

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063121.D
 Acq On : 17 Jul 2019 10:15
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/18/2019 10:01:25 AM

Quant Time: Jul 18 07:03:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	689449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	916375	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	811502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	418858	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	405671	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	
35) Dibromofluoromethane	6.92	113	450967	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
50) Toluene-d8	10.40	98	931093	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
62) 4-Bromofluorobenzene	13.55	95	446639	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	362830	49.447	ug/l	97
3) Chloromethane	1.74	50	314424	50.410	ug/l #	87
4) Vinyl Chloride	1.84	62	323177	43.920	ug/l	97
5) Bromomethane	2.14	94	145308	51.928	ug/l	92
6) Chloroethane	2.26	64	161674	47.300	ug/l #	87
7) Trichlorofluoromethane	2.52	101	678901	45.576	ug/l	96
8) Diethyl Ether	2.86	74	106355	50.757	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.14	101	385374	44.867	ug/l	98
10) Methyl Iodide	3.29	142	494757	46.920	ug/l	98
11) Tert butyl alcohol	4.07	59	124284	250.751	ug/l	96
12) 1,1-Dichloroethene	3.11	96	282055	46.244	ug/l	95
13) Acrolein	3.02	56	23823	159.251	ug/l	99
14) Allyl chloride	3.61	41	494873	51.625	ug/l	98
15) Acrylonitrile	4.19	53	290227	264.894	ug/l	98
16) Acetone	3.22	43	562565	271.201	ug/l	98
17) Carbon Disulfide	3.36	76	756850	43.352	ug/l	95
18) Methyl Acetate	3.63	43	155673	56.160	ug/l #	92
19) Methyl tert-butyl Ether	4.23	73	788562	51.216	ug/l	99
20) Methylene Chloride	3.80	84	335876	42.859	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	338989	50.066	ug/l	97
22) Diisopropyl ether	5.12	45	1108405	53.182	ug/l	97
23) Vinyl Acetate	5.05	43	3456571	284.273	ug/l	98
24) 1,1-Dichloroethane	4.97	63	646391	50.349	ug/l	98
25) 2-Butanone	6.06	43	508030	256.472	ug/l	97
26) 2,2-Dichloropropane	6.01	77	651258	45.836	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	363168	47.151	ug/l	90
28) Bromochloromethane	6.43	49	224561	48.214	ug/l	99
29) Tetrahydrofuran	6.46	42	226468	252.212	ug/l	96
30) Chloroform	6.65	83	791820	50.080	ug/l	95
31) Cyclohexane	6.95	56	401852	49.150	ug/l	95
32) 1,1,1-Trichloroethane	6.87	97	753212	48.310	ug/l	98
36) 1,1-Dichloropropene	7.14	75	489458	47.491	ug/l	92
37) Ethyl Acetate	6.17	43	229982	52.140	ug/l	97
38) Carbon Tetrachloride	7.11	117	732960m	46.803	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	400889	44.992	ug/l	95
40) Benzene	7.45	78	1063195	49.255	ug/l	100
41) Methacrylonitrile	6.45	41	303639	50.776	ug/l #	85
42) 1,2-Dichloroethane	7.57	62	554602	48.226	ug/l	98
43) Isopropyl Acetate	9.23	43	320328	50.667	ug/l #	98
44) Trichloroethene	8.53	130	421177	50.488	ug/l	100
45) 1,2-Dichloropropane	8.94	63	279071	51.855	ug/l	98
46) Dibromomethane	9.05	93	232222	50.214	ug/l	93
47) Bromodichloromethane	9.37	83	606353	50.244	ug/l #	94
48) Methyl methacrylate	9.11	41	205495	49.495	ug/l	95
49) 1,4-Dioxane	9.07	88	41951	1171.615	ug/l #	82
51) 4-Methyl-2-Pentanone	10.30	43	1167688	278.466	ug/l	99
52) Toluene	10.50	92	714285	49.554	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	501005	48.456	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	551005	51.540	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	275595	55.326	ug/l	94
56) Ethyl methacrylate	11.03	69	297285	53.414	ug/l	98
57) 1,3-Dichloropropane	11.41	76	401297	52.943	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	884476	285.409	ug/l	99
59) 2-Hexanone	11.53	43	922928	285.392	ug/l	97
60) Dibromochloromethane	11.68	129	488838	51.195	ug/l	98
61) 1,2-Dibromoethane	11.80	107	313341	52.551	ug/l	97
64) Tetrachloroethene	11.25	164	363375	46.147	ug/l	98
65) Chlorobenzene	12.39	112	916774	48.059	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	437829	49.504	ug/l	95
67) Ethyl Benzene	12.52	91	1596854	48.178	ug/l	99
68) m/p-Xylenes	12.67	106	1136222	95.709	ug/l	98
69) o-Xylene	13.04	106	543136	48.249	ug/l	94
70) Styrene	13.07	104	947683	48.096	ug/l	98
71) Bromoform	13.23	173	312542	50.476	ug/l	97
73) Isopropylbenzene	13.40	105	1612769	49.858	ug/l	96
74) N-amyl acetate	13.26	43	435073	48.227	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	295956	50.287	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	312935	48.568	ug/l	100
77) Bromobenzene	13.66	156	473554	51.624	ug/l	78
78) n-propylbenzene	13.77	91	1870570	50.251	ug/l	98
79) 2-Chlorotoluene	13.84	91	1061771	47.175	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	1333292	47.293	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	89486	52.740	ug/l	92
82) 4-Chlorotoluene	13.95	91	1310391	49.859	ug/l	98
83) tert-Butylbenzene	14.18	119	1552498	48.703	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	1390898	49.487	ug/l	95
85) sec-Butylbenzene	14.36	105	1684844	49.746	ug/l	93
86) p-Isopropyltoluene	14.49	119	1370138	43.365	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	806389	49.225	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	775710	49.392	ug/l	99
89) n-Butylbenzene	14.79	91	1437092	49.348	ug/l	99
90) Hexachloroethane	15.00	117	417100	49.382	ug/l	73
91) 1,2-Dichlorobenzene	14.80	146	737260	50.541	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	59224	52.499	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	535605	48.872	ug/l	99
94) Hexachlorobutadiene	16.03	225	393087	48.662	ug/l	99
95) Naphthalene	16.12	128	801391	49.990	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	391482	44.405	ug/l	99

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

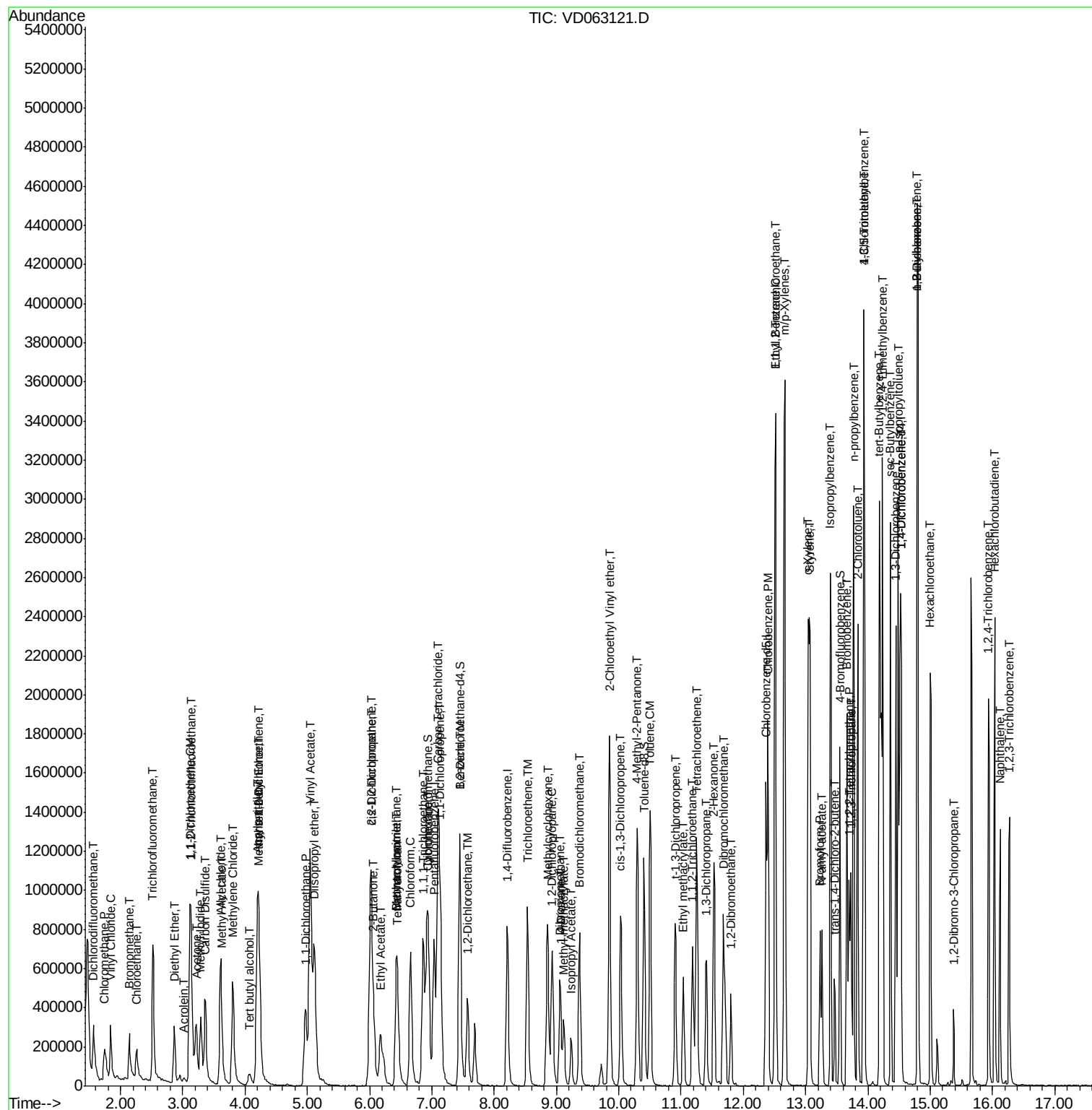
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
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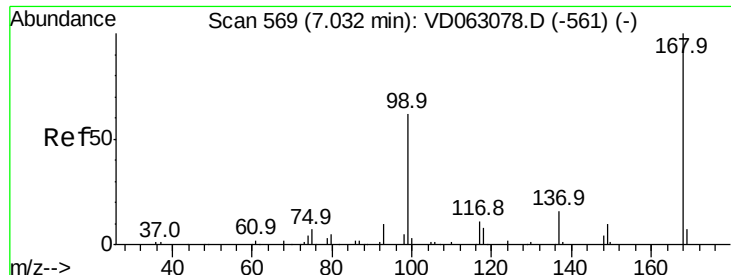
Instrument :
MSVOA_D
Client Sampled :
VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion:168 Resp: 689449

