

39 48.3 39.4 59.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

300000

250000

200000

150000

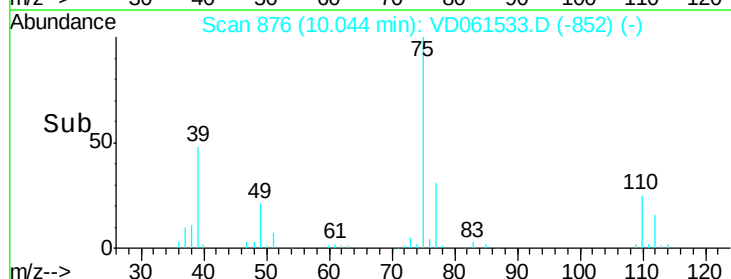
100000

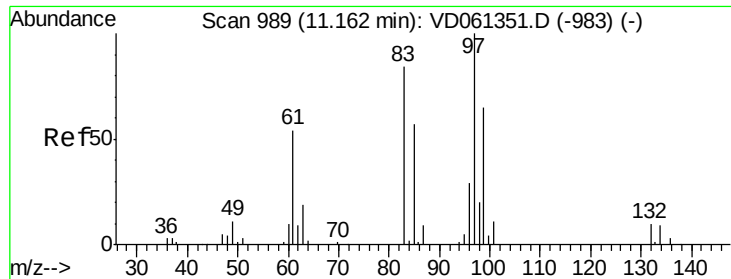
50000

0

10.00 10.20

Time-->





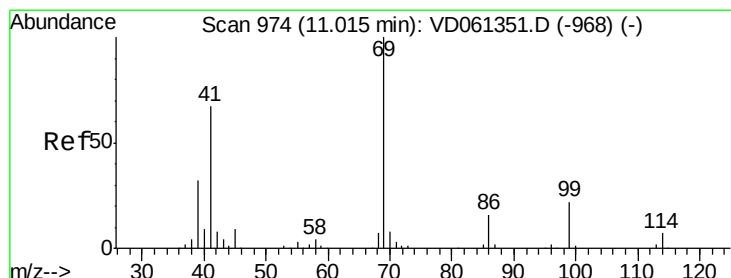
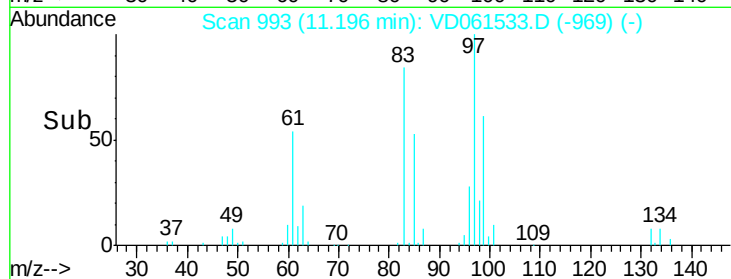
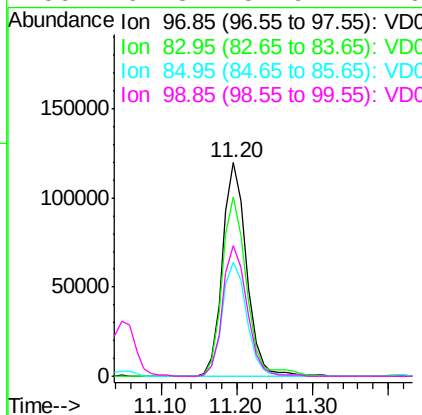
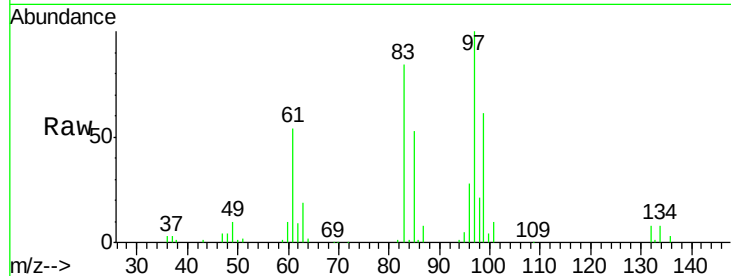
#55
 1,1,2-Trichloroethane
 Concen: 50.120 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.03 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	264329
Ion	Ratio	Lower	Upper
97	100		
83	83.6	67.0	100.6
85	53.4	45.4	68.2
99	61.3	51.9	77.9

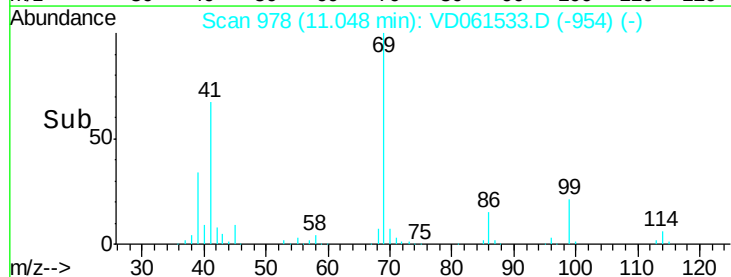
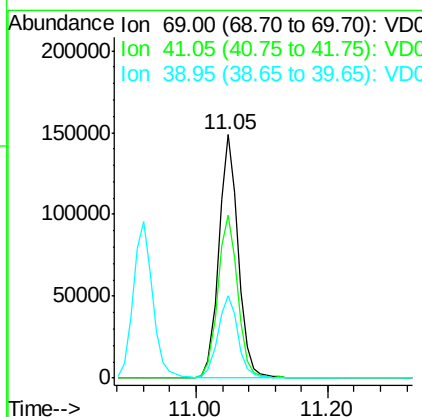
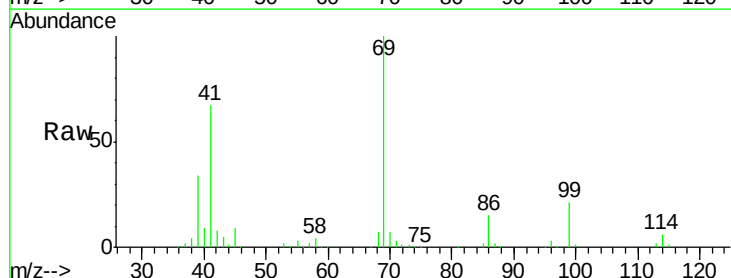
Manual Integrations
 APPROVED

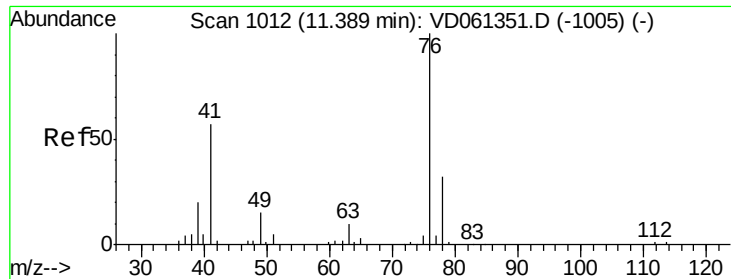
MMDadoda
 4/3/2019 1:03:10 PM



#56
 Ethyl methacrylate
 Concen: 53.693 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.03 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion:	69	Resp:	304205
Ion	Ratio	Lower	Upper
69	100		
41	67.0	53.8	80.6
39	34.1	26.4	39.6





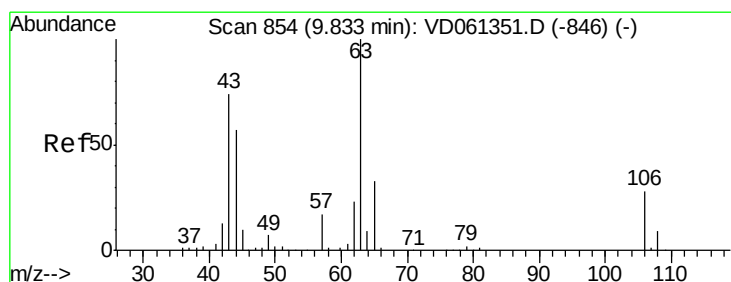
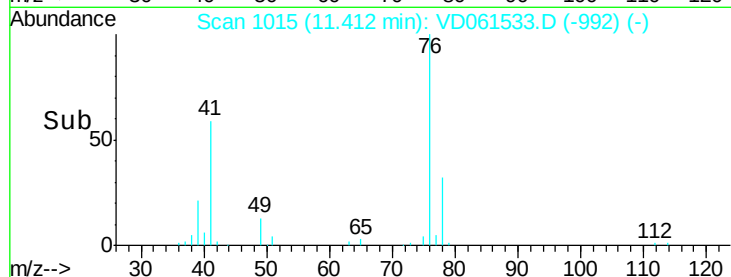
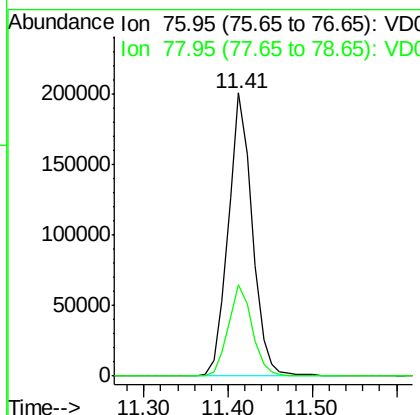
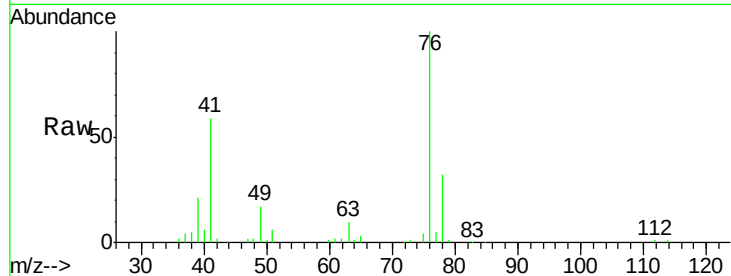
#57
 1,3-Dichloropropane
 Concen: 51.359 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.02 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 398125
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.4 38.0

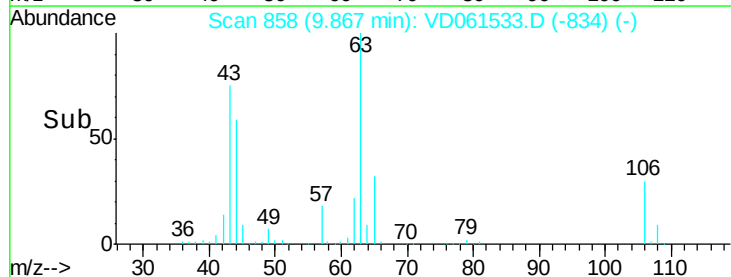
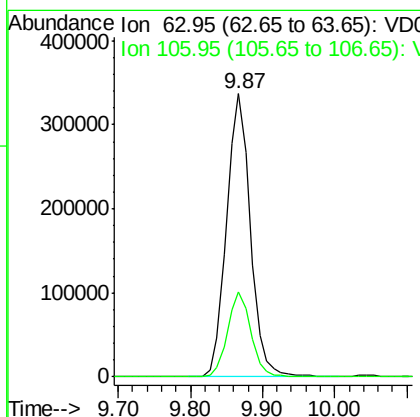
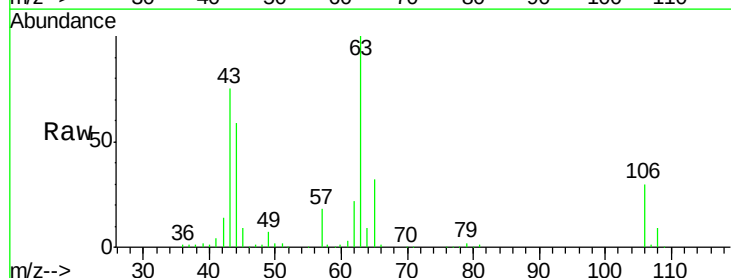
Manual Integrations
 APPROVED

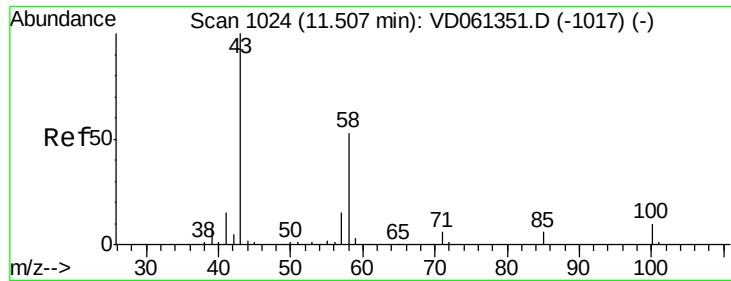
MMDadoda
 4/3/2019 1:03:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 281.180 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.03 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion: 63 Resp: 775818
 Ion Ratio Lower Upper
 63 100
 106 29.8 22.4 33.6





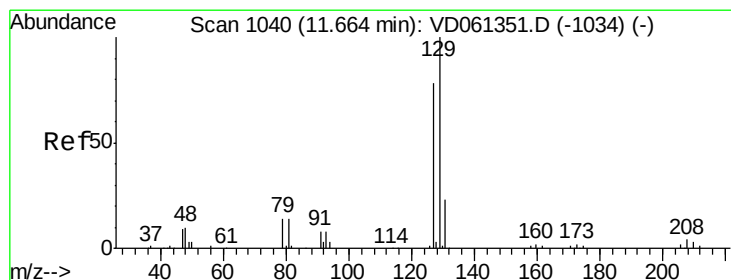
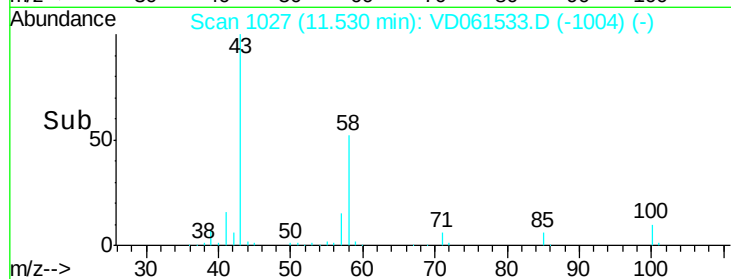
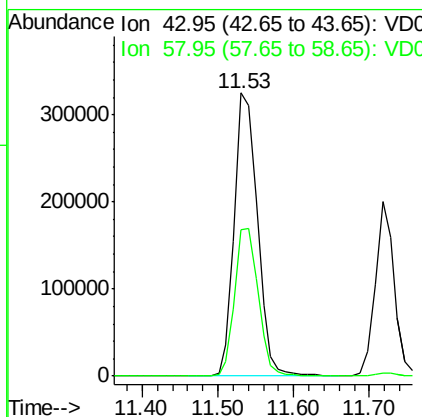
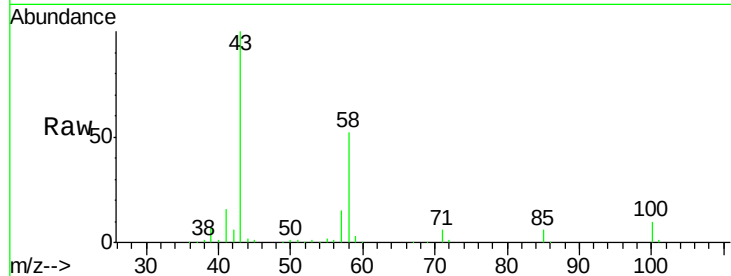
#59
2-Hexanone
Concen: 254.218 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.02 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	58	Ratio	Lower	Upper
Resp:	686791				
Ion	43	58	100	26.3	78.9

