

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041019\
 Data File : VD061708.D
 Acq On : 10 Apr 2019 12:38
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:45:45 AM

Quant Time: Apr 11 01:14:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	765065	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1174332	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.39	117	989497	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	438863	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	273973	47.24	ug/l	0.02
Spiked Amount	50.000		Recovery	=	94.48%	
35) Dibromofluoromethane	6.95	113	412323	50.68	ug/l	0.03
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	10.44	98	913665	44.70	ug/l	0.03
Spiked Amount	50.000		Recovery	=	89.40%	
62) 4-Bromofluorobenzene	13.57	95	365551	51.12	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	404490	49.007	ug/l	96
3) Chloromethane	1.77	50	290978	43.626	ug/l	96
4) Vinyl Chloride	1.86	62	293967	47.166	ug/l	100
5) Bromomethane	2.17	94	63520	44.032	ug/l	93
6) Chloroethane	2.29	64	102917	52.721	ug/l	99
7) Trichlorofluoromethane	2.55	101	479649	50.970	ug/l	98
8) Diethyl Ether	2.90	74	126102	47.748	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.17	101	457449	49.445	ug/l	98
10) Methyl Iodide	3.33	142	663297	48.217	ug/l	99
11) Tert butyl alcohol	4.08	59	93774	241.280	ug/l	96
12) 1,1-Dichloroethene	3.15	96	384977	48.269	ug/l	95
13) Acrolein	3.05	56	136502	288.070	ug/l	95
14) Allyl chloride	3.65	41	528946	48.625	ug/l	99
15) Acrylonitrile	4.22	53	278339	208.046	ug/l	97
16) Acetone	3.24	43	454278	262.049	ug/l	98
17) Carbon Disulfide	3.40	76	1135491	43.815	ug/l	99
18) Methyl Acetate	3.66	43	146709	44.981	ug/l	94
19) Methyl tert-butyl Ether	4.27	73	595120	43.094	ug/l	98
20) Methylene Chloride	3.84	84	442536	44.986	ug/l	99
21) trans-1,2-Dichloroethene	4.25	96	370034	42.717	ug/l	98
22) Diisopropyl ether	5.15	45	1091741	47.868	ug/l	98
23) Vinyl Acetate	5.09	43	3031831	240.916	ug/l	100
24) 1,1-Dichloroethane	5.02	63	686505	49.120	ug/l	99
25) 2-Butanone	6.10	43	471144	235.749	ug/l	96
26) 2,2-Dichloropropane	6.06	77	561841	49.370	ug/l	97
27) cis-1,2-Dichloroethene	6.07	96	431237	46.664	ug/l	95
28) Bromochloromethane	6.47	49	250177	48.525	ug/l	100
29) Tetrahydrofuran	6.48	42	210871	218.577	ug/l	99
30) Chloroform	6.70	83	722674	49.359	ug/l	98
31) Cyclohexane	6.98	56	482179	44.162	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	619563	48.289	ug/l	98
36) 1,1-Dichloropropene	7.18	75	527956	51.370	ug/l	98
37) Ethyl Acetate	6.20	43	208021	49.692	ug/l	97
38) Carbon Tetrachloride	7.14	117	655345m	54.407	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	532623	50.478	ug/l	97
40) Benzene	7.48	78	1274220	51.392	ug/l	99
41) Methacrylonitrile	6.47	41	239316	48.972	ug/l	99
42) 1,2-Dichloroethane	7.60	62	411429	52.763	ug/l	98
43) Isopropyl Acetate	9.26	43	315688	51.962	ug/l	99
44) Trichloroethene	8.57	130	494355	52.008	ug/l	98
45) 1,2-Dichloropropane	8.96	63	312363	50.800	ug/l	97
46) Dibromomethane	9.09	93	229024	52.115	ug/l	95
47) Bromodichloromethane	9.39	83	502134	52.025	ug/l	99
48) Methyl methacrylate	9.14	41	178852	51.070	ug/l	94
49) 1,4-Dioxane	9.11	88	43462	1124.341	ug/l #	87
51) 4-Methyl-2-Pentanone	10.32	43	989348	275.357	ug/l	98
52) Toluene	10.53	92	741192	47.872	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	450809	53.284	ug/l	97
54) cis-1,3-Dichloropropene	10.06	75	556928	53.399	ug/l	94
55) 1,1,2-Trichloroethane	11.22	97	258163	49.439	ug/l	96
56) Ethyl methacrylate	11.06	69	282806	51.338	ug/l	99
57) 1,3-Dichloropropane	11.42	76	408820	53.460	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.88	63	630158	242.438	ug/l	100
59) 2-Hexanone	11.55	43	745080	267.204	ug/l	94
60) Dibromochloromethane	11.71	129	432824	52.463	ug/l	98
61) 1,2-Dibromoethane	11.83	107	331260	54.244	ug/l	96
64) Tetrachloroethene	11.27	164	376548	49.024	ug/l	98
65) Chlorobenzene	12.42	112	897439	45.734	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	373739	49.496	ug/l	98
67) Ethyl Benzene	12.53	91	1351512	45.229	ug/l	98
68) m/p-Xylenes	12.68	106	1138917	98.864	ug/l	95
69) o-Xylene	13.07	106	532557	47.890	ug/l	94
70) Styrene	13.09	104	885955	46.651	ug/l	99
71) Bromoform	13.24	173	243428	51.958	ug/l	99
73) Isopropylbenzene	13.42	105	1464407	50.079	ug/l	97
74) N-amyl acetate	13.27	43	386561	48.654	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	311423	51.506	ug/l	97
76) 1,2,3-Trichloropropane	13.75	75	294287	49.288	ug/l	98
77) Bromobenzene	13.69	156	450973	53.131	ug/l	81
78) n-propylbenzene	13.78	91	1674574	47.873	ug/l	98
79) 2-Chlorotoluene	13.85	91	940348	47.010	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	1178031	50.756	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.49	75	97950	54.061	ug/l	96
82) 4-Chlorotoluene	13.96	91	1139115	51.969	ug/l	99
83) tert-Butylbenzene	14.20	119	1381023	49.351	ug/l	100
84) 1,2,4-Trimethylbenzene	14.25	105	1097625	46.858	ug/l	100
85) sec-Butylbenzene	14.38	105	1532184	50.677	ug/l	99
86) p-Isopropyltoluene	14.50	119	1307856	49.864	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	783974	53.669	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	721970	48.984	ug/l	98
89) n-Butylbenzene	14.81	91	1142156	50.100	ug/l	99
90) Hexachloroethane	15.02	117	384764	54.064	ug/l	98
91) 1,2-Dichlorobenzene	14.82	146	569266	47.284	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	37778	51.777	ug/l	96

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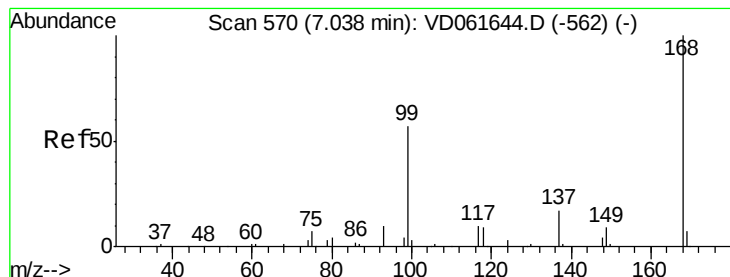
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	299052	48.756	ug/l	96
94) Hexachlorobutadiene	16.05	225	235183	49.657	ug/l	99
95) Naphthalene	16.14	128	457992	47.190	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	142163	46.440	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tgt Ion: 168 Resp: 765065

Ion Ratio Lower Upper

168 100

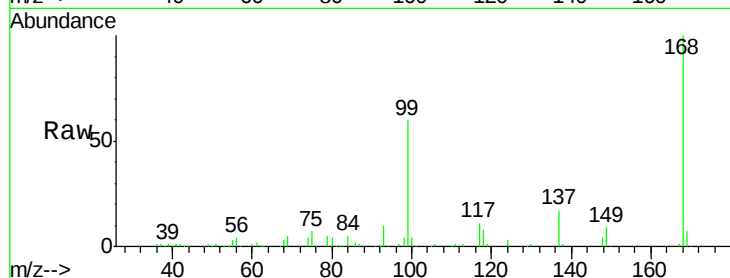
99 59.8 46.8 70.2

Manual Integrations

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4/11/2019 11:45:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

250000

200000

150000

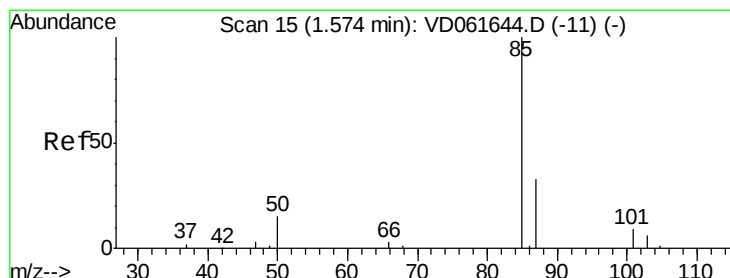
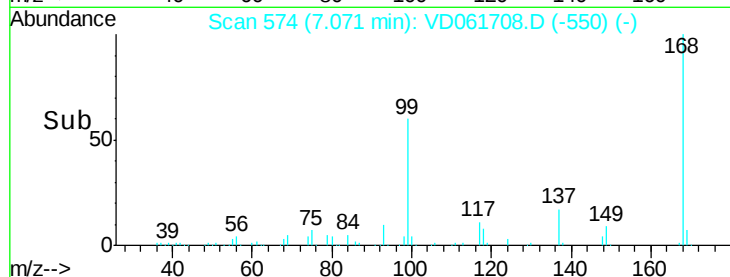
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 49.007 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD061708.D

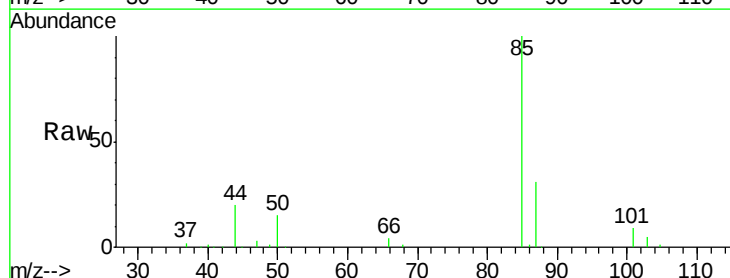
Acq: 10 Apr 2019 12:38

Tgt Ion: 85 Resp: 404490

Ion Ratio Lower Upper

85 100

87 31.0 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

150000

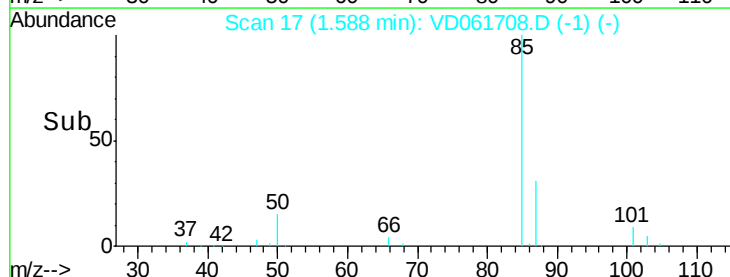
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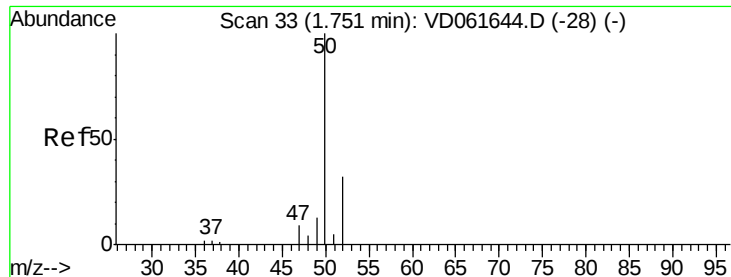
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 43.626 ug/l

RT: 1.77 min Scan# 36

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 290978

Ion Ratio Lower Upper

50 100

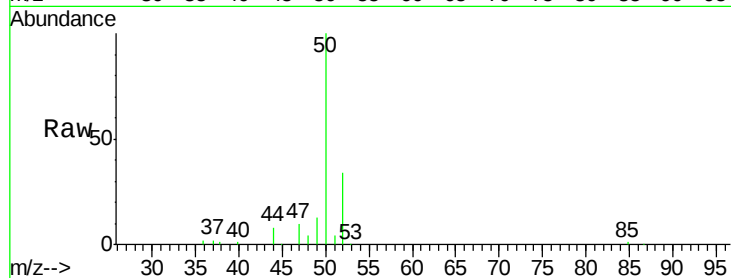
52 33.5 25.1 37.7

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

100000

80000

60000

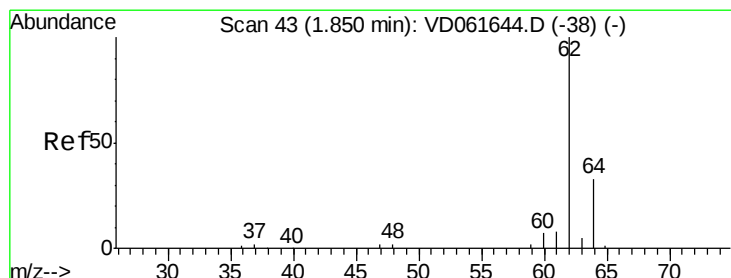
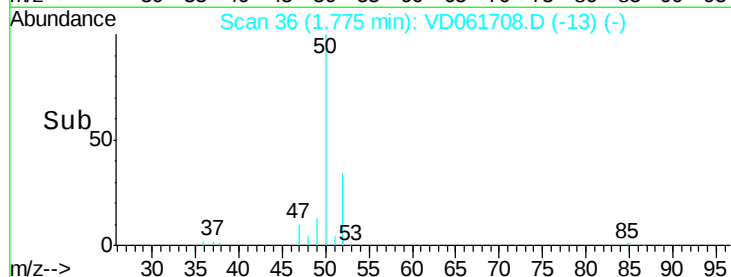
40000

20000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 47.166 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD061708.D

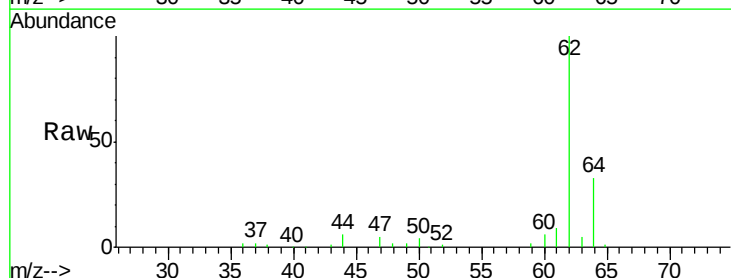
Acq: 10 Apr 2019 12:38

Tgt Ion: 62 Resp: 293967

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

150000

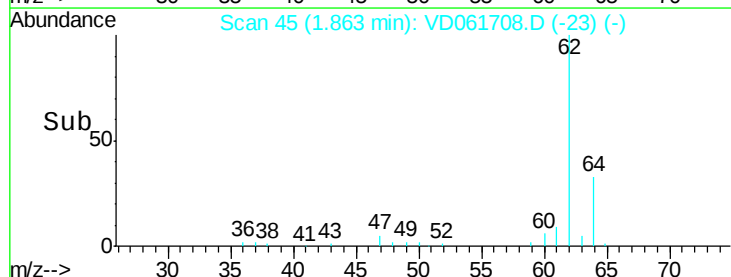
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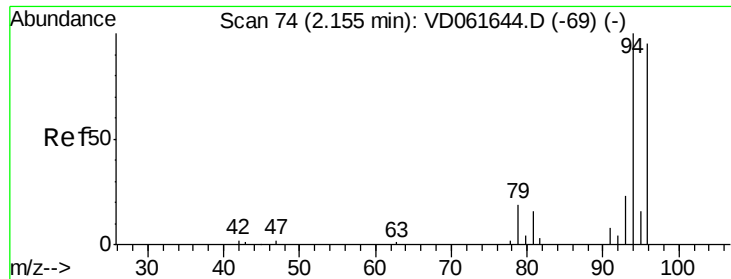
50000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 44.032 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.01 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

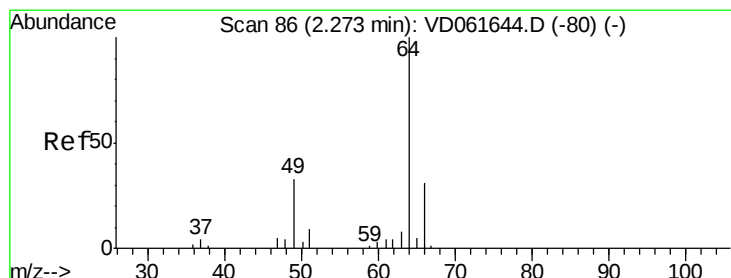
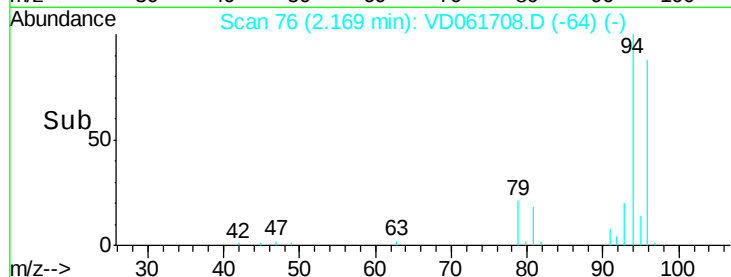
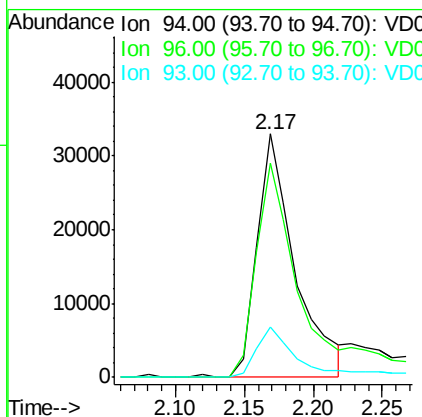
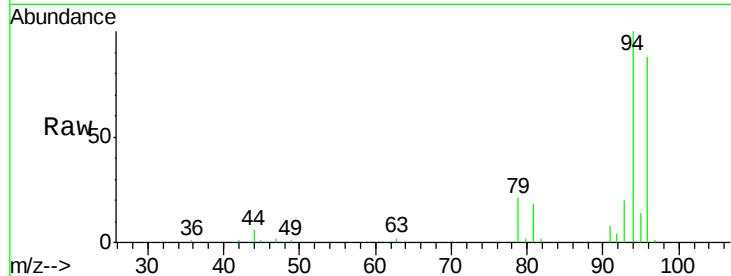
ClientSampleId :

VSTDCCC050

Tgt Ion:	94	Resp:	63520
Ion	Ratio	Lower	Upper
94	100		
96	88.1	75.8	113.8
93	20.5	18.6	28.0

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#6

Chloroethane

Concen: 52.721 ug/l

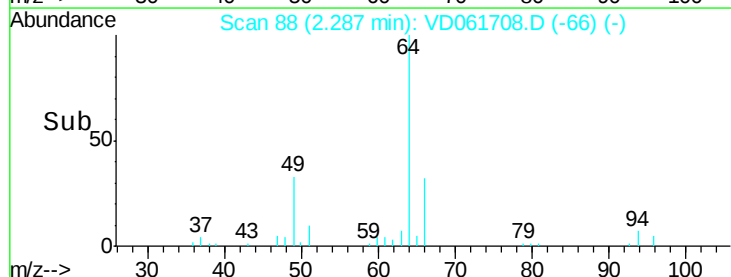
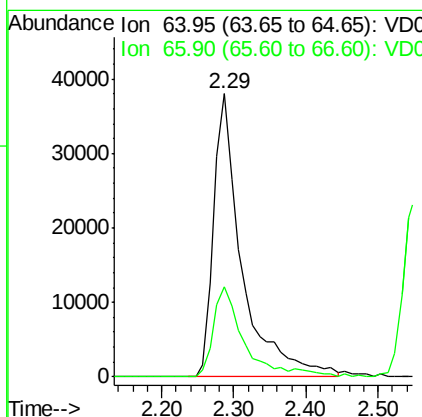
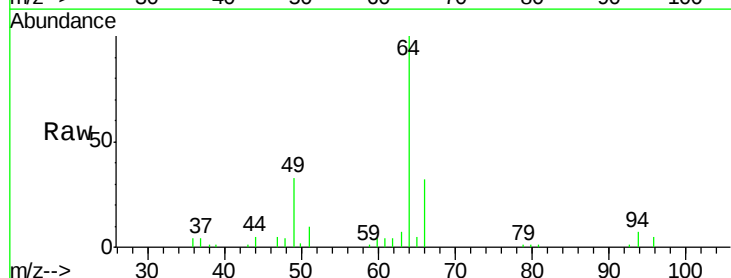
RT: 2.29 min Scan# 88

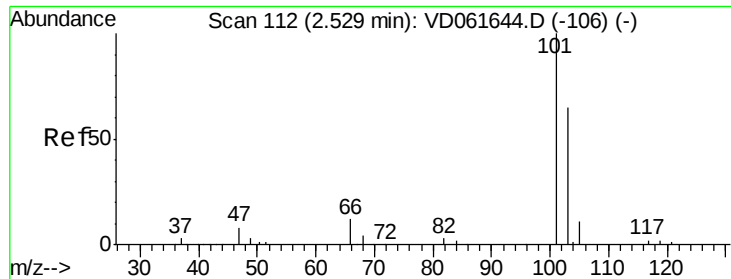
Delta R.T. 0.01 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Tgt Ion:	64	Resp:	102917
Ion	Ratio	Lower	Upper
64	100		
66	31.8	24.9	37.3





#7

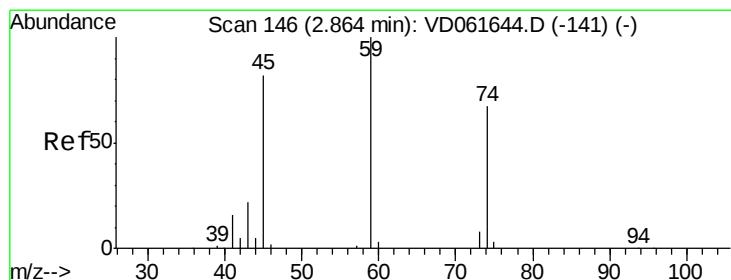
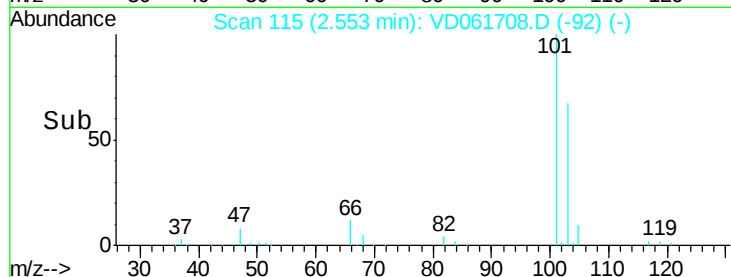
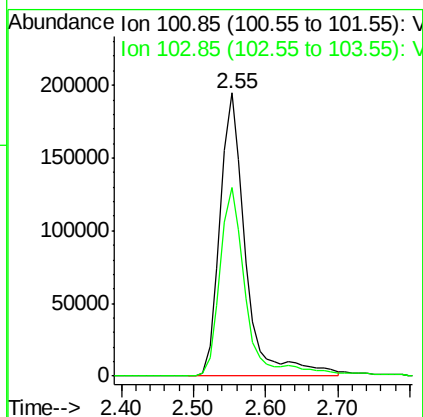
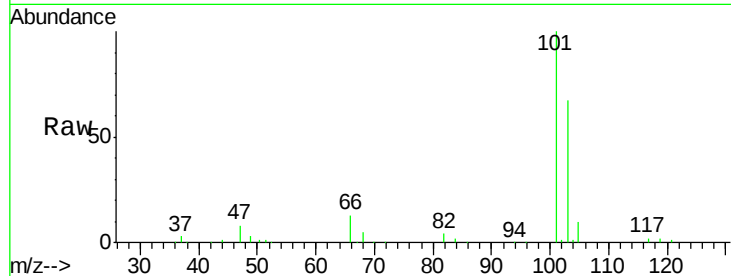
Trichlorofluoromethane
Concen: 50.970 ug/l
RT: 2.55 min Scan# 115
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

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ClientSampleId :
VSTDCCC050

Tgt Ion: 101 Resp: 479649
Ion Ratio Lower Upper
101 100
103 66.7 52.0 78.0

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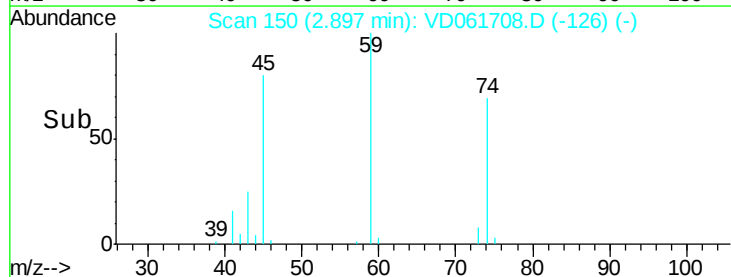
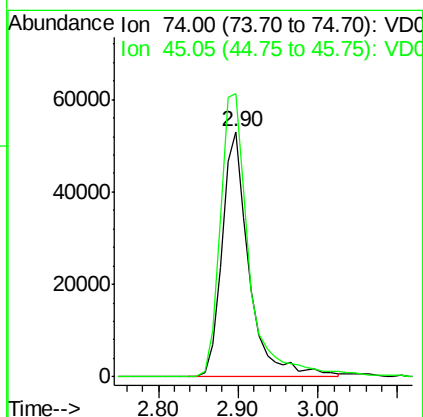
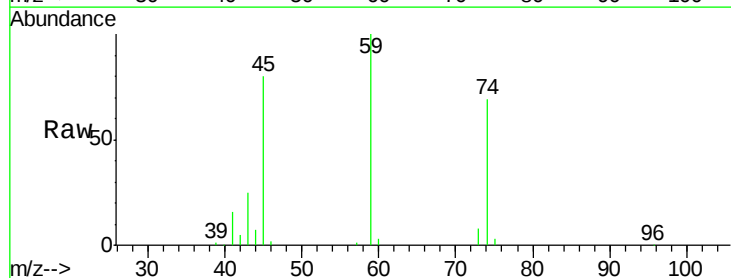
MMDadoda
4/11/2019 11:45:45 AM

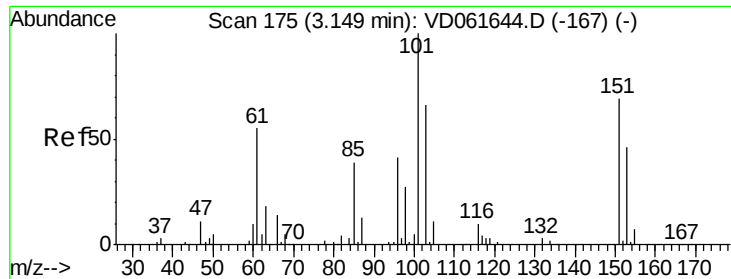


#8

Diethyl Ether
Concen: 47.748 ug/l
RT: 2.90 min Scan# 150
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion: 74 Resp: 126102
Ion Ratio Lower Upper
74 100
45 115.4 61.0 183.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.445 ug/l

RT: 3.17 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

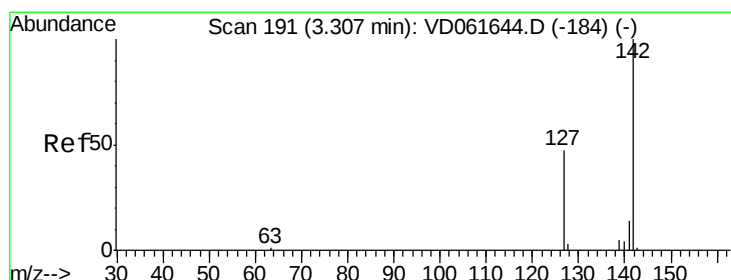
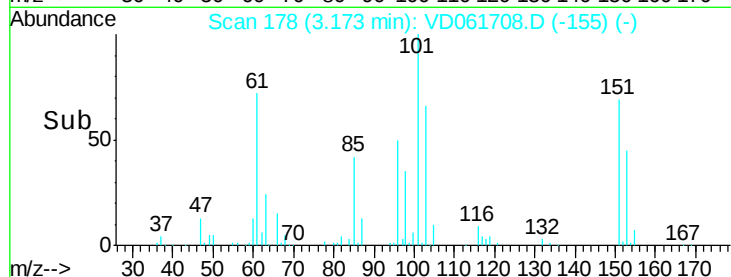
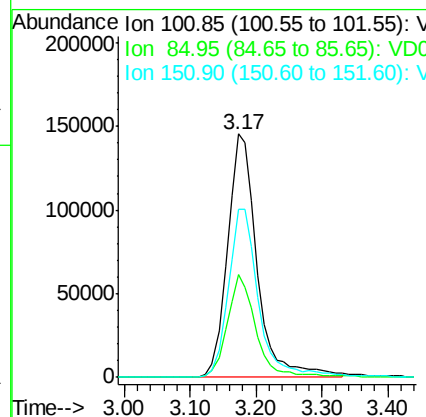
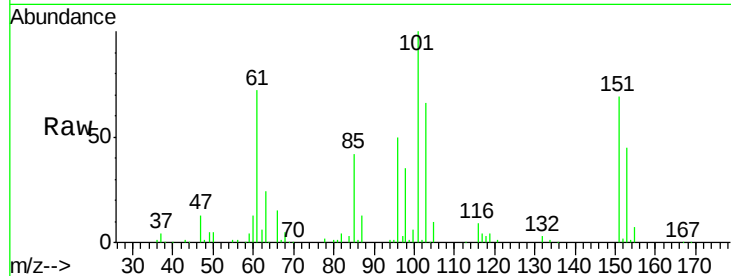
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	457449
Ion Ratio	Lower	Upper	
101	100		
85	42.4	31.0	46.6
151	69.2	55.3	82.9

Manual Integrations
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4/11/2019 11:45:45 AM



#10

Methyl Iodide

Concen: 48.217 ug/l

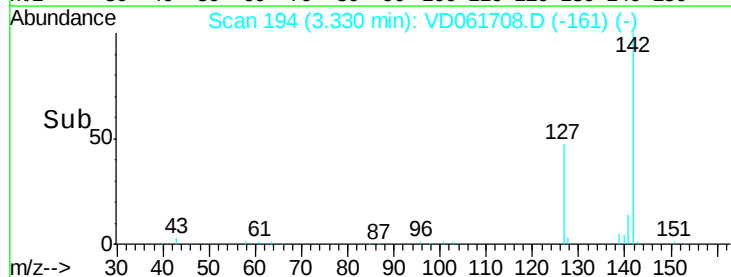
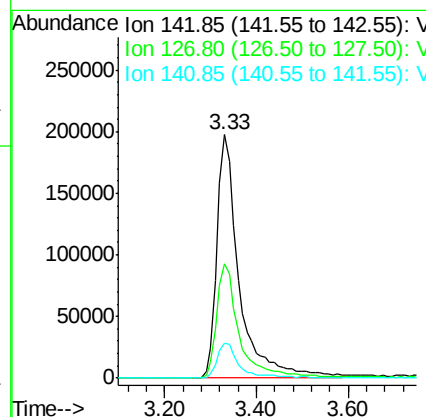
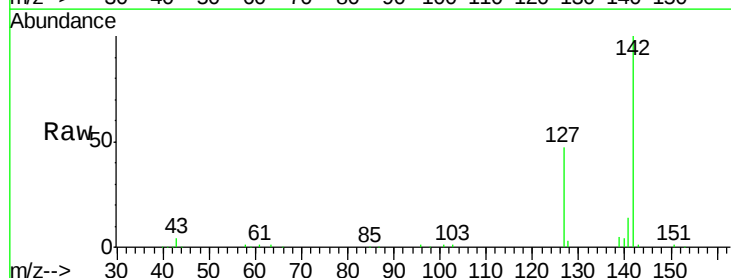
RT: 3.33 min Scan# 194