Ion Ratio Lower Upper

168 100

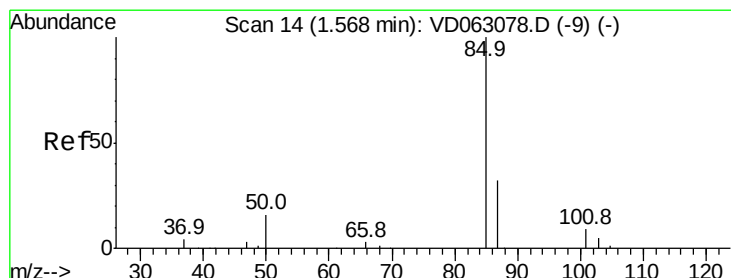
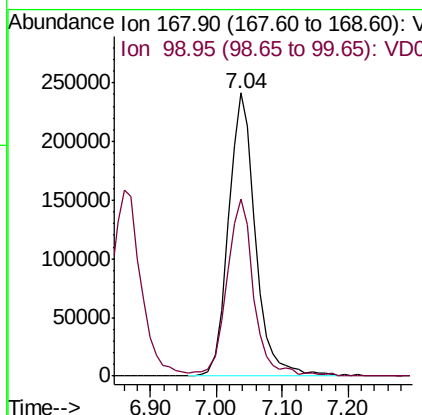
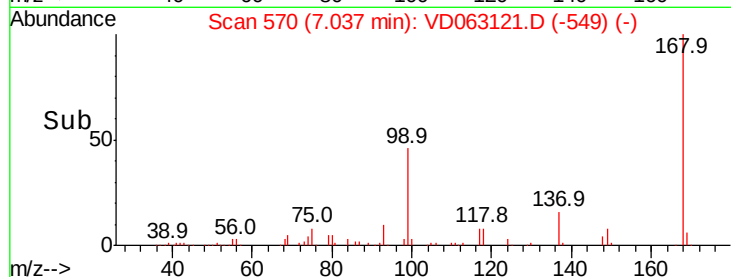
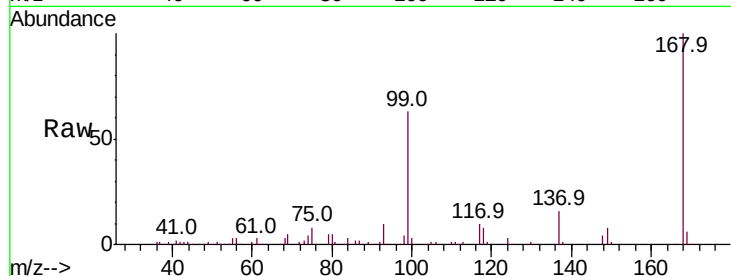
99 62.5 50.8 76.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 49.447 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063121.D

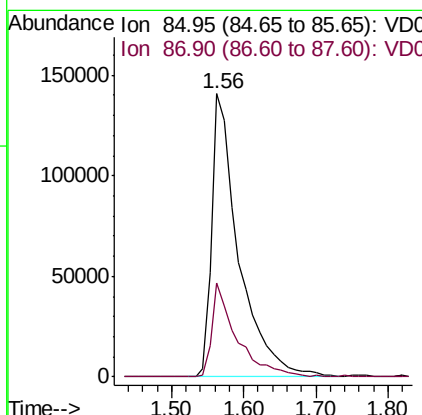
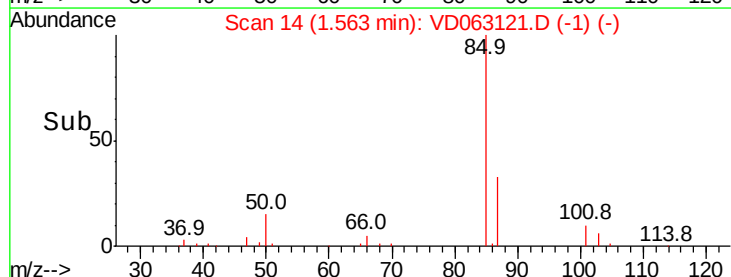
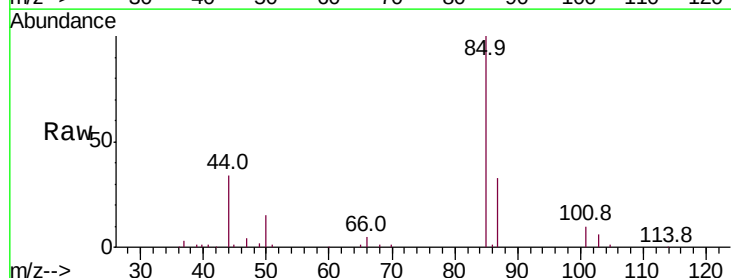
Acq: 17 Jul 2019 10:15

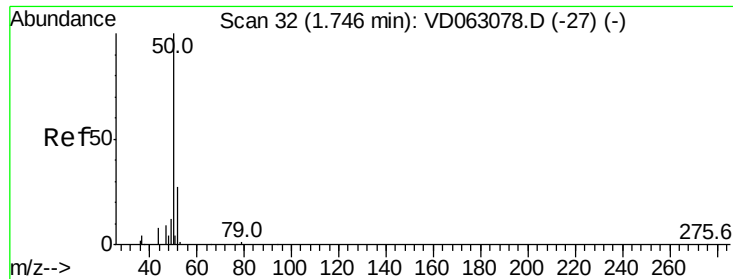
Tgt Ion: 85 Resp: 362830

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.7





#3

Chloromethane

Concen: 50.410 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 314424

Ion Ratio Lower Upper

50 100

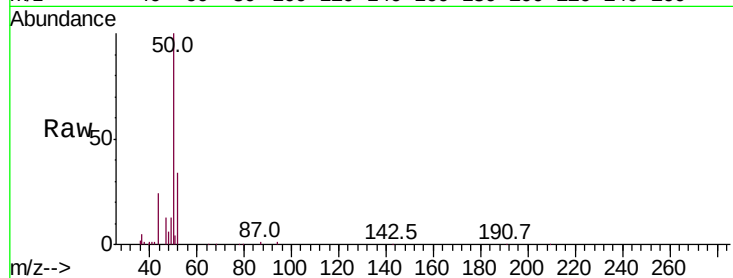
52 33.6 21.4 32.2#

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

100000

80000

60000

40000

20000

0

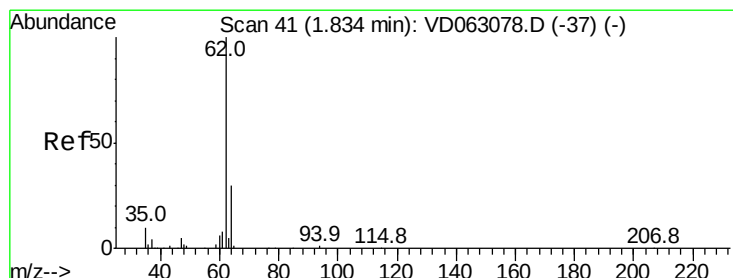
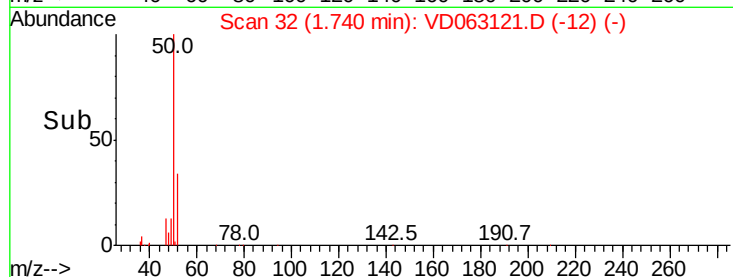
1.60