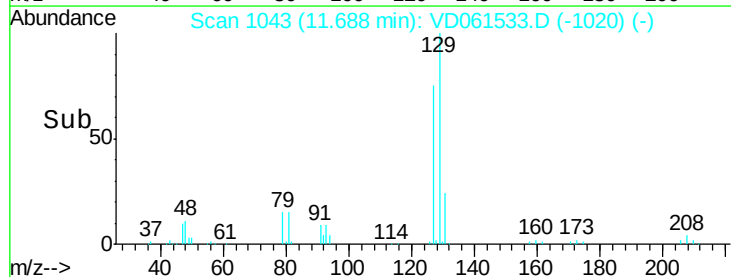
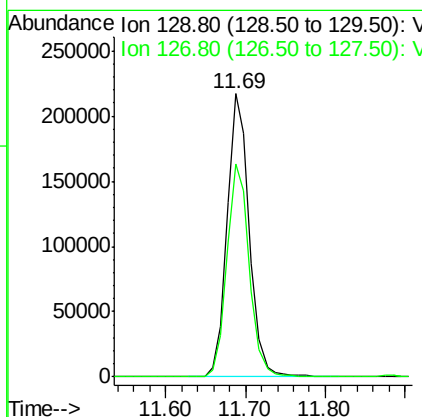
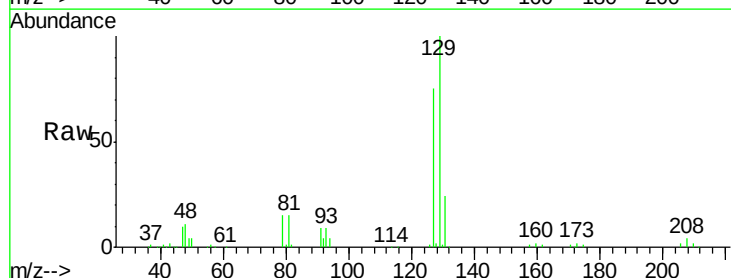
Manual Integrations
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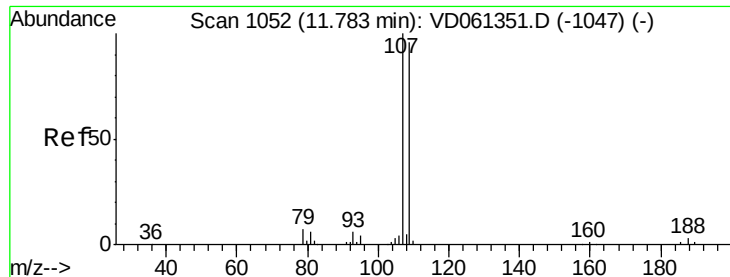
MMDadoda
4/3/2019 1:03:10 PM



#60
Dibromochloromethane
Concen: 52.186 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion	129	127	Ratio	Lower	Upper
Resp:	424294				
Ion	129	127	100	39.0	116.9





#61

1,2-Dibromoethane

Concen: 47.789 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.02 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 291850

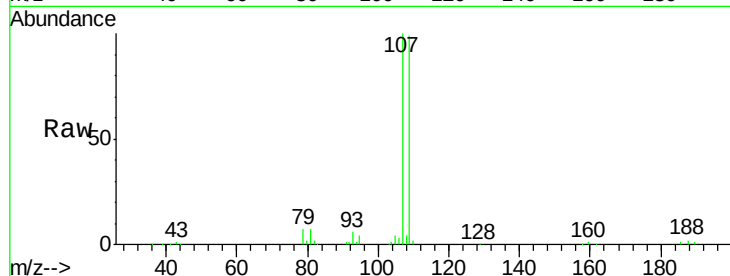
Ion Ratio Lower Upper

107 100

109 99.0 76.6 114.8

Manual Integrations
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MMDadoda
4/3/2019 1:03:10 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.81

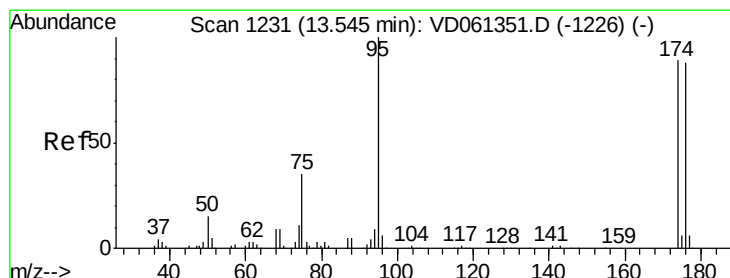
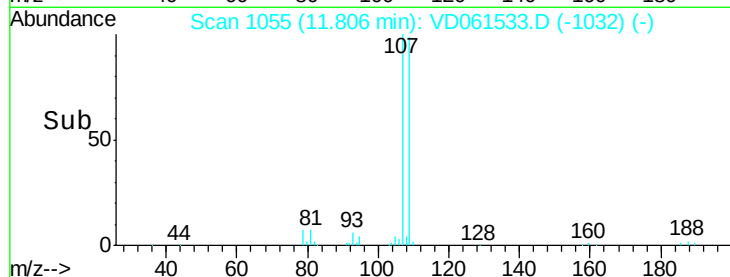
150000

100000

50000

0

Time--> 11.70 11.80 11.90



#62

4-Bromofluorobenzene

Concen: 47.789 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

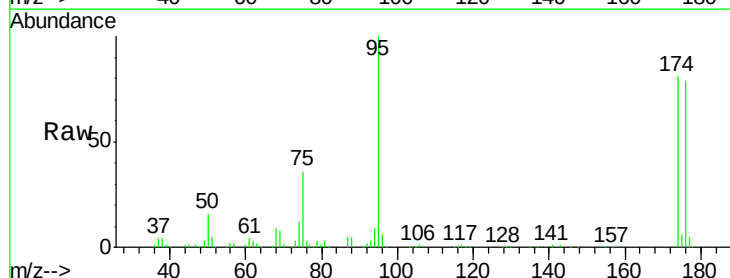
Tgt Ion: 95 Resp: 384471

Ion Ratio Lower Upper

95 100

174 81.5 0.0 178.0

176 79.2 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

13.56

400000

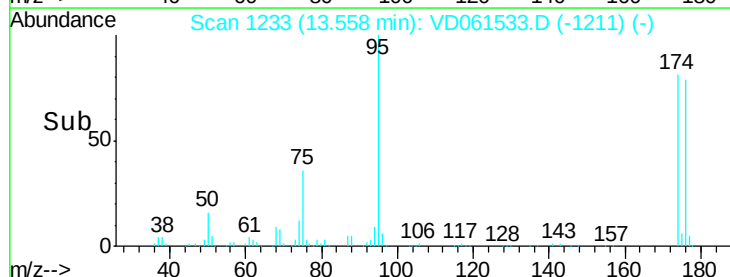
300000

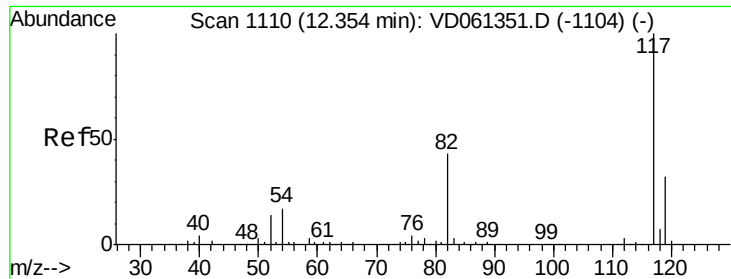
200000

100000

0

Time--> 13.50 13.60





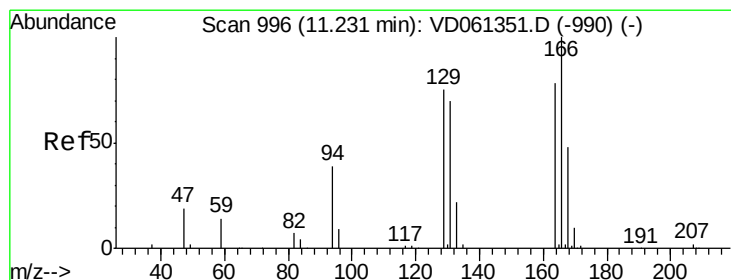
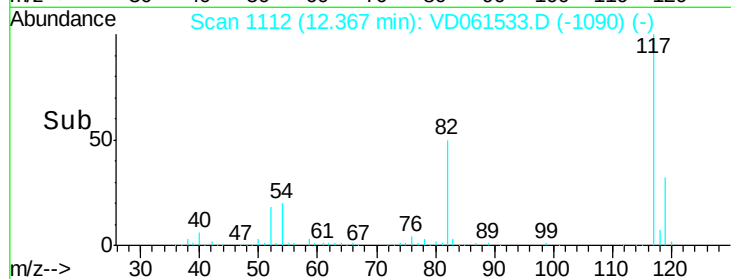
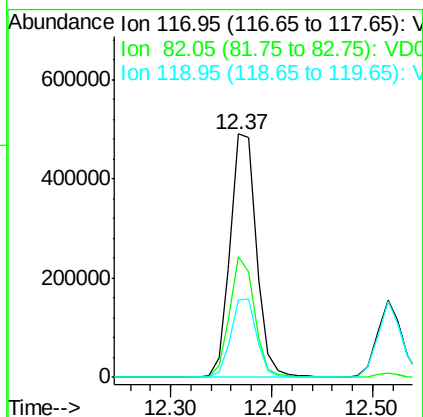
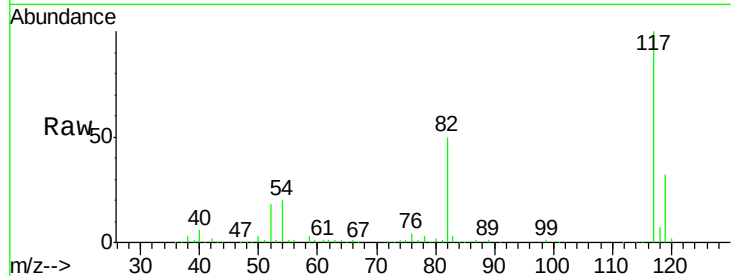
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.8	34.4	51.6
119	32.0	25.8	38.6

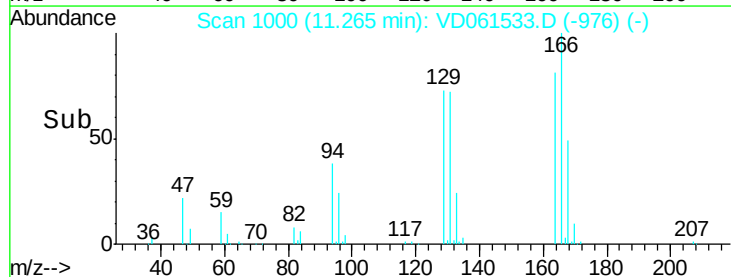
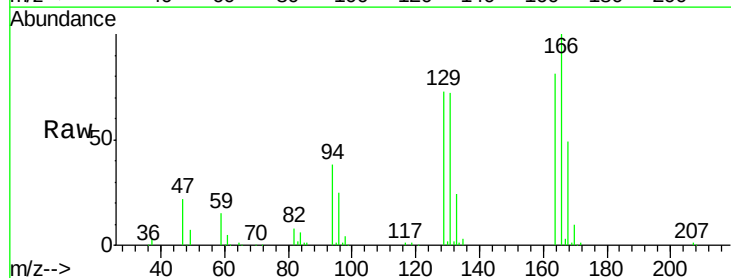
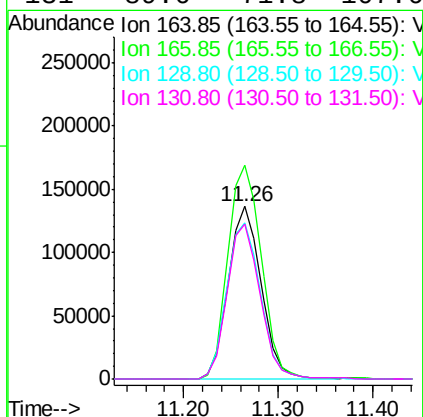
Manual Integrations
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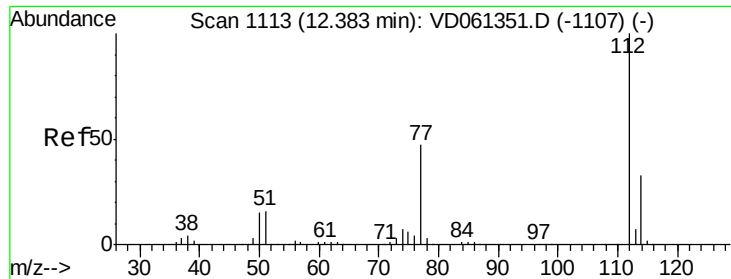
MMDadoda
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#64
Tetrachloroethene
Concen: 47.239 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.9	102.4	153.6
129	91.0	76.8	115.2
131	89.6	71.8	107.6