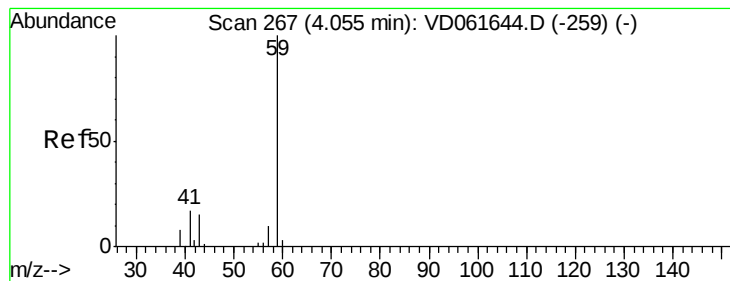
Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Tgt Ion:	142	Resp:	663297
Ion Ratio	Lower	Upper	
142	100		
127	46.8	37.2	55.8
141	14.3	10.8	16.2





#11

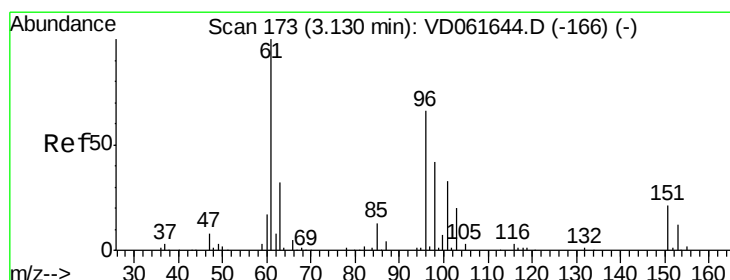
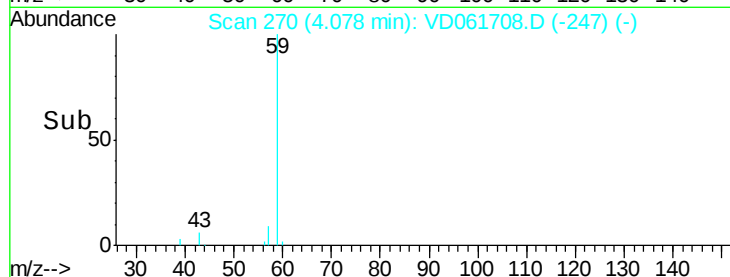
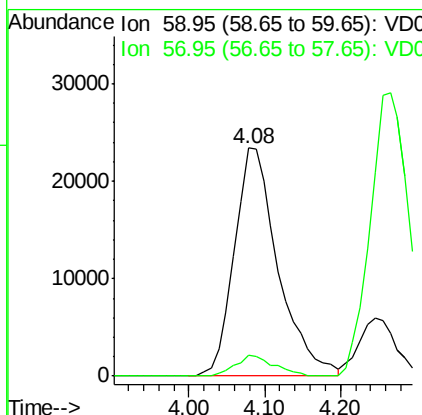
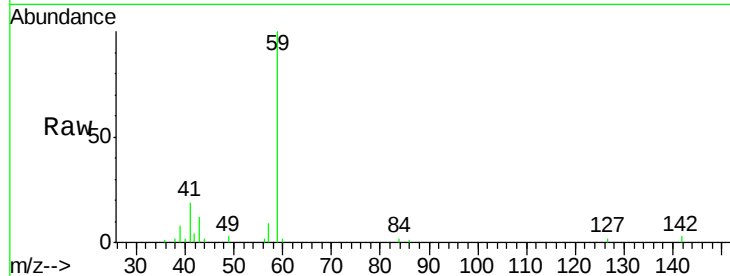
Tert butyl alcohol
Concen: 241.280 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 93774
Ion Ratio Lower Upper
59 100
57 9.1 8.4 12.6

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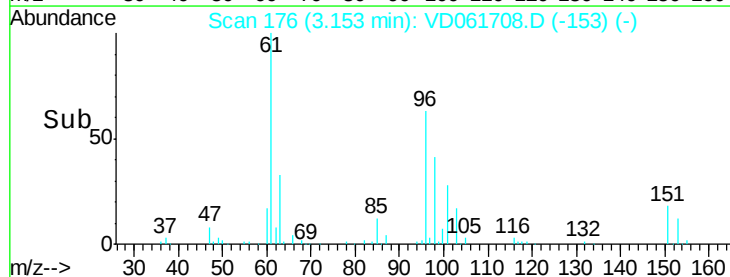
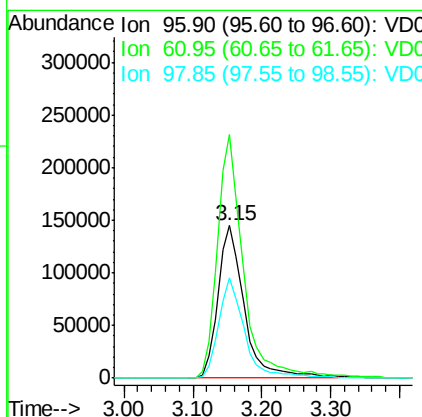
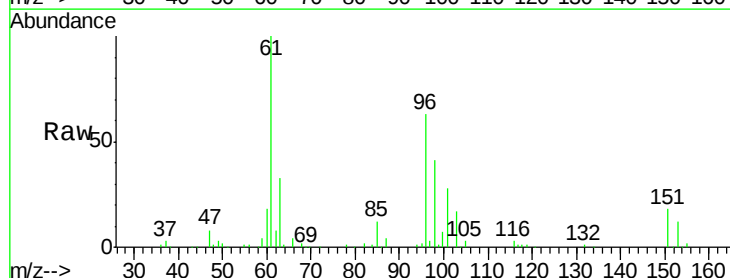
MMDadoda
4/11/2019 11:45:45 AM

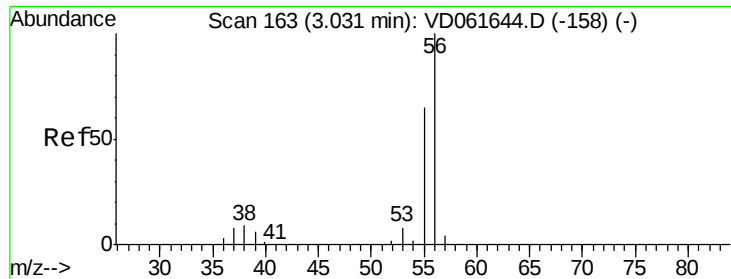


#12

1,1-Dichloroethene
Concen: 48.269 ug/l
RT: 3.15 min Scan# 176
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion: 96 Resp: 384977
Ion Ratio Lower Upper
96 100
61 159.6 121.3 181.9
98 65.9 50.6 76.0





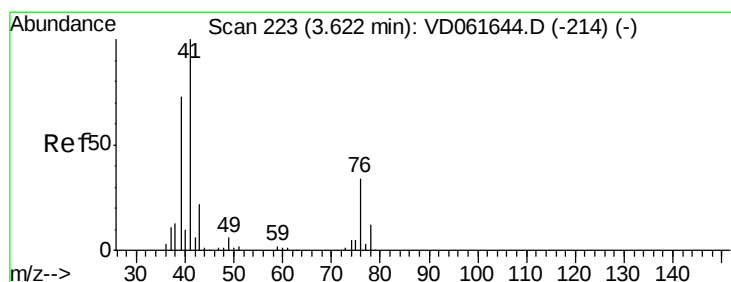
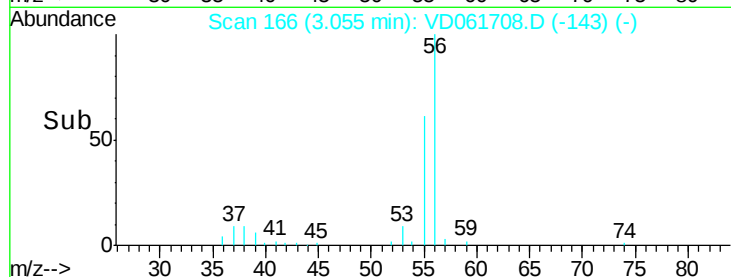
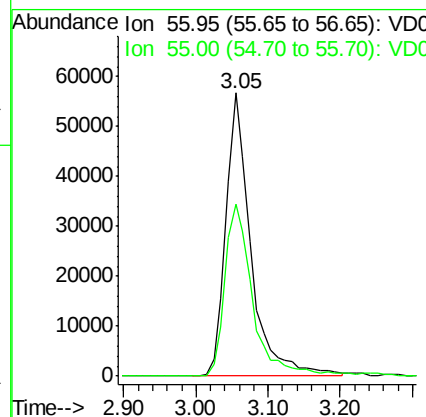
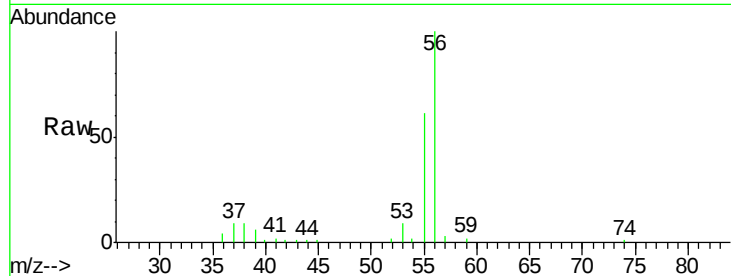
#13
Acrolein
Concen: 288.070 ug/l
RT: 3.05 min Scan# 166
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 136502
Ion Ratio Lower Upper
56 100
55 60.8 51.8 77.6

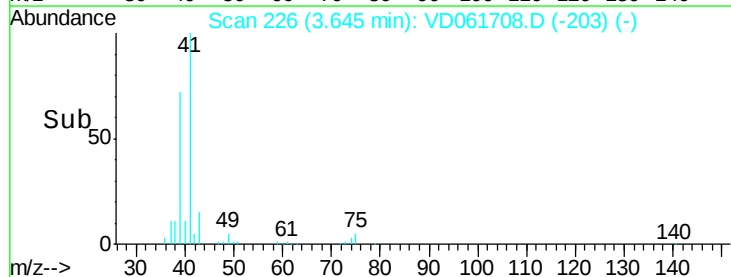
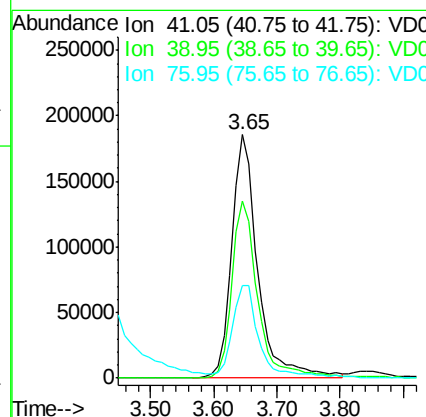
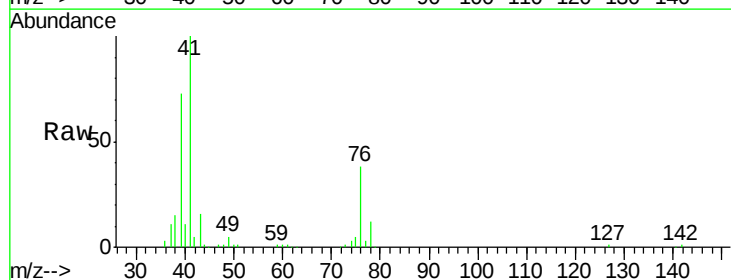
Manual Integrations
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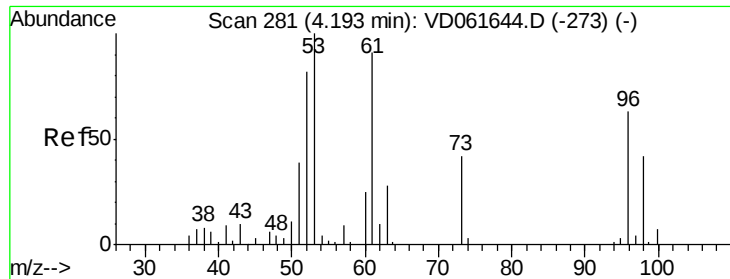
MMDadoda
4/11/2019 11:45:45 AM



#14
Allyl chloride
Concen: 48.625 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion: 41 Resp: 528946
Ion Ratio Lower Upper
41 100
39 72.5 58.2 87.4
76 38.3 29.8 44.6





#15

Acrylonitrile

Concen: 208.046 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

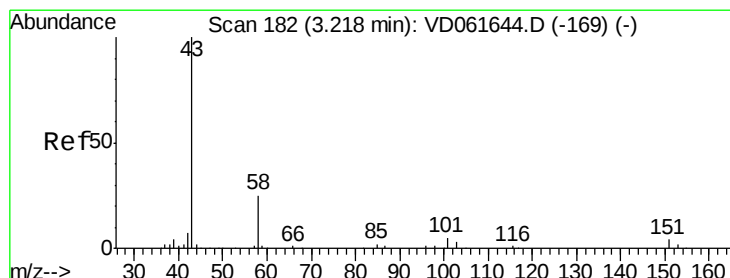
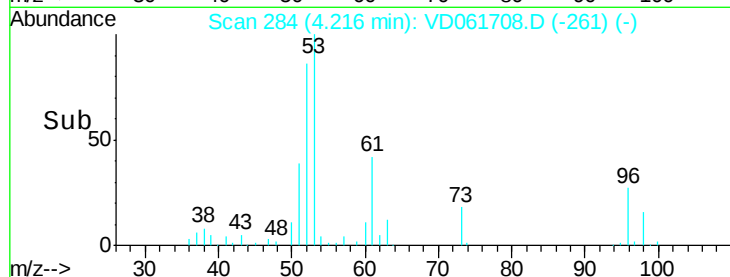
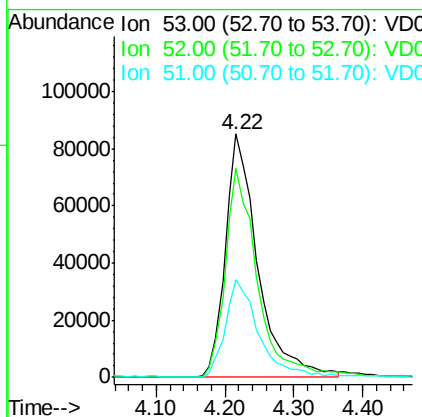
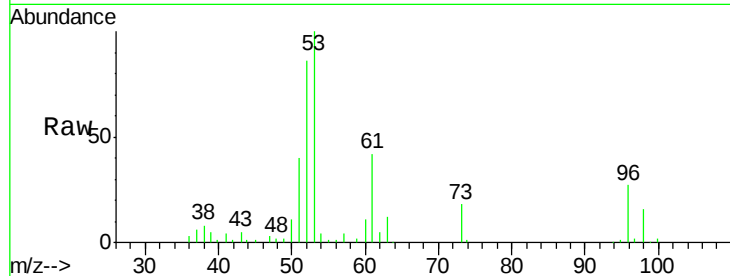
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	278339
Ion	Ratio	Lower	Upper
53	100		
52	85.8	65.9	98.9
51	40.0	31.4	47.2

Manual Integrations
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#16

Acetone

Concen: 262.049 ug/l

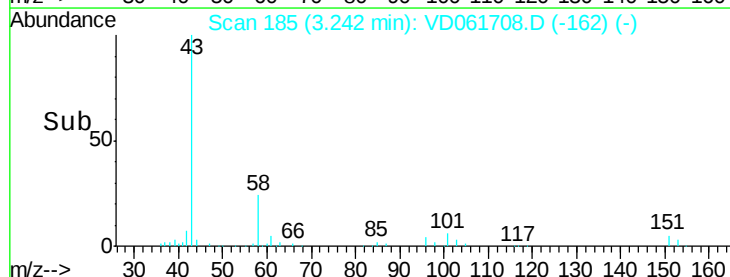
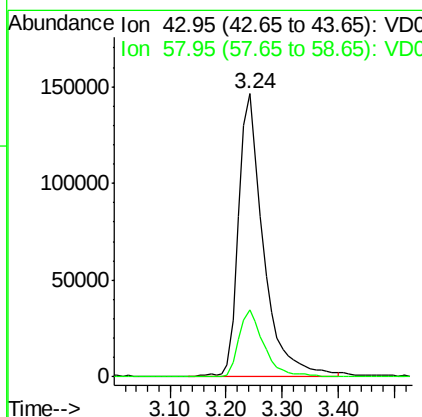
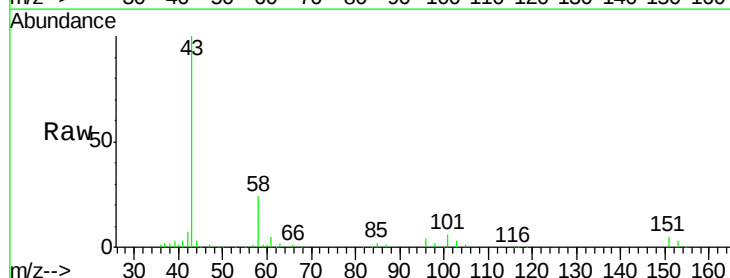
RT: 3.24 min Scan# 185

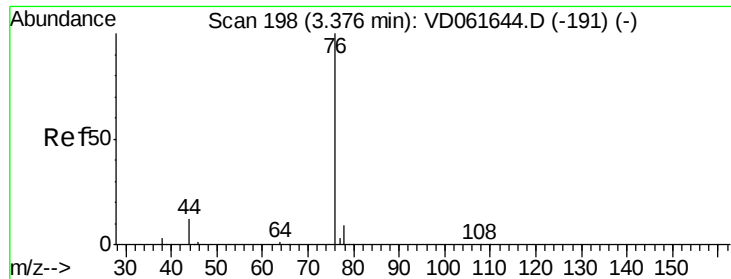
Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Tgt Ion:	43	Resp:	454278
Ion	Ratio	Lower	Upper
43	100		
58	23.8	19.7	29.5





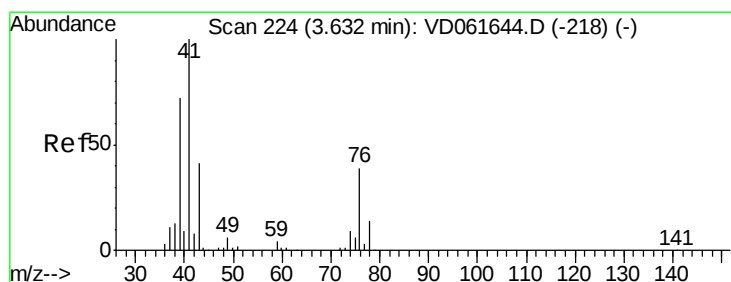
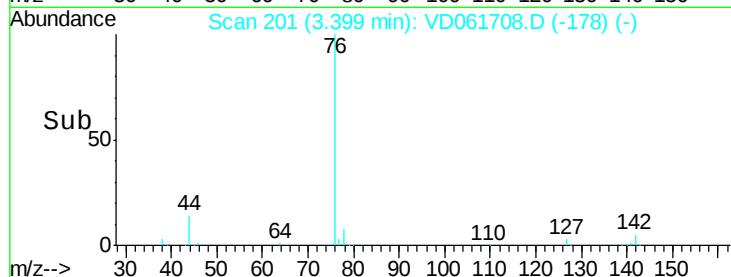
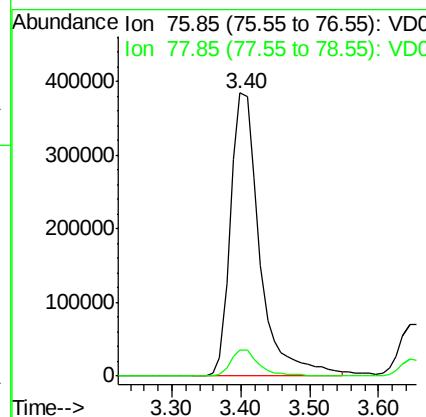
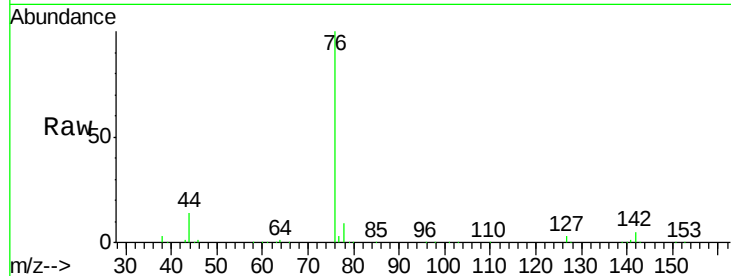
#17
Carbon Disulfide
Concen: 43.815 ug/l
RT: 3.40 min Scan# 201
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 1135491
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2

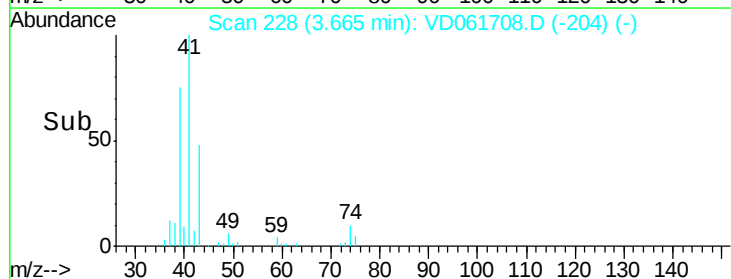
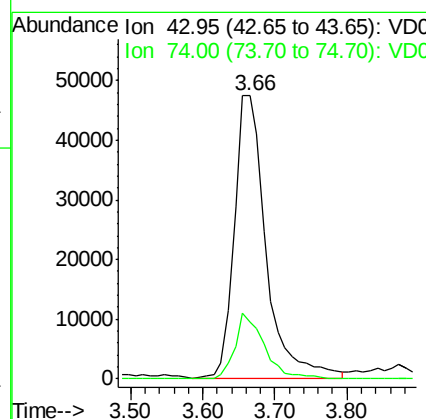
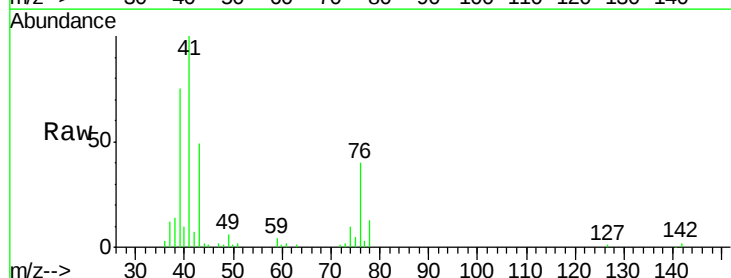
Manual Integrations
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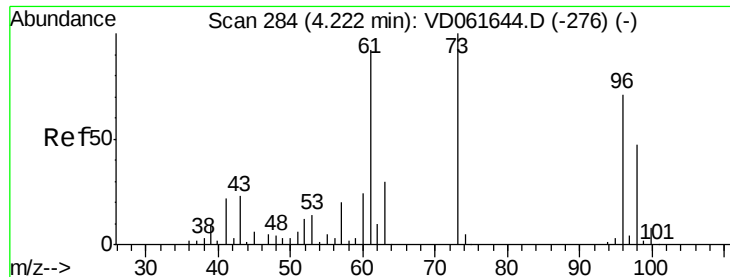
MMDadoda
4/11/2019 11:45:45 AM



#18
Methyl Acetate
Concen: 44.981 ug/l
RT: 3.66 min Scan# 228
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion: 43 Resp: 146709
Ion Ratio Lower Upper
43 100
74 19.9 18.2 27.2





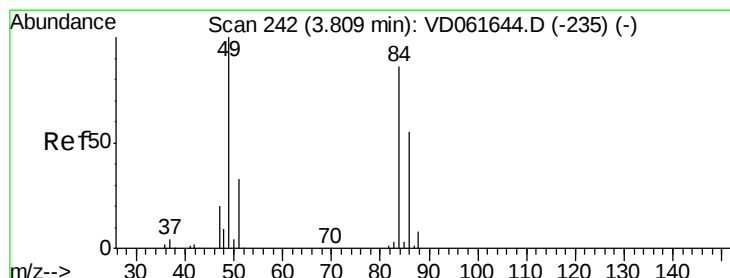
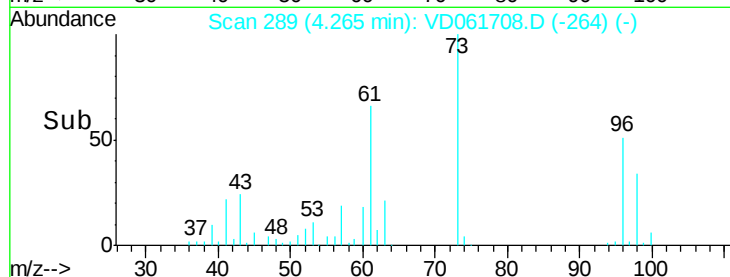
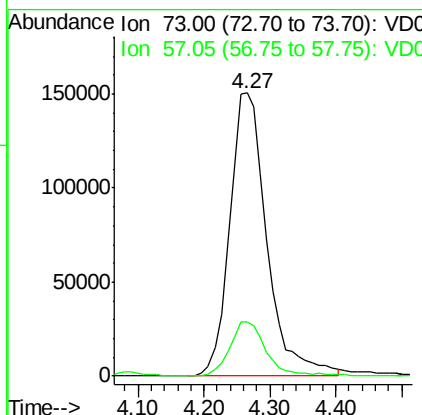
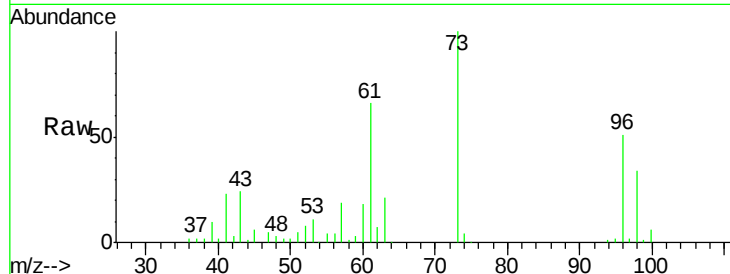
#19
Methyl tert-butyl Ether
Concen: 43.094 ug/l
RT: 4.27 min Scan# 289
Delta R.T. 0.04 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 595120
Ion Ratio Lower Upper
73 100
57 19.3 16.0 24.0

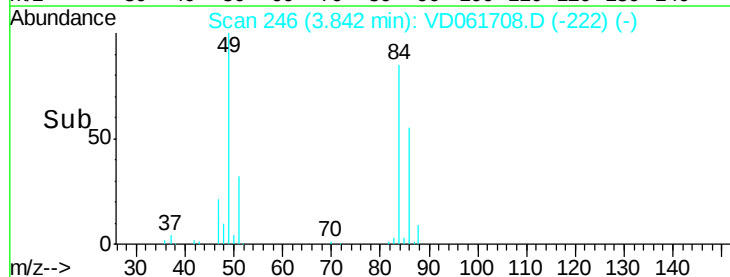
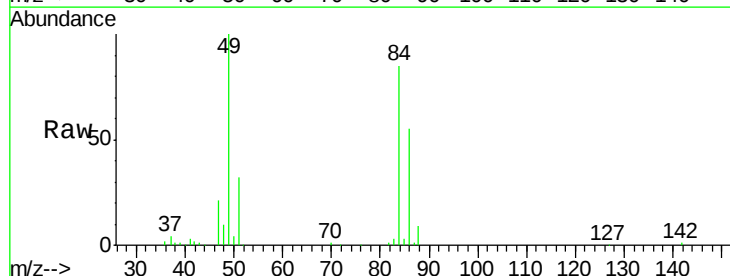
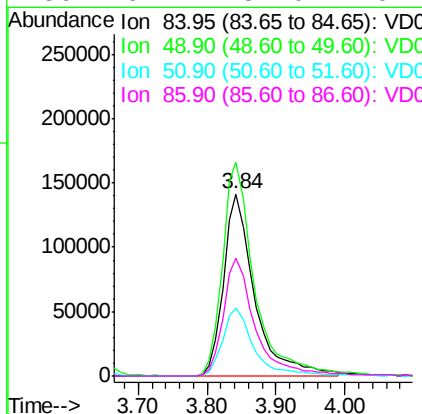
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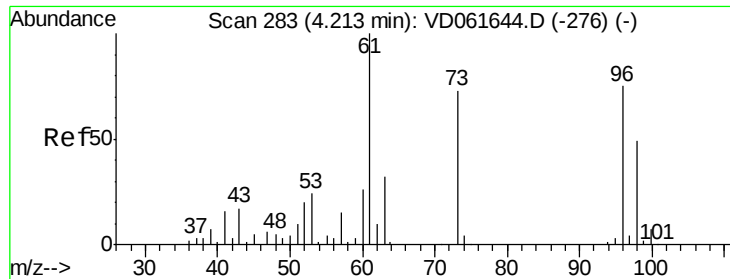
MMDadoda
4/11/2019 11:45:45 AM



#20
Methylene Chloride
Concen: 44.986 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion: 84 Resp: 442536
Ion Ratio Lower Upper
84 100
49 117.2 93.0 139.4
51 37.2 30.4 45.6
86 64.7 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 42.717 ug/l

RT: 4.25 min Scan# 287

Delta R.T. 0.03 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

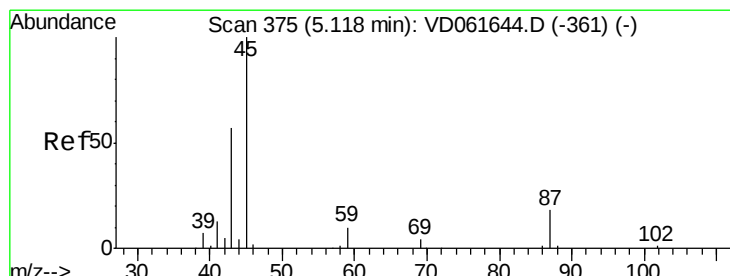
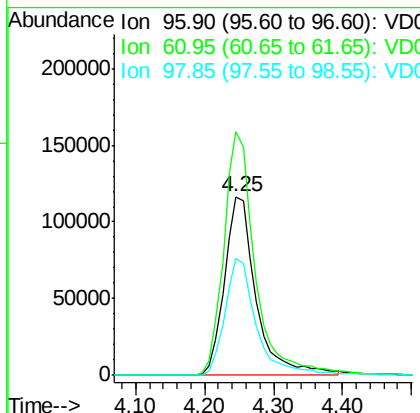
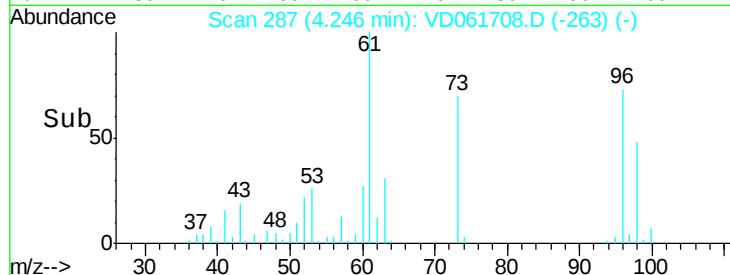
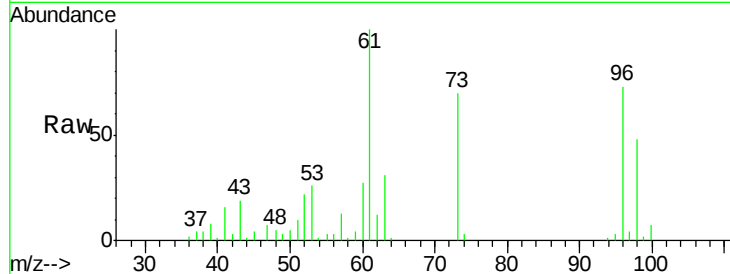
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	370034
Ion	Ratio	Lower	Upper
96	100		
61	136.4	106.8	160.2
98	65.3	52.2	78.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.868 ug/l

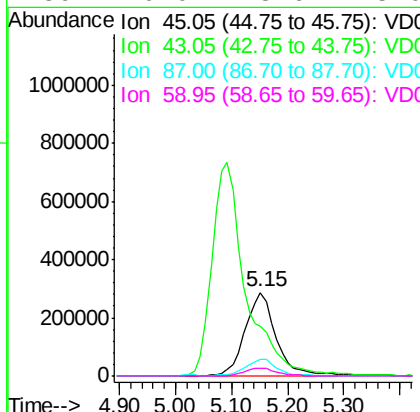
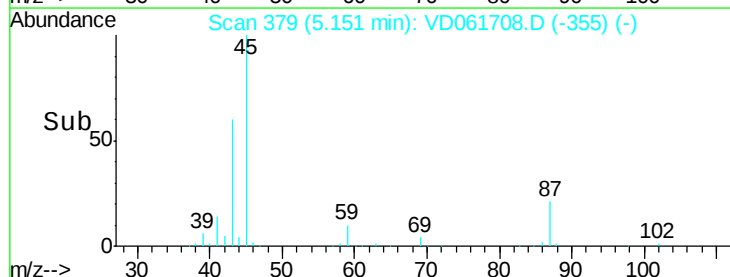
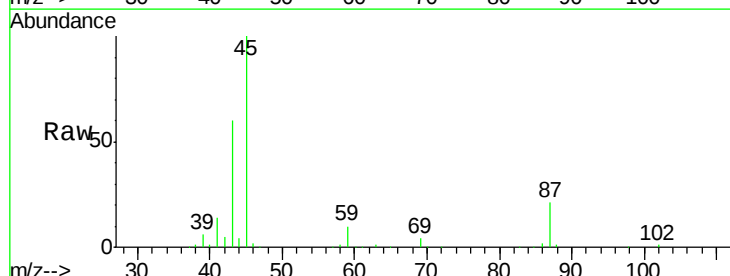
RT: 5.15 min Scan# 379