1.70

1.80

1.90

Time-->



#4

Vinyl Chloride

Concen: 43.920 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063121.D

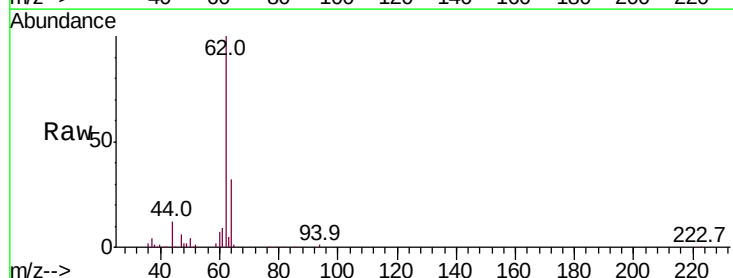
Acq: 17 Jul 2019 10:15

Tgt Ion: 62 Resp: 323177

Ion Ratio Lower Upper

62 100

64 32.2 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

150000

100000

50000

0

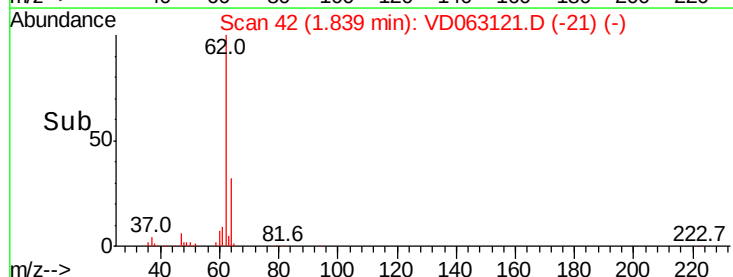
1.70

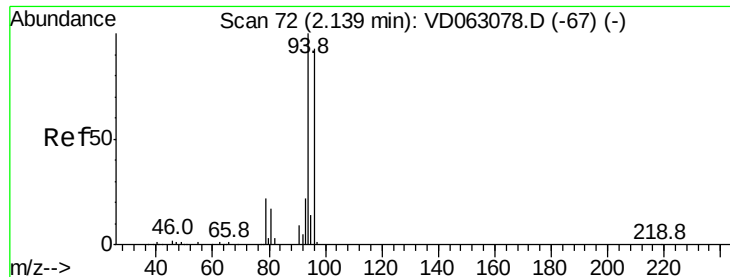
1.80

1.90

2.00

Time-->





#5

Bromomethane

Concen: 51.928 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

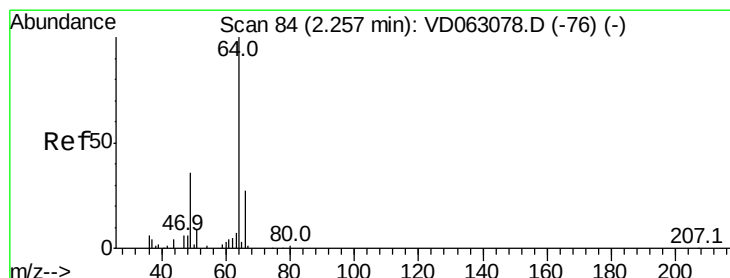
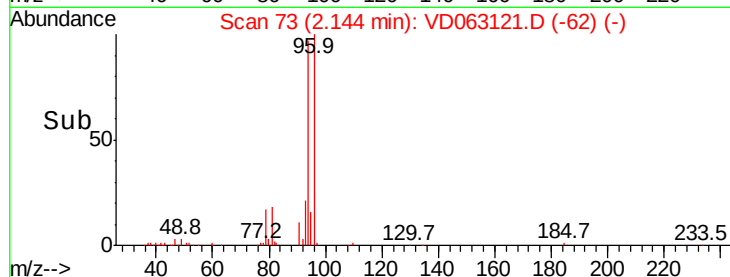
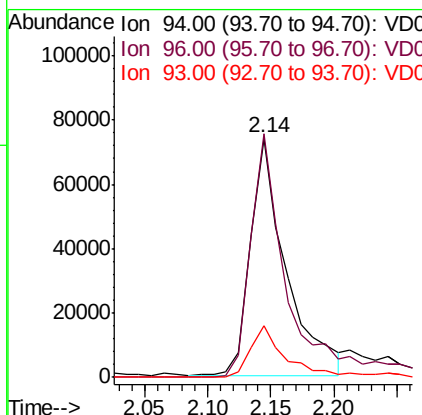
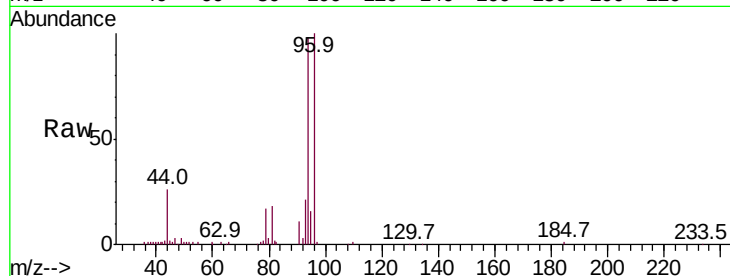
ClientSampleId :

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Tot Ion:	94	Resp:	145308
Ion	Ratio	Lower	Upper
94	100		
96	101.8	74.2	111.2
93	21.9	17.8	26.6

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#6

Chloroethane

Concen: 47.300 ug/l

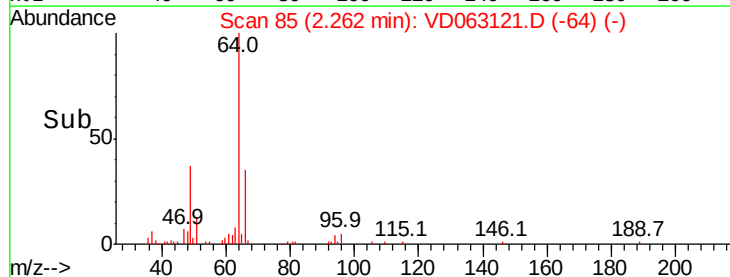
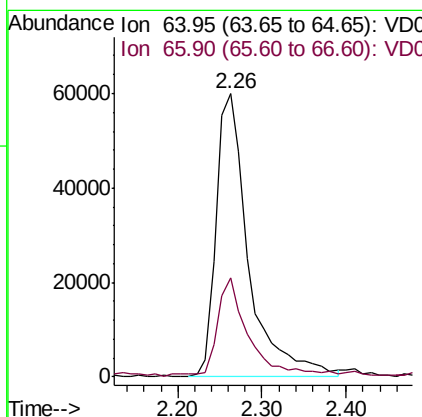
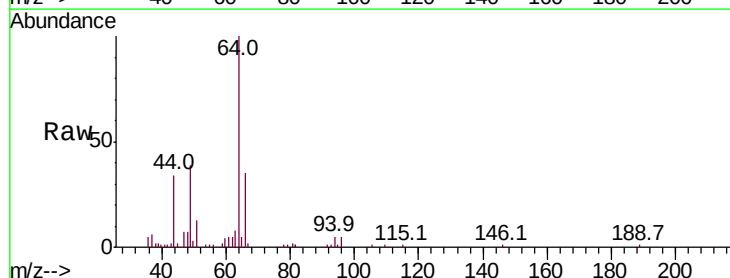
RT: 2.26 min Scan# 85