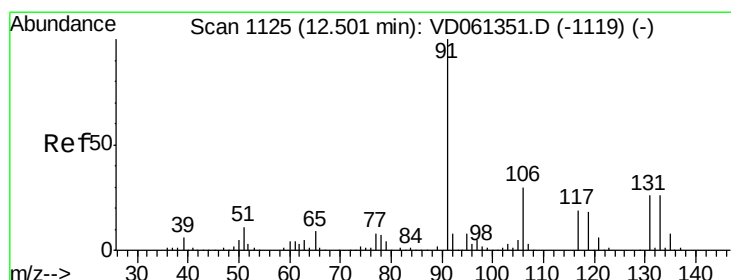
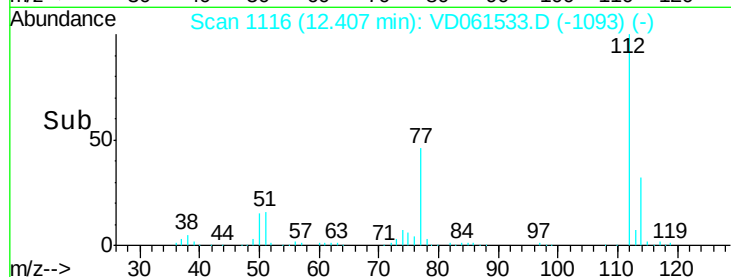
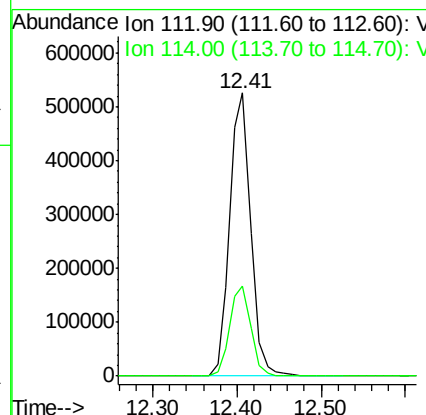
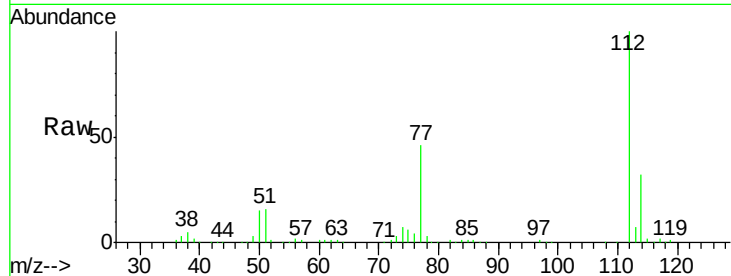
#65
Chlorobenzene
Concen: 50.155 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 908614
Ion Ratio Lower Upper
112 100
114 31.8 26.6 39.8

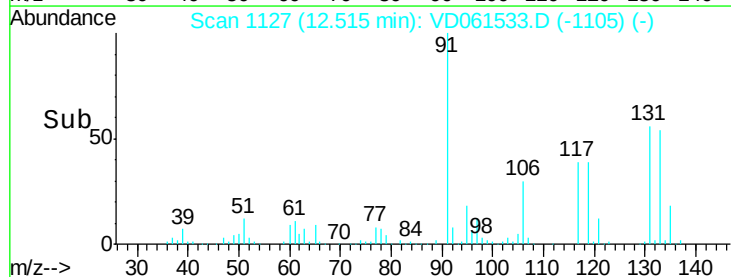
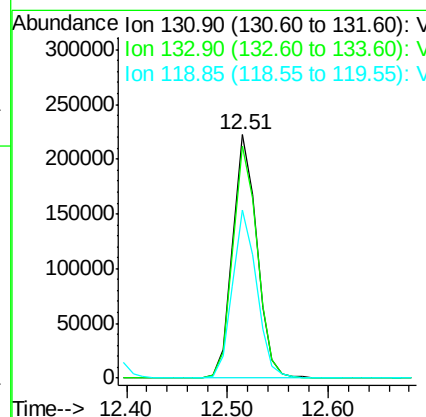
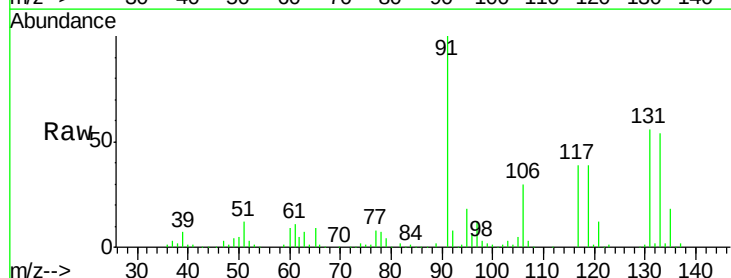
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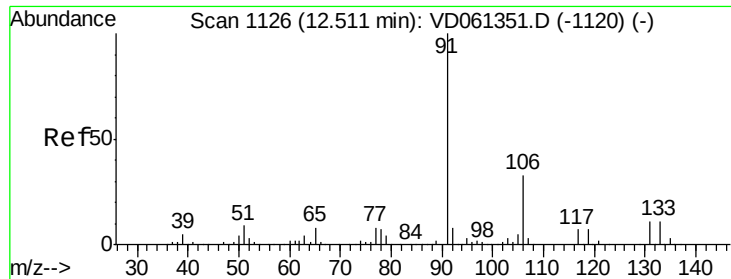
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.928 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion:131 Resp: 371253
Ion Ratio Lower Upper
131 100
133 95.5 49.4 148.2
119 69.0 34.1 102.2





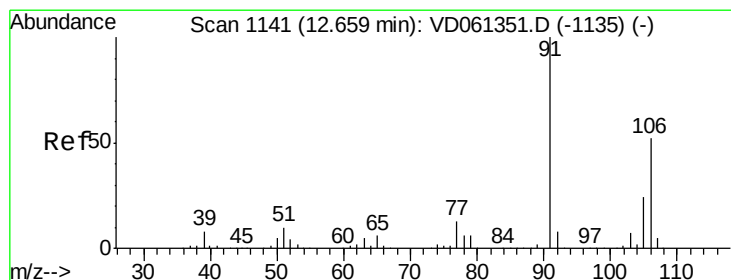
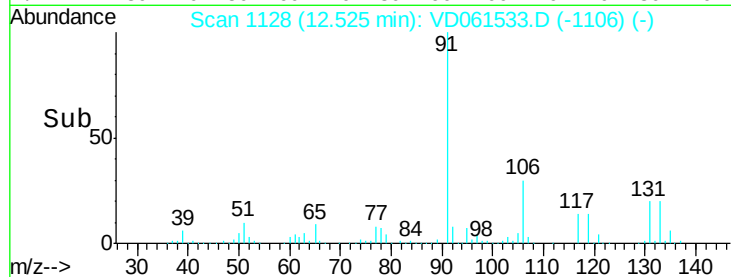
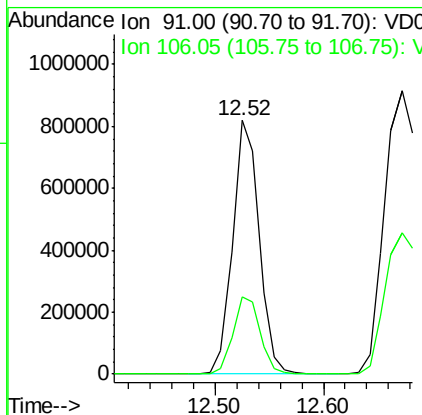
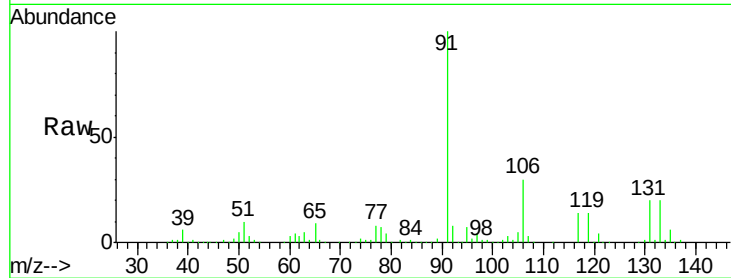
#67
Ethyl Benzene
Concen: 50.480 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1395864
Ion Ratio Lower Upper
91 100
106 30.4 26.1 39.1

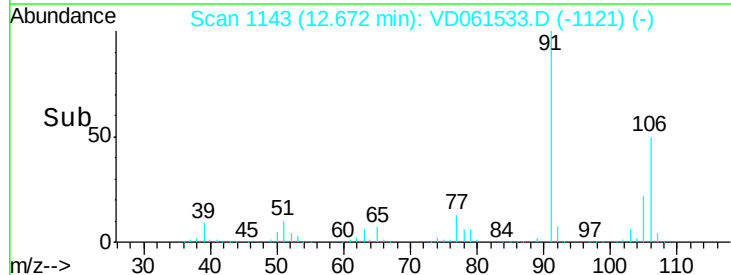
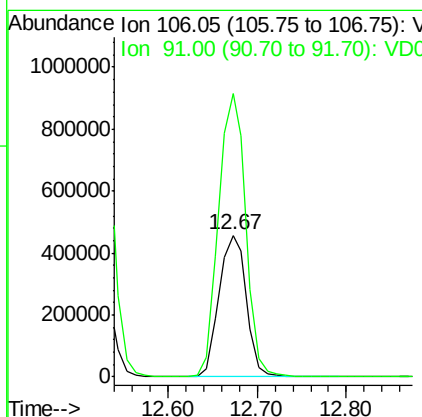
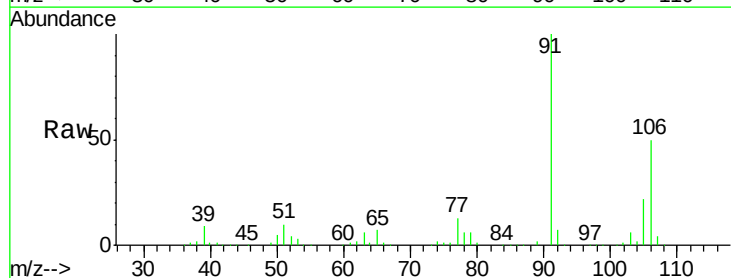
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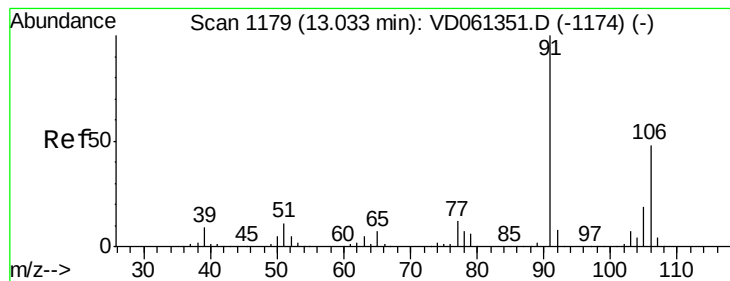
MMDadoda
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#68
m/p-Xylenes
Concen: 94.403 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion: 106 Resp: 988840
Ion Ratio Lower Upper
106 100
91 200.2 153.1 229.7





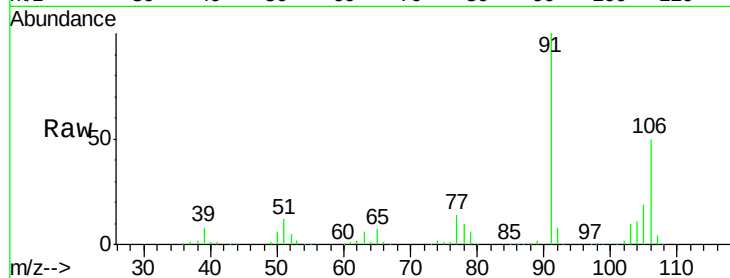
#69
o-Xylene
Concen: 50.443 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

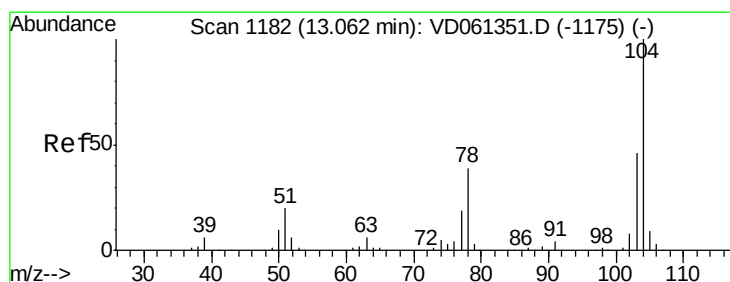
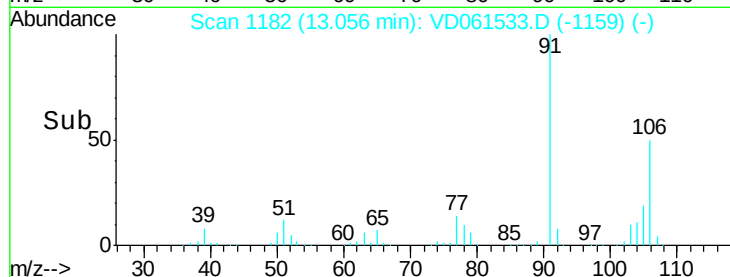
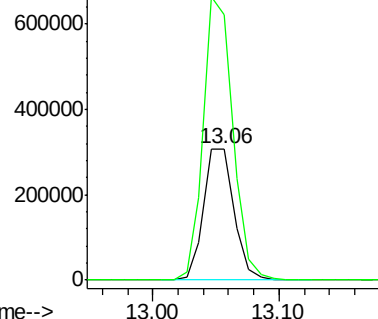
Tot Ion:106 Resp: 512745
Ion Ratio Lower Upper
106 100
91 202.0 103.8 311.3

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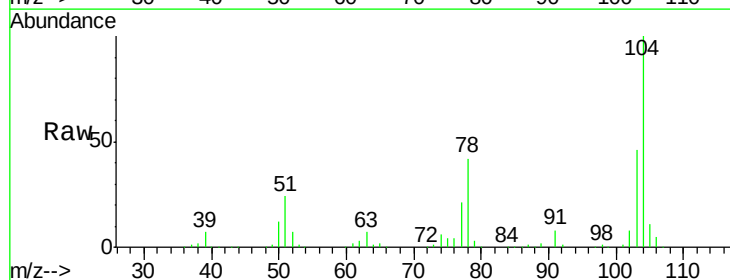