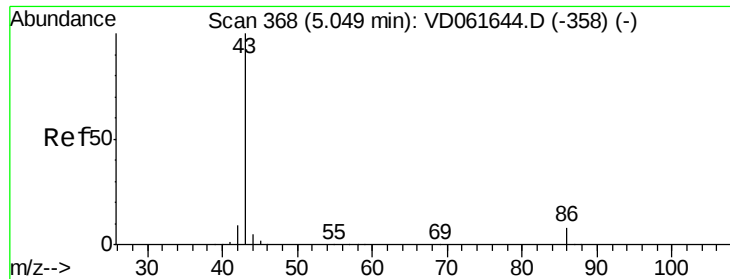
Delta R.T. 0.03 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Tgt Ion:	45	Resp:	1091741
Ion	Ratio	Lower	Upper
45	100		
43	59.6	46.6	70.0
87	20.6	15.6	23.4
59	10.0	8.6	13.0





#23

Vinyl Acetate

Concen: 240.916 ug/l

RT: 5.09 min Scan# 373

Delta R.T. 0.04 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 3031831

Ion Ratio Lower Upper

43 100

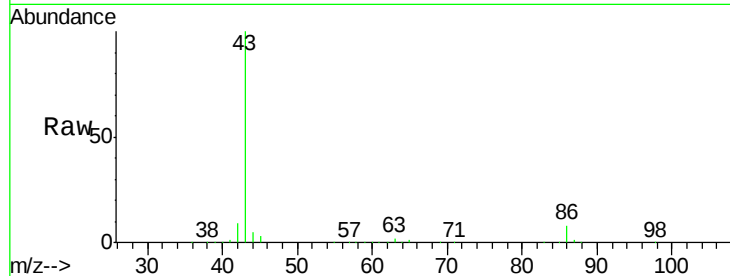
86 8.0 6.4 9.6

Manual Integrations

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4/11/2019 11:45:45 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

800000

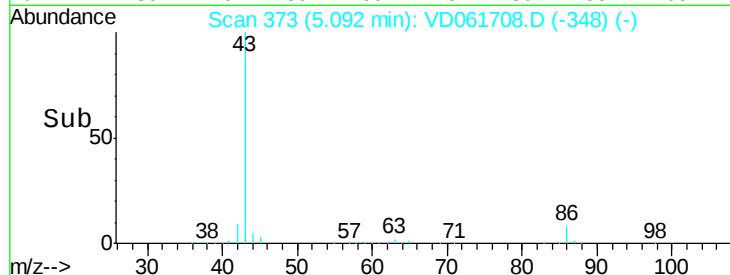
600000

400000

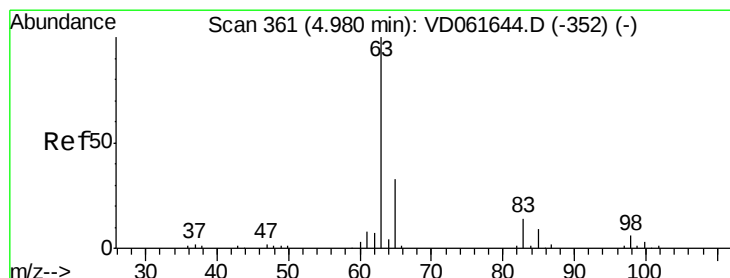
200000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 49.120 ug/l

RT: 5.02 min Scan# 366

Delta R.T. 0.04 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

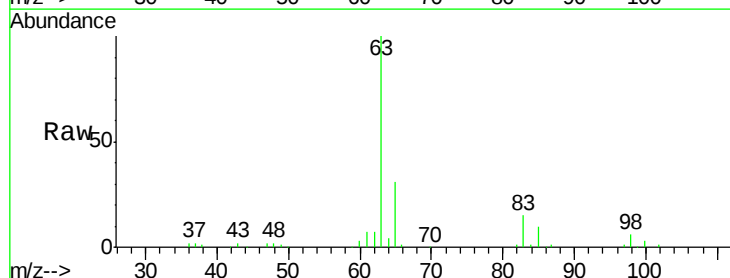
Tgt Ion: 63 Resp: 686505

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

100 3.3 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

250000

200000

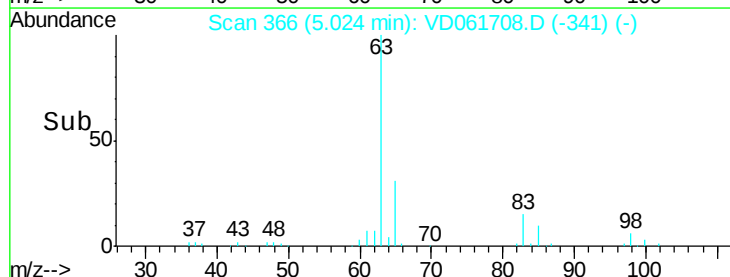
150000

100000

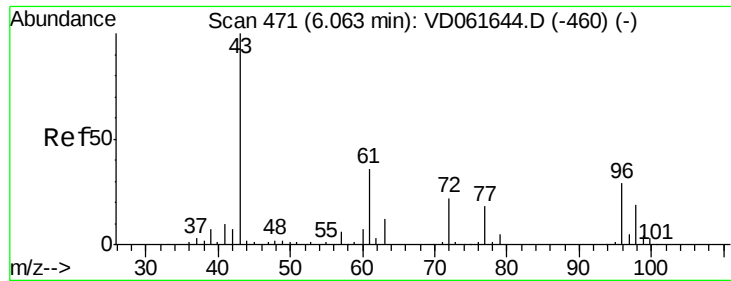
50000

0

Time-->



Time-->



#25

2-Butanone

Concen: 235.749 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.03 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 471144

Ion Ratio Lower Upper

43 100

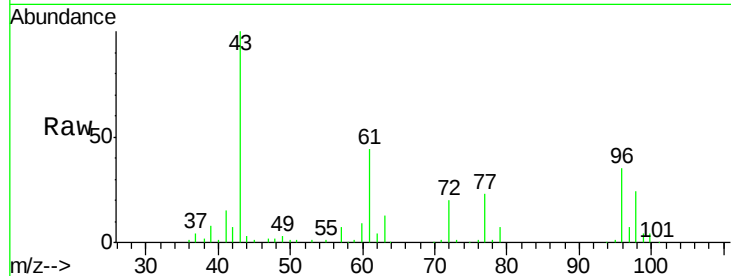
72 19.9 17.4 26.2

Manual Integrations

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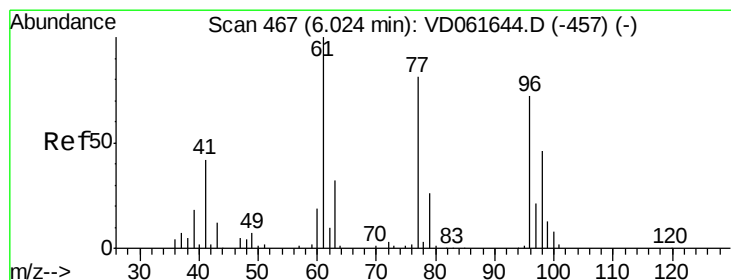
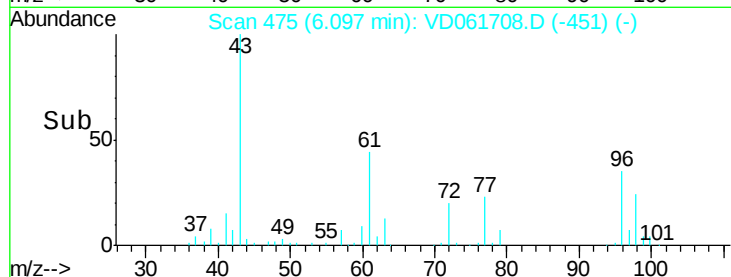
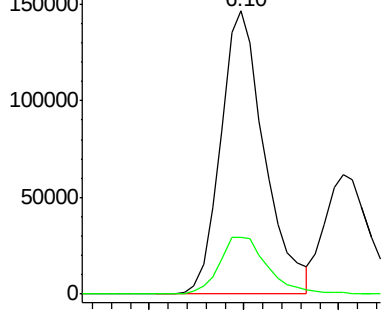
MMDadoda

4/11/2019 11:45:45 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.370 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.03 min

Lab File: VD061708.D

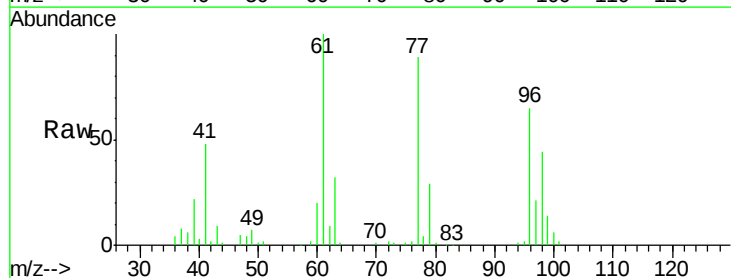
Acq: 10 Apr 2019 12:38

Tgt Ion: 77 Resp: 561841

Ion Ratio Lower Upper

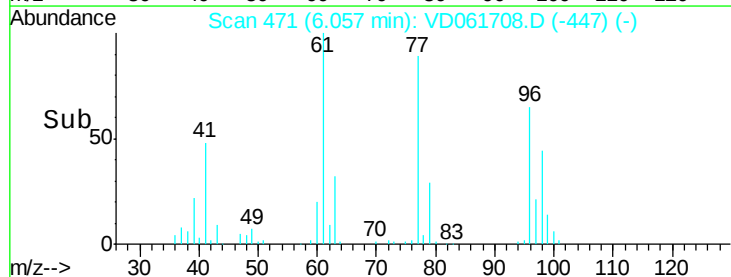
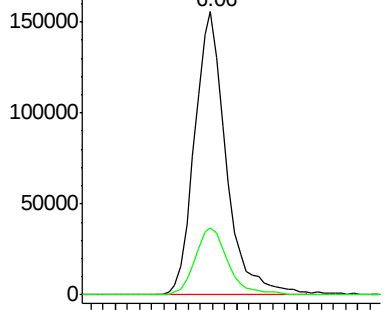
77 100

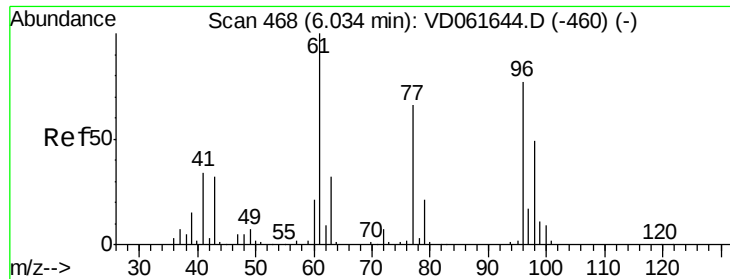
97 23.5 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





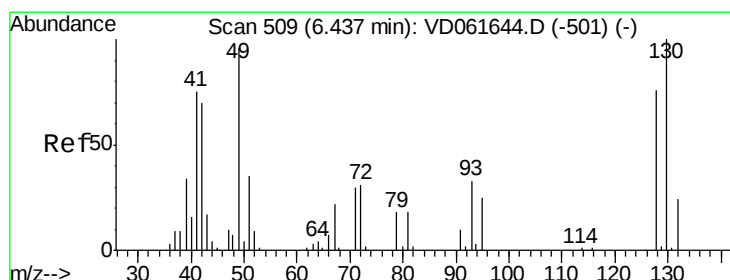
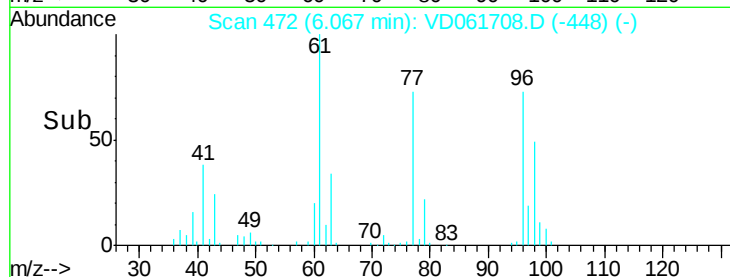
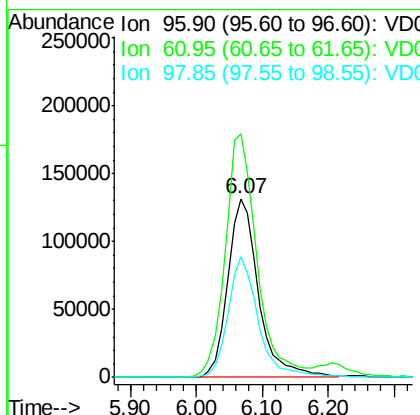
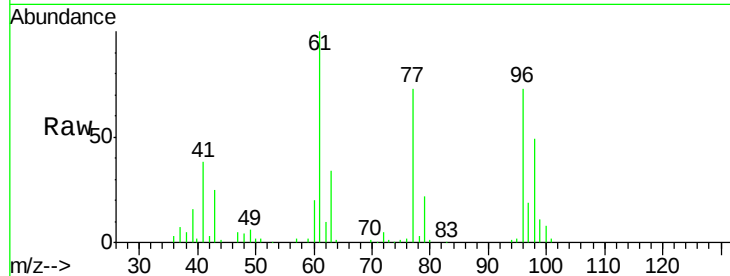
#27
 cis-1,2-Dichloroethene
 Concen: 46.664 ug/l
 RT: 6.07 min Scan# 472
 Delta R.T. 0.03 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	431237		
61	136.1	0.0	259.8	
98	67.2	0.0	127.6	

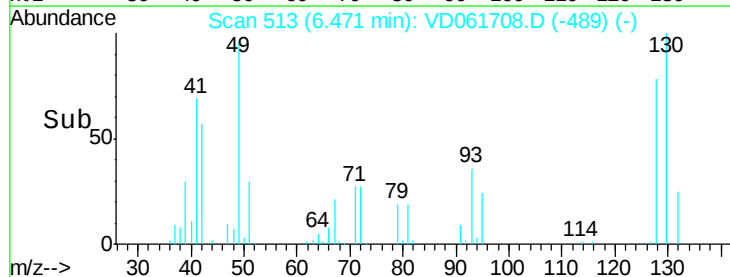
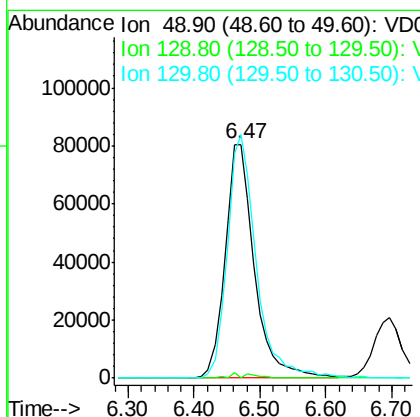
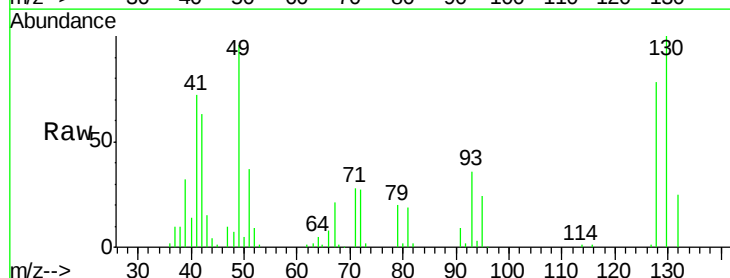
Manual Integrations
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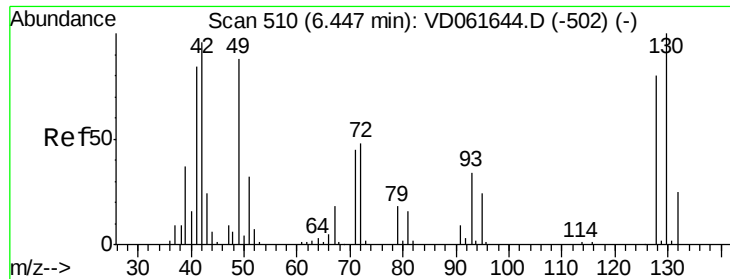
MMDadoda
 4/11/2019 11:45:45 AM



#28
 Bromochloromethane
 Concen: 48.525 ug/l
 RT: 6.47 min Scan# 513
 Delta R.T. 0.03 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	250177		
129	0.0	0.0	4.0	
130	104.2	83.3	124.9	





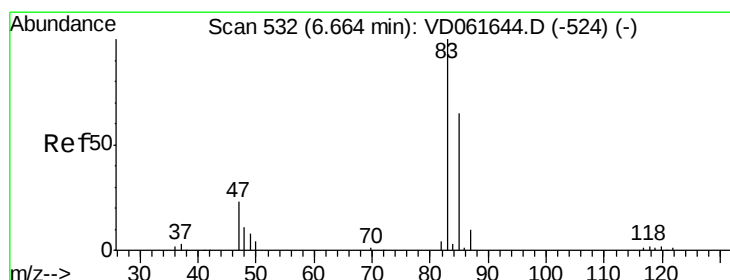
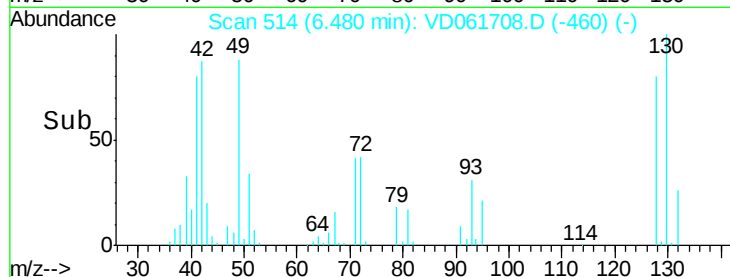
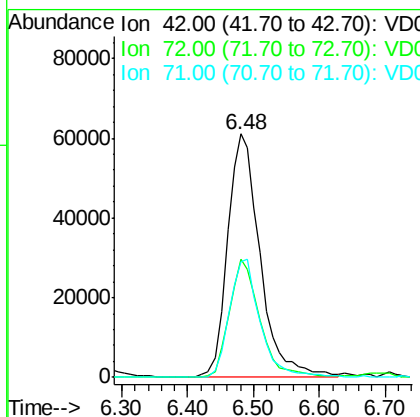
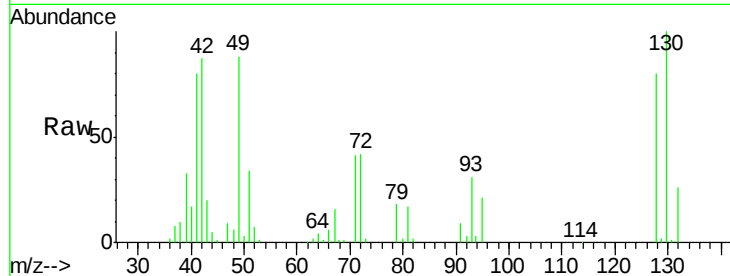
#29
Tetrahydrofuran
Concen: 218.577 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.9	37.0	55.6
71	46.0	36.5	54.7

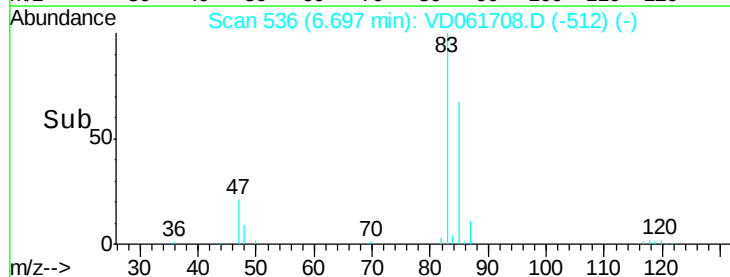
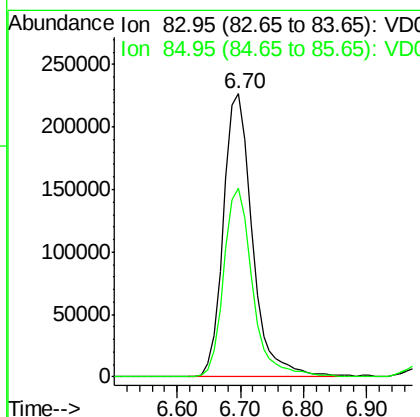
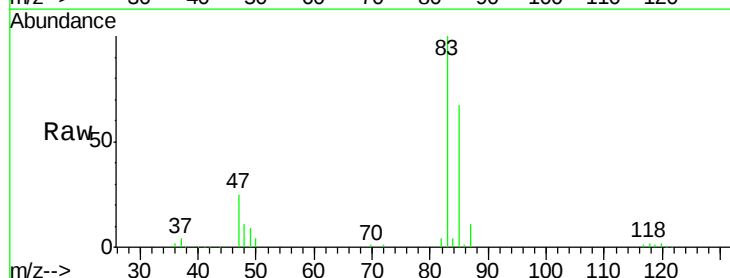
Manual Integrations
APPROVED

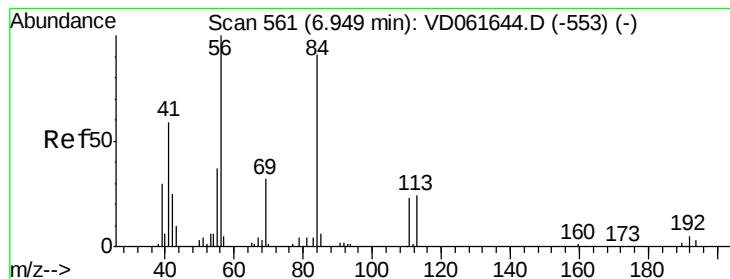
MMDadoda
4/11/2019 11:45:45 AM



#30
Chloroform
Concen: 49.359 ug/l
RT: 6.70 min Scan# 536
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.9	77.9





#31

Cyclohexane

Concen: 44.162 ug/l

RT: 6.98 min Scan# 565

Delta R.T. 0.03 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

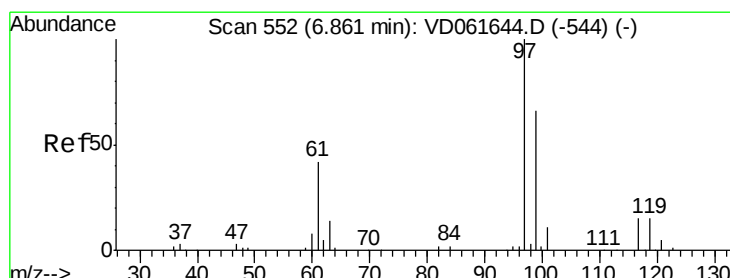
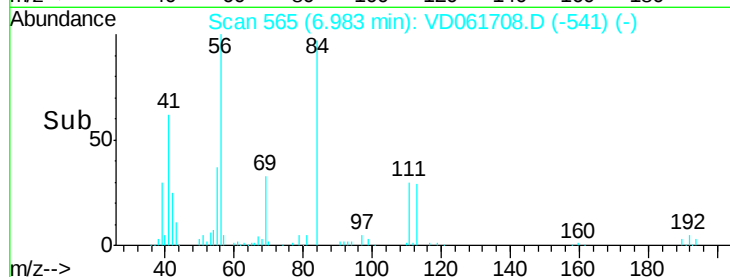
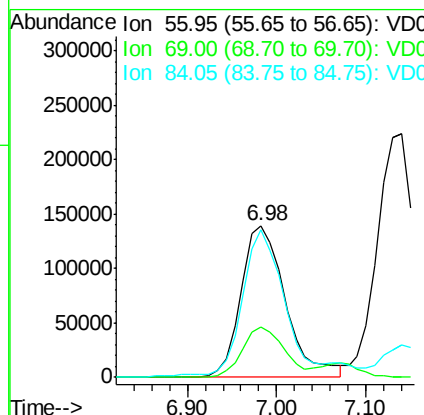
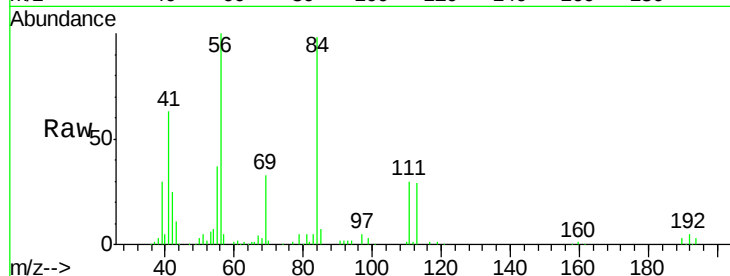
ClientSampleId :

VSTDCCC050

Tgt Ion:	56	Resp:	482179
Ion Ratio	Lower	Upper	
56	100		
69	32.9	25.8	38.6
84	97.6	74.2	111.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.289 ug/l

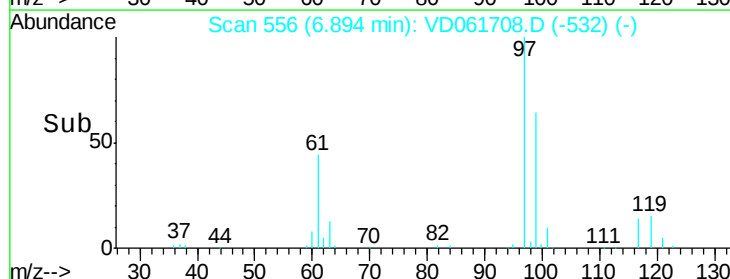
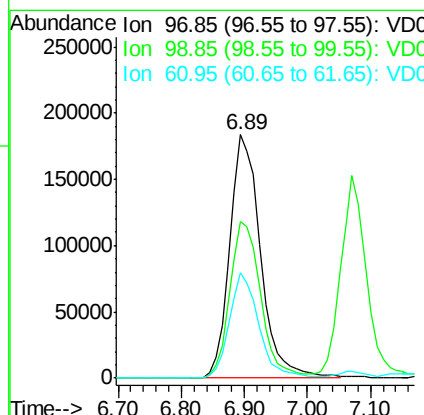
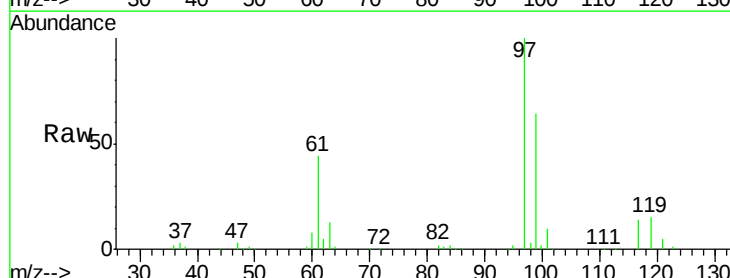
RT: 6.89 min Scan# 556

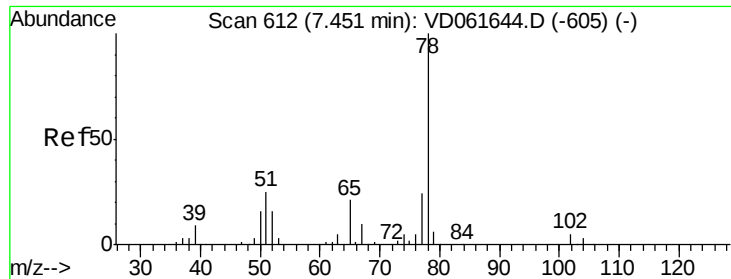
Delta R.T. 0.03 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Tgt Ion:	97	Resp:	619563
Ion Ratio	Lower	Upper	
97	100		
99	64.3	52.5	78.7
61	43.5	33.4	50.0





#33

1,2-Dichloroethane-d4

Concen: 47.244 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 273973

Ion Ratio Lower Upper

65 100

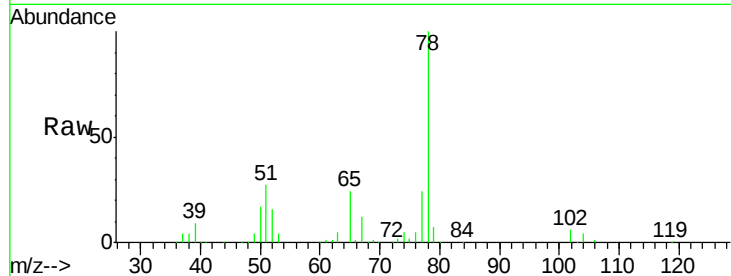
67 50.0 0.0 99.4

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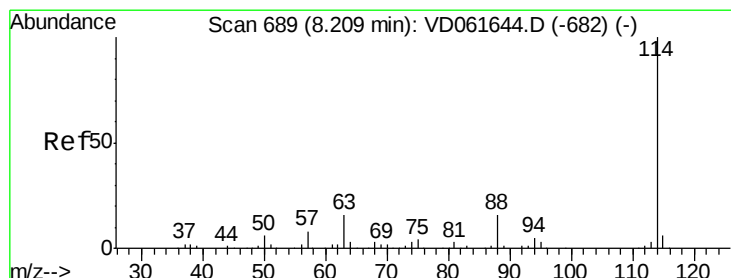
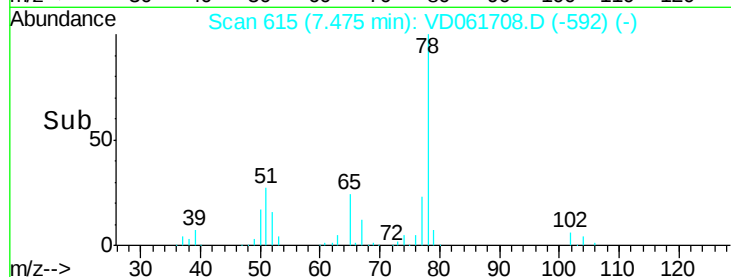
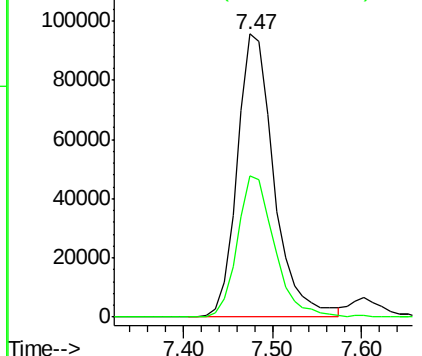
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.03 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

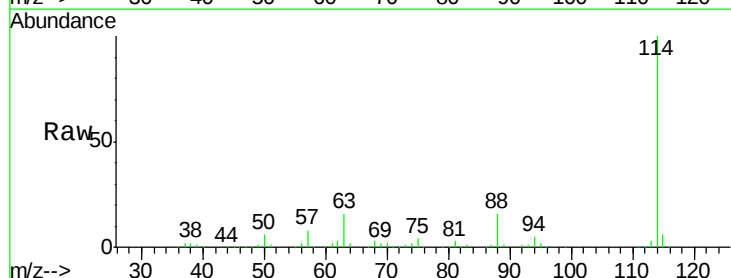
Tgt Ion: 114 Resp: 1174332

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.2

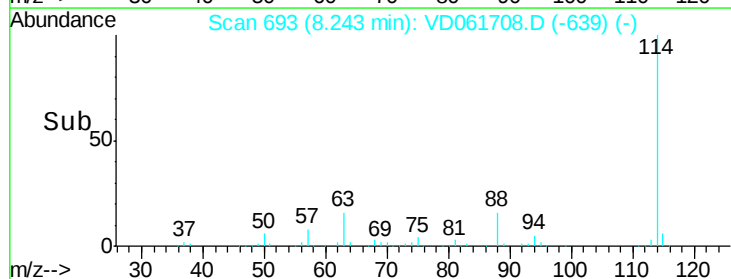
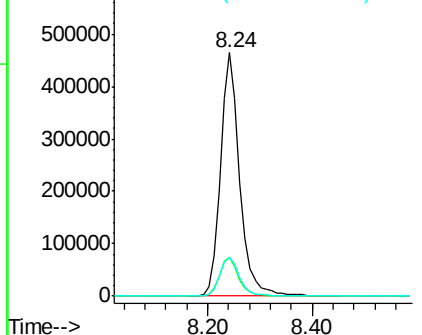
88 16.0 0.0 31.8