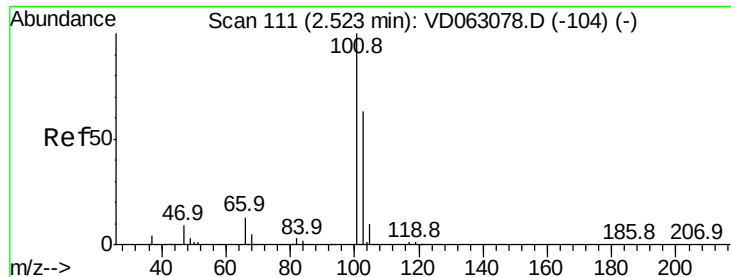
Delta R.T. 0.00 min

Lab File: VD063121.D

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Tgt Ion:	64	Resp:	161674
Ion	Ratio	Lower	Upper
64	100		
66	35.1	22.5	33.7#





#7

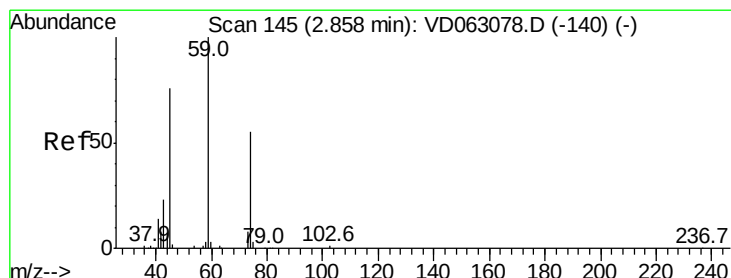
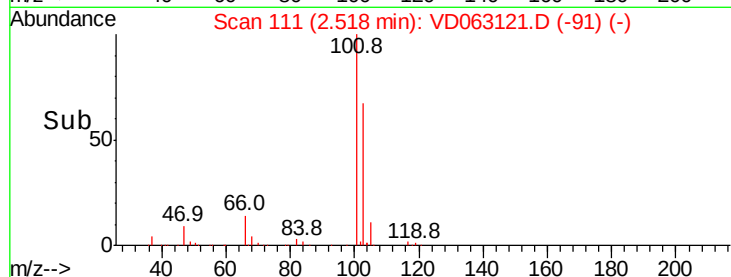
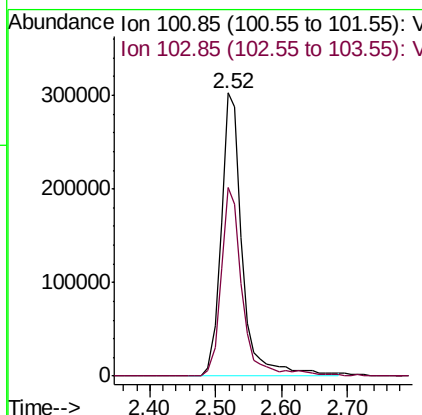
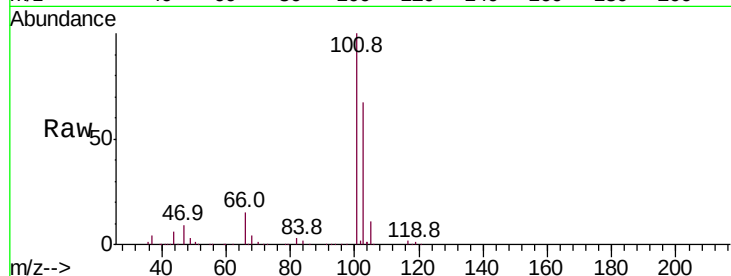
Trichlorofluoromethane
Concen: 45.576 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD063121.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	50.6	76.0

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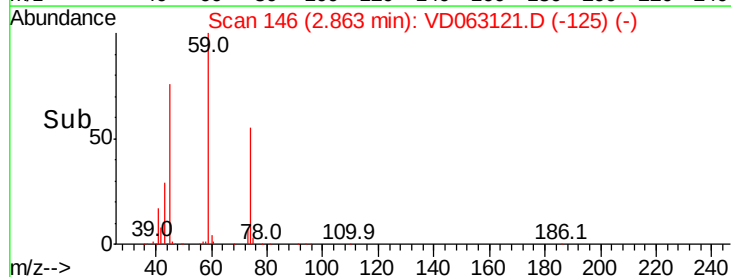
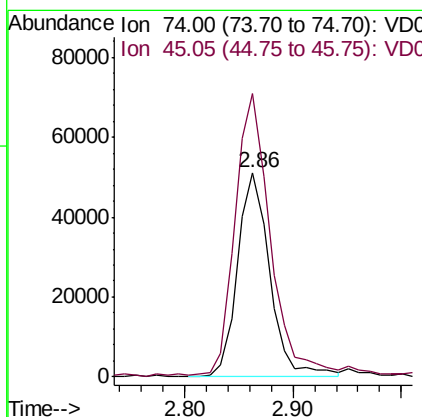
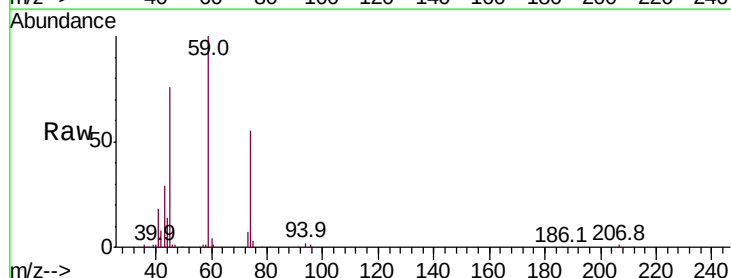
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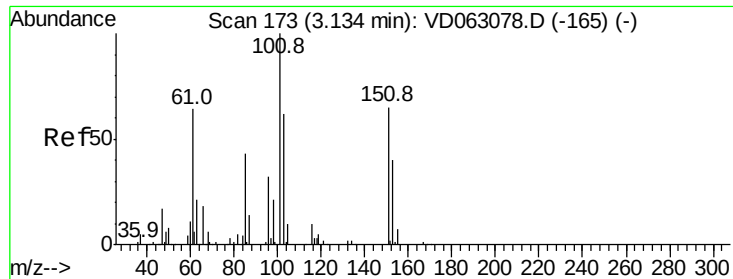


#8

Diethyl Ether
Concen: 50.757 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD063121.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	138.7	69.5	208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.867 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

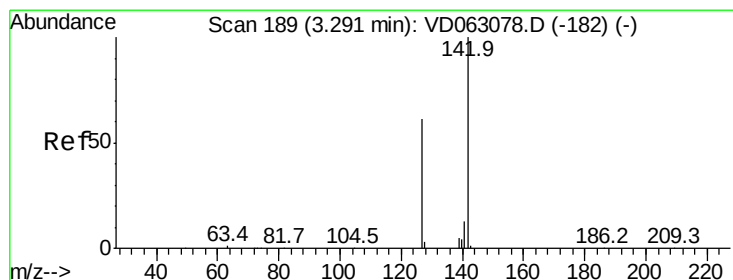
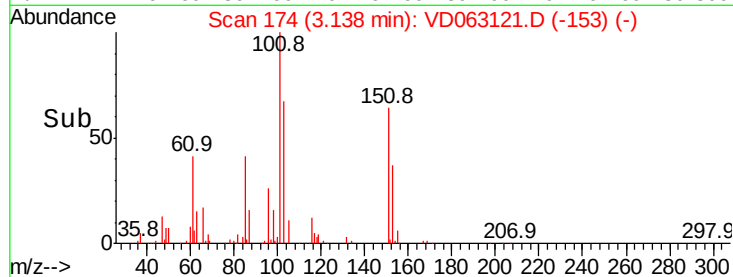
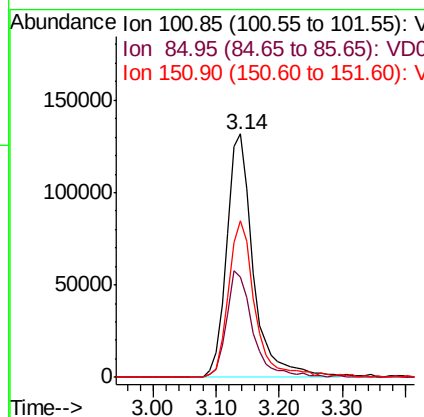
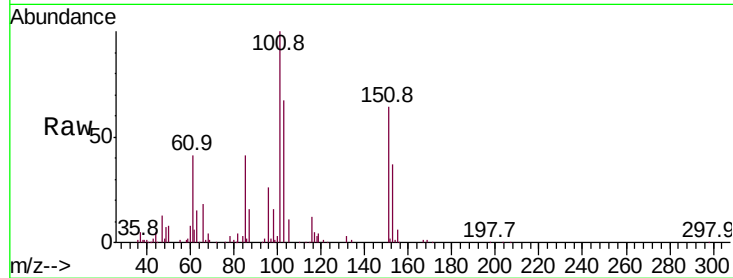
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	385374
Ion Ratio	Lower	Upper	
101	100		
85	41.4	34.6	51.8
151	64.5	52.4	78.6