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

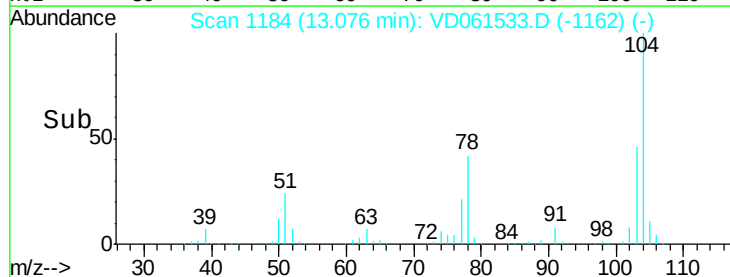
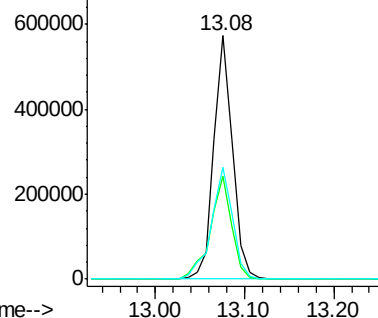


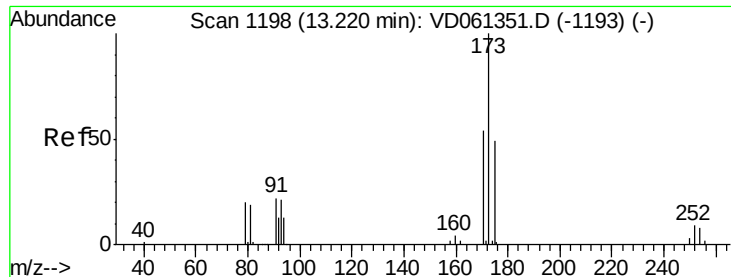
#70
Styrene
Concen: 47.465 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion:104 Resp: 841046
Ion Ratio Lower Upper
104 100
78 42.2 31.0 46.6
103 45.7 37.0 55.4



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 52.375 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

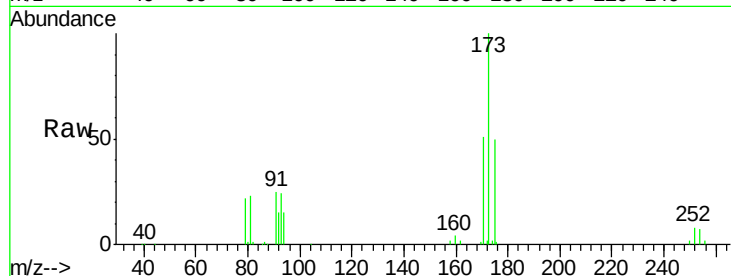
ClientSampleId :

VSTDCCC050

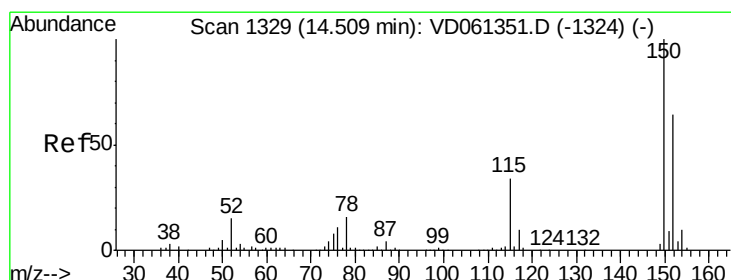
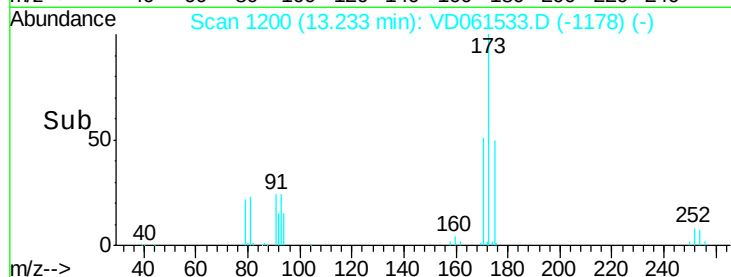
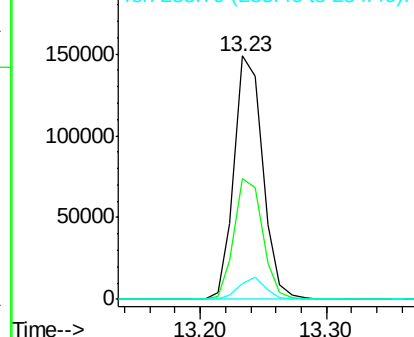
Tot Ion:	173	Resp:	232885
Ion Ratio	Lower	Upper	
173	100		
175	49.5	24.6	73.8
254	6.7	6.6	10.0

Manual Integrations
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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

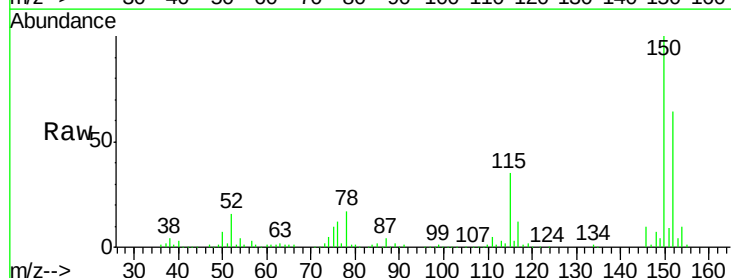
RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

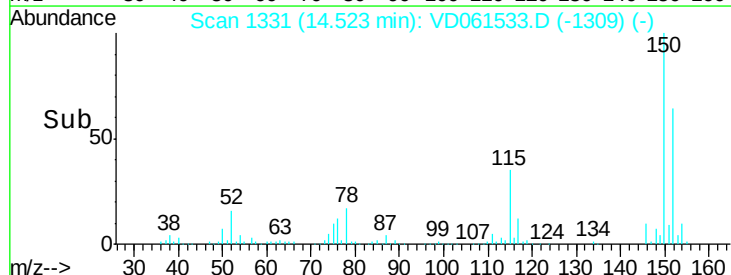
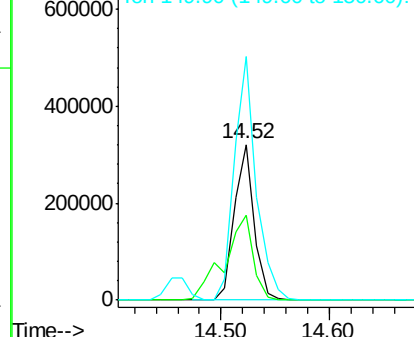
Lab File: VD061533.D

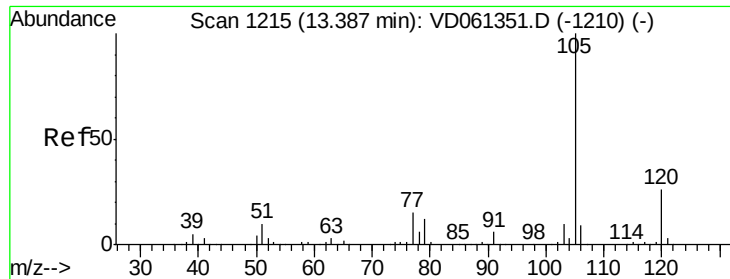
Acq: 3 Apr 2019 1:48

Tgt Ion:	152	Resp:	409118
Ion Ratio	Lower	Upper	
152	100		
115	54.3	26.9	80.6
150	156.5	0.0	318.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





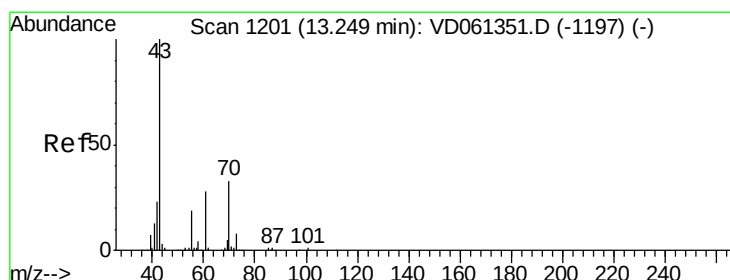
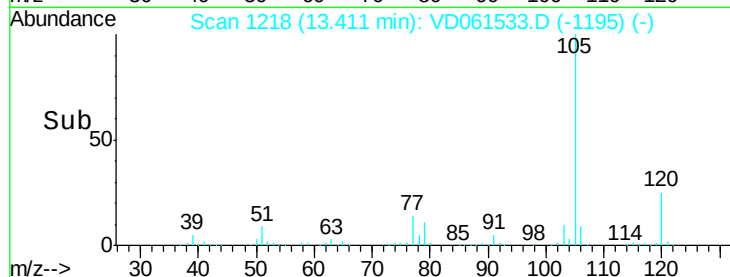
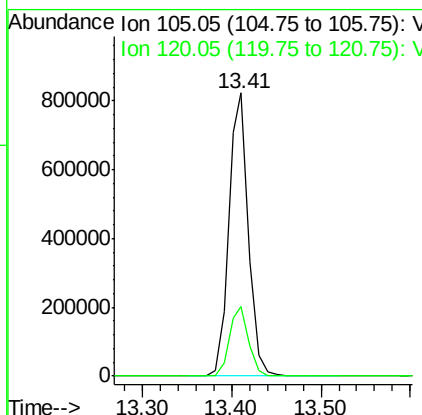
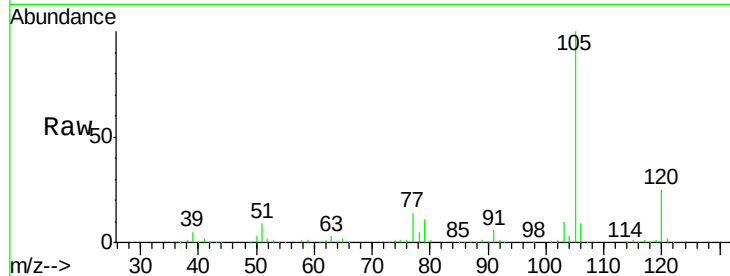
#73
Isopropylbenzene
Concen: 44.565 ug/l
RT: 13.41 min Scan# 1218
Delta R.T. 0.02 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1268950
Ion Ratio Lower Upper
105 100
120 24.8 12.8 38.3

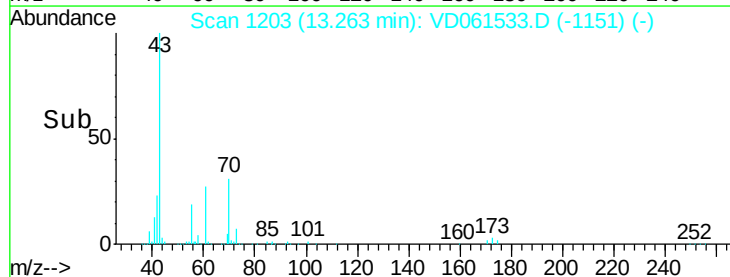
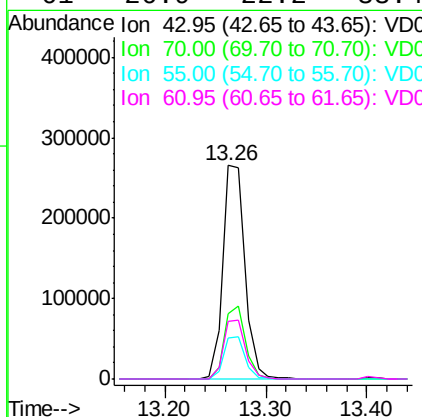
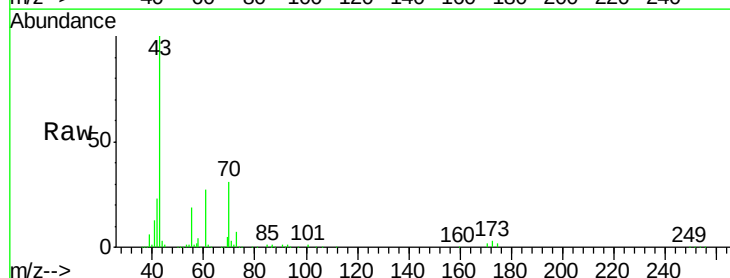
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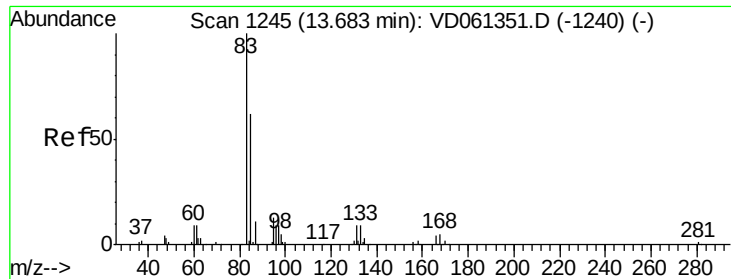
MMDadoda
4/3/2019 1:03:10 PM



#74
N-ethyl acetate
Concen: 51.097 ug/l
RT: 13.26 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion: 43 Resp: 405302
Ion Ratio Lower Upper
43 100
70 30.7 26.6 40.0
55 19.3 15.4 23.2
61 26.9 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.140 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.02 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