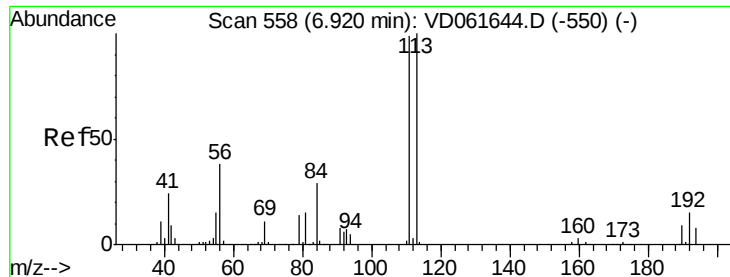


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





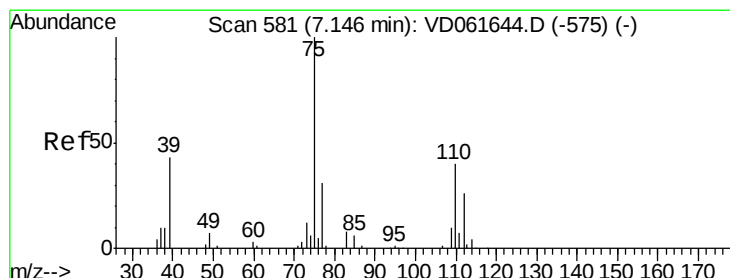
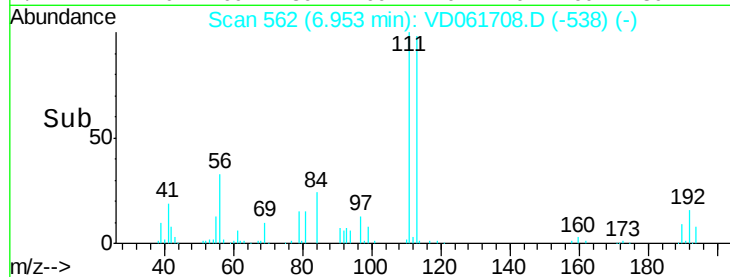
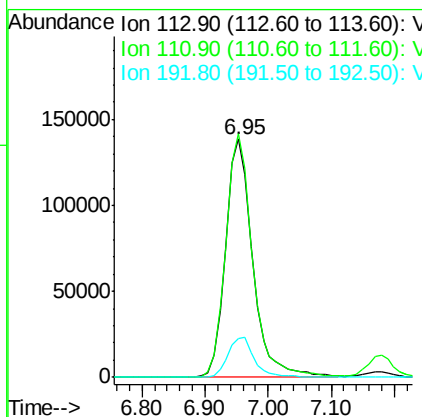
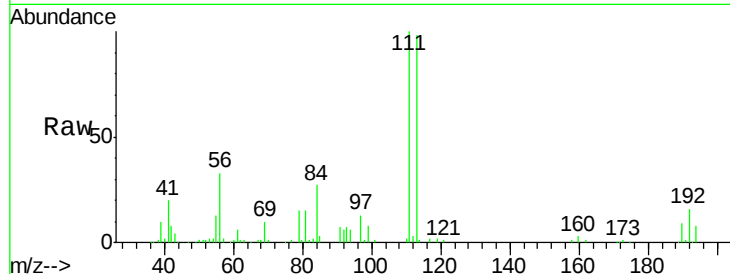
#35
 Dibromofluoromethane
 Concen: 50.682 ug/l
 RT: 6.95 min Scan# 562
 Delta R.T. 0.03 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	412323		
111	102.3	79.3	118.9	
192	16.2	12.3	18.5	

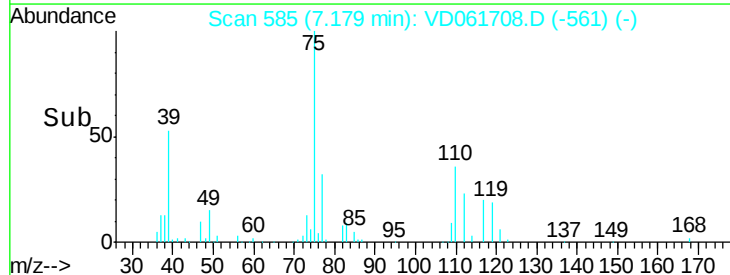
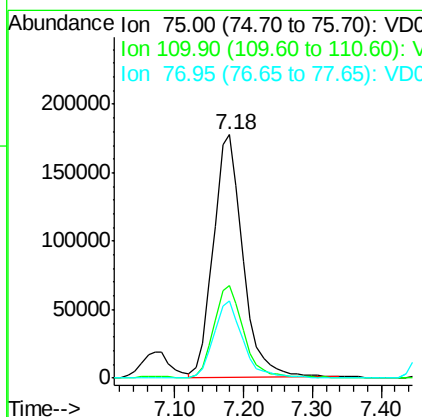
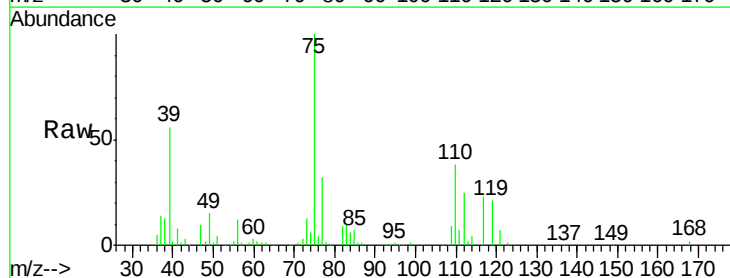
Manual Integrations
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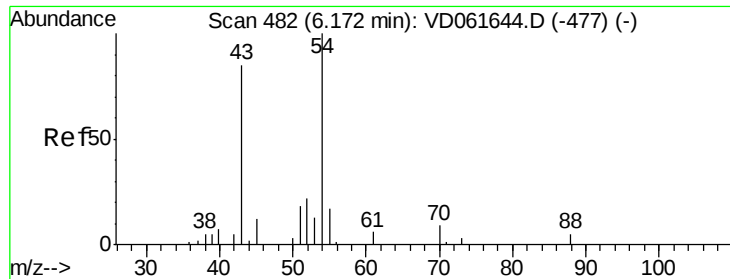
MMDadoda
 4/11/2019 11:45:45 AM



#36
 1,1-Dichloropropene
 Concen: 51.370 ug/l
 RT: 7.18 min Scan# 585
 Delta R.T. 0.03 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	527956		
110	37.9	19.7	59.0	
77	31.7	24.8	37.2	





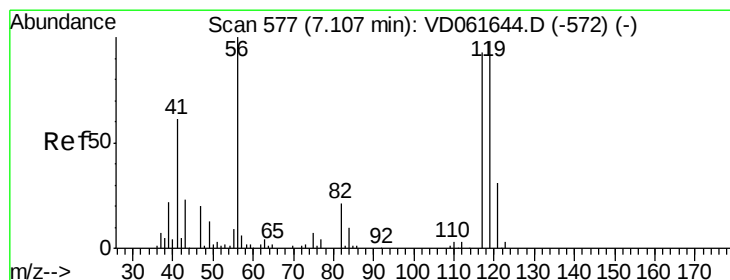
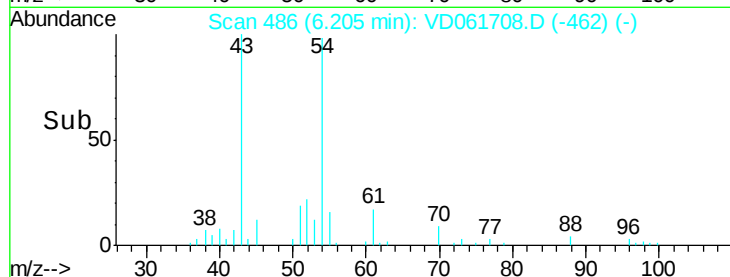
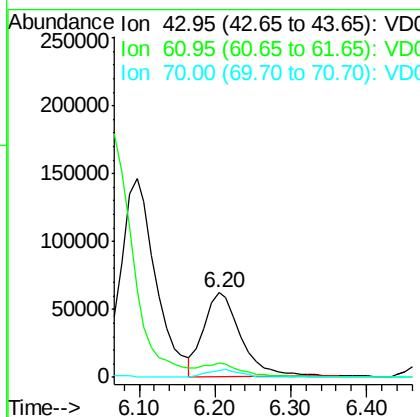
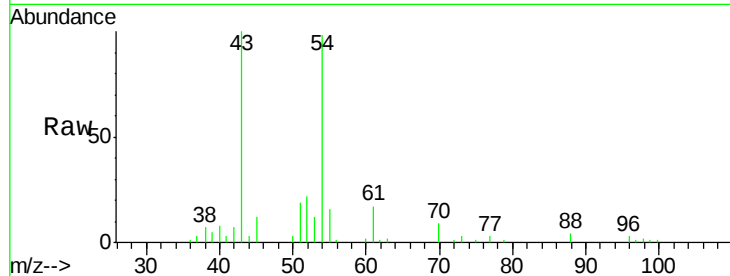
#37
Ethyl Acetate
Concen: 49.692 ug/l
RT: 6.20 min Scan# 486
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.0	11.9	17.9
70	8.5	6.9	10.3

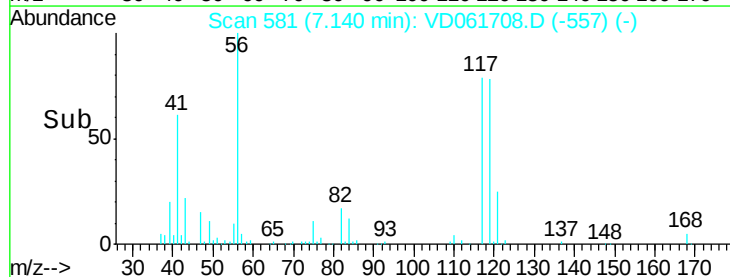
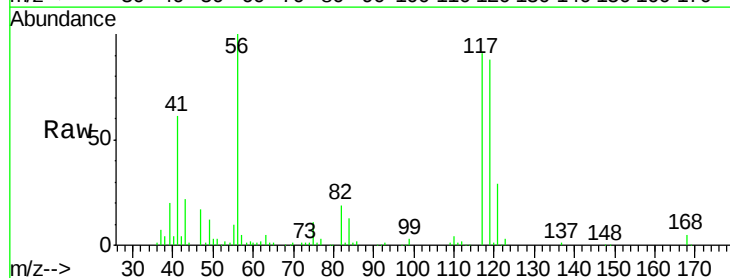
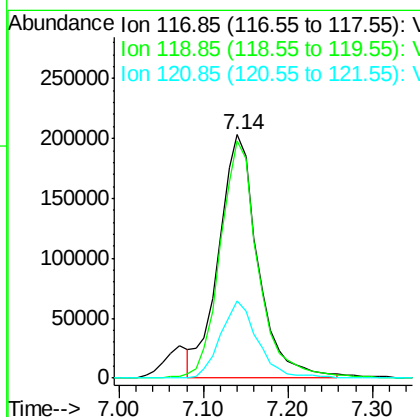
Manual Integrations
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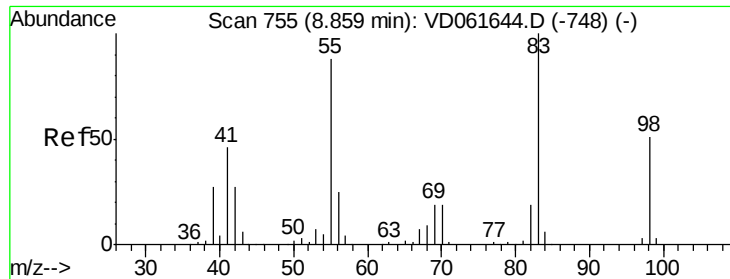
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#38
Carbon Tetrachloride
Concen: 54.407 ug/l m
RT: 7.14 min Scan# 581
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.9	116.9
121	31.5	24.7	37.1





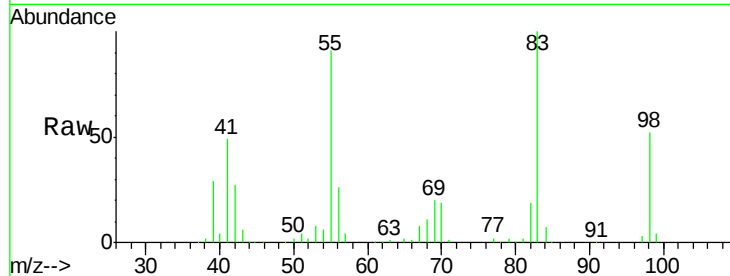
#39
Methylcyclohexane
Concen: 50.478 ug/l
RT: 8.88 min Scan# 758
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

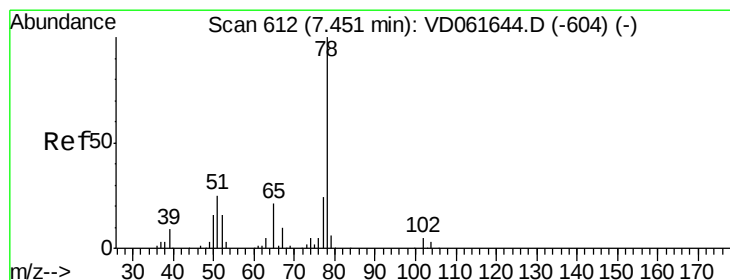
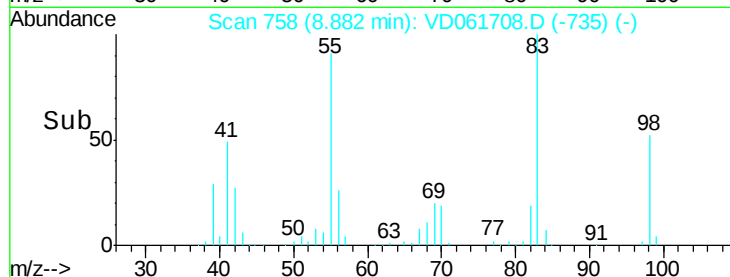
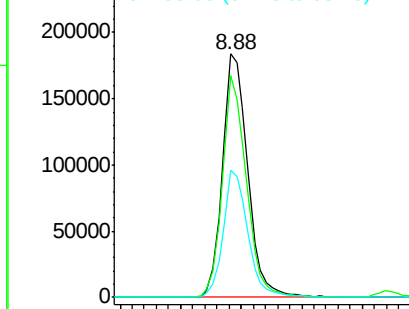
Tgt Ion	Ratio	Lower	Upper
83	100		
55	91.1	70.3	105.5
98	52.0	41.0	61.6

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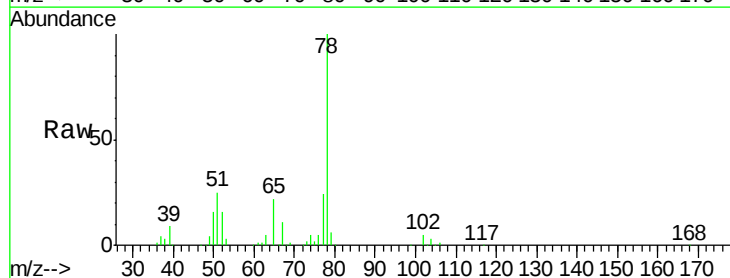


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

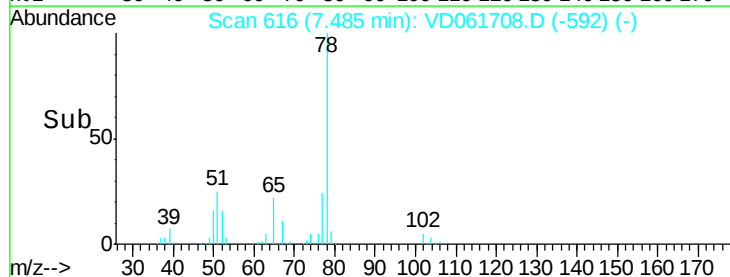
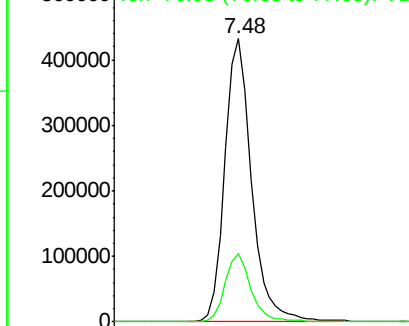


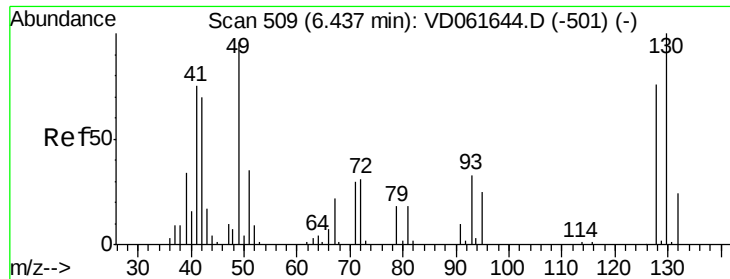
#40
Benzene
Concen: 51.392 ug/l
RT: 7.48 min Scan# 616
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.5	29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





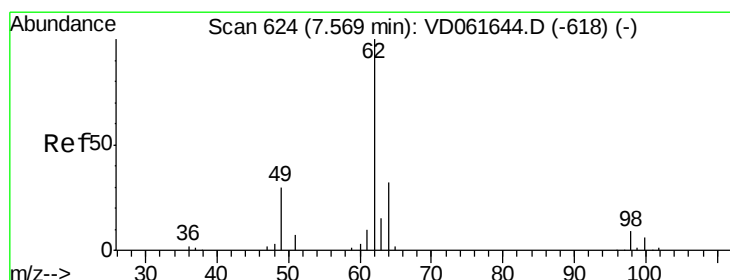
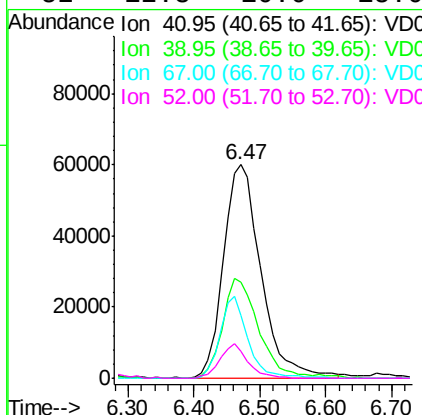
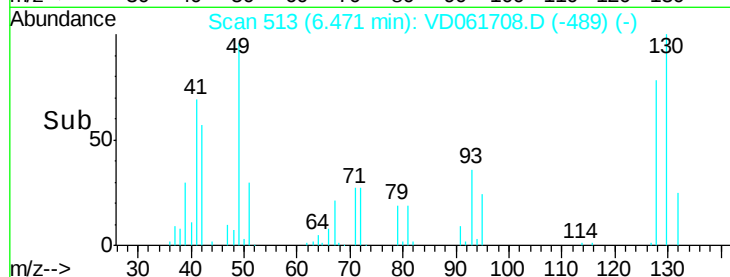
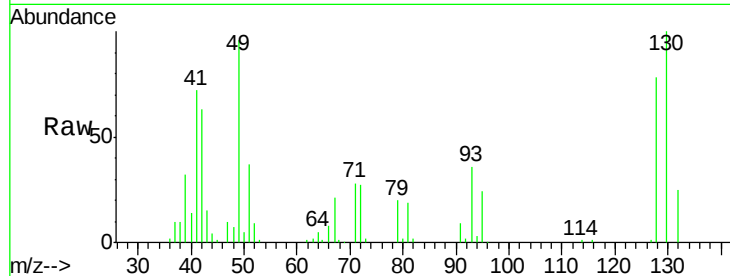
#41
Methacrylonitrile
Concen: 48.972 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	44.9	36.2	54.2
67	29.4	23.2	34.8
52	12.8	10.0	15.0

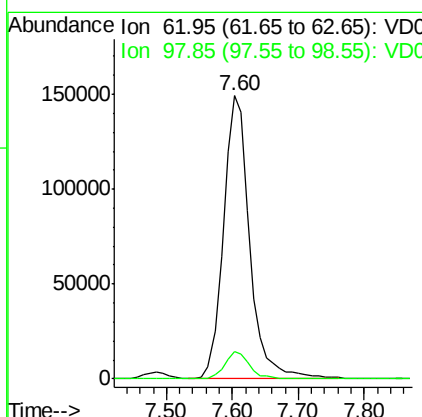
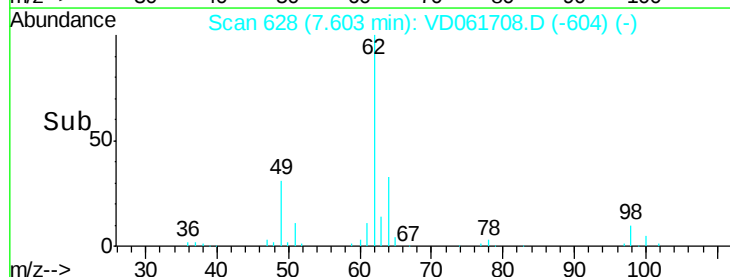
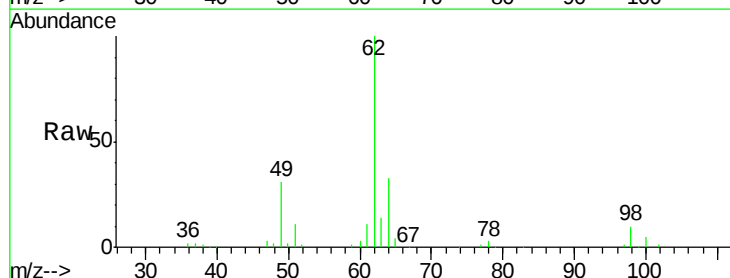
Manual Integrations
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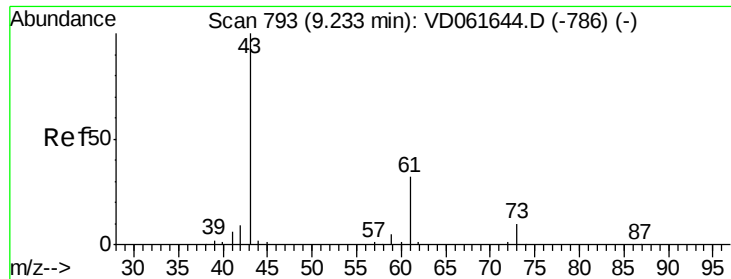
MMDadoda
4/11/2019 11:45:45 AM



#42
1,2-Dichloroethane
Concen: 52.763 ug/l
RT: 7.60 min Scan# 628
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	17.8





#43

Isopropyl Acetate

Concen: 51.962 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

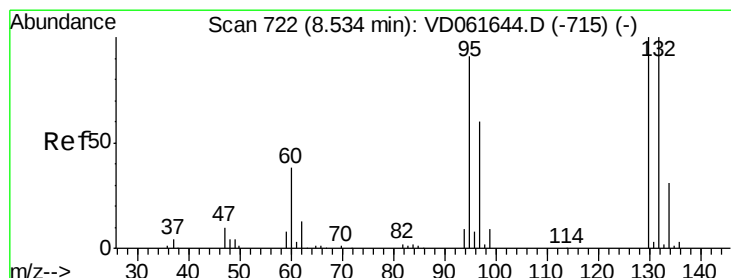
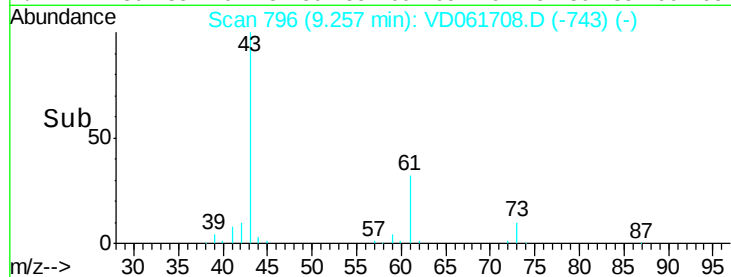
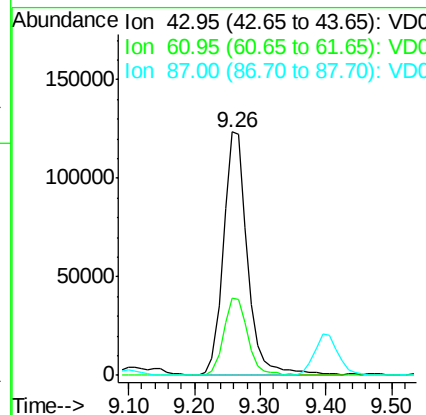
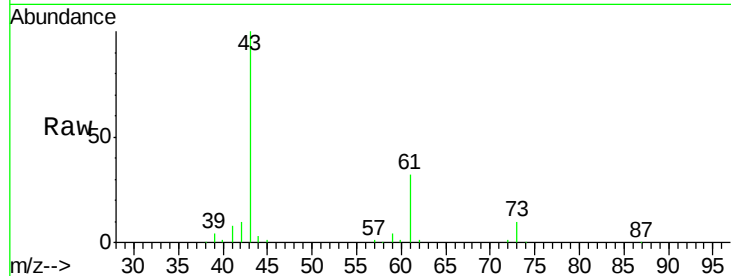
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	315688
Ion Ratio	Lower	Upper	
43	100		
61	31.6	25.9	38.9
87	0.4	0.2	0.4

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#44

Trichloroethene

Concen: 52.008 ug/l

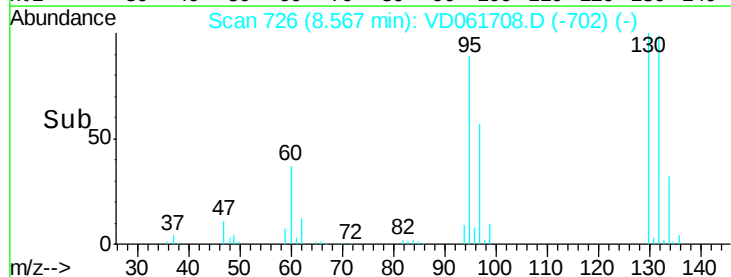
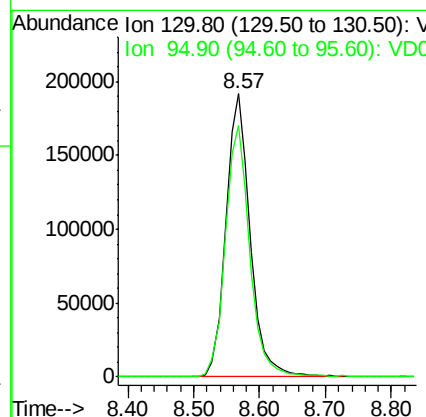
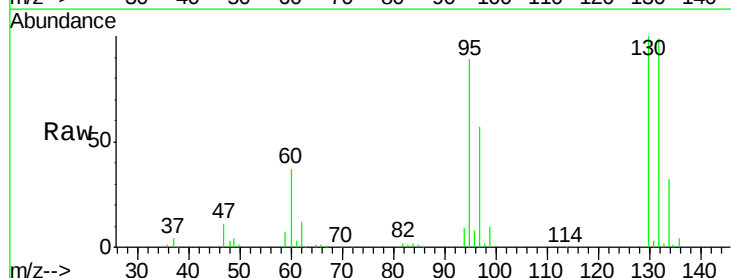
RT: 8.57 min Scan# 726

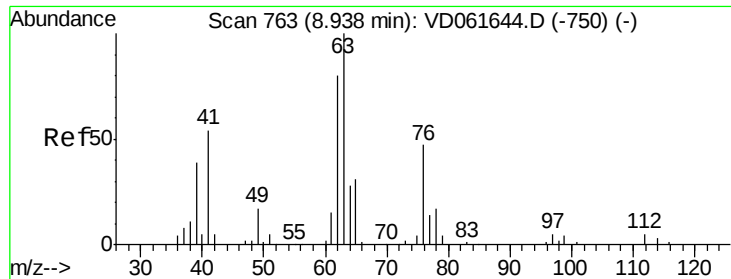
Delta R.T. 0.03 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Tgt Ion:	130	Resp:	494355
Ion Ratio	Lower	Upper	
130	100		
95	88.9	0.0	181.8





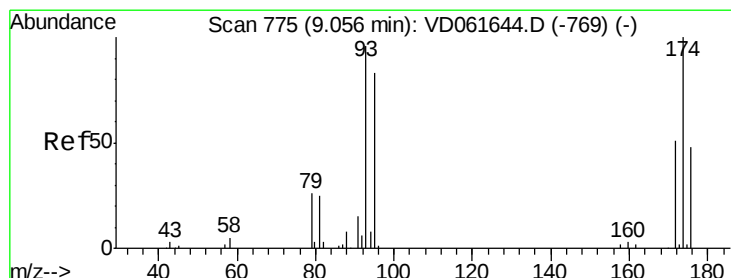
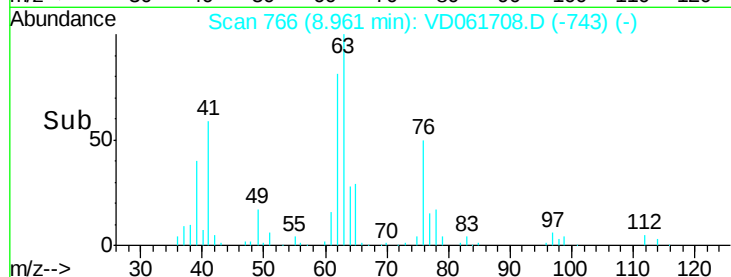
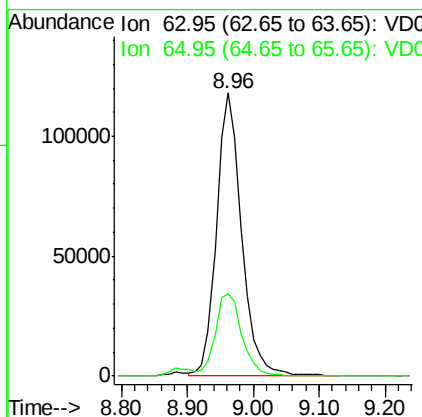
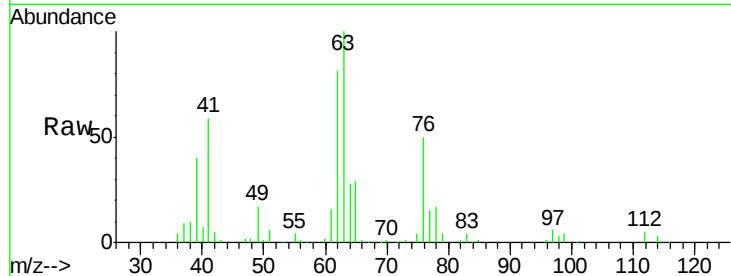
#45
 1,2-Dichloropropane
 Concen: 50.800 ug/l
 RT: 8.96 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 312363
 Ion Ratio Lower Upper
 63 100
 65 29.2 24.5 36.7

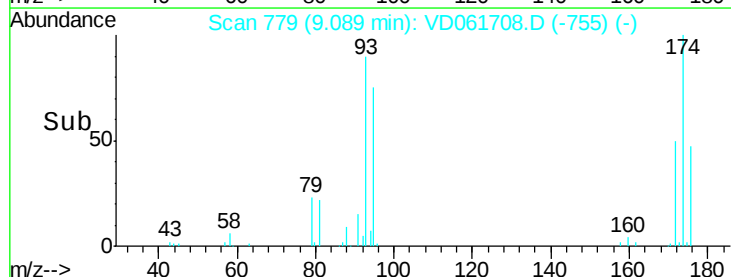
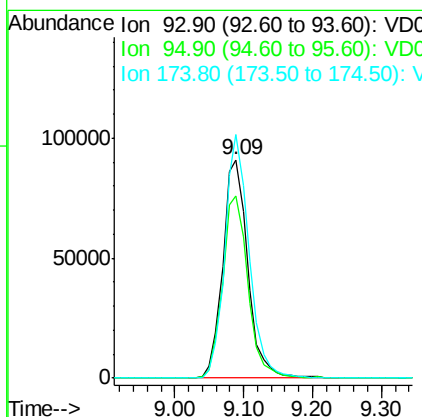
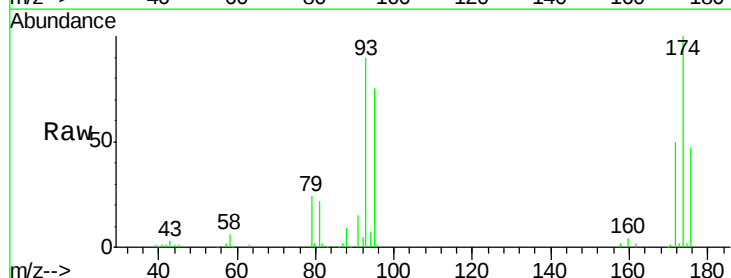
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#46
 Dibromomethane
 Concen: 52.115 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. 0.03 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion: 93 Resp: 229024
 Ion Ratio Lower Upper
 93 100
 95 83.5 68.6 103.0
 174 111.5 83.0 124.4