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#10

Methyl Iodide

Concen: 46.920 ug/l

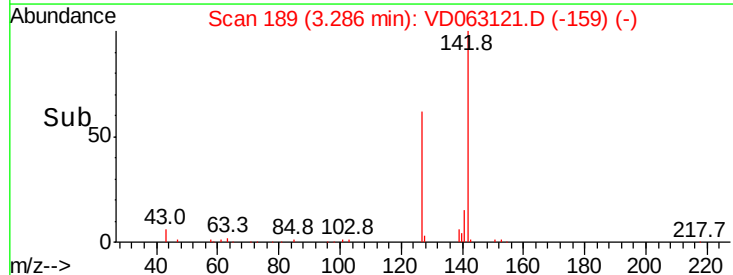
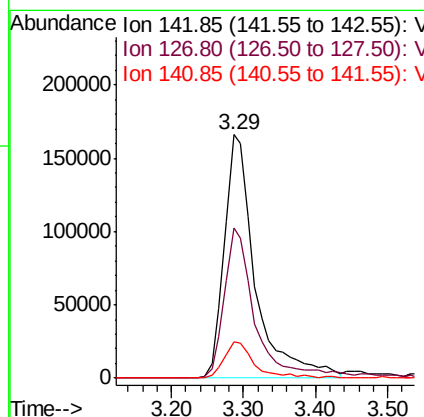
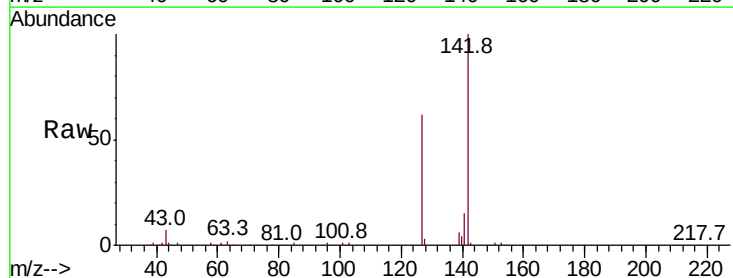
RT: 3.29 min Scan# 189

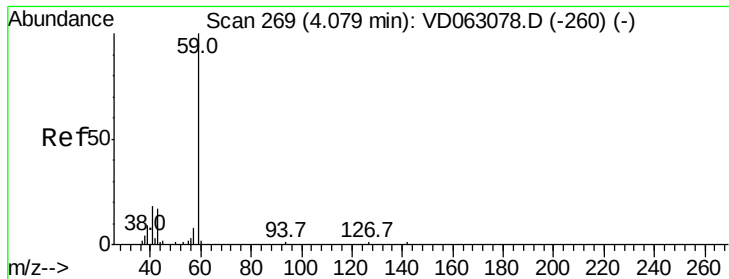
Delta R.T. -0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Tgt Ion:	142	Resp:	494757
Ion Ratio	Lower	Upper	
142	100		
127	61.6	48.6	73.0
141	15.1	10.6	16.0





#11

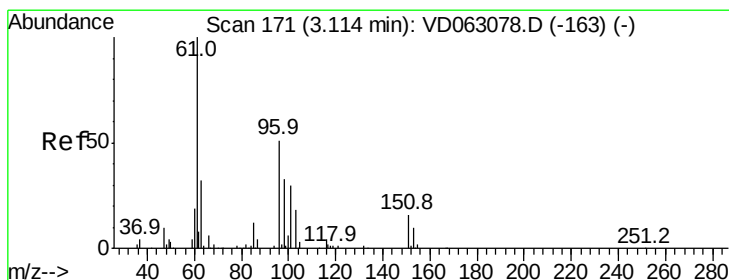
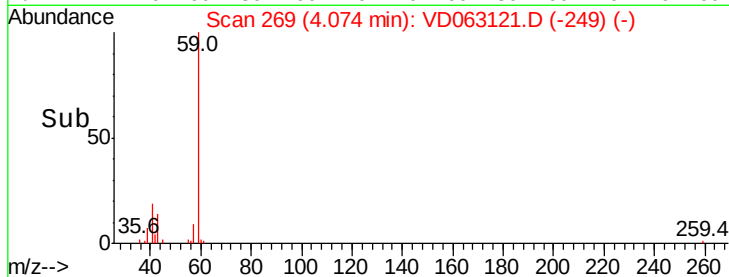
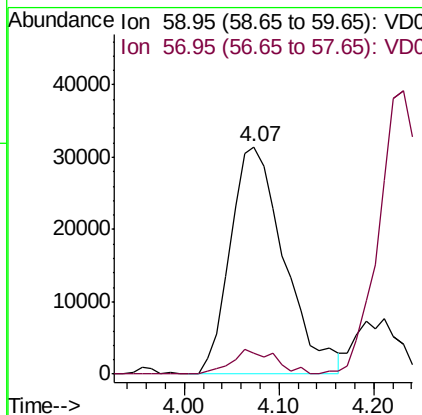
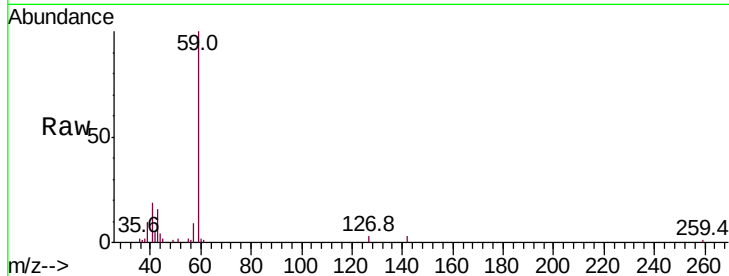
Tert butyl alcohol
 Concen: 250.751 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. -0.01 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	6.4	9.6

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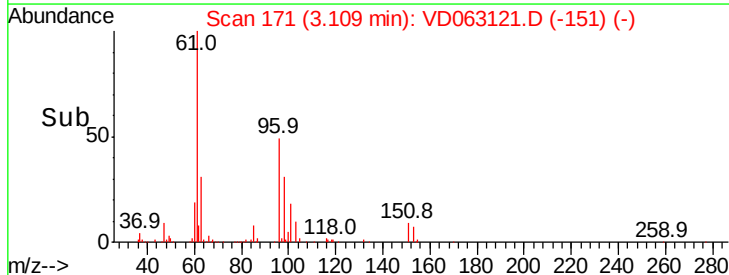
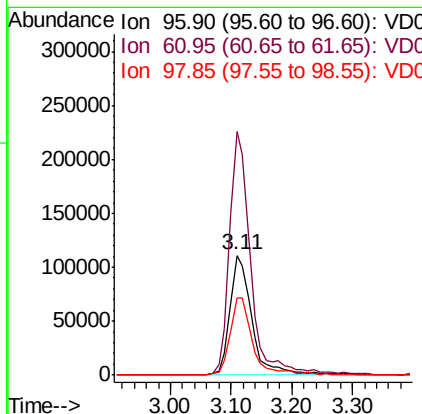
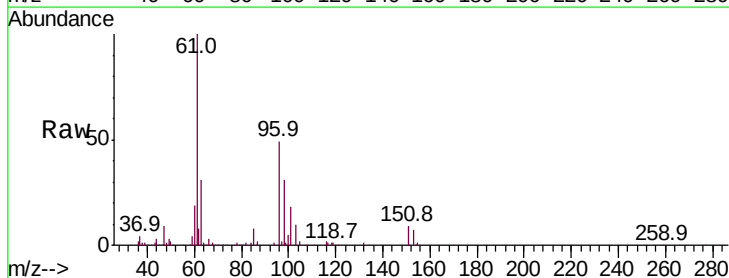
MMDadoda
 7/18/2019 10:01:25 AM

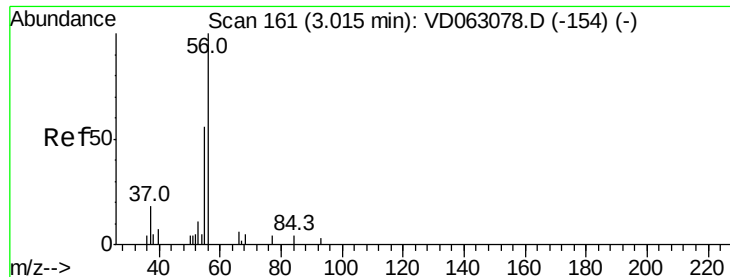


#12

1,1-Dichloroethene
 Concen: 46.244 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.01 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	203.1	155.5	233.3
98	63.9	51.5	77.3