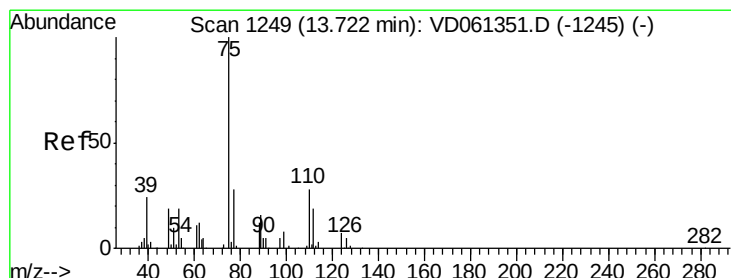
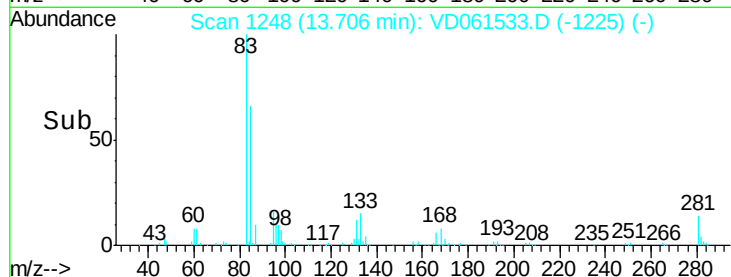
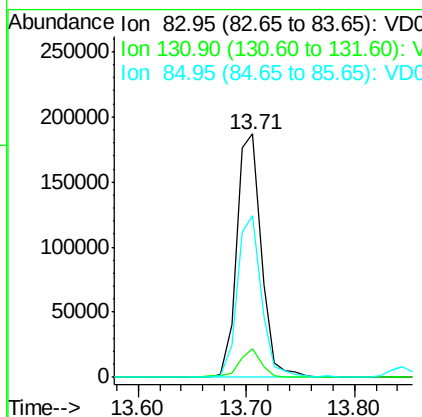
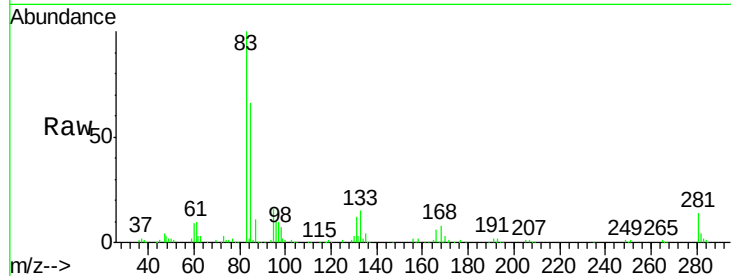
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	295167
Ion Ratio	Lower	Upper	
83	100		
131	11.8	4.3	13.1
85	66.3	31.2	93.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.240 ug/l

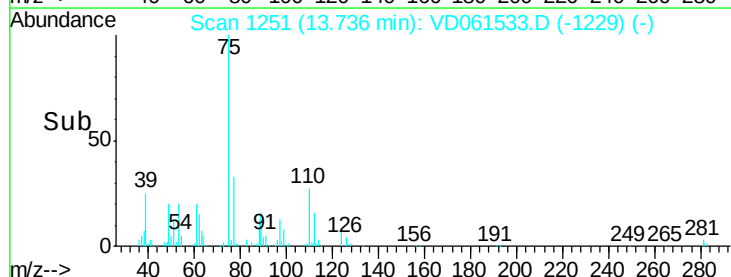
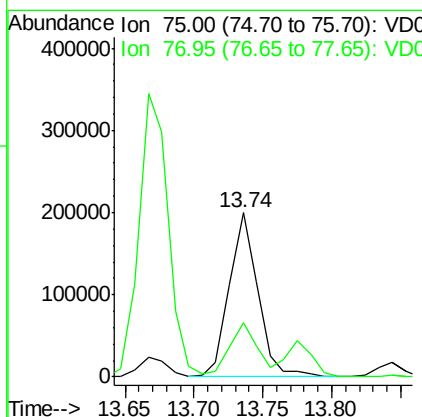
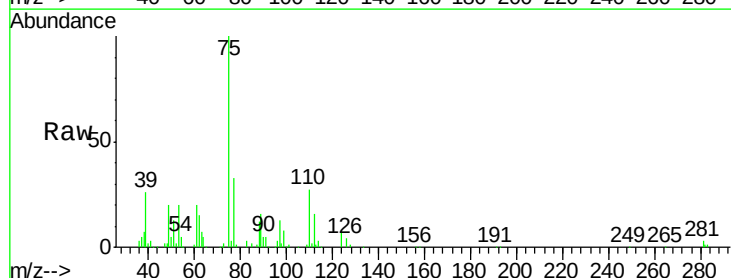
RT: 13.74 min Scan# 1251

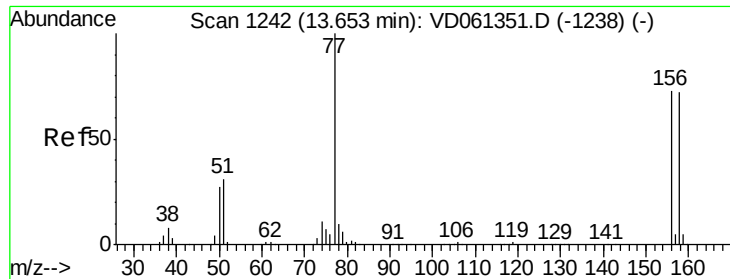
Delta R.T. 0.01 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Tgt Ion:	75	Resp:	291000
Ion Ratio	Lower	Upper	
75	100		
77	33.3	16.2	48.5





#77

Bromobenzene

Concen: 49.493 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 417795

Ion Ratio Lower Upper

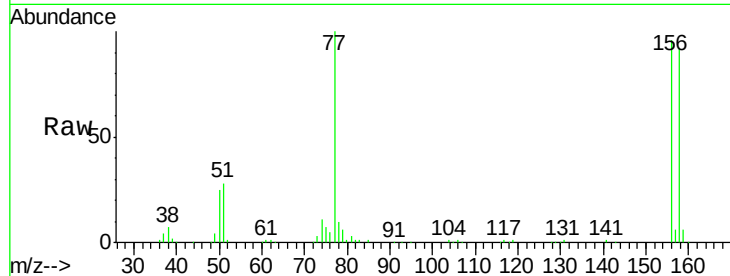
156 100

77 104.3 68.5 205.6

158 95.5 49.1 147.3

Manual Integrations
APPROVED

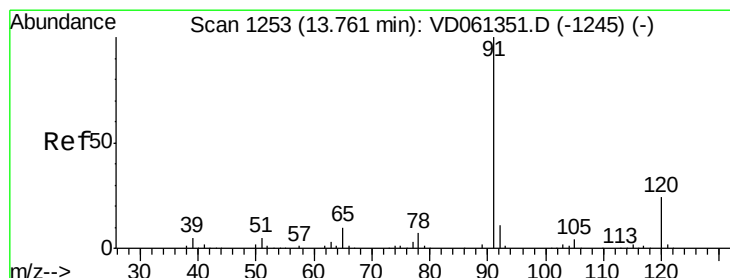
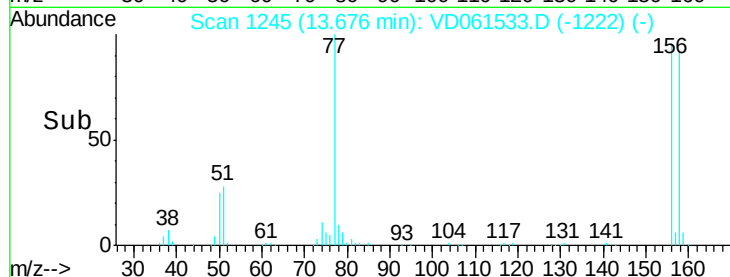
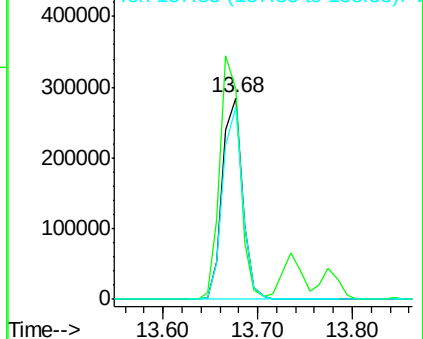
MMDadoda
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.432 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061533.D

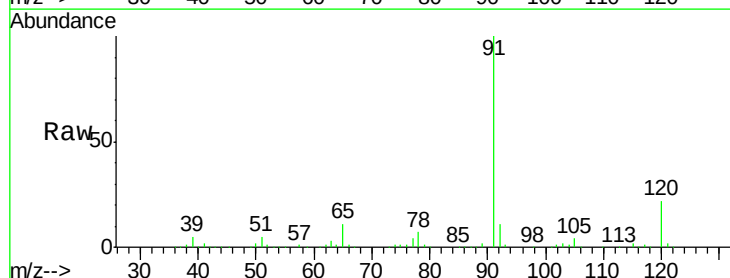
Acq: 3 Apr 2019 1:48

Tgt Ion: 91 Resp: 1617958

Ion Ratio Lower Upper

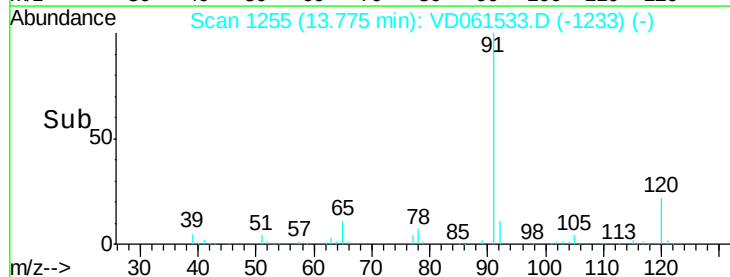
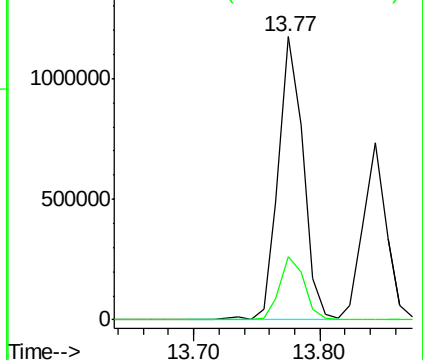
91 100

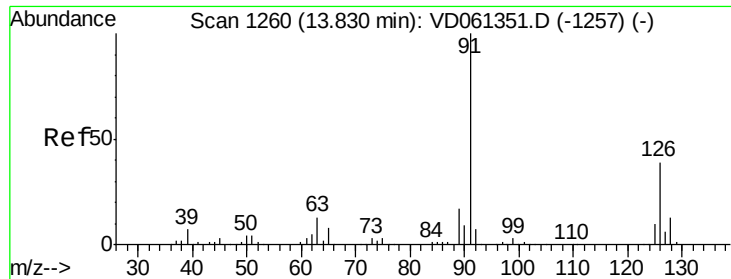
120 22.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 49.354 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 933798

Ion Ratio Lower Upper

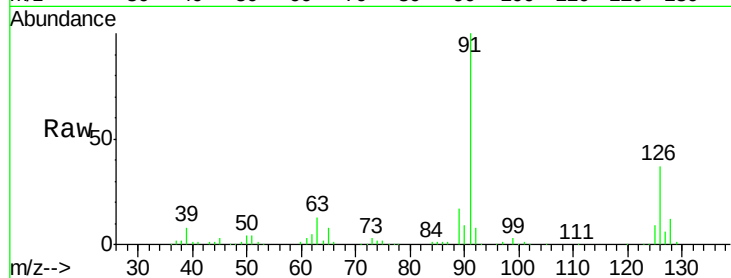
91 100

126 36.7 19.4 58.2

Manual Integrations
APPROVED

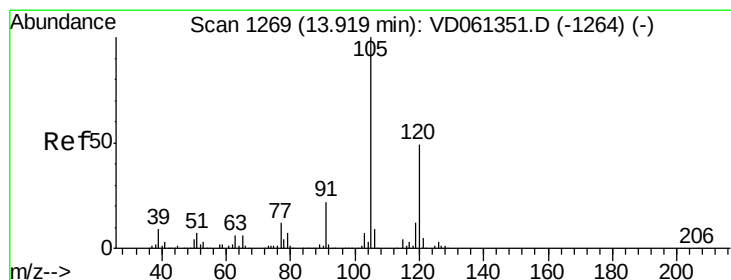
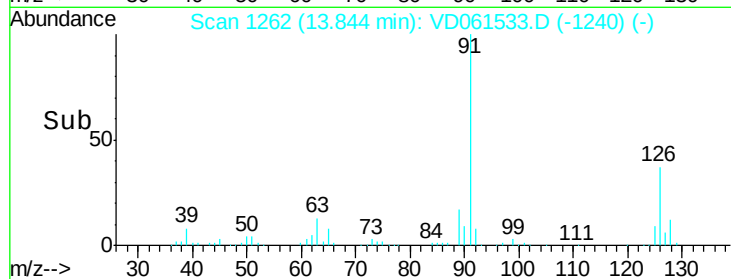
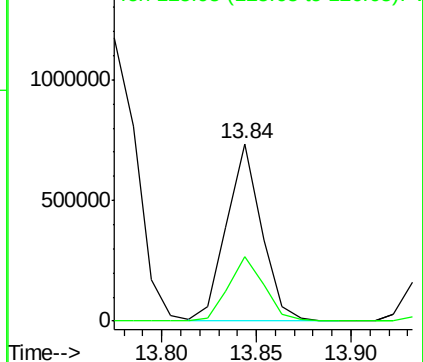
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 51.437 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD061533.D

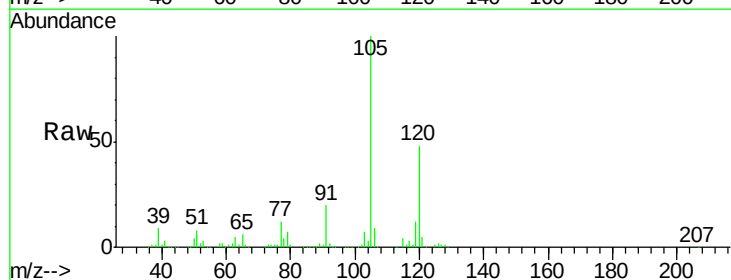
Acq: 3 Apr 2019 1:48

Tgt Ion: 105 Resp: 1136393

Ion Ratio Lower Upper

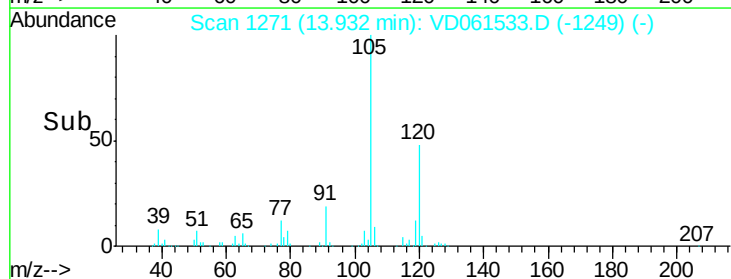
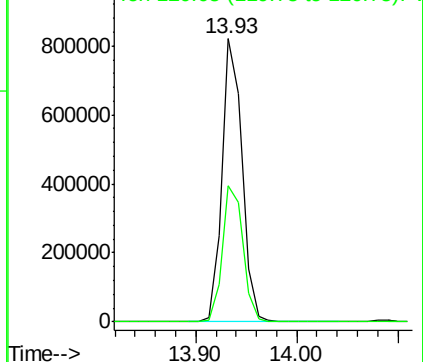
105 100