#47

Bromodichloromethane

Concen: 52.025 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

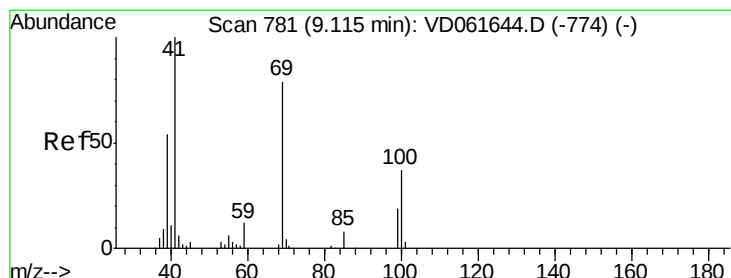
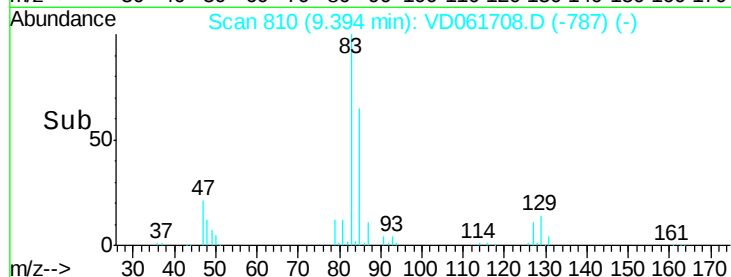
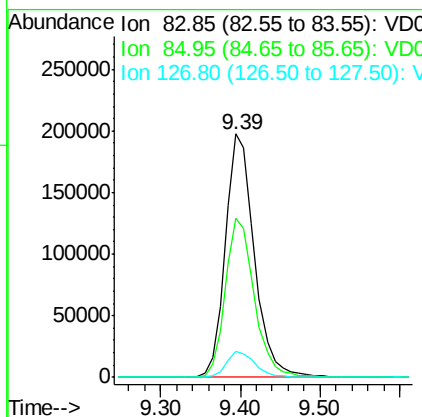
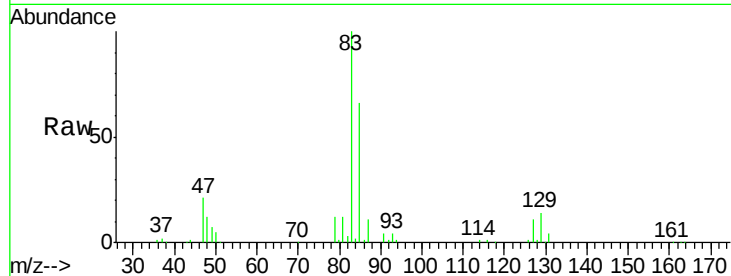
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	502134
Ion Ratio	Lower	Upper	
83	100		
85	65.5	51.8	77.6
127	10.5	9.0	13.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.070 ug/l

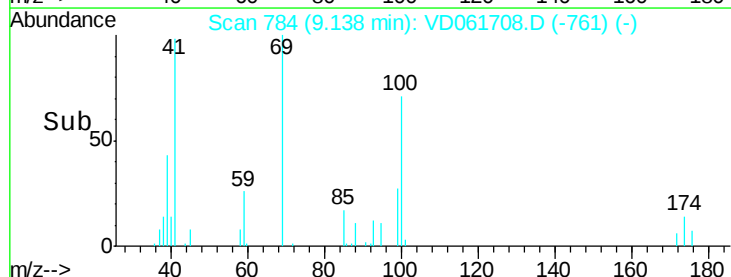
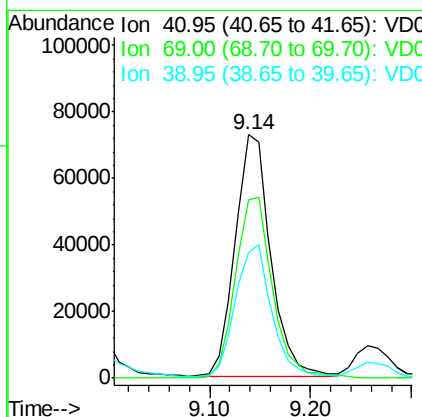
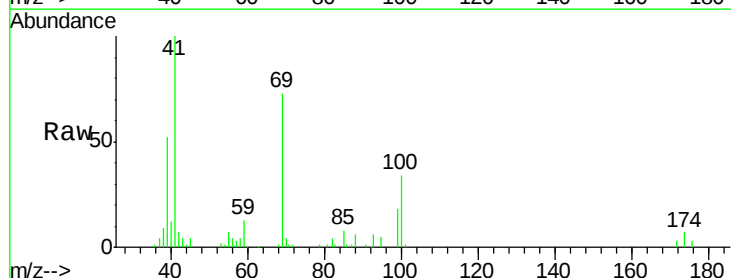
RT: 9.14 min Scan# 784

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Tgt Ion:	41	Resp:	178852
Ion Ratio	Lower	Upper	
41	100		
69	73.4	63.1	94.7
39	51.5	43.8	65.8





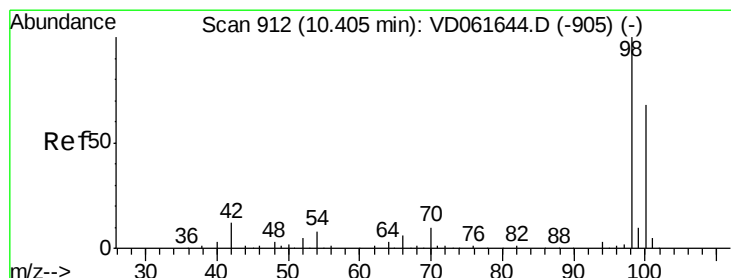
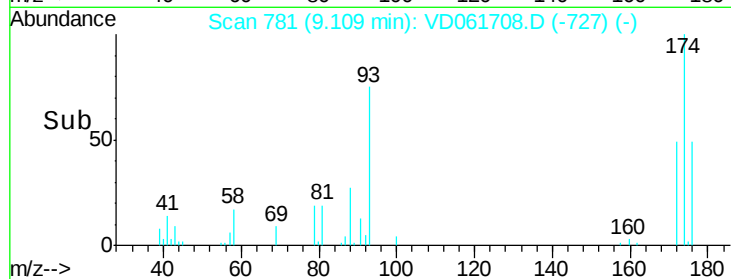
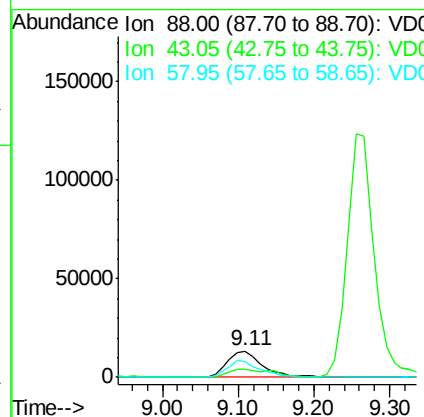
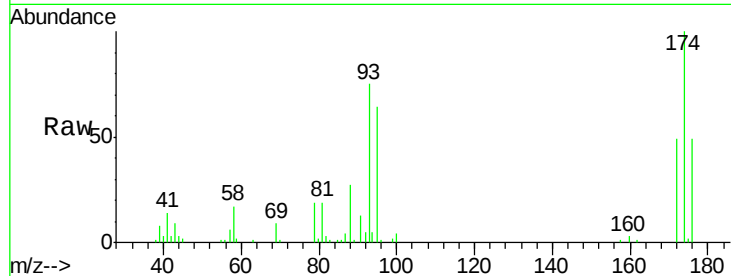
#49
1,4-Dioxane
Concen: 1124.341 ug/l
RT: 9.11 min Scan# 781
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	43462		
43	32.0	21.8	32.8	
58	60.7	40.2	60.2	

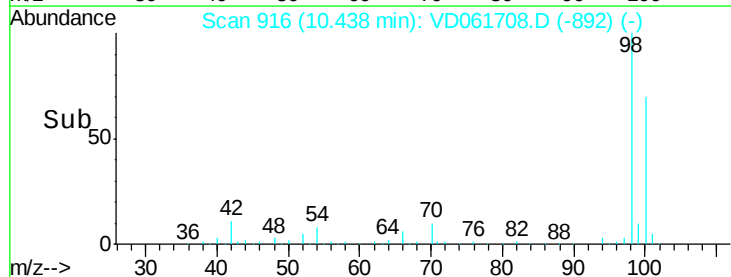
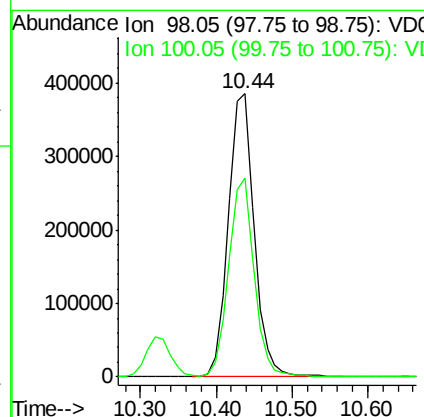
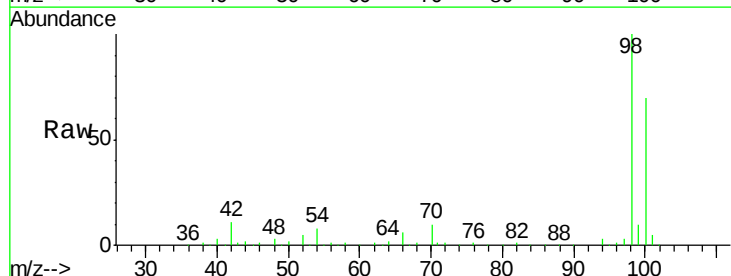
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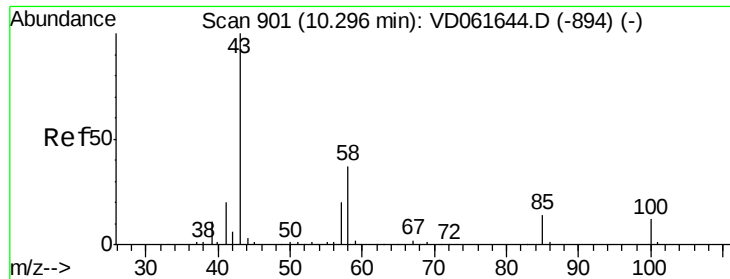
MMDadoda
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#50
Toluene-d8
Concen: 44.701 ug/l
RT: 10.44 min Scan# 916
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	913665		
100	70.2	55.4	83.0	





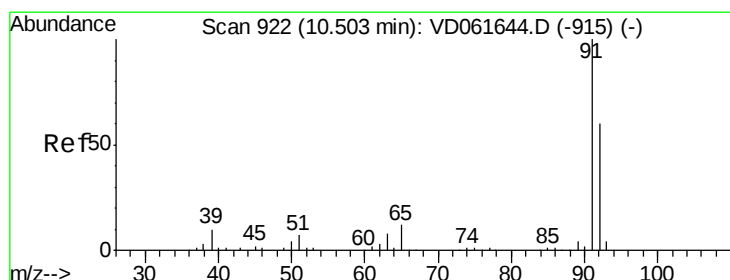
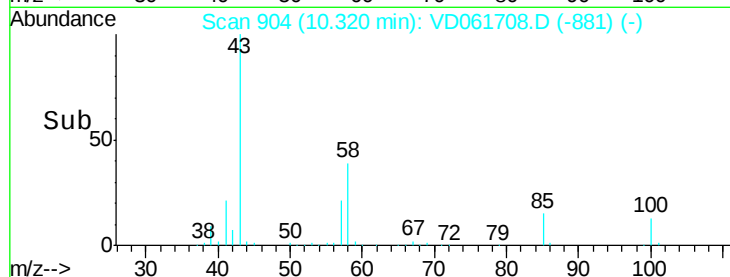
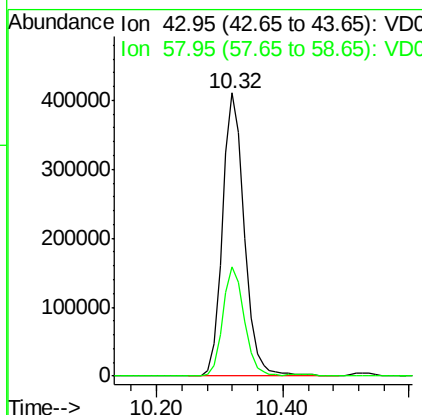
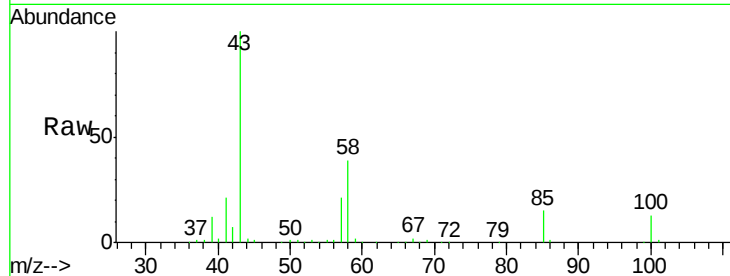
#51
4-Methyl-2-Pentanone
Concen: 275.357 ug/l
RT: 10.32 min Scan# 904
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.6	29.8	44.8

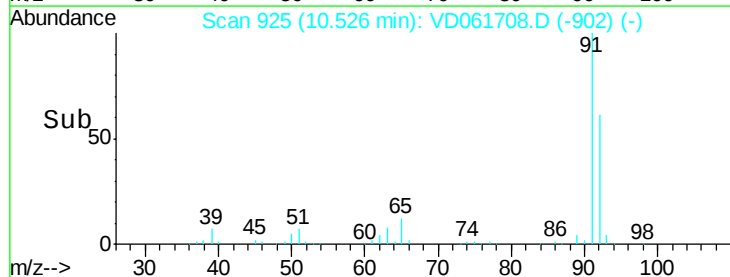
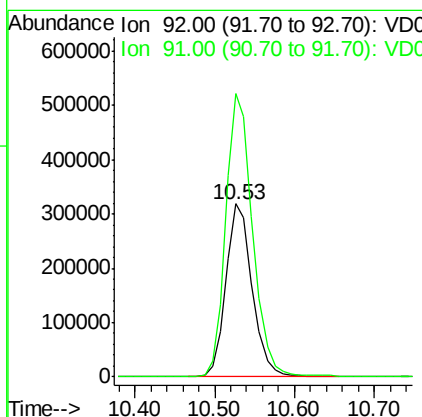
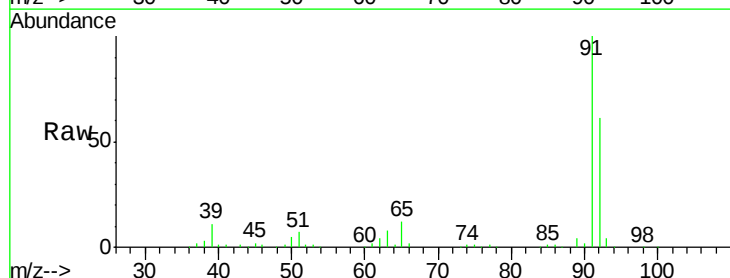
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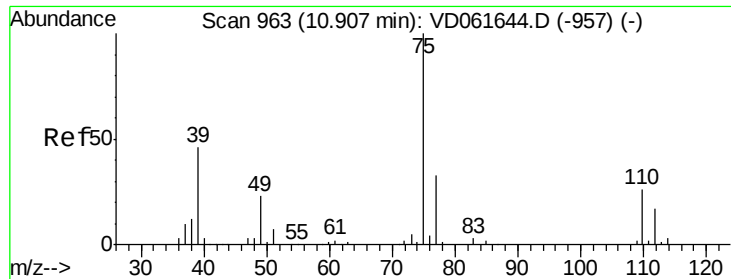
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#52
Toluene
Concen: 47.872 ug/l
RT: 10.53 min Scan# 925
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion	Ratio	Lower	Upper
92	100		
91	163.4	133.0	199.4





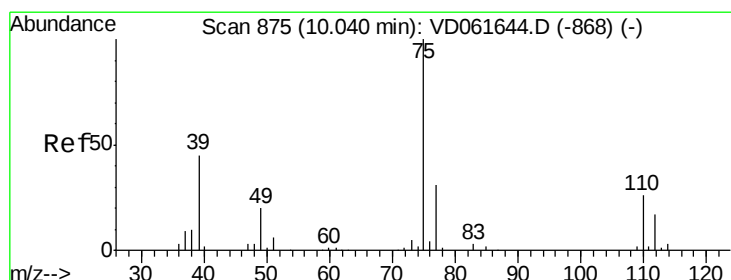
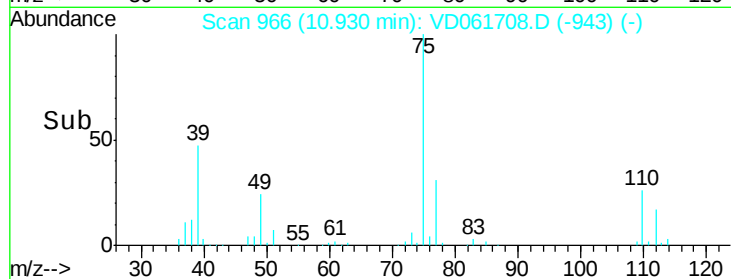
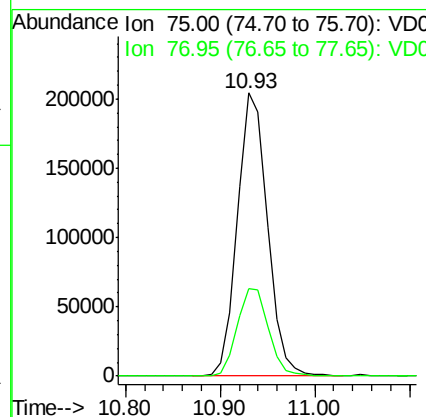
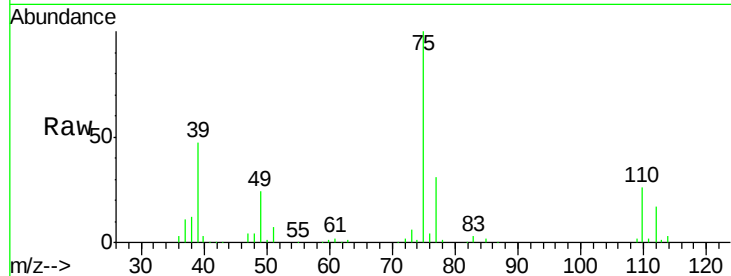
#53
 t-1,3-Dichloropropene
 Concen: 53.284 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.02 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 75 Resp: 450809
 Ion Ratio Lower Upper
 75 100
 77 30.8 26.2 39.2

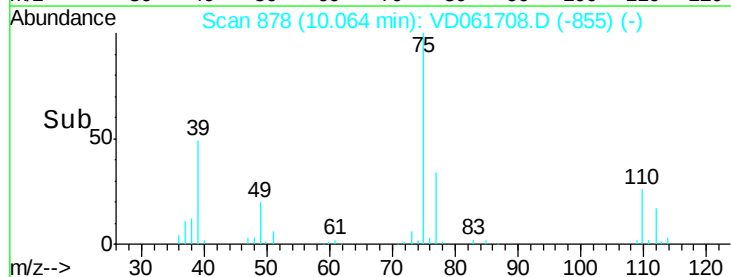
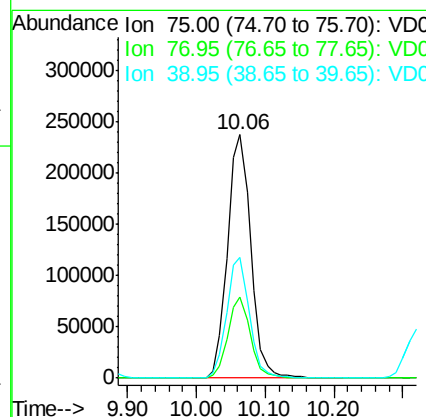
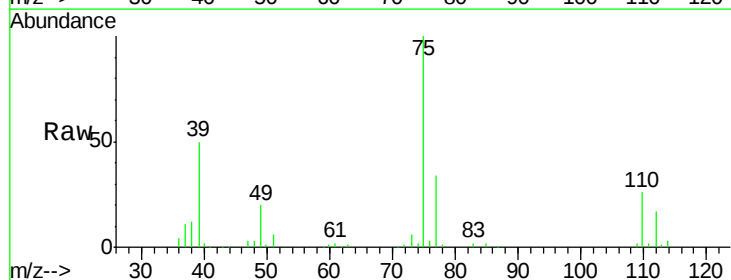
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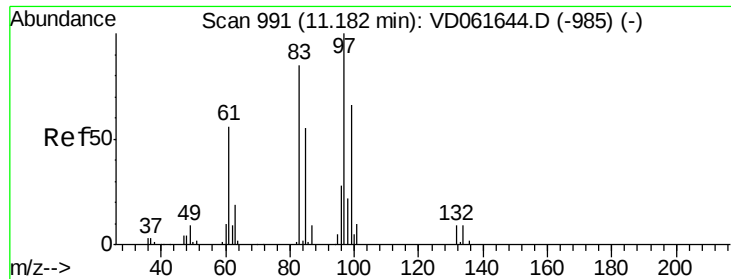
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#54
 cis-1,3-Dichloropropene
 Concen: 53.399 ug/l
 RT: 10.06 min Scan# 878
 Delta R.T. 0.02 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion: 75 Resp: 556928
 Ion Ratio Lower Upper
 75 100
 77 33.5 24.6 37.0
 39 49.6 36.2 54.2





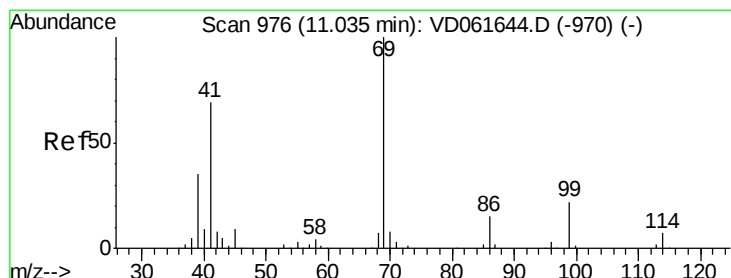
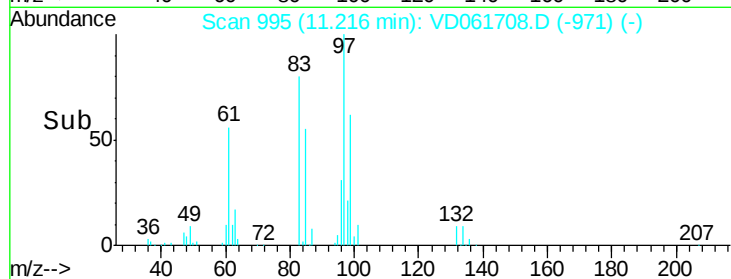
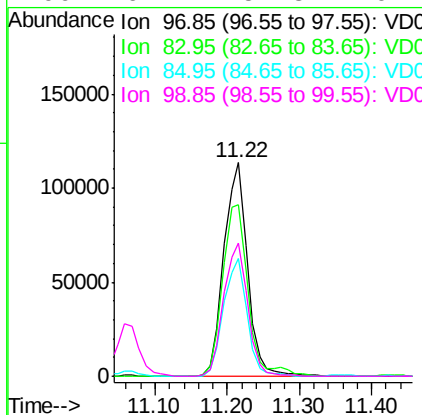
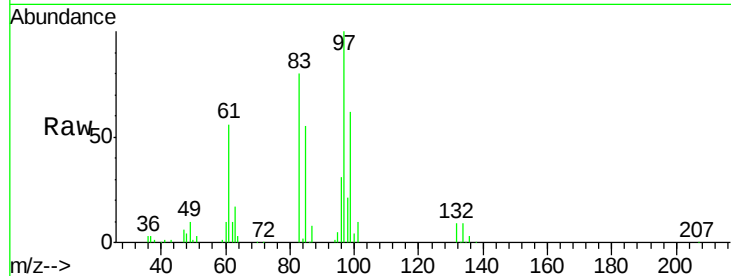
#55
 1,1,2-Trichloroethane
 Concen: 49.439 ug/l
 RT: 11.22 min Scan# 995
 Delta R.T. 0.03 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	258163
Ion	Ratio	Lower	Upper
97	100		
83	80.2	67.8	101.6
85	55.1	43.8	65.8
99	62.2	52.8	79.2

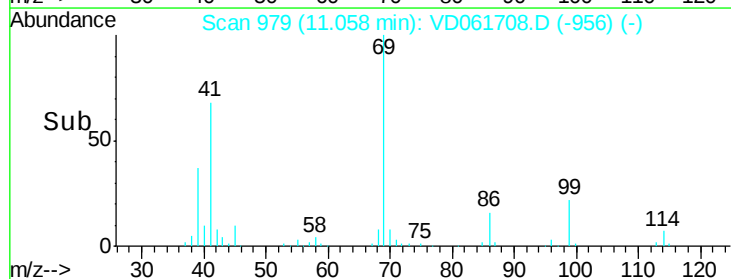
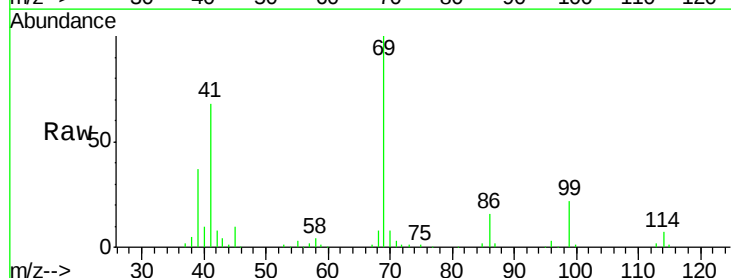
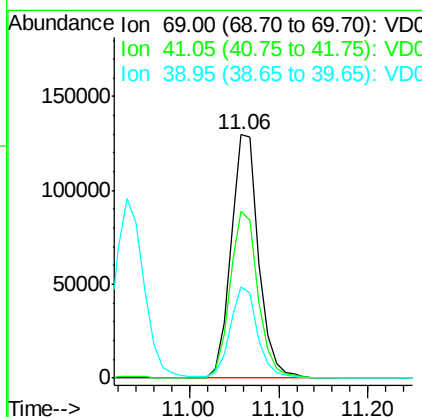
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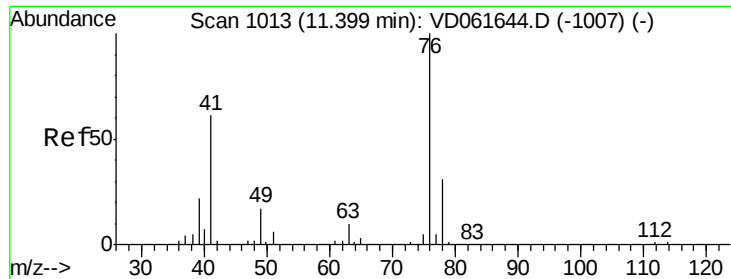
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#56
 Ethyl methacrylate
 Concen: 51.338 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.02 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion:	69	Resp:	282806
Ion	Ratio	Lower	Upper
69	100		
41	68.3	55.2	82.8
39	37.3	28.6	43.0





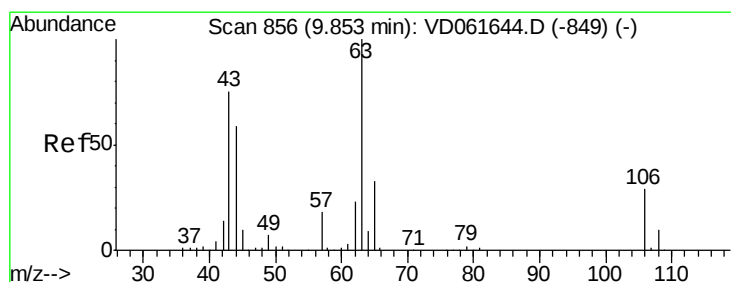
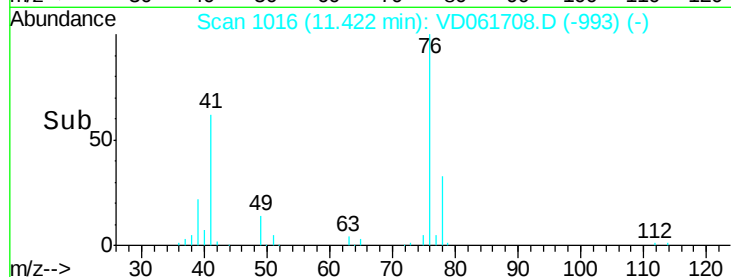
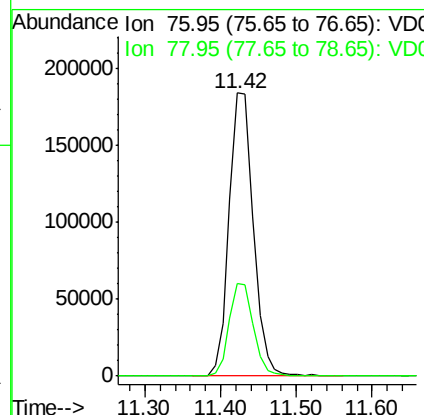
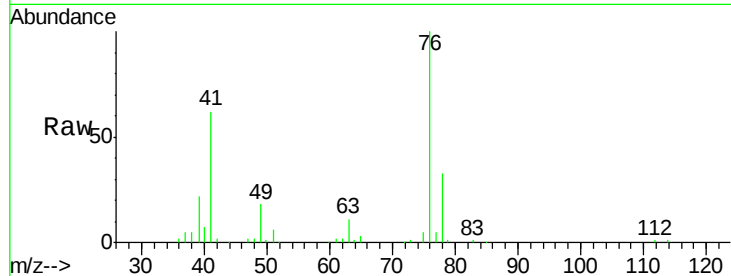
#57
 1,3-Dichloropropane
 Concen: 53.460 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.02 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 408820
 Ion Ratio Lower Upper
 76 100
 78 32.6 24.5 36.7

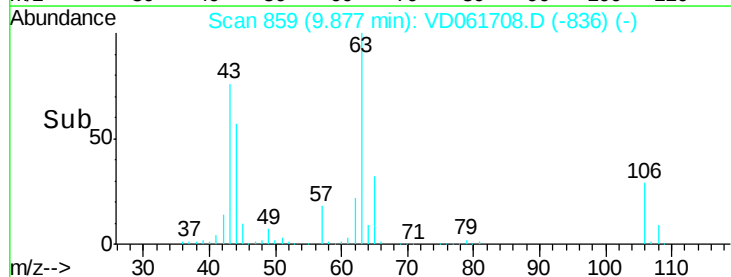
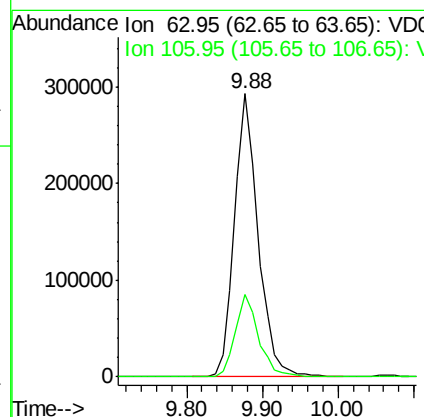
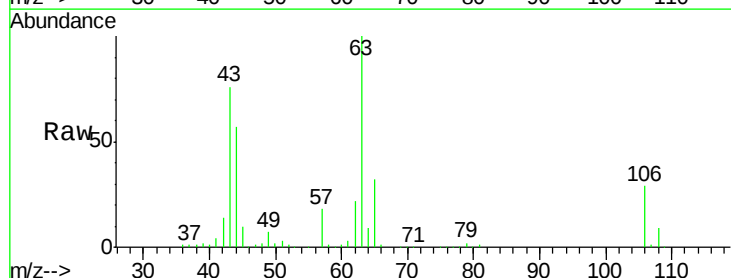
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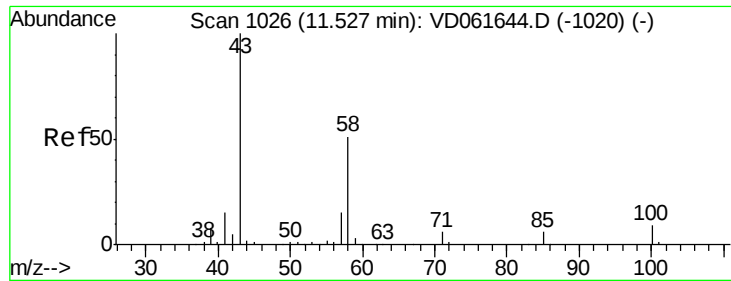
MMDadoda
 4/11/2019 11:45:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.438 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.02 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion: 63 Resp: 630158
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.0 34.6