#13

Acrolein

Concen: 159.251 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 23823

Ion Ratio Lower Upper

56 100

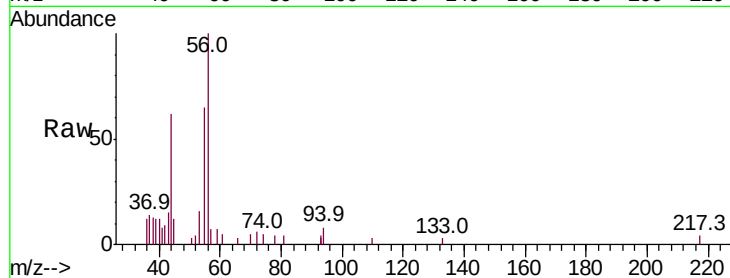
55 65.5 53.0 79.4

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

4000

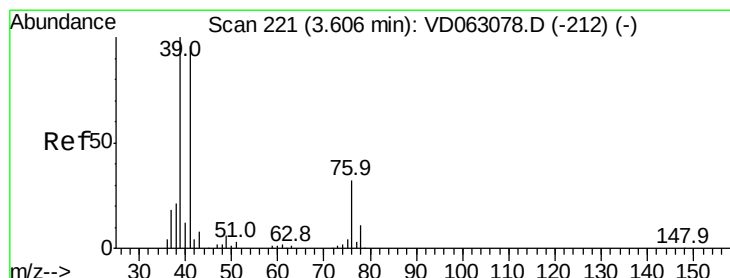
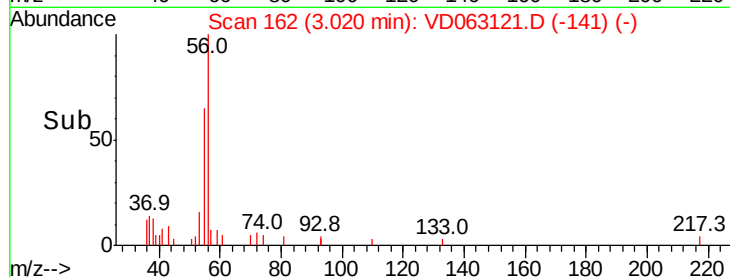
2000

0

Time-->

2.90 3.00 3.10

3.02



#14

Allyl chloride

Concen: 51.625 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

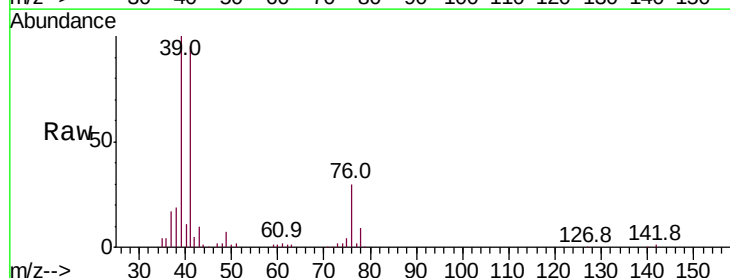
Tgt Ion: 41 Resp: 494873

Ion Ratio Lower Upper

41 100

39 105.5 83.5 125.3

76 32.0 27.8 41.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

250000

200000

150000

100000

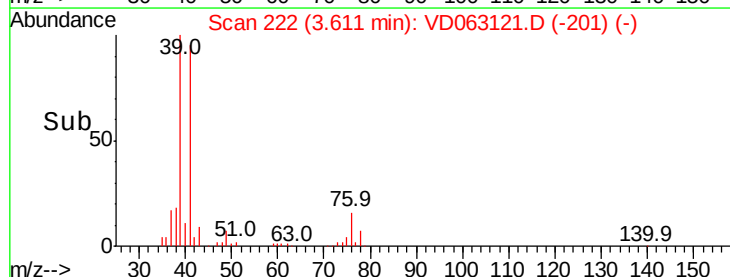
50000

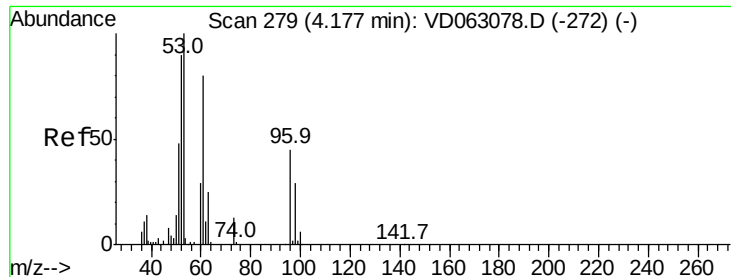
0

Time-->

3.50 3.60 3.70 3.80

3.61





#15

Acrylonitrile

Concen: 264.894 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

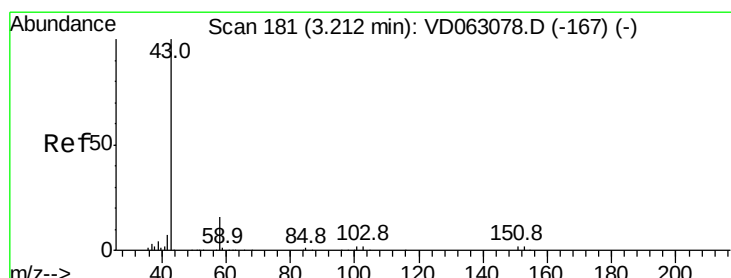
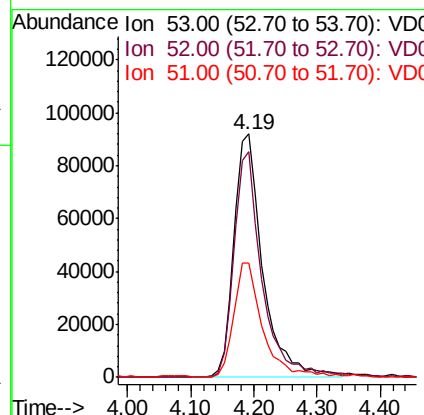
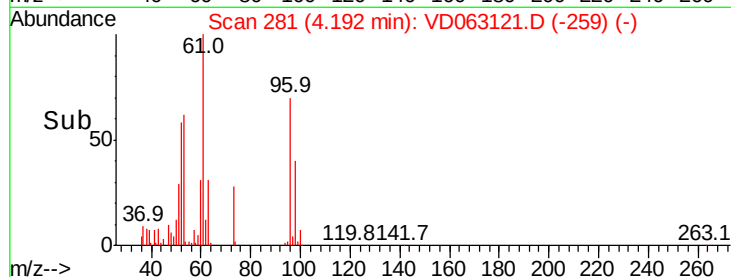
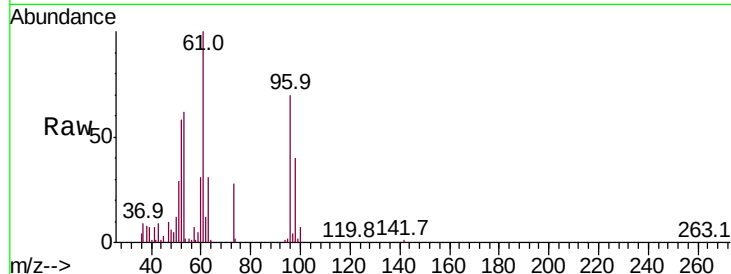
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	290227
Ion Ratio	Lower	Upper	
53	100		
52	92.7	72.3	108.5
51	47.0	38.0	57.0

Manual Integrations
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#16

Acetone

Concen: 271.201 ug/l

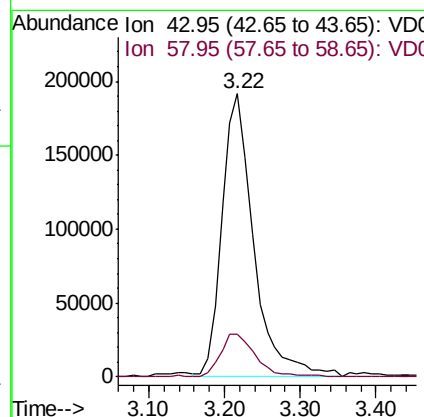
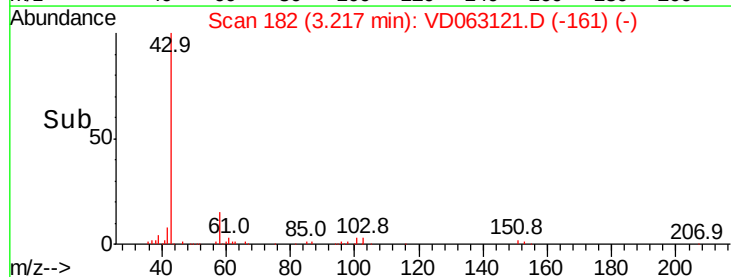
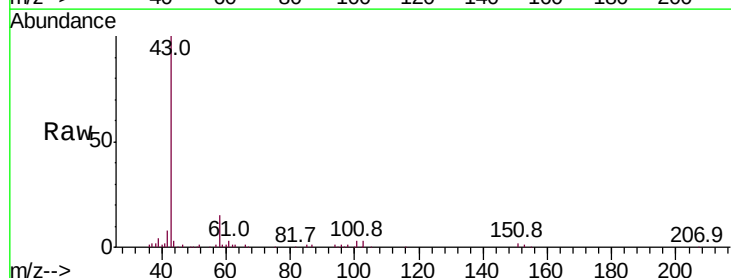
RT: 3.22 min Scan# 182