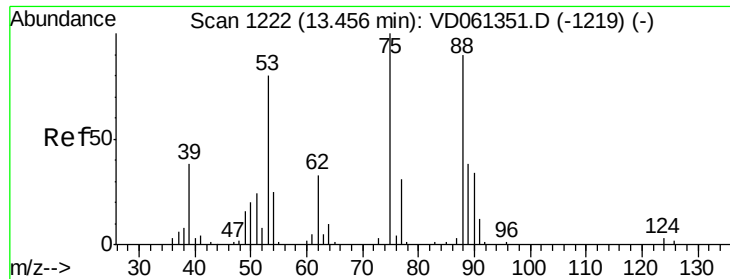
120 48.0 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 46.877 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.02 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

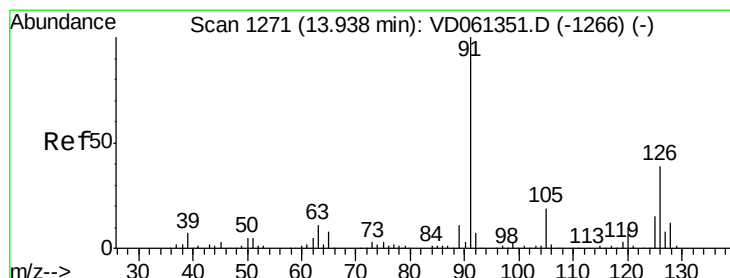
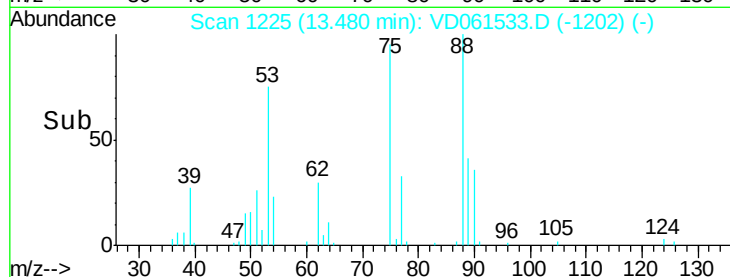
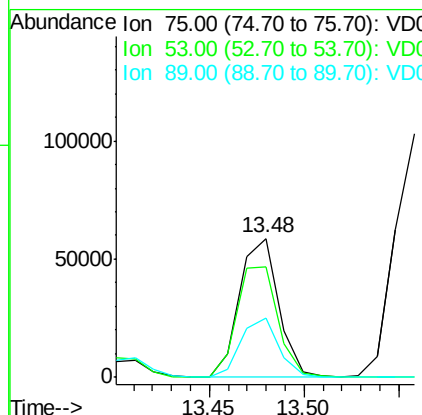
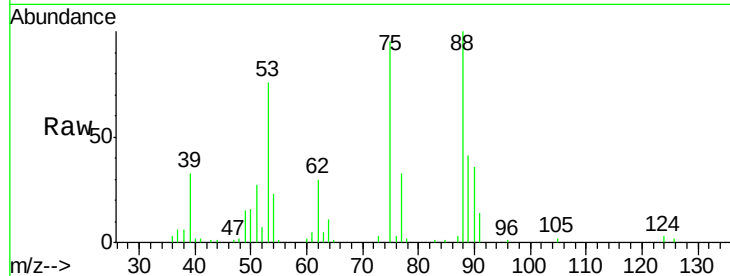
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	84468
Ion Ratio	Lower	Upper	
75	100		
53	79.6	63.8	95.8
89	43.0	30.5	45.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.984 ug/l

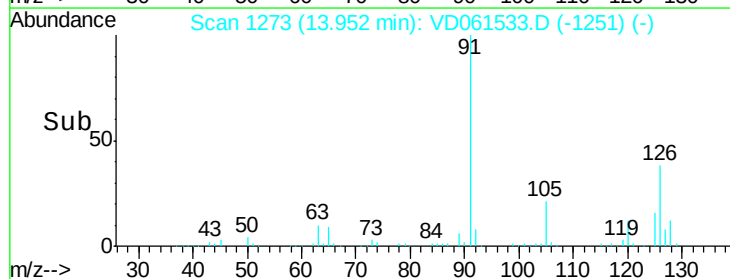
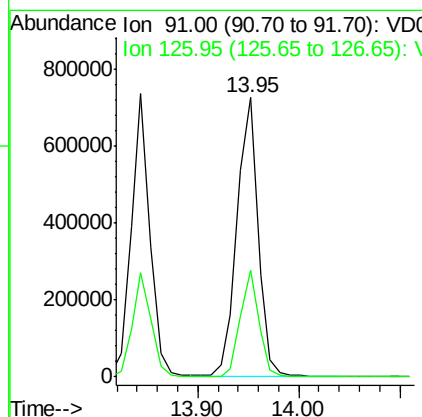
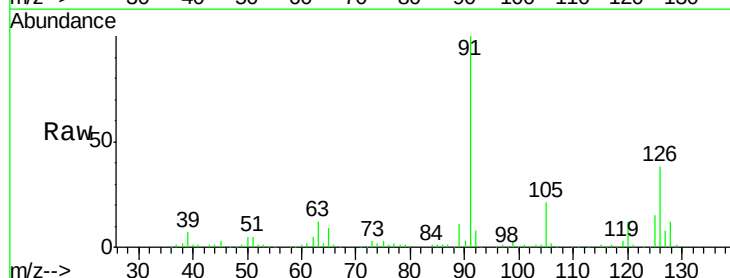
RT: 13.95 min Scan# 1273

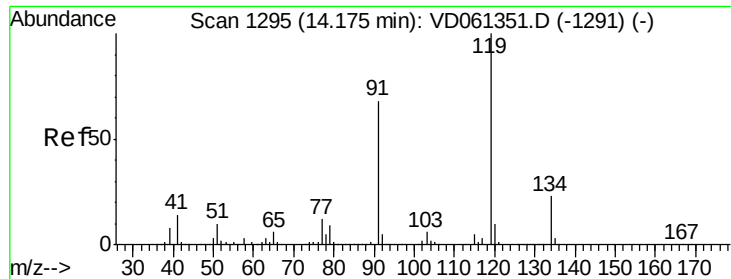
Delta R.T. 0.01 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Tgt Ion:	91	Resp:	1048885
Ion Ratio	Lower	Upper	
91	100		
126	38.3	19.6	58.8





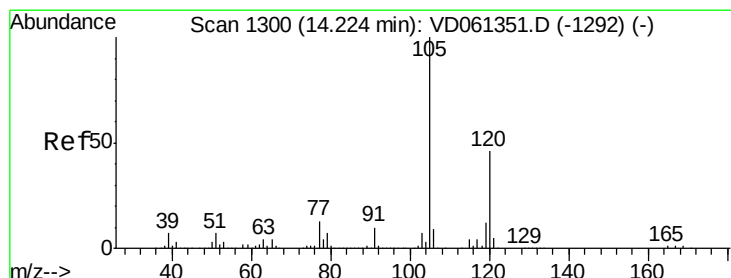
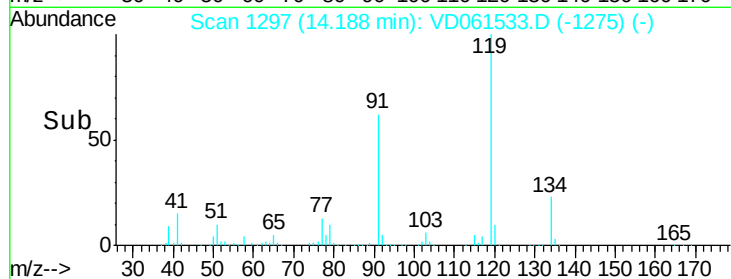
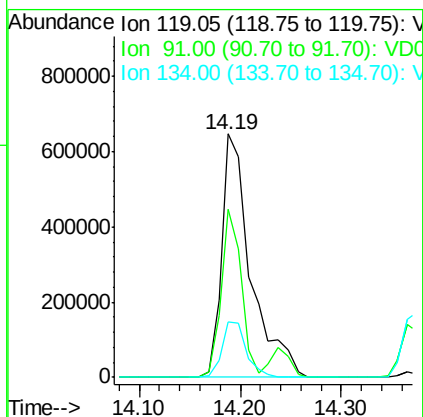
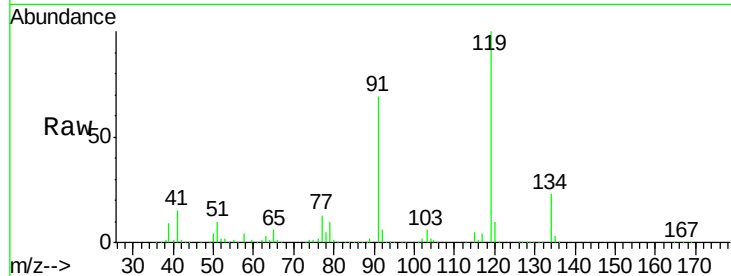
#83
 tert-Butylbenzene
 Concen: 47.245 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1304428
 Ion Ratio Lower Upper
 119 100
 91 69.1 34.1 102.3
 134 22.7 11.6 34.8

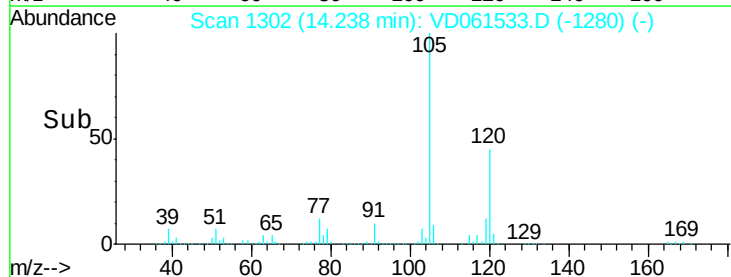
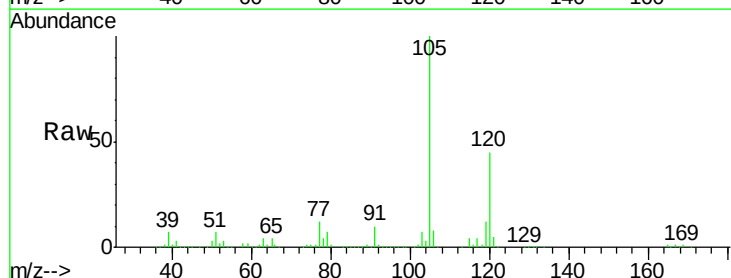
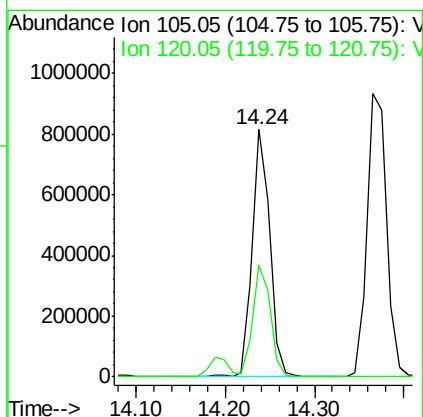
Manual Integrations
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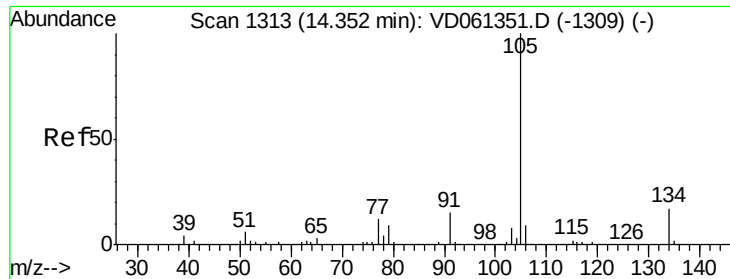
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#84
 1,2,4-Trimethylbenzene
 Concen: 45.842 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion:105 Resp: 1096463
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.8 68.4





#85

sec-Butylbenzene

Concen: 47.553 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1394771

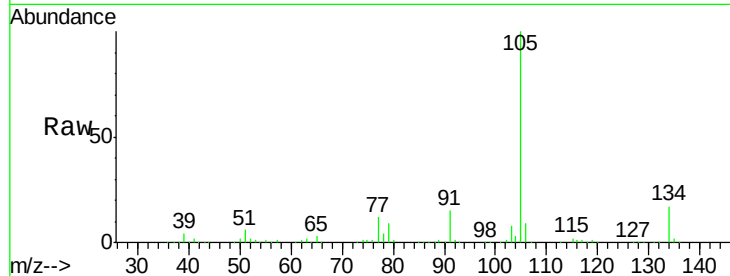
Ion Ratio Lower Upper

105 100

134 16.7 8.7 26.1

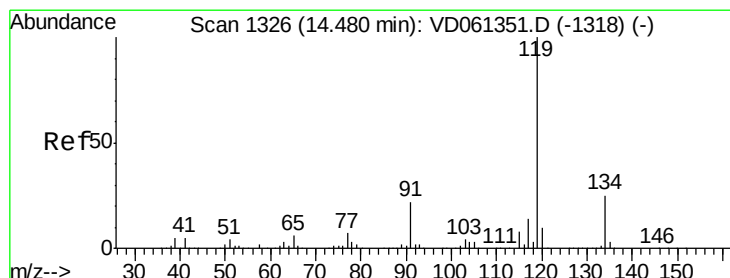
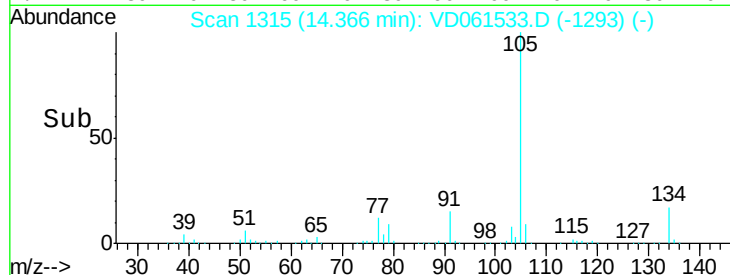
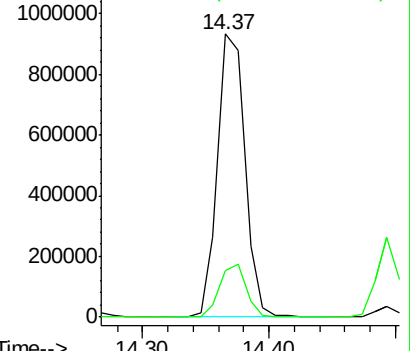
Manual Integrations
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.046 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