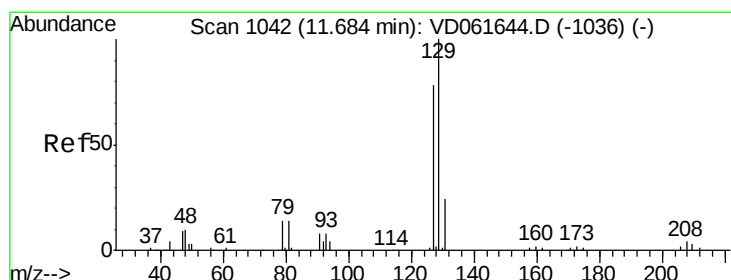
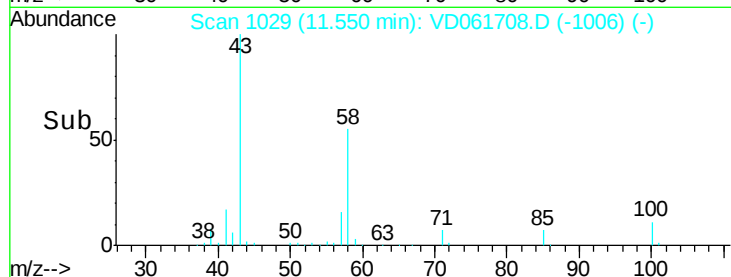
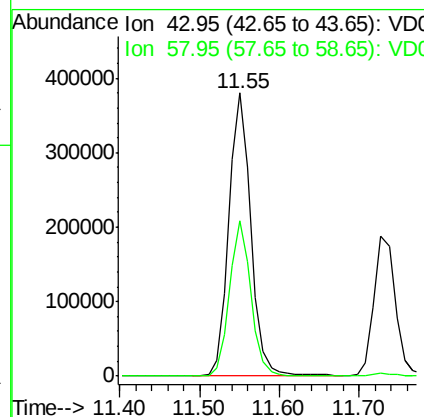
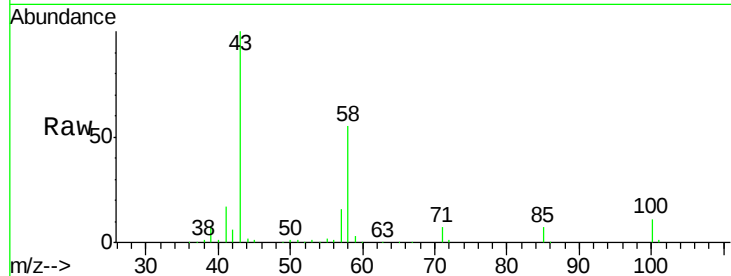
#59
2-Hexanone
Concen: 267.204 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 745080
Ion Ratio Lower Upper
43 100
58 55.1 25.6 76.8

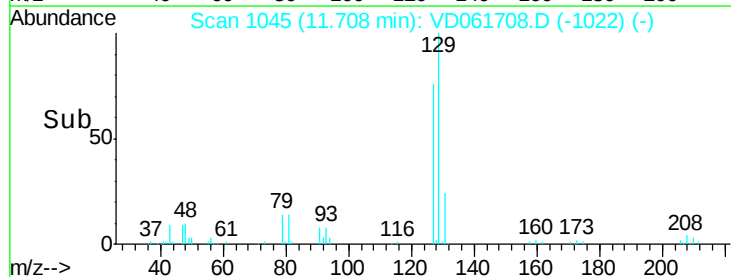
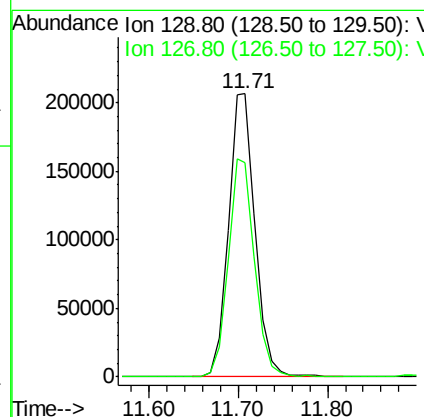
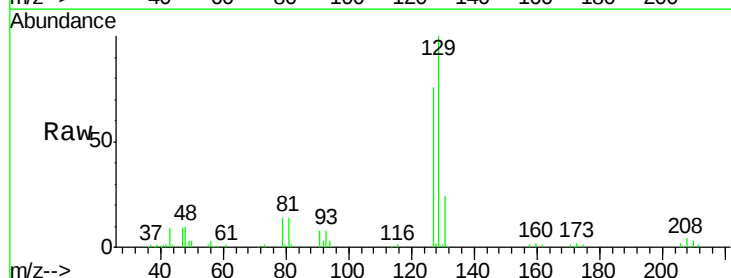
Manual Integrations
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#60
Dibromochloromethane
Concen: 52.463 ug/l
RT: 11.71 min Scan# 1045
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion: 129 Resp: 432824
Ion Ratio Lower Upper
129 100
127 75.6 38.8 116.4





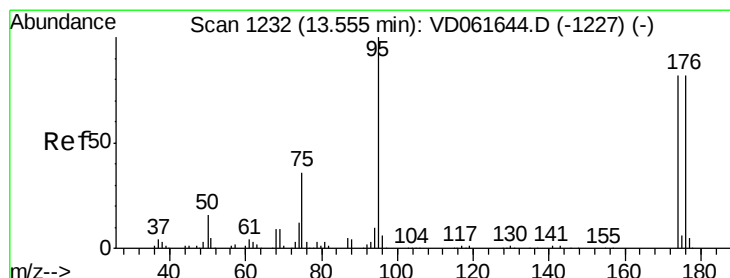
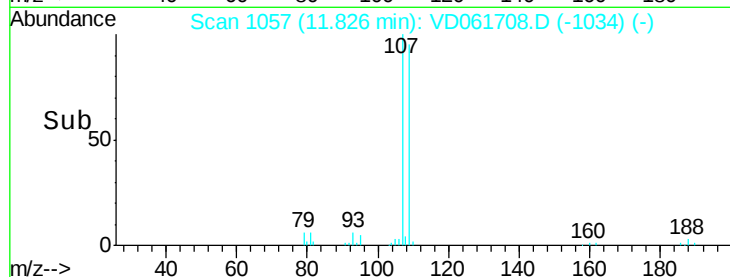
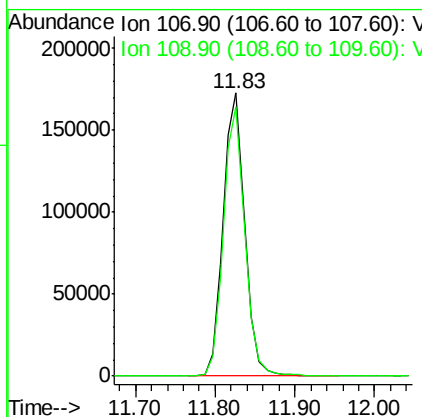
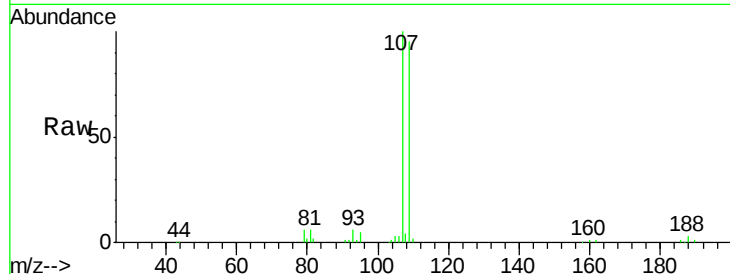
#61
 1,2-Dibromoethane
 Concen: 54.244 ug/l
 RT: 11.83 min Scan# 1057
 Delta R.T. 0.02 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	331260		
109	95.3	79.2	79.2	118.8

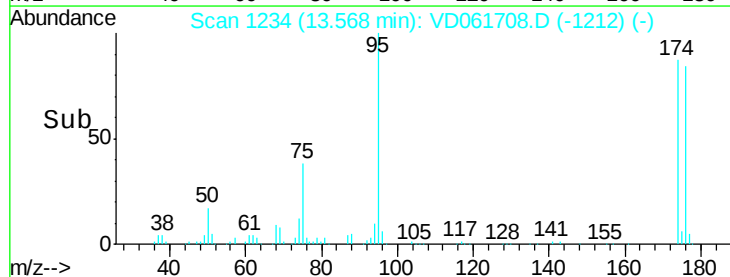
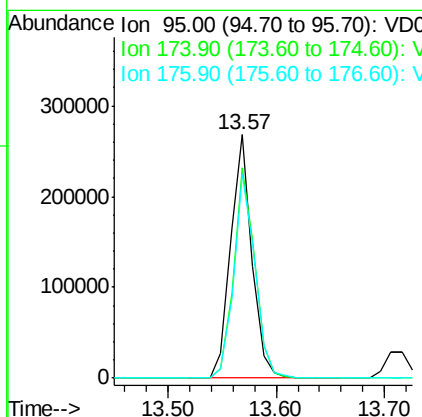
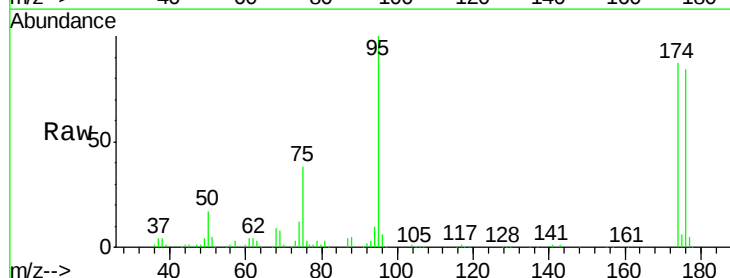
Manual Integrations
 APPROVED

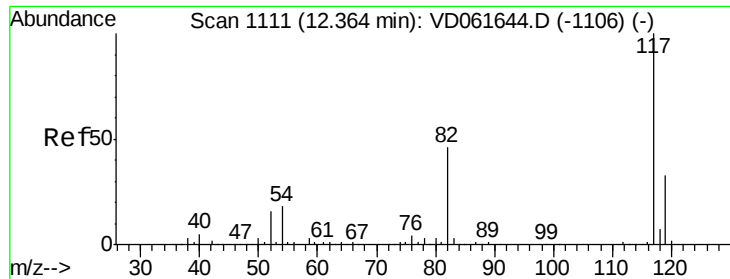
MMDadoda
 4/11/2019 11:45:45 AM



#62
 4-Bromofluorobenzene
 Concen: 51.115 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.01 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	365551		
174	86.6	0.0	0.0	164.6
176	83.5	0.0	0.0	165.0





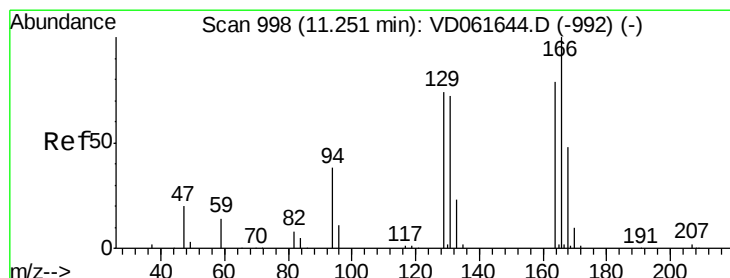
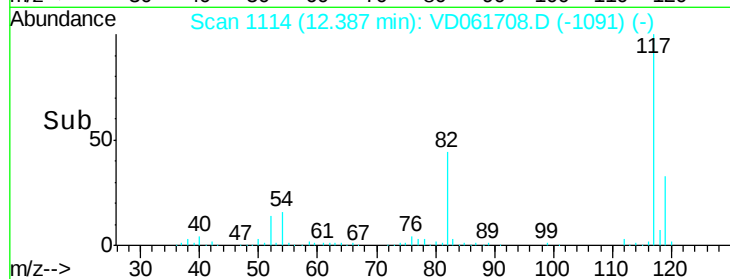
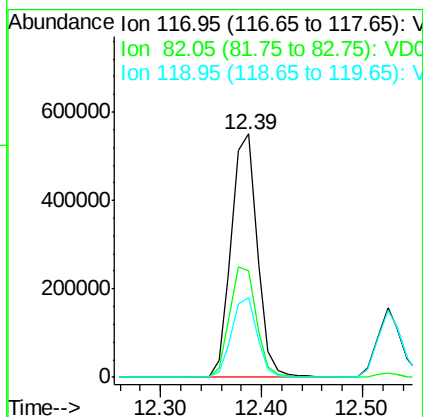
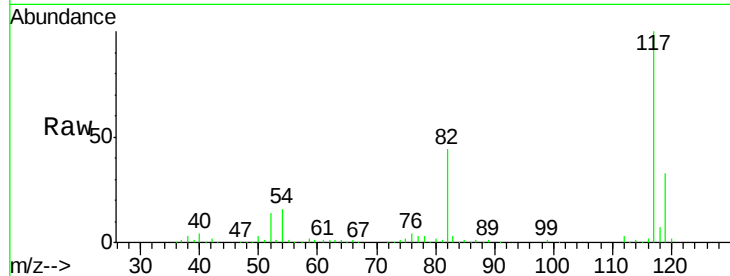
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	989497		
82	43.9	36.8	55.2	
119	32.7	26.1	39.1	

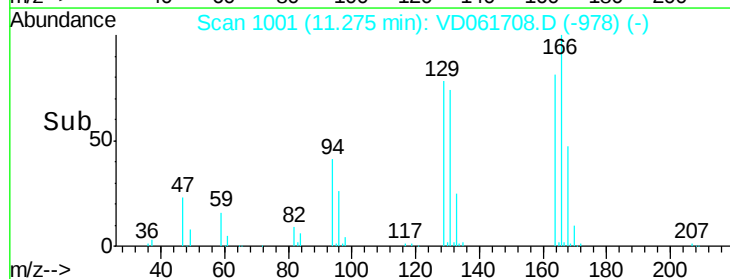
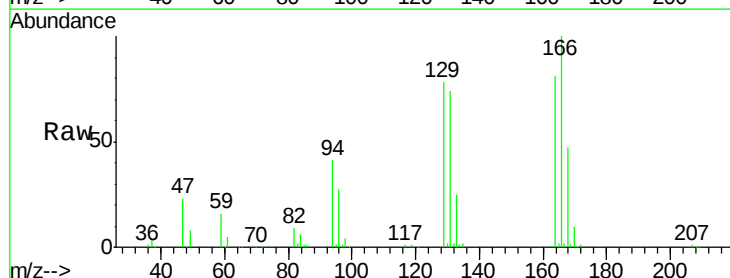
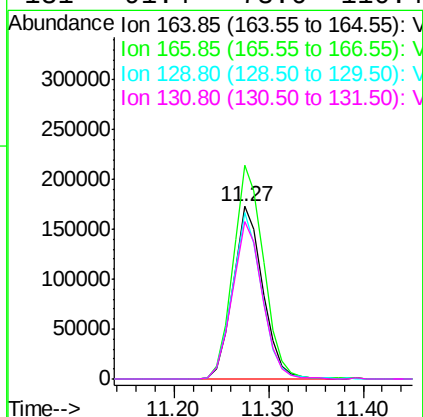
Manual Integrations
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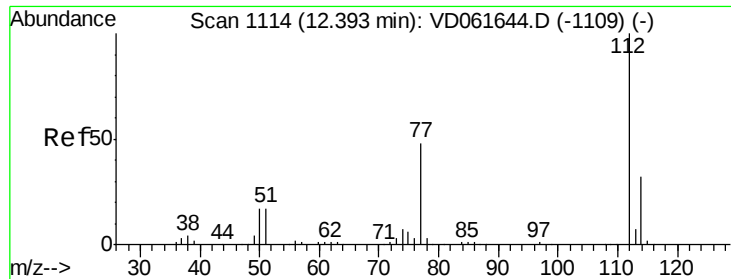
MMDadoda
4/11/2019 11:45:45 AM



#64
Tetrachloroethene
Concen: 49.024 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	376548		
166	123.8	101.8	152.8	
129	96.2	75.4	113.0	
131	91.4	73.6	110.4	





#65

Chlorobenzene

Concen: 45.734 ug/l

RT: 12.42 min Scan# 1117

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 897439

Ion Ratio Lower Upper

112 100

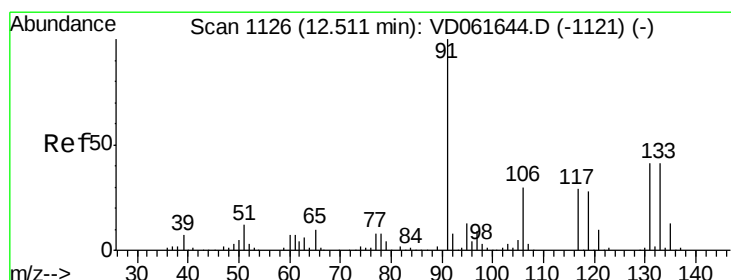
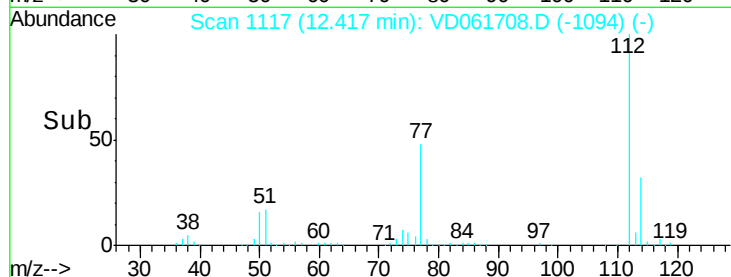
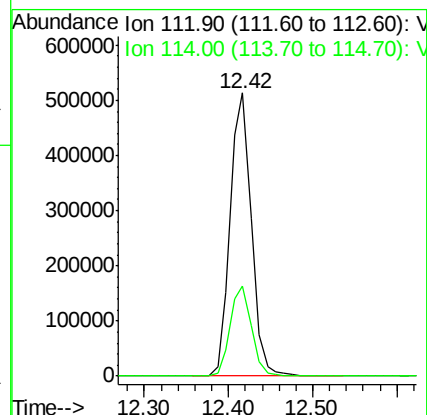
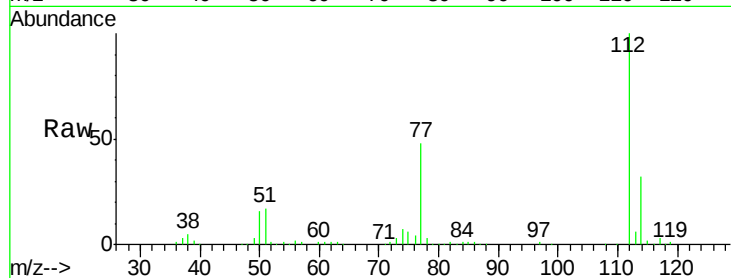
114 31.8 25.6 38.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 49.496 ug/l

RT: 12.52 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

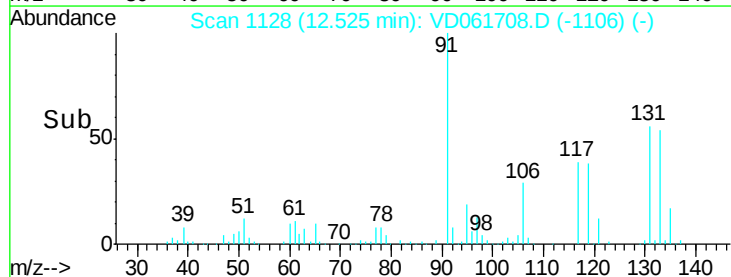
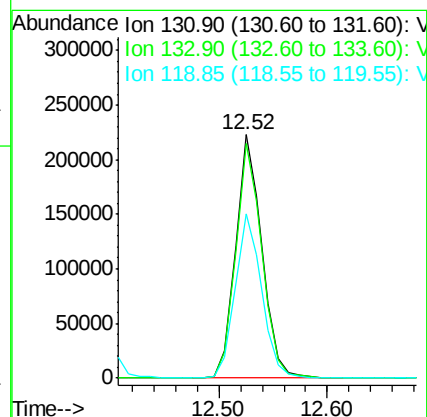
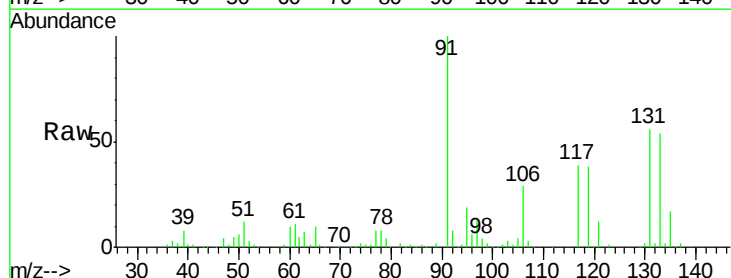
Tgt Ion:131 Resp: 373739

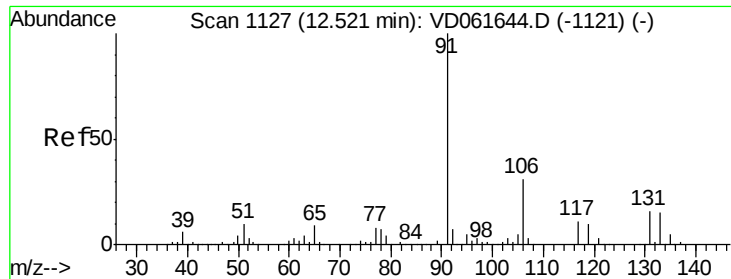
Ion Ratio Lower Upper

131 100

133 96.3 49.5 148.3

119 67.6 34.7 104.1





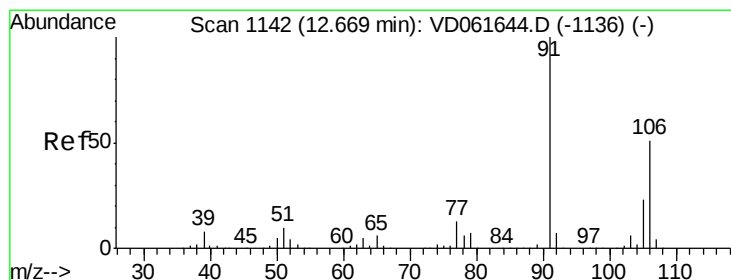
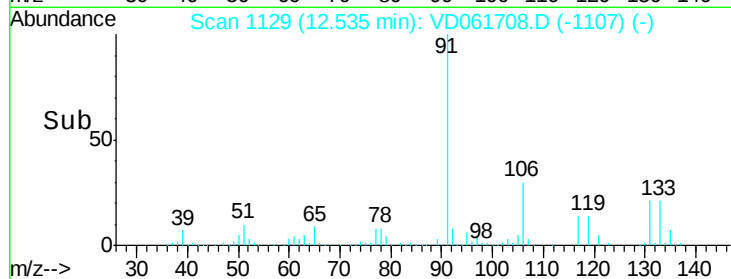
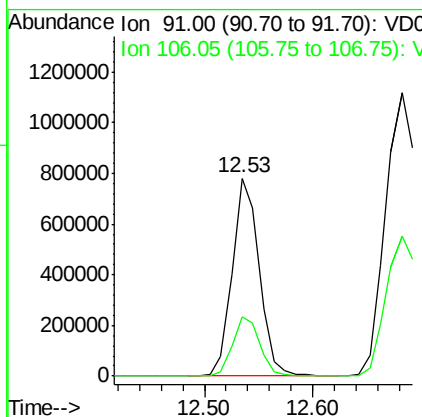
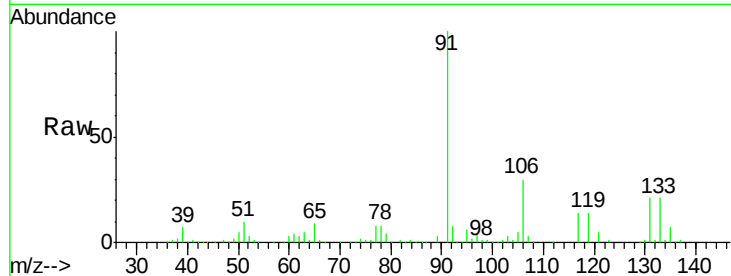
#67
Ethyl Benzene
Concen: 45.229 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1351512
Ion Ratio Lower Upper
91 100
106 29.8 24.6 37.0

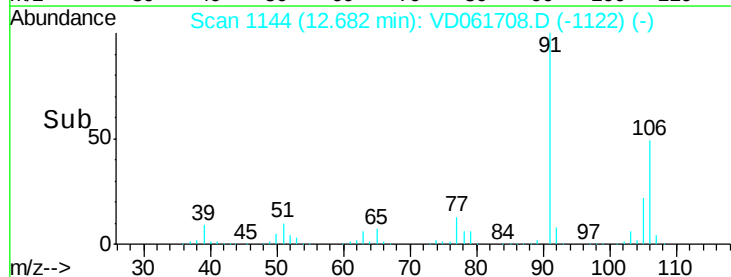
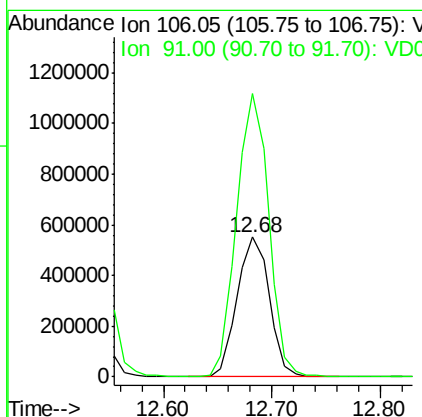
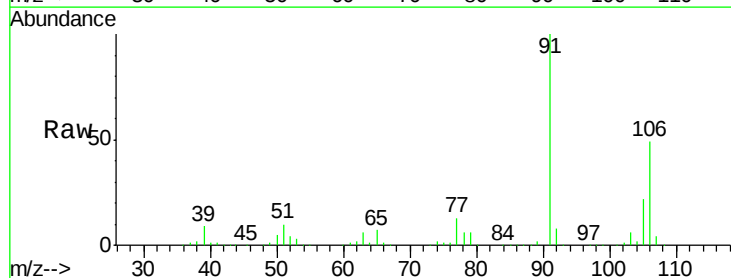
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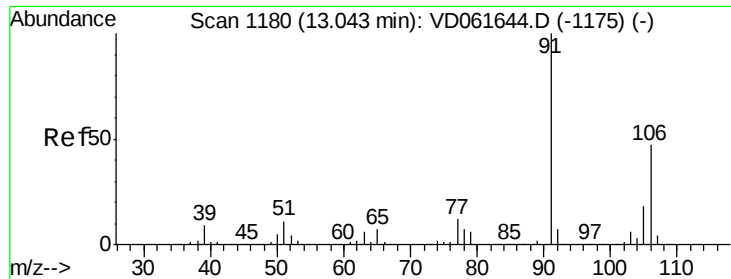
MMDadoda
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#68
m/p-Xylenes
Concen: 98.864 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion: 106 Resp: 1138917
Ion Ratio Lower Upper
106 100
91 203.0 156.7 235.1





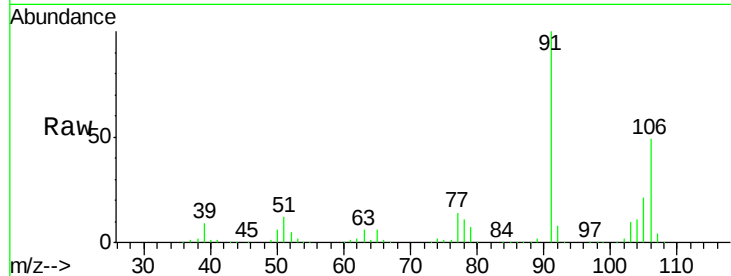
#69
o-Xylene
Concen: 47.890 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

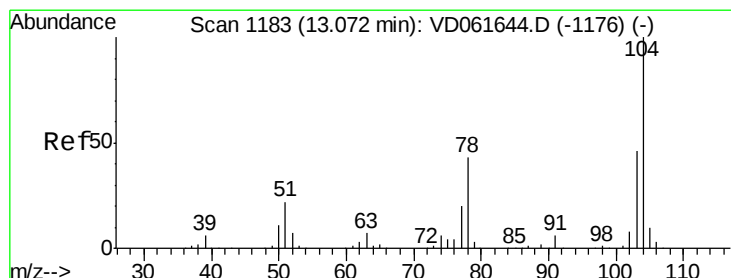
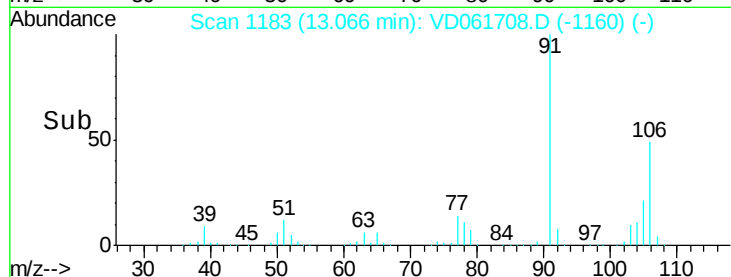
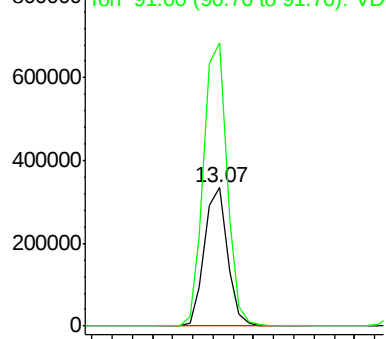
Tgt Ion:106 Resp: 532557
Ion Ratio Lower Upper
106 100
91 204.7 107.3 321.9

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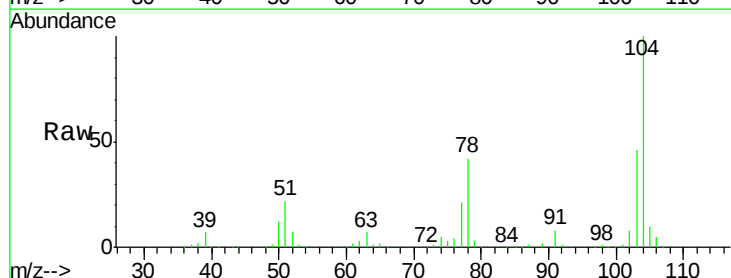


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

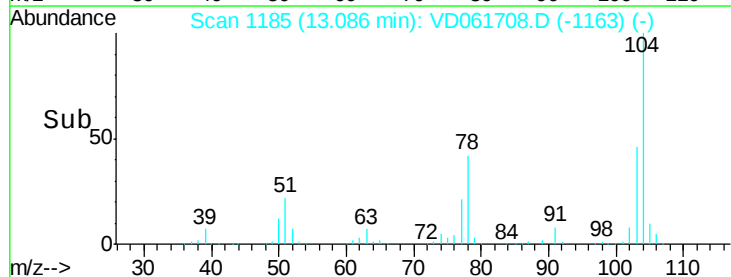
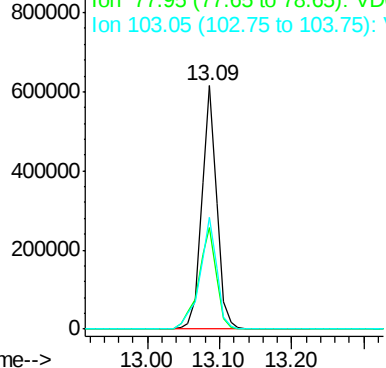


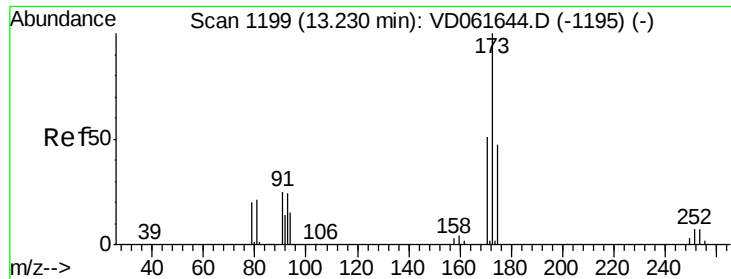
#70
Styrene
Concen: 46.651 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion:104 Resp: 885955
Ion Ratio Lower Upper
104 100
78 41.6 34.2 51.4
103 46.1 37.2 55.8