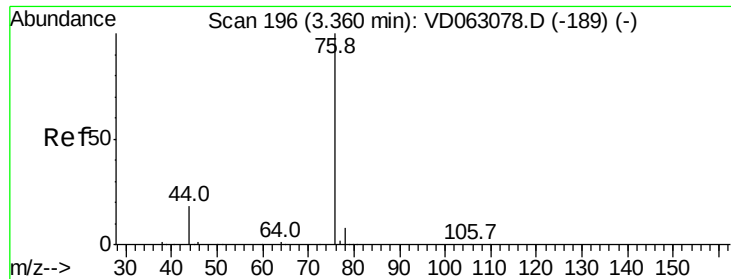
Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Tgt Ion:	43	Resp:	562565
Ion Ratio	Lower	Upper	
43	100		
58	15.2	13.0	19.4





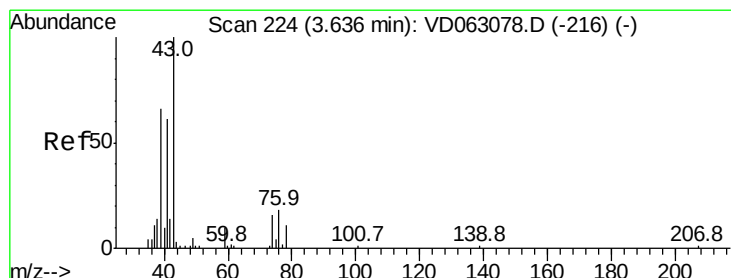
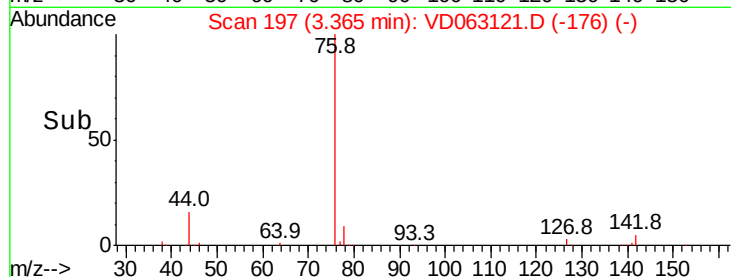
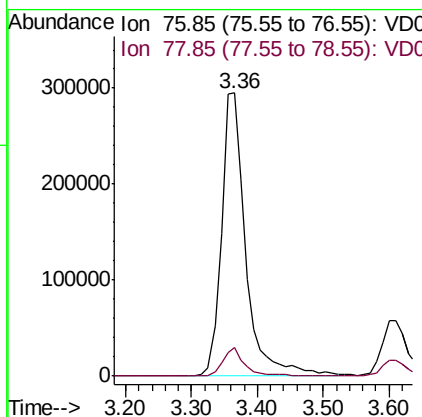
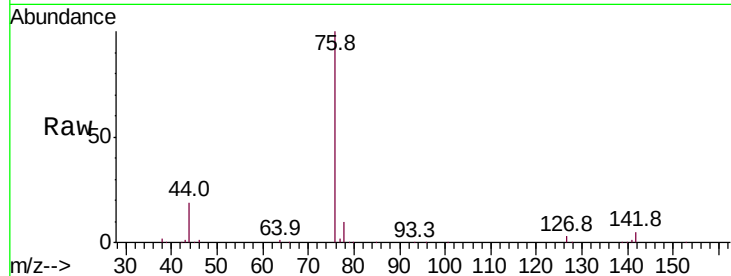
#17
Carbon Disulfide
Concen: 43.352 ug/l
RT: 3.36 min Scan# 197
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 756850
Ion Ratio Lower Upper
76 100
78 10.0 6.7 10.1

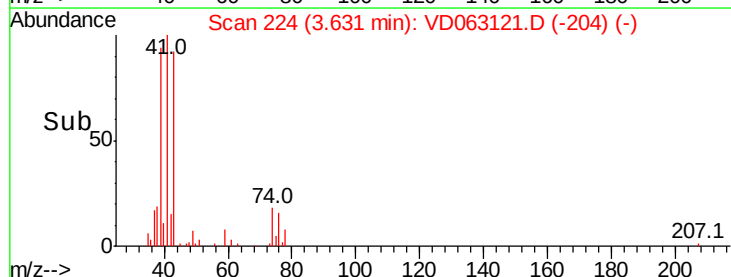
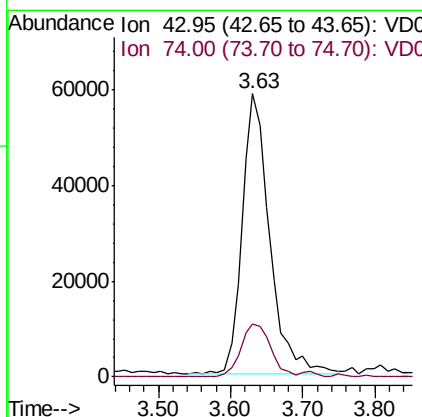
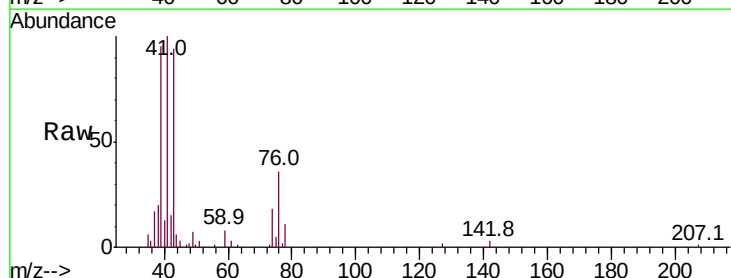
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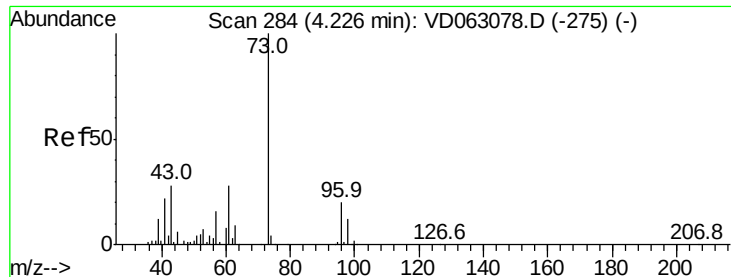
MMDadoda
7/18/2019 10:01:25 AM



#18
Methyl Acetate
Concen: 56.160 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 43 Resp: 155673
Ion Ratio Lower Upper
43 100
74 18.8 12.5 18.7#





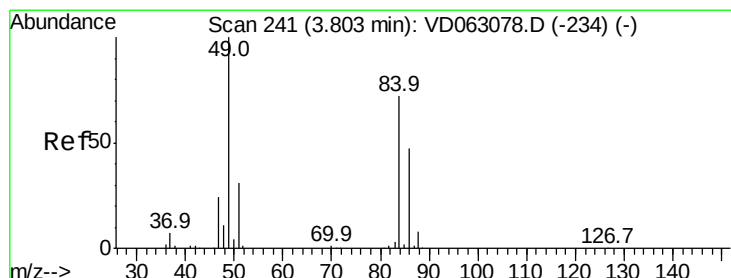
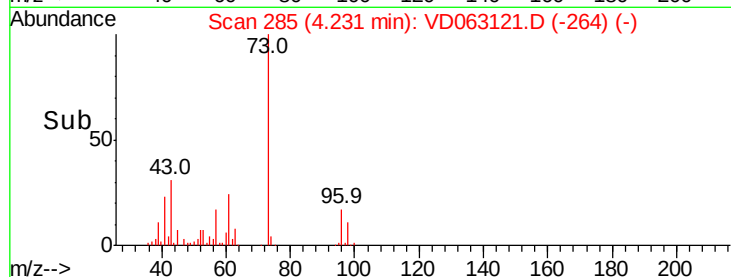
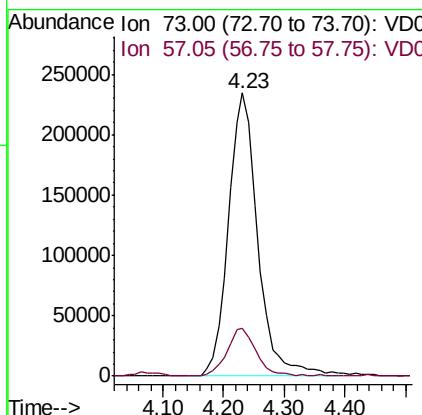
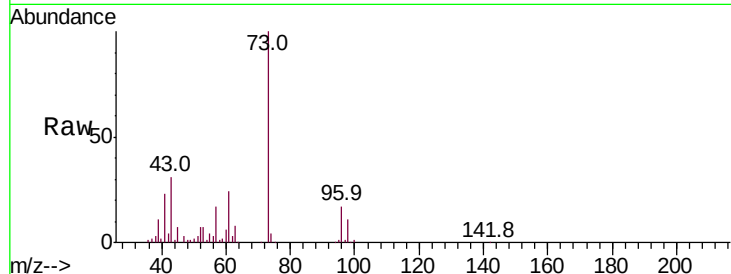
#19
Methyl tert-butyl Ether
Concen: 51.216 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 788562
Ion Ratio Lower Upper
73 100
57 16.7 13.1 19.7