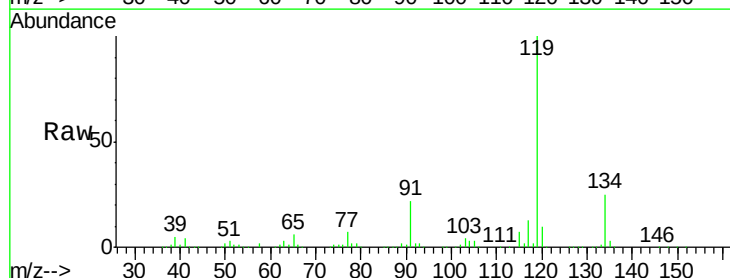
Tgt Ion:119 Resp: 1290851

Ion Ratio Lower Upper

119 100

134 24.8 12.3 36.8

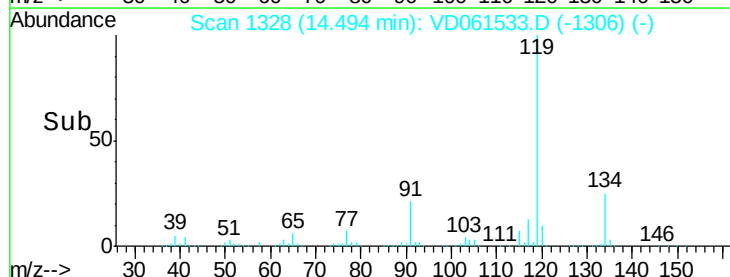
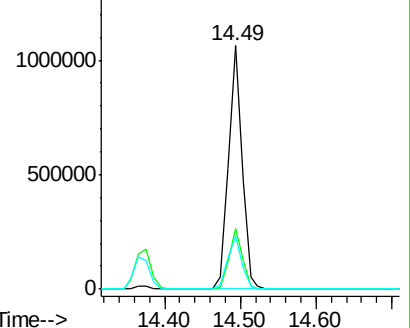
91 21.6 11.1 33.1

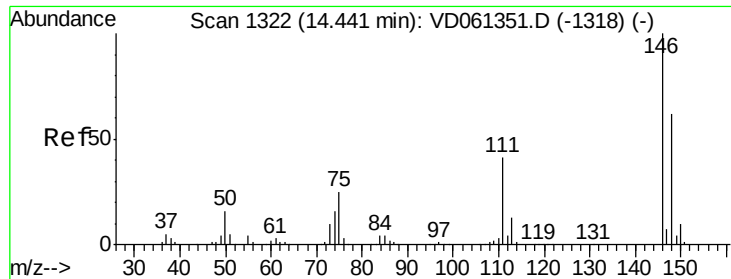


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 46.843 ug/l

RT: 14.45 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Instrument :

MSVOA_D

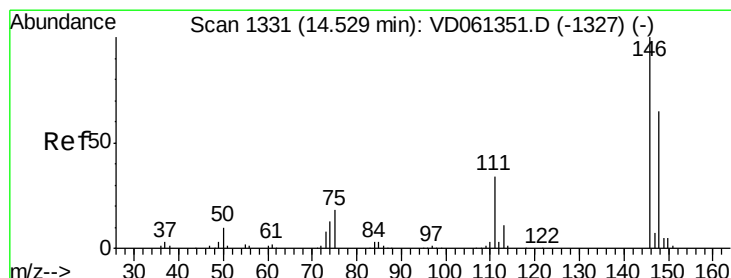
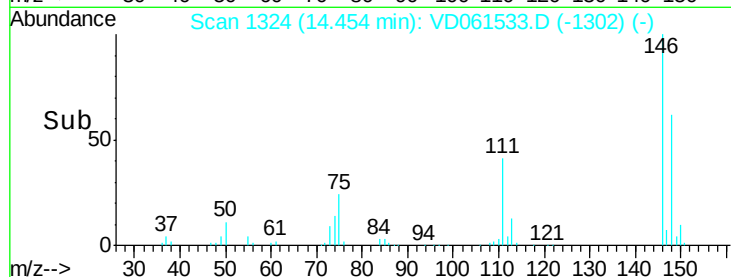
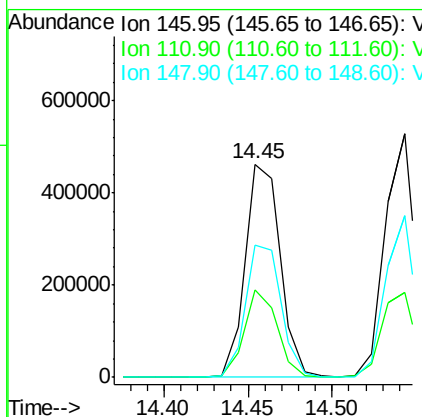
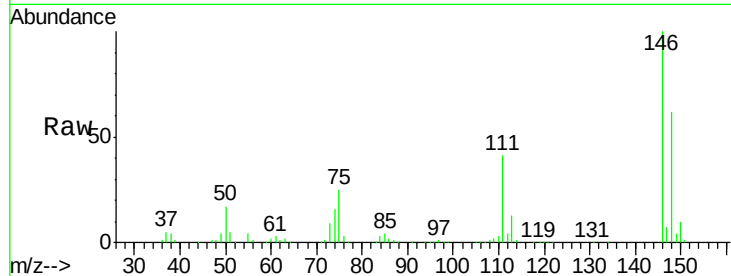
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	669612
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.6	61.9
148	62.1	31.1	93.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.523 ug/l

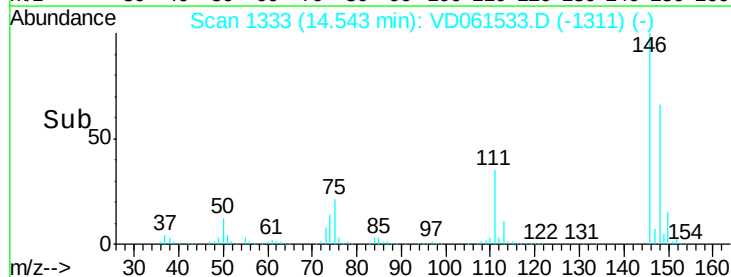
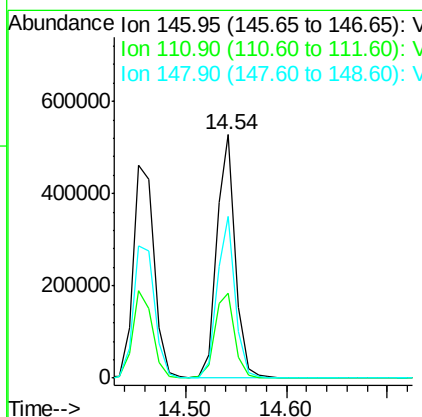
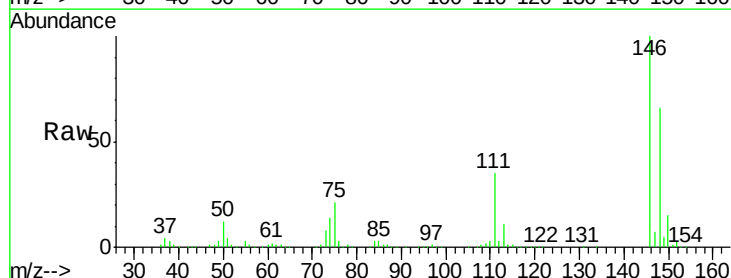
RT: 14.54 min Scan# 1333

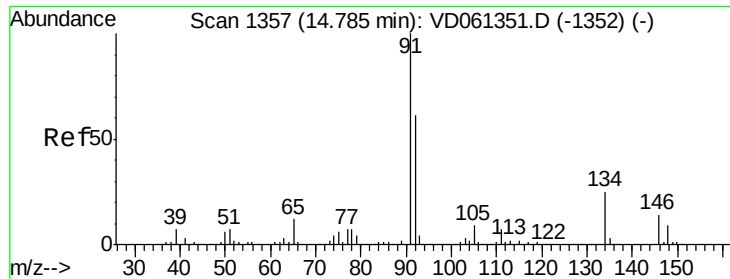
Delta R.T. 0.01 min

Lab File: VD061533.D

Acq: 3 Apr 2019 1:48

Tgt Ion:	146	Resp:	676413
Ion Ratio	Lower	Upper	
146	100		
111	35.1	16.8	50.4
148	66.2	32.6	98.0





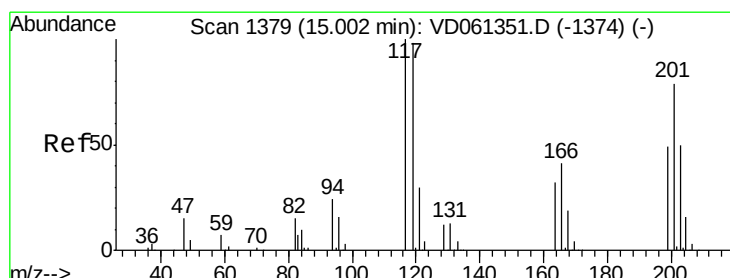
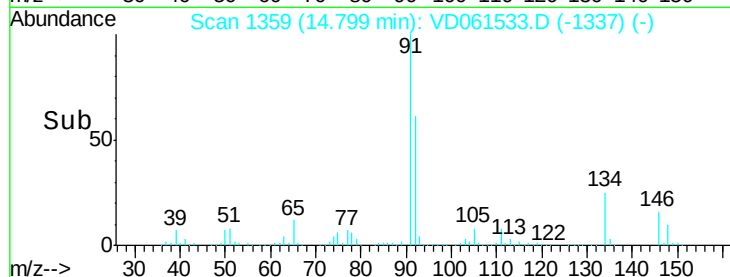
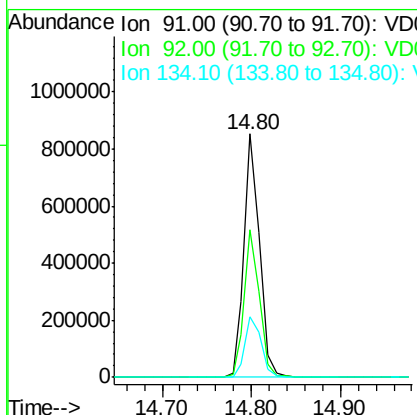
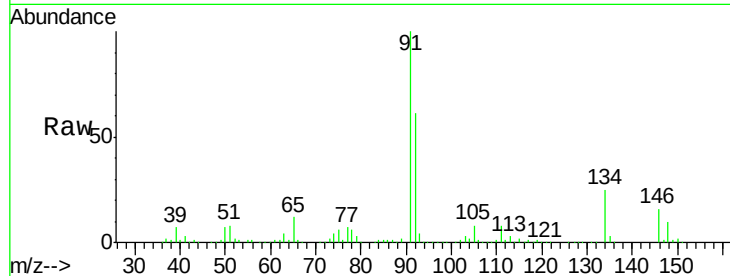
#89
n-Butylbenzene
Concen: 45.180 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1028497
Ion Ratio Lower Upper
91 100
92 60.7 30.3 91.0
134 25.1 12.4 37.0

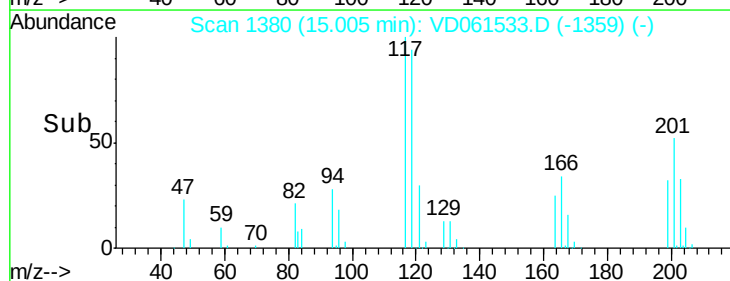
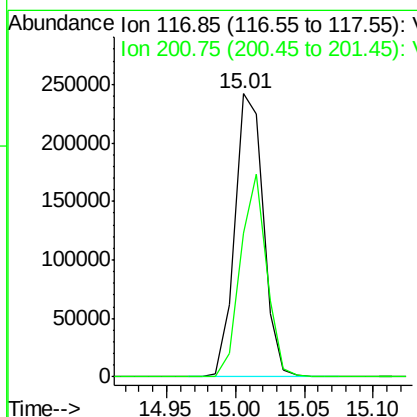
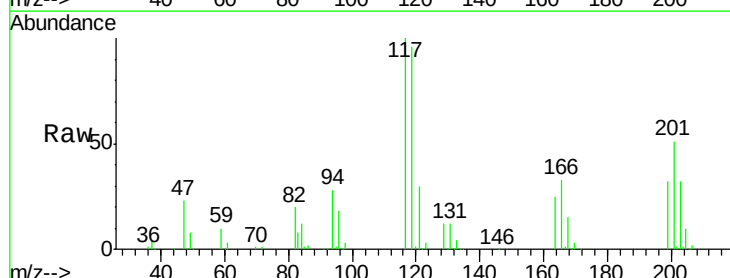
Manual Integrations
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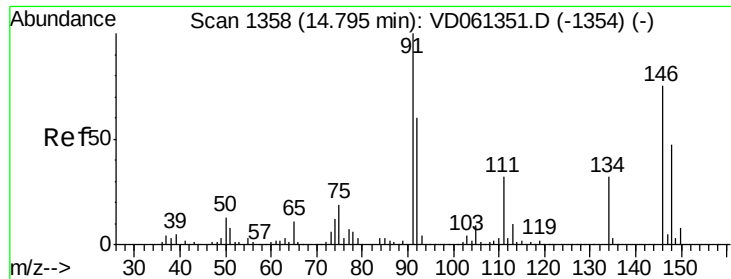
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#90
Hexachloroethane
Concen: 50.074 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion: 117 Resp: 350868
Ion Ratio Lower Upper
117 100
201 50.6 39.6 119.0