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





#71

Bromoform

Concen: 51.958 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 243428

Ion Ratio Lower Upper

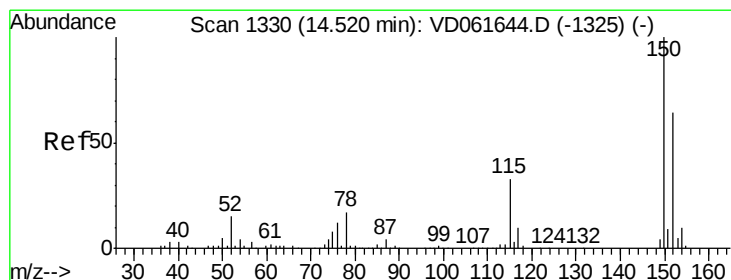
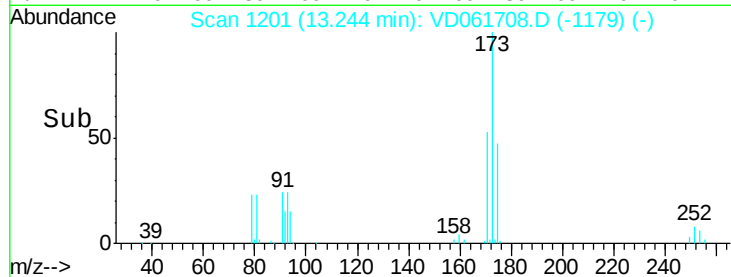
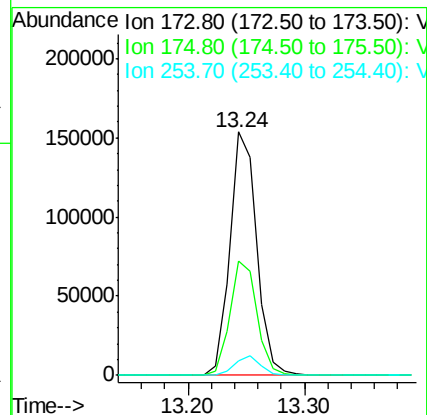
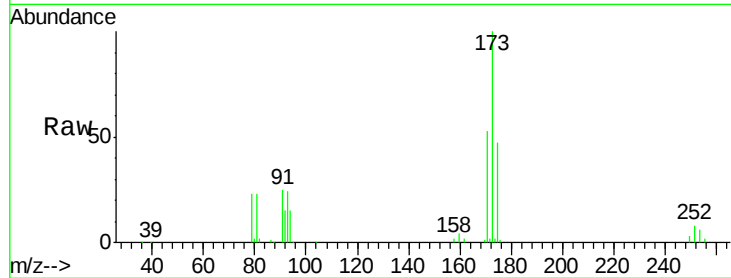
173 100

175 47.0 23.7 71.1

254 6.1 5.8 8.6

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

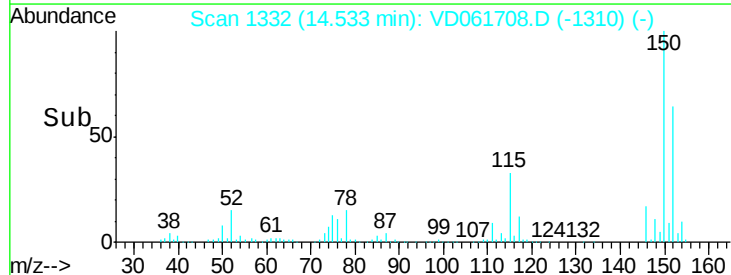
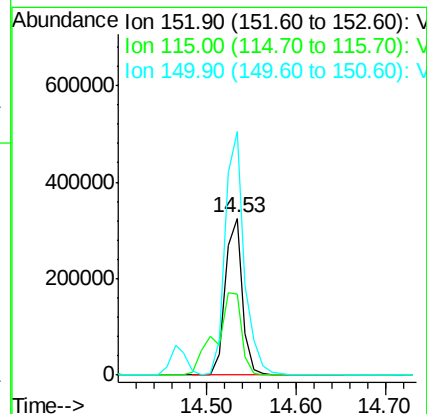
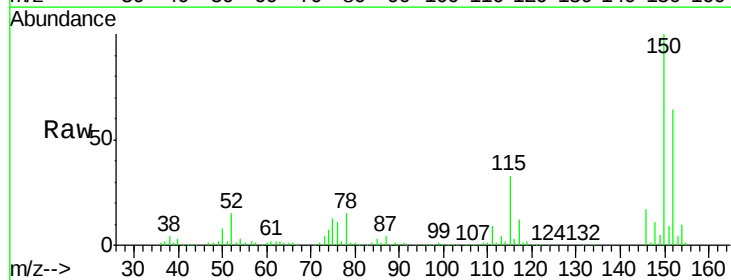
Tgt Ion:152 Resp: 438863

Ion Ratio Lower Upper

152 100

115 51.7 26.4 79.2

150 155.3 0.0 320.6





#73

Isopropylbenzene

Concen: 50.079 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 1464407

Ion Ratio Lower Upper

105 100

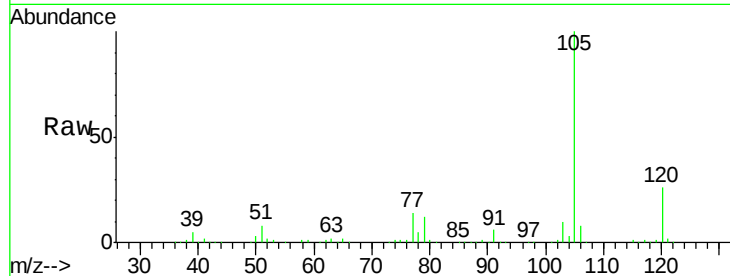
120 25.6 12.2 36.4

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1000000

800000

600000

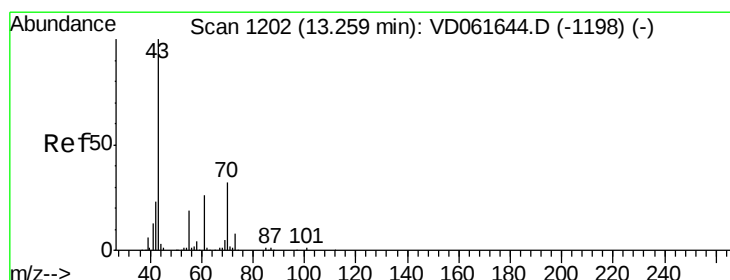
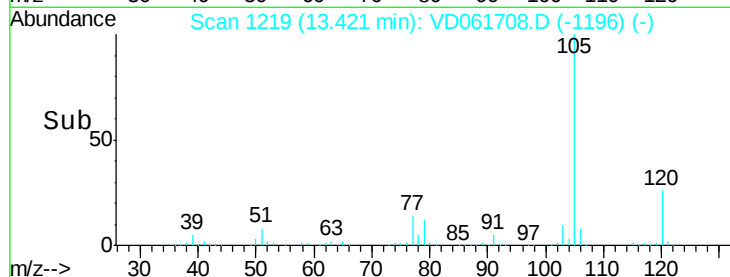
400000

200000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 48.654 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Tgt Ion: 43 Resp: 386561

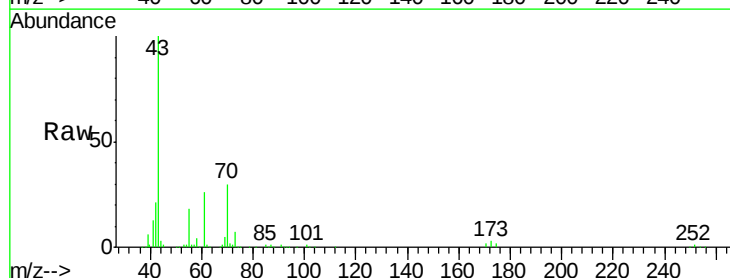
Ion Ratio Lower Upper

43 100

70 30.2 25.4 38.2

55 18.5 15.0 22.4

61 26.2 20.9 31.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

400000

300000

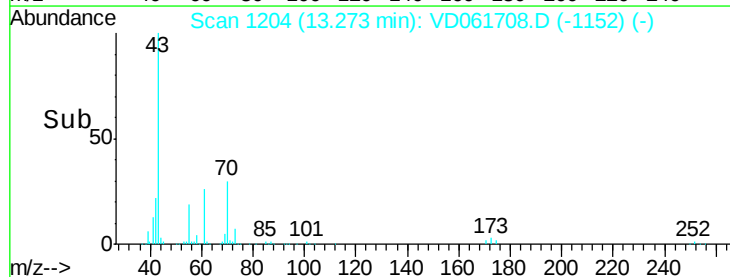
200000

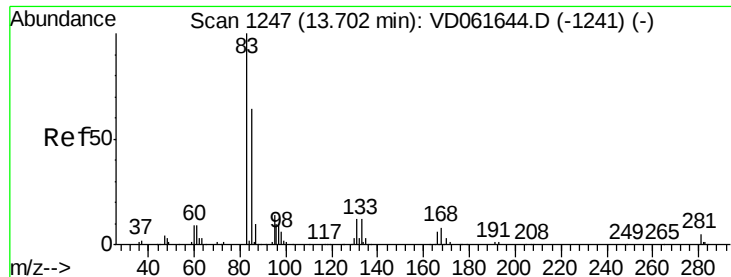
100000

0

13.20 13.30 13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.506 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 311423
Ion Ratio Lower Upper

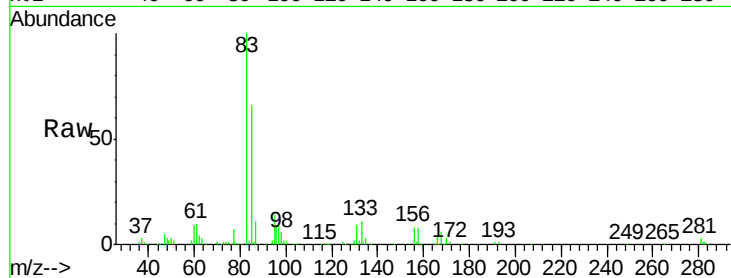
83 100

131 9.1 5.9 17.6

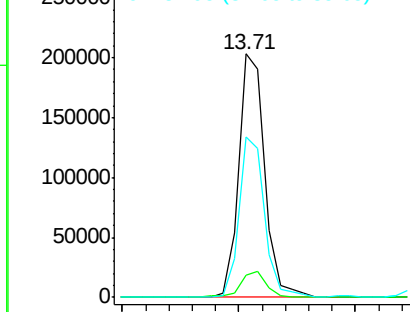
85 66.0 32.0 96.2

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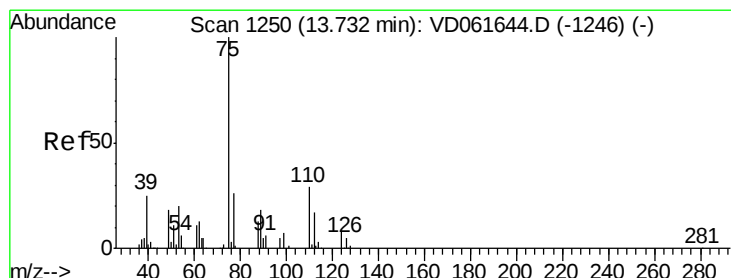
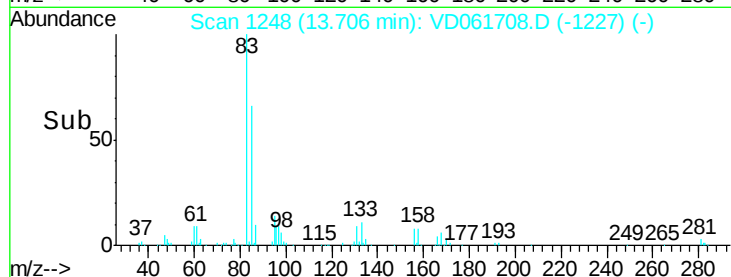
MMDadoda
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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



Time--> 13.60 13.70 13.80



#76

1,2,3-Trichloropropane

Concen: 49.288 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.01 min

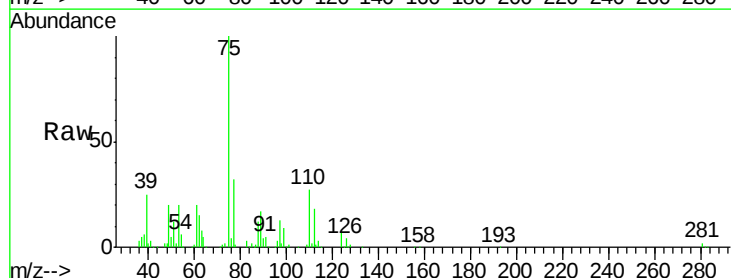
Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

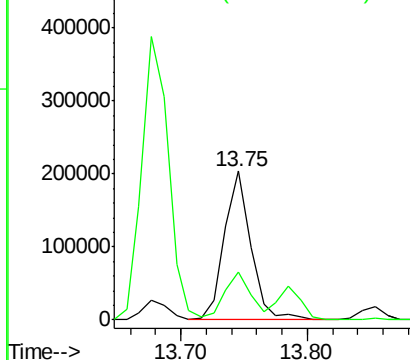
Tgt Ion: 75 Resp: 294287
Ion Ratio Lower Upper

75 100

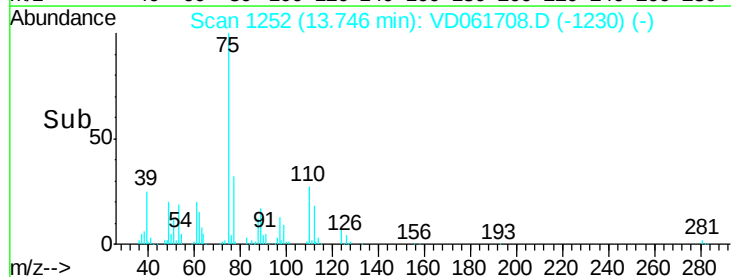
77 32.3 15.7 47.1

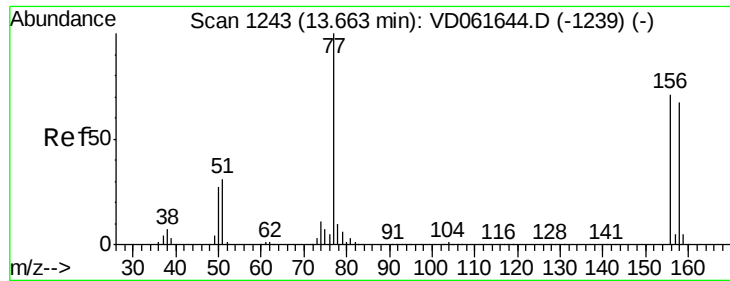


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC



Time--> 13.70 13.75 13.80





#77

Bromobenzene

Concen: 53.131 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

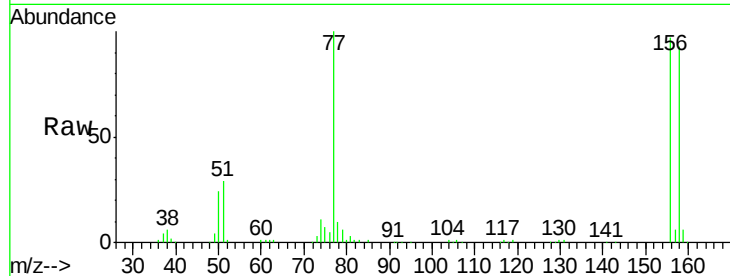
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	103.5	70.3	210.8
158	95.8	47.4	142.2

Manual Integrations
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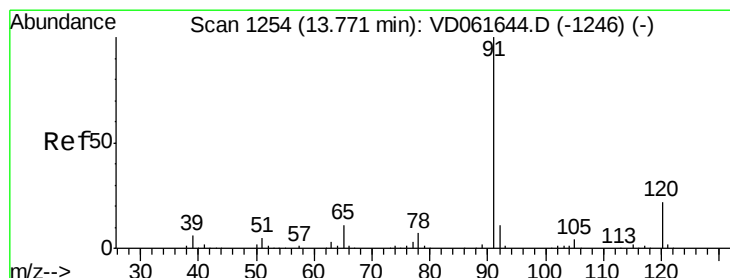
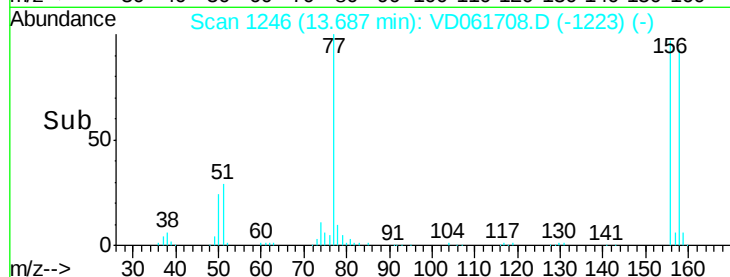
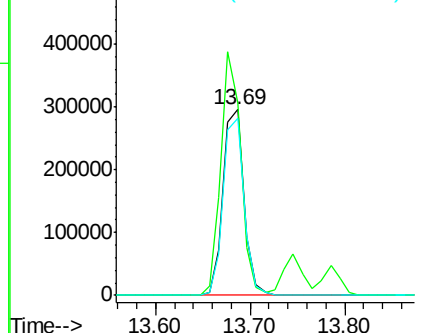
MMDadoda
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.873 ug/l

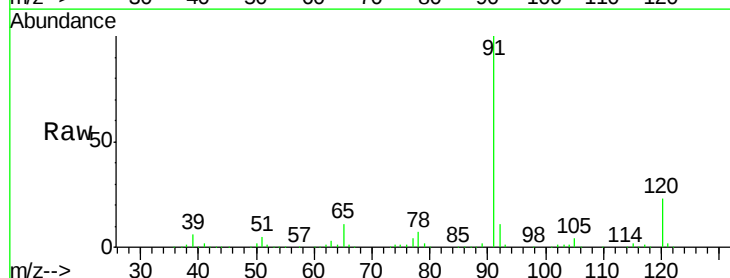
RT: 13.78 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD061708.D

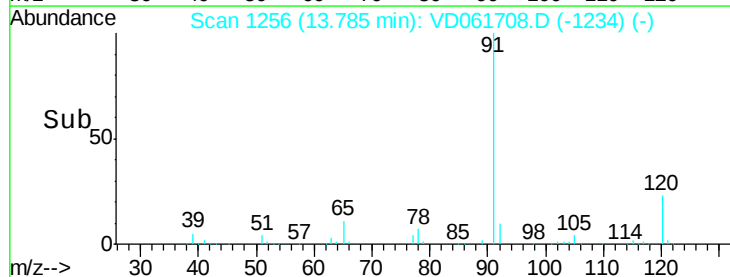
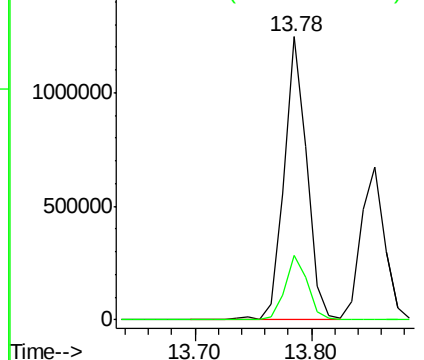
Acq: 10 Apr 2019 12:38

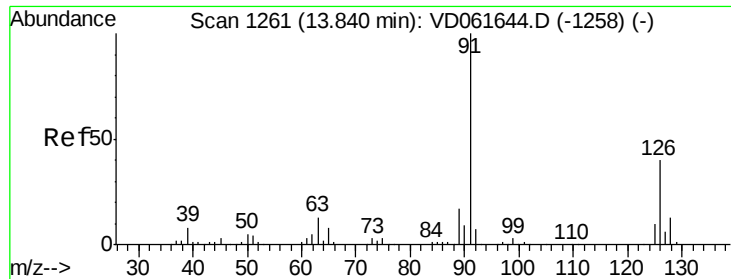
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	10.8	32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 47.010 ug/l

RT: 13.85 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 940348

Ion Ratio Lower Upper

91 100

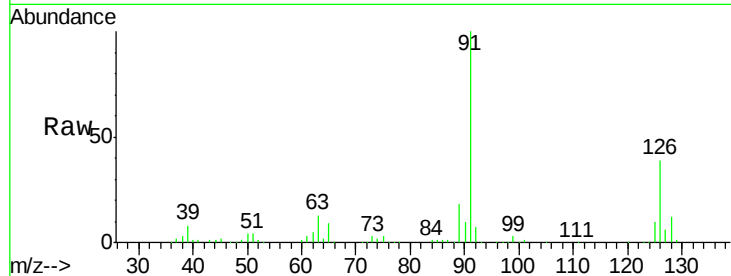
126 38.8 20.0 59.9

Manual Integrations

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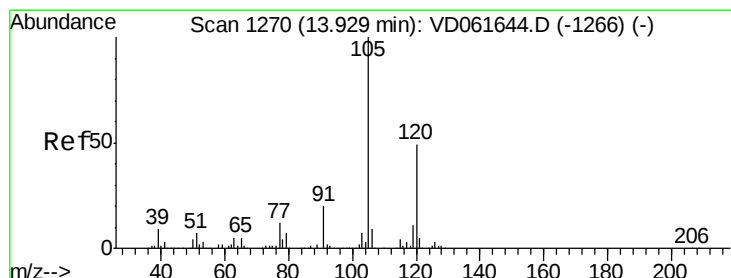
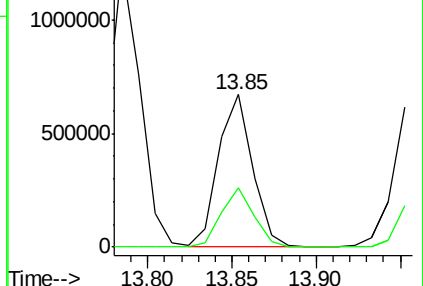
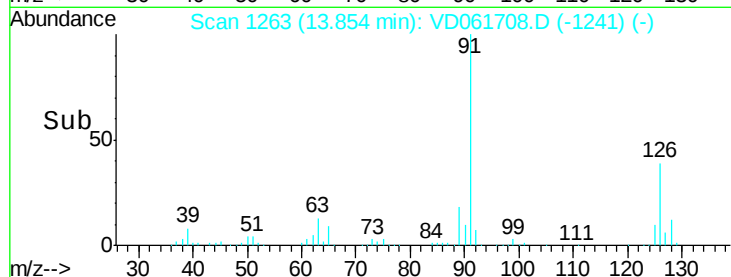
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 50.756 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061708.D

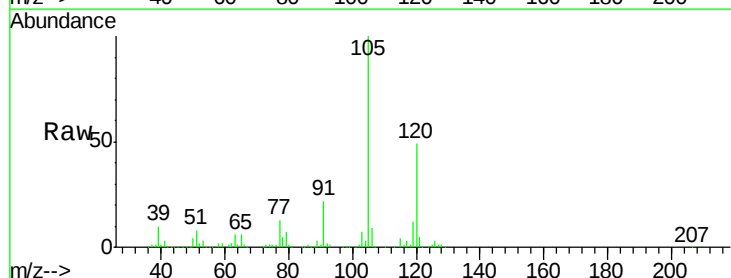
Acq: 10 Apr 2019 12:38

Tgt Ion: 105 Resp: 1178031

Ion Ratio Lower Upper

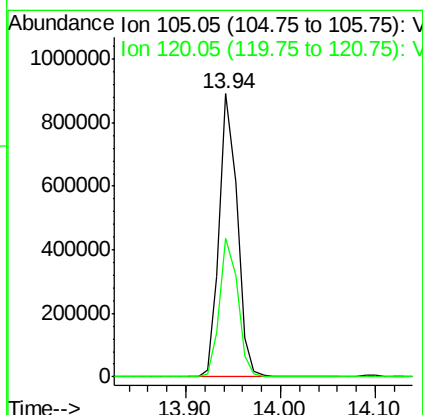
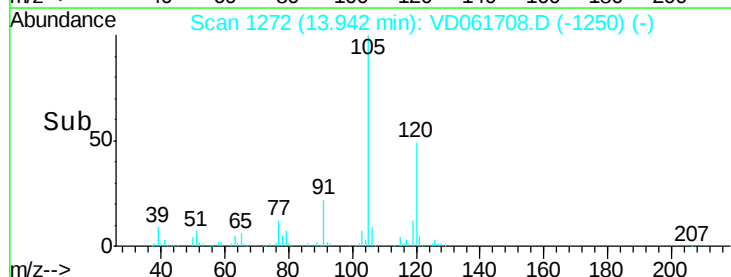
105 100

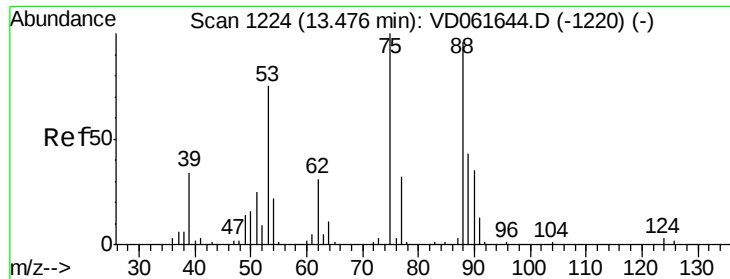
120 48.8 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





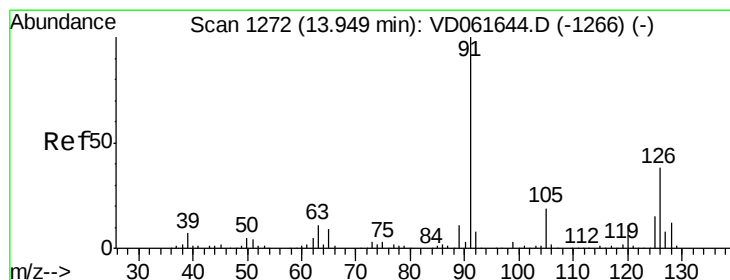
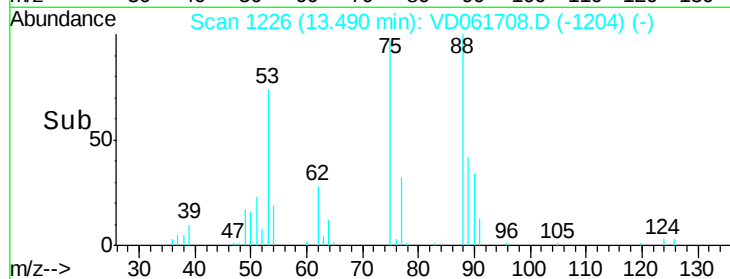
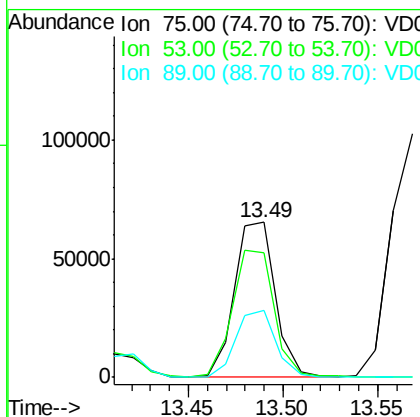
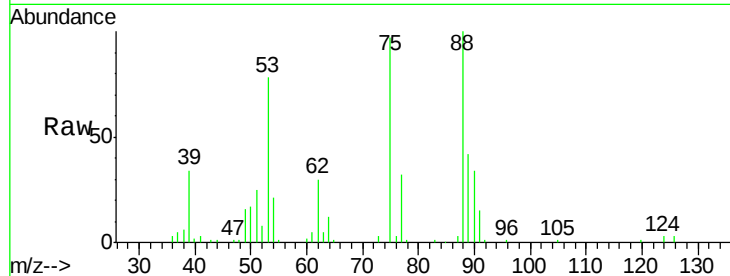
#81
trans-1,4-Dichloro-2-butene
Concen: 54.061 ug/l
RT: 13.49 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	80.0	60.2	90.2
89	42.9	34.2	51.2

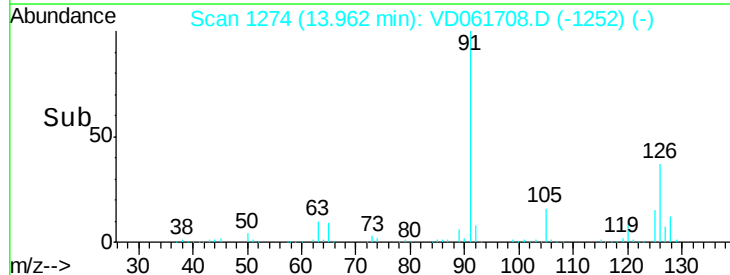
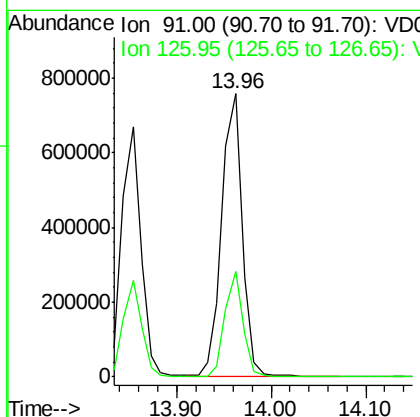
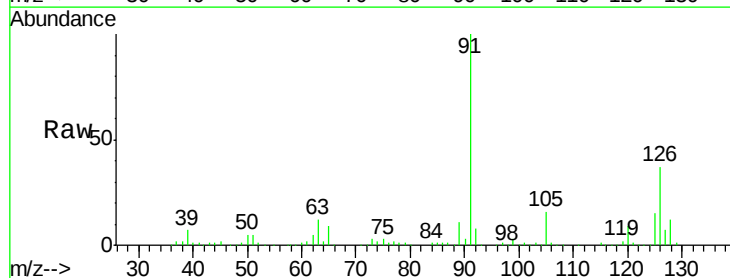
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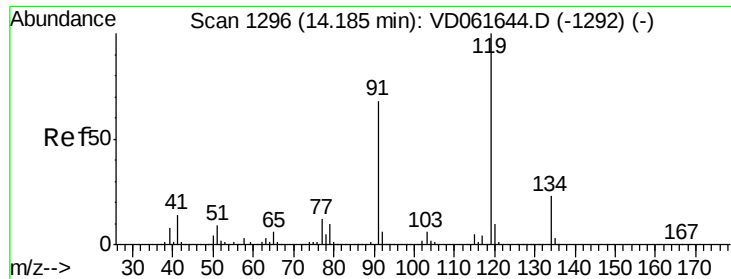
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#82
4-Chlorotoluene
Concen: 51.969 ug/l
RT: 13.96 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.5	19.0	57.0





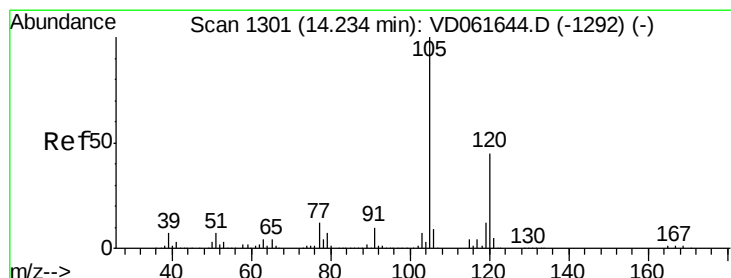
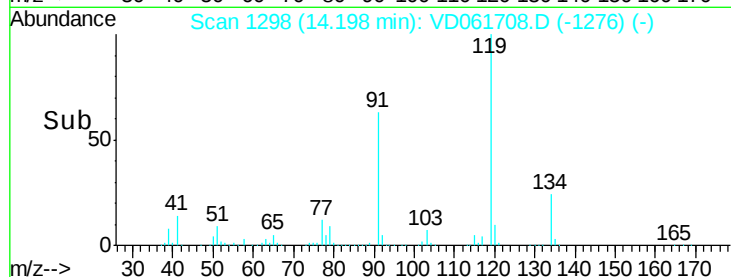
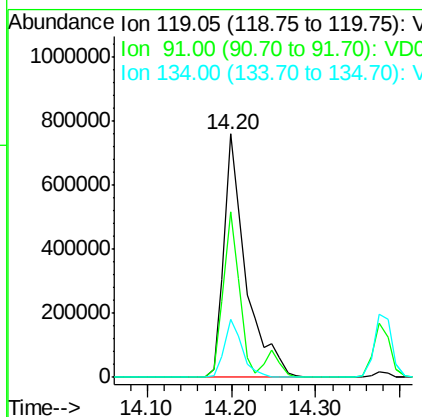
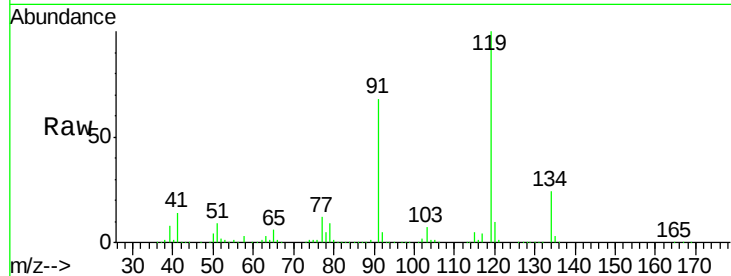
#83
 tert-Butylbenzene
 Concen: 49.351 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 1381023
 Ion Ratio Lower Upper
 119 100
 91 67.8 33.9 101.6
 134 23.6 11.6 34.8