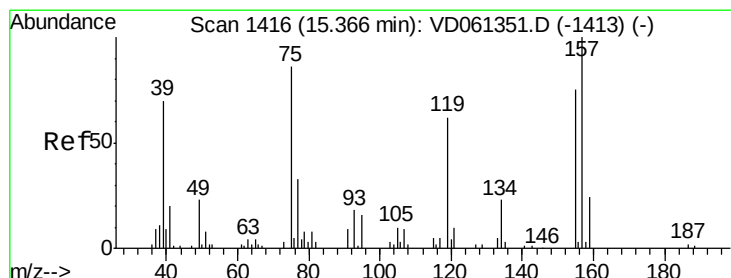
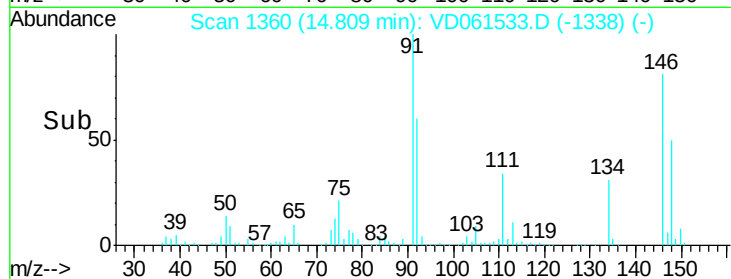
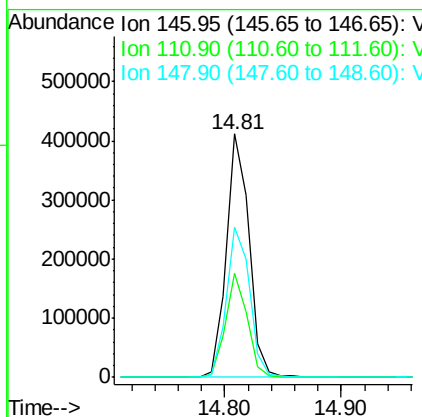
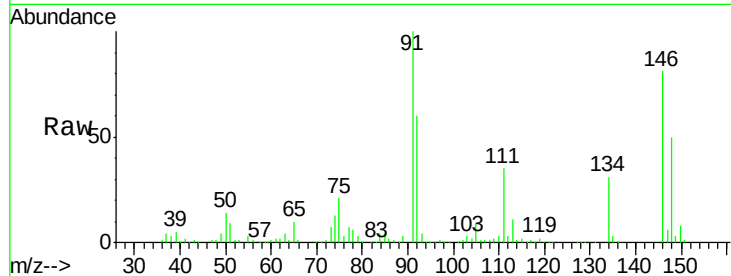
#91
 1,2-Dichlorobenzene
 Concen: 47.295 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	554535		
111	42.6	21.2	63.6	
148	61.8	31.6	95.0	

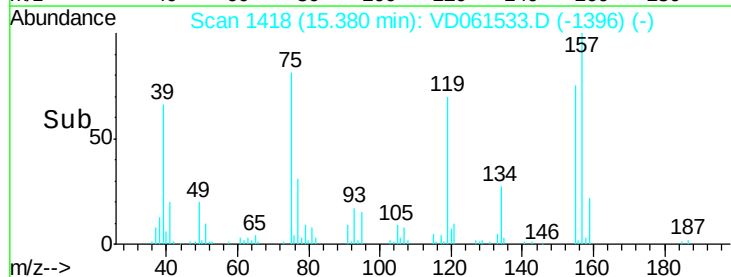
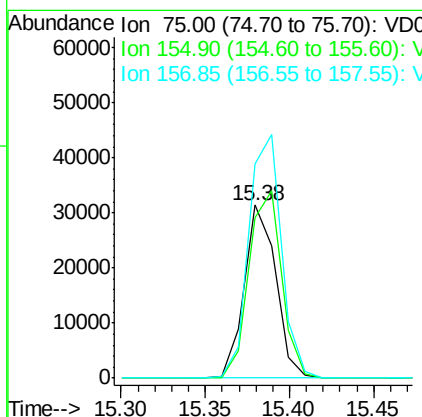
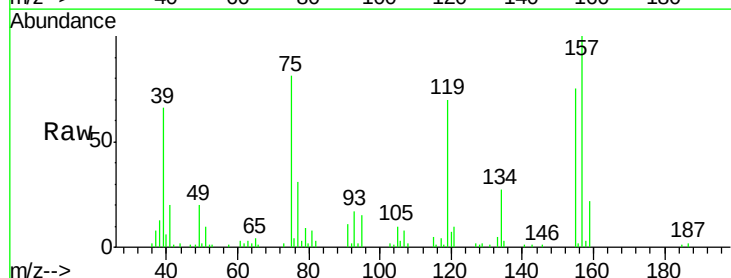
Manual Integrations
 APPROVED

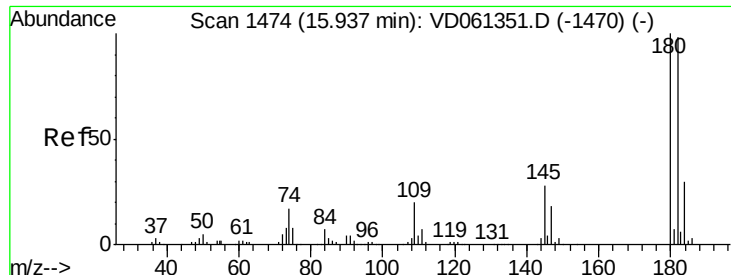
MMDadoda
 4/3/2019 1:03:10 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.950 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	40825		
155	93.2	43.6	130.9	
157	124.2	58.5	175.3	





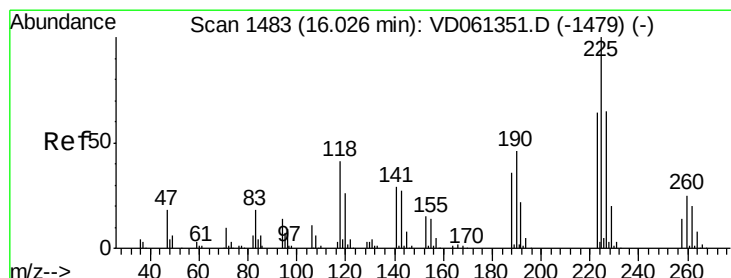
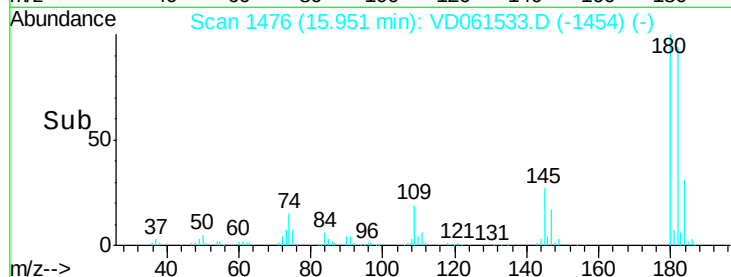
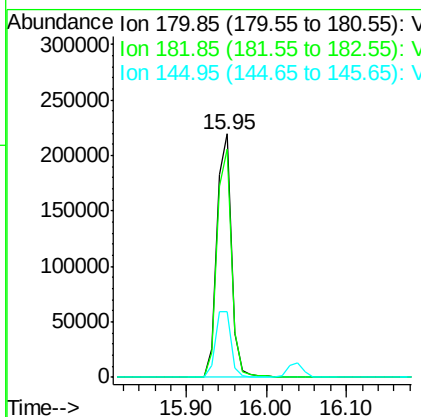
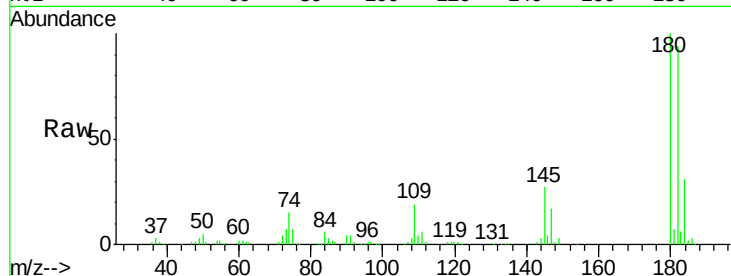
#93
 1,2,4-Trichlorobenzene
 Concen: 53.661 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	286614		
182	93.7	48.9	146.8	
145	27.2	14.1	42.3	

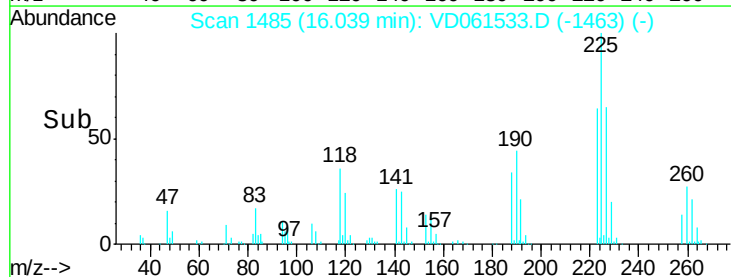
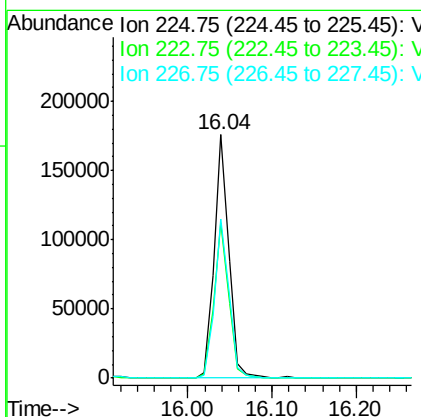
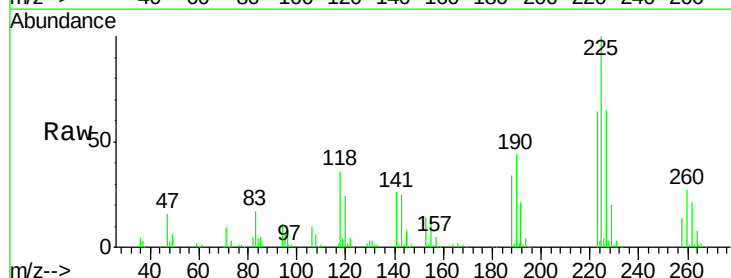
Manual Integrations
 APPROVED

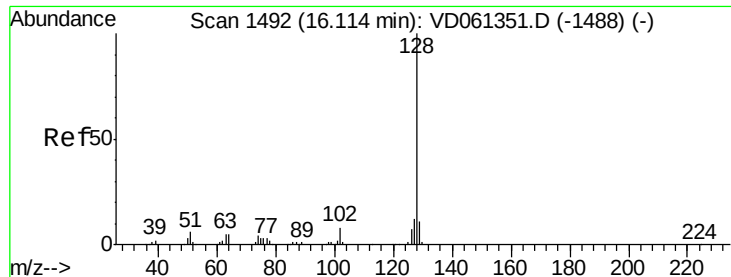
MMDadoda
 4/3/2019 1:03:10 PM



#94
 Hexachlorobutadiene
 Concen: 50.898 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061533.D
 Acq: 3 Apr 2019 1:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	212437		
223	63.6	32.0	96.0	
227	65.3	32.4	97.2	





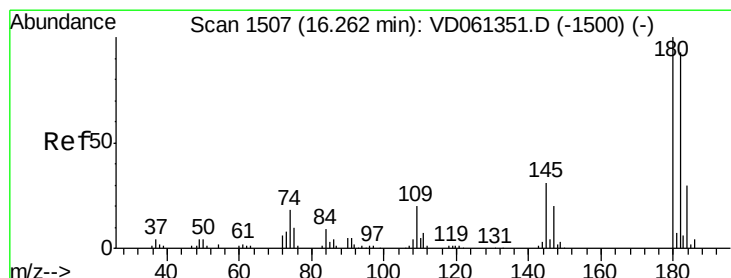
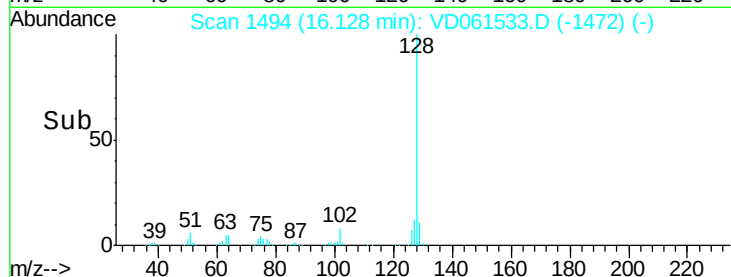
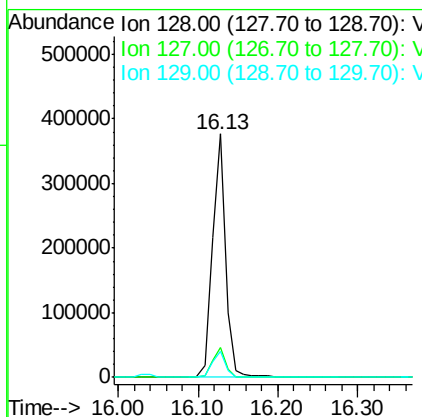
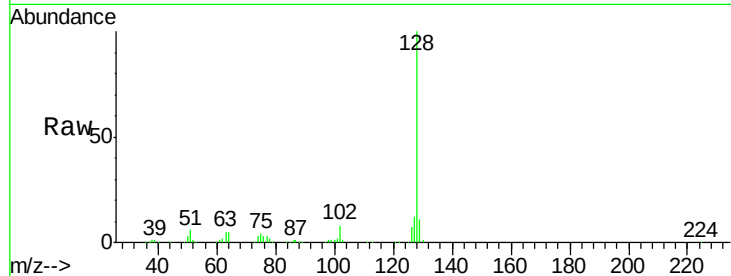
#95
Naphthalene
Concen: 53.811 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	438094		
127	12.1		9.9	14.9
129	10.6		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
4/3/2019 1:03:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 64.102 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061533.D
Acq: 3 Apr 2019 1:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	150664		
182	95.2		46.4	139.1
145	28.6		15.3	45.9