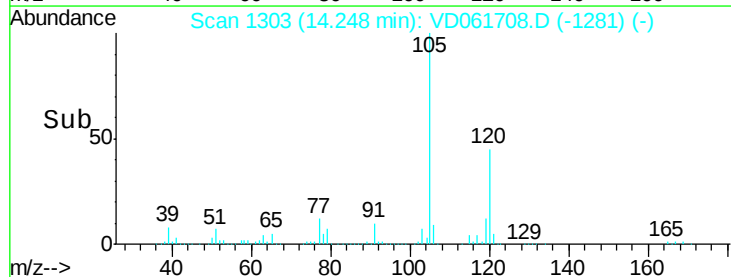
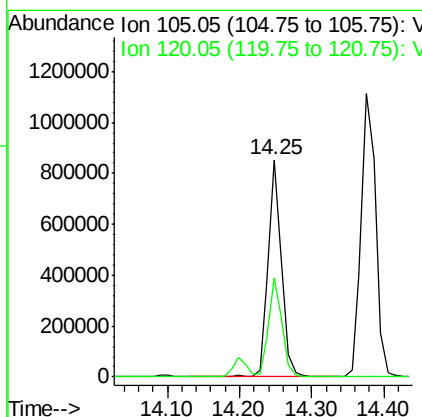
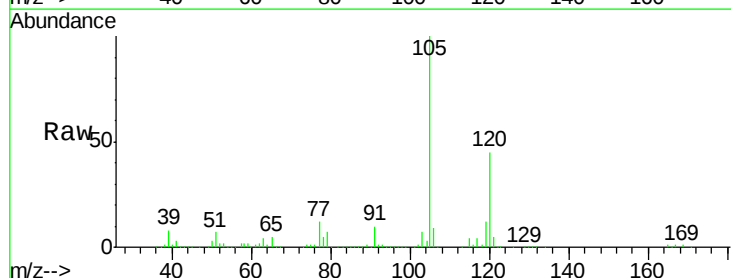
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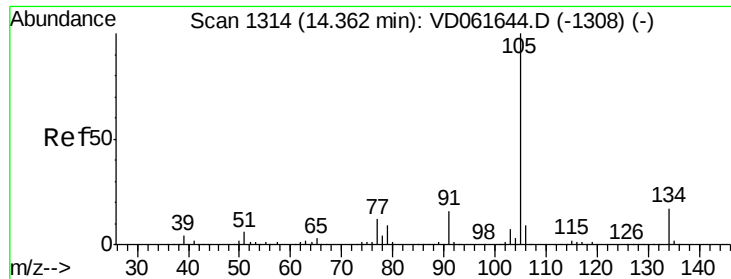
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 4/11/2019 11:45:45 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 46.858 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.01 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion:105 Resp: 1097625
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.6 67.8





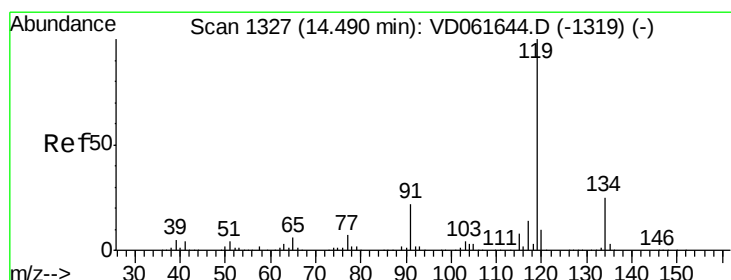
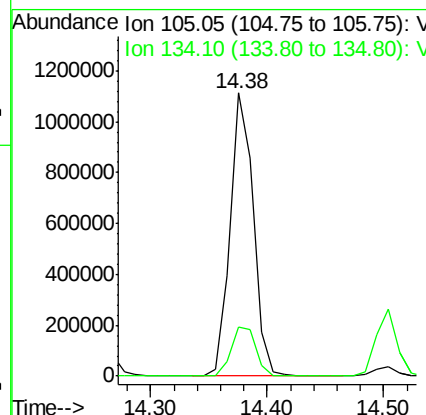
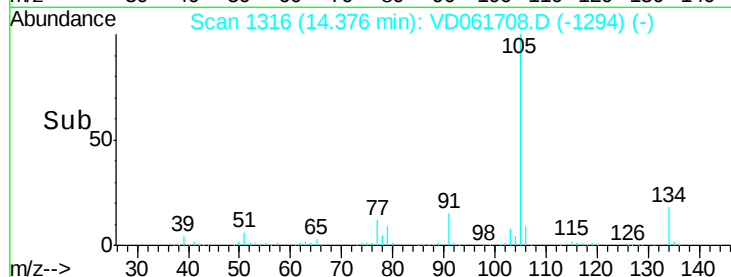
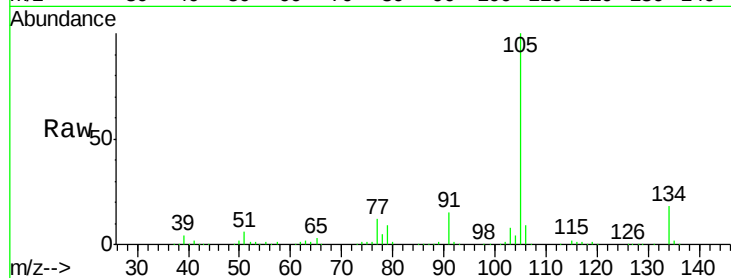
#85
 sec-Butylbenzene
 Concen: 50.677 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 1532184
 Ion Ratio Lower Upper
 105 100
 134 17.5 8.6 25.7

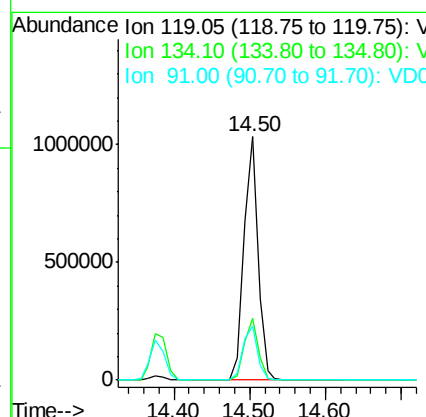
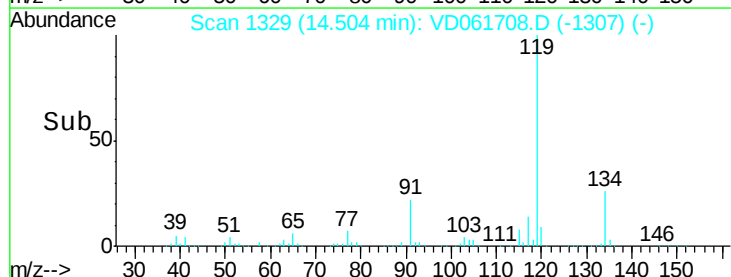
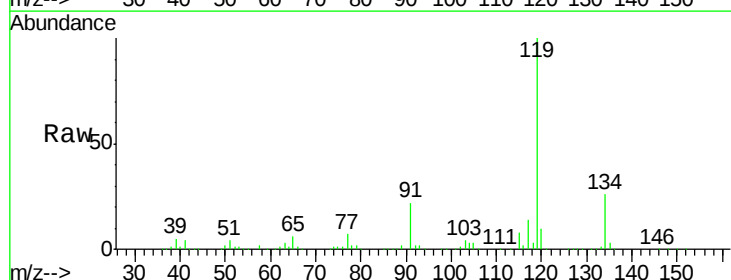
Manual Integrations
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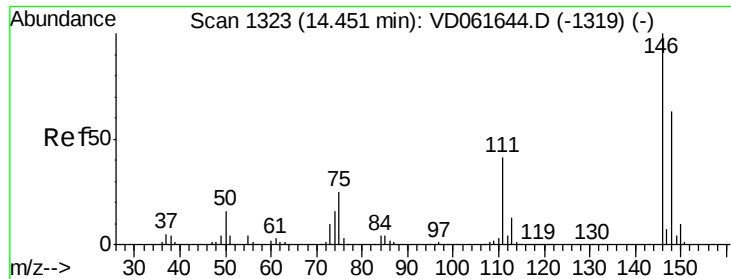
MMDadoda
 4/11/2019 11:45:45 AM



#86
 p-Isopropyltoluene
 Concen: 49.864 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.01 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion:119 Resp: 1307856
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.5 37.5
 91 22.3 11.0 33.0





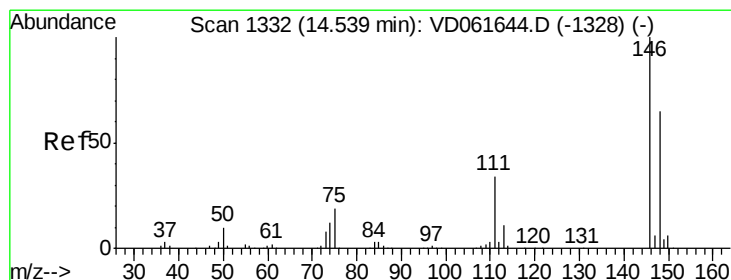
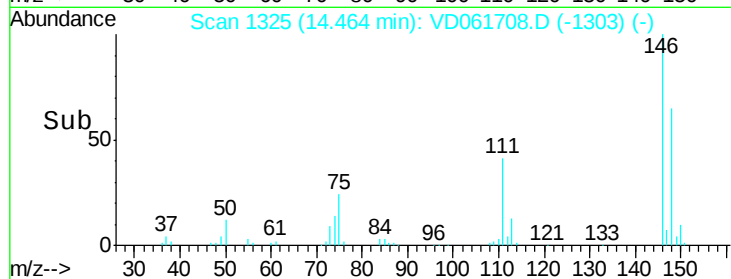
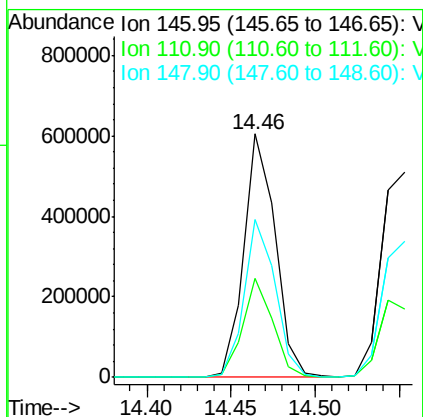
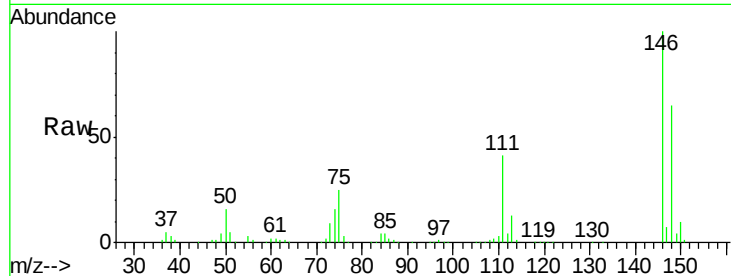
#87
 1,3-Dichlorobenzene
 Concen: 53.669 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	61.0
148	64.7	31.7	95.1

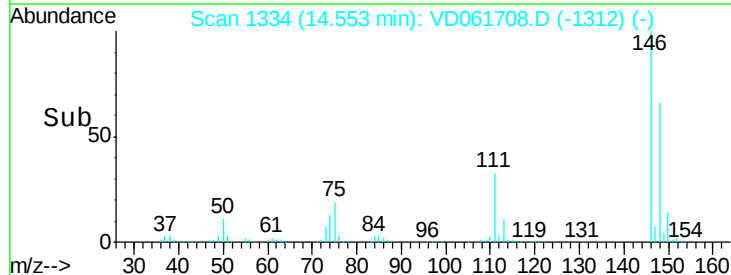
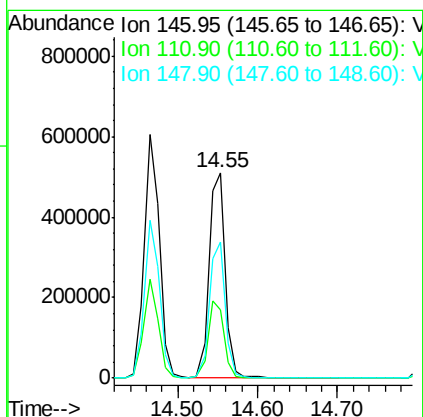
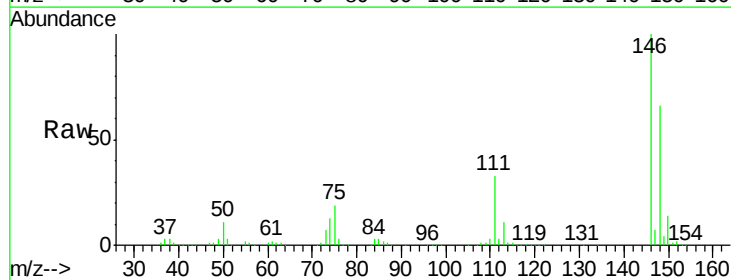
Manual Integrations
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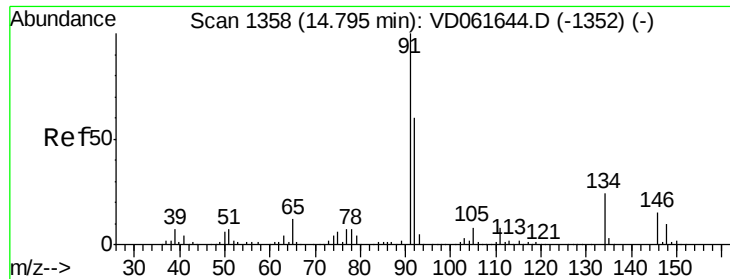
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#88
 1,4-Dichlorobenzene
 Concen: 48.984 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.0	17.1	51.2
148	66.3	32.6	97.7





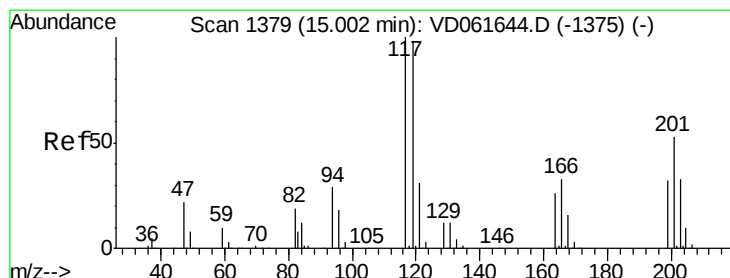
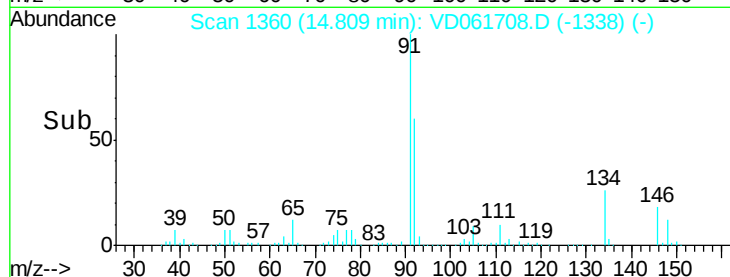
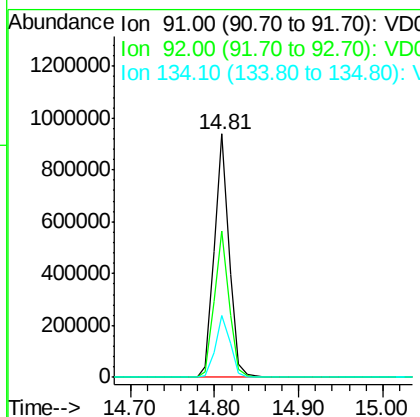
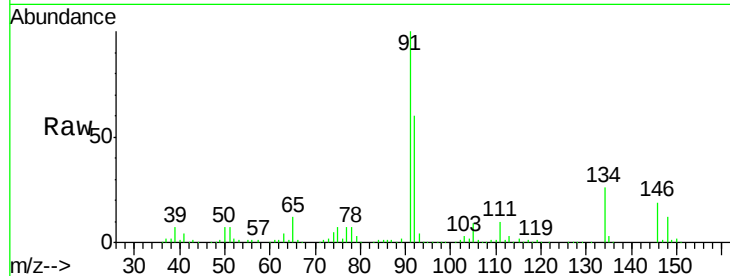
#89
n-Butylbenzene
Concen: 50.100 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1142156
Ion Ratio Lower Upper
91 100
92 59.9 29.8 89.4
134 25.6 12.2 36.4

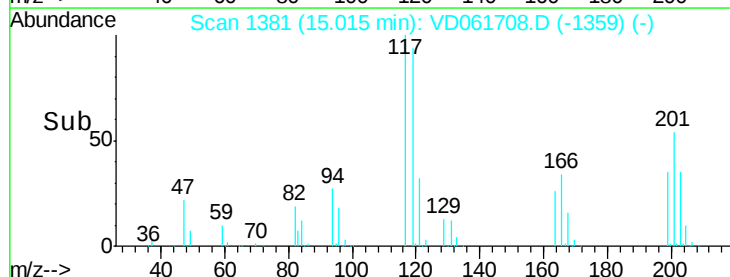
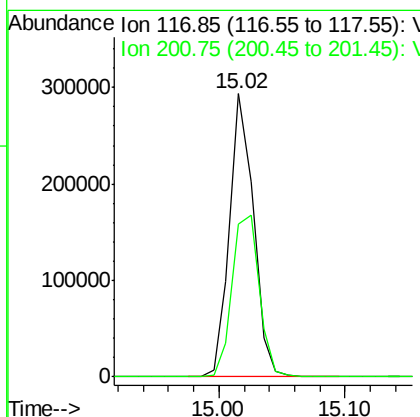
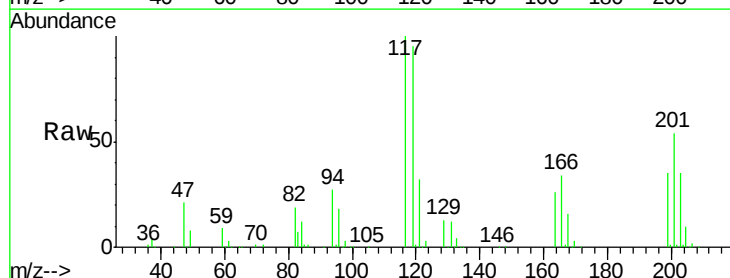
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#90
Hexachloroethane
Concen: 54.064 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion: 117 Resp: 384764
Ion Ratio Lower Upper
117 100
201 53.9 26.3 78.8





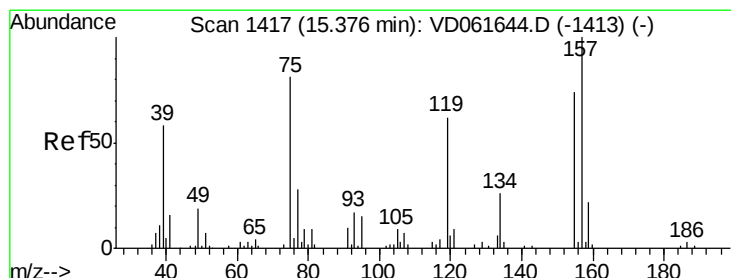
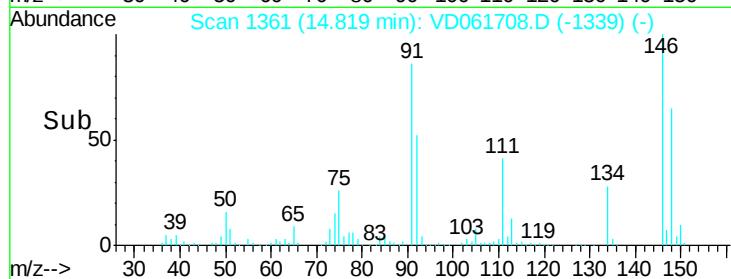
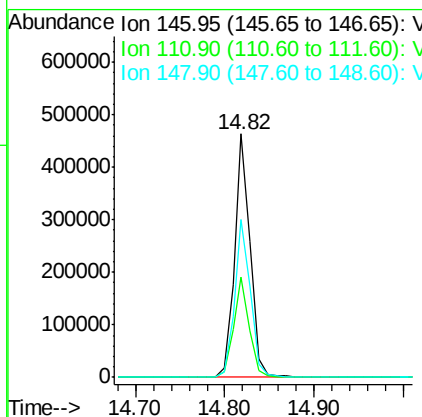
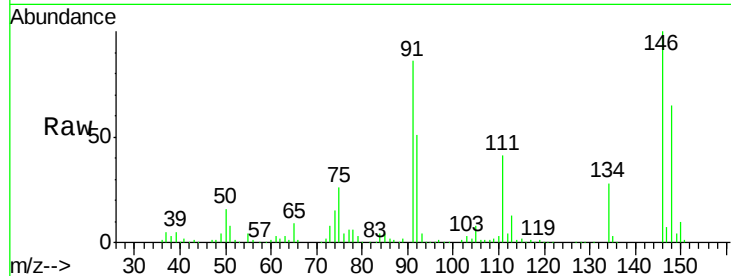
#91
 1,2-Dichlorobenzene
 Concen: 47.284 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.1	63.3
148	64.7	31.7	95.1

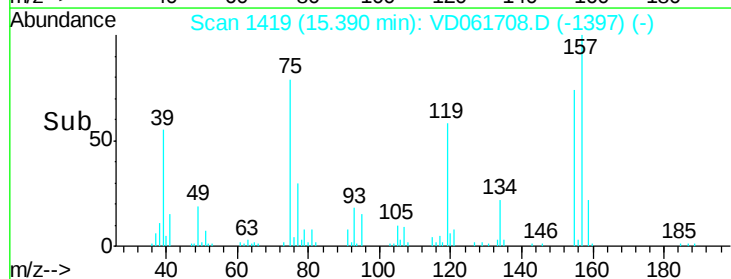
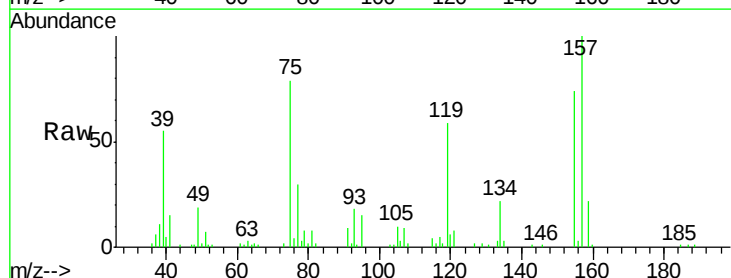
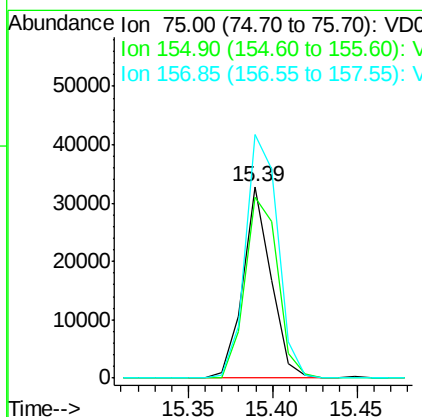
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.777 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.4	45.6	136.7
157	127.2	61.4	184.2





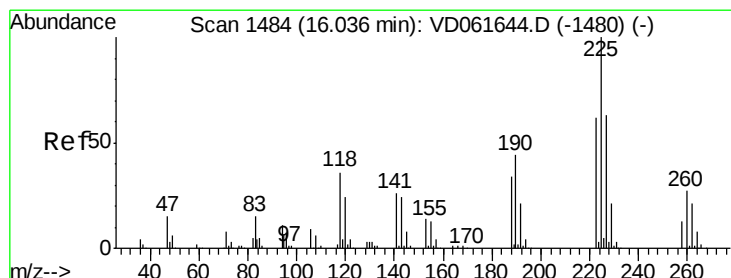
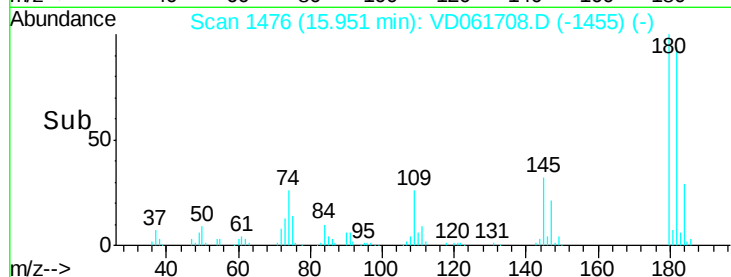
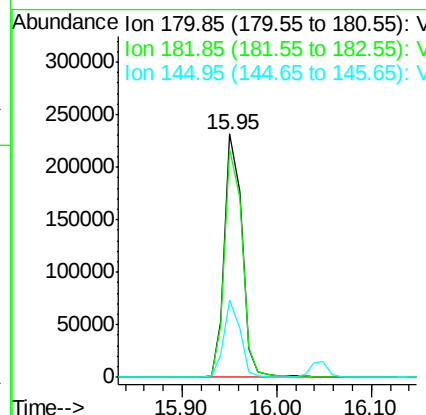
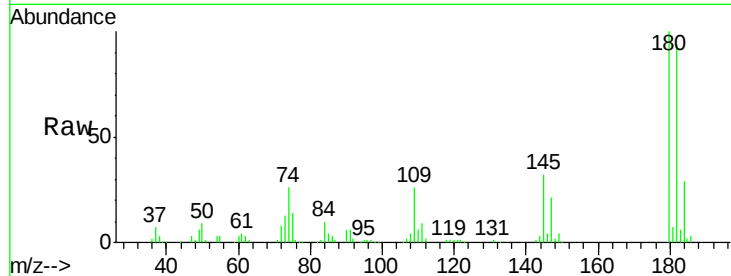
#93
 1,2,4-Trichlorobenzene
 Concen: 48.756 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	299052		
182	93.7	47.8	143.3	
145	32.0	13.3	39.8	

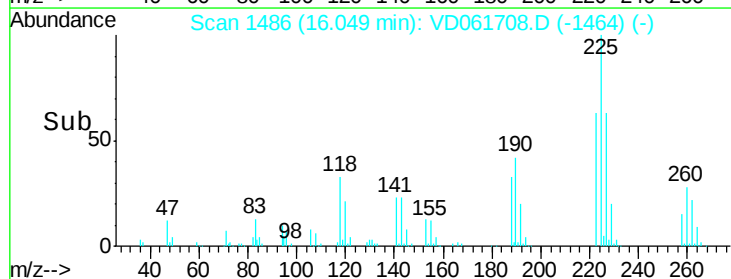
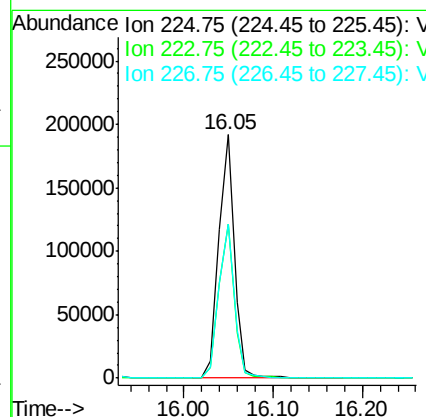
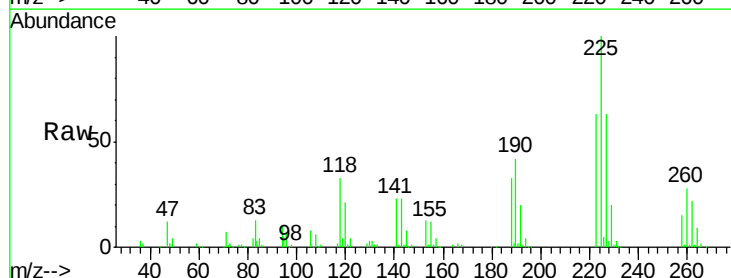
Manual Integrations
 APPROVED

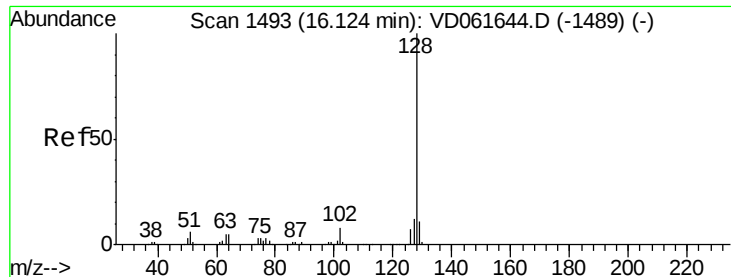
MMDadoda
 4/11/2019 11:45:45 AM



#94
 Hexachlorobutadiene
 Concen: 49.657 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	235183		
223	63.5	30.8	92.3	
227	63.2	31.5	94.5	





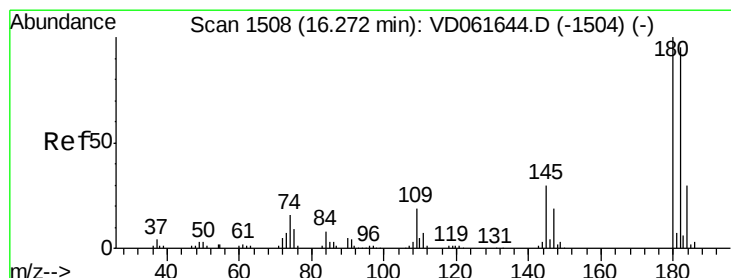
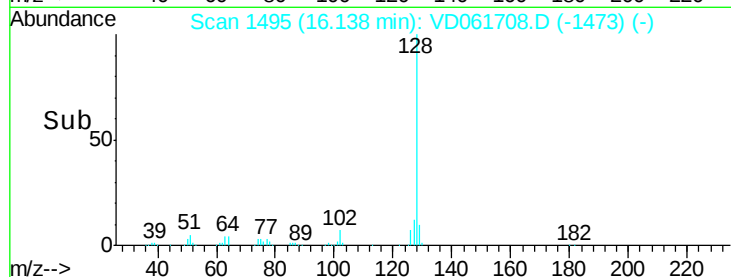
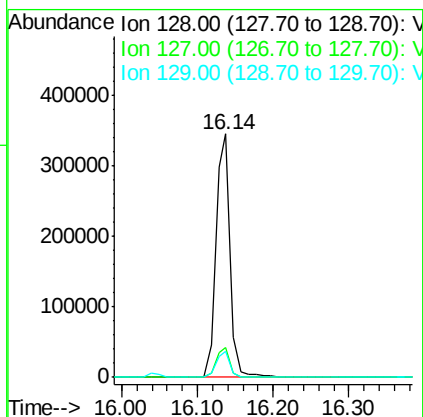
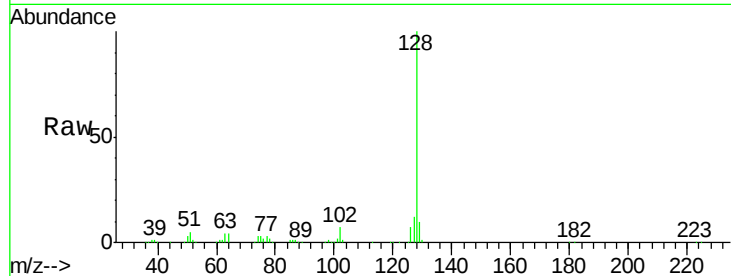
#95
Naphthalene
Concen: 47.190 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	457992		
127	12.3		9.4	14.2
129	10.5		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/11/2019 11:45:45 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.440 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	142163		
182	98.0		47.3	142.0
145	36.1		15.1	45.3