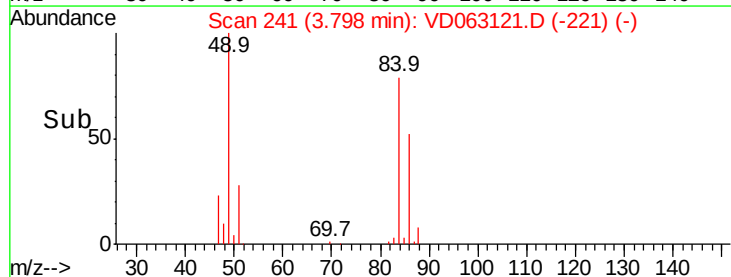
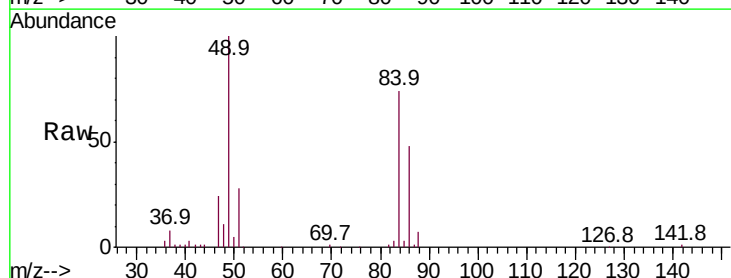
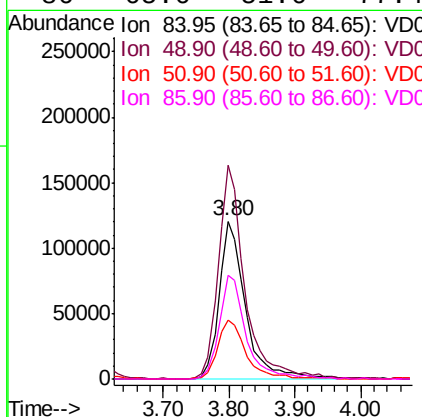
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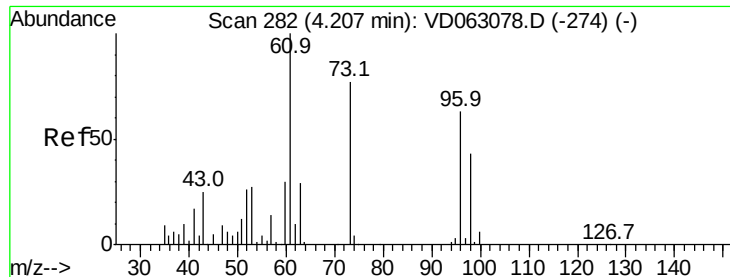
MMDadoda
7/18/2019 10:01:25 AM



#20
Methylene Chloride
Concen: 42.859 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 84 Resp: 335876
Ion Ratio Lower Upper
84 100
49 135.6 110.5 165.7
51 37.4 34.6 51.8
86 65.6 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 50.066 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 338989

Ion Ratio Lower Upper

96 100

61 155.1 128.0 192.0

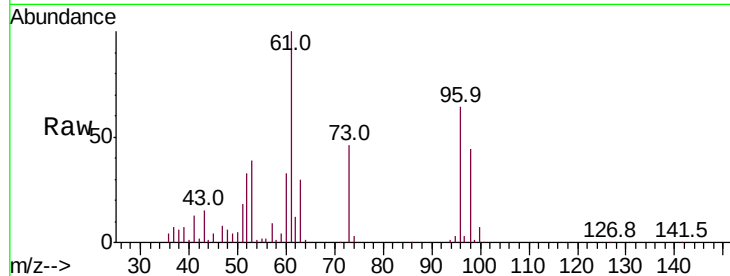
98 68.9 55.2 82.8

Manual Integrations

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MMDadoda

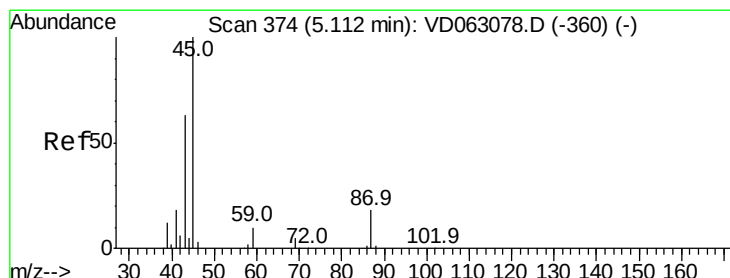
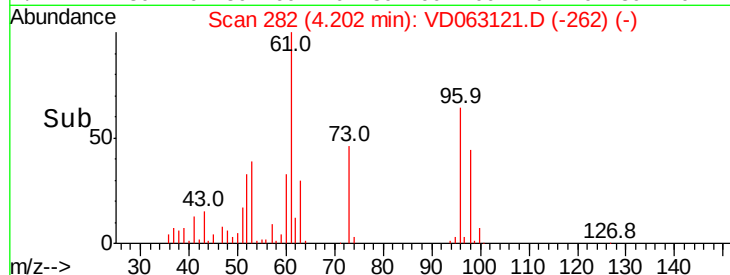
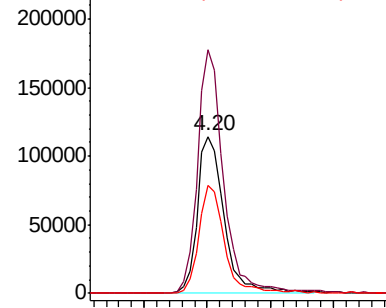
7/18/2019 10:01:25 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 53.182 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Tgt Ion: 45 Resp: 1108405

Ion Ratio Lower Upper

45 100

43 60.3 50.5 75.7

87 19.0 15.1 22.7

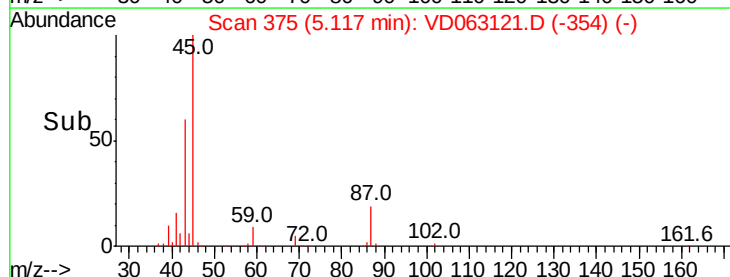
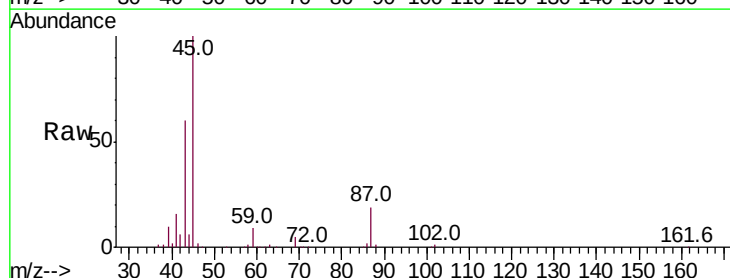
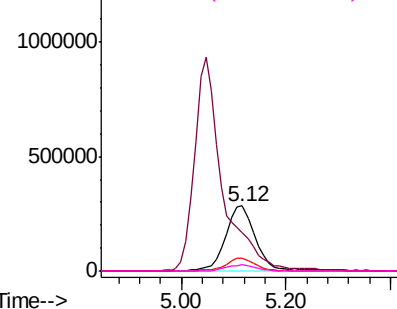
59 9.1 7.6 11.4

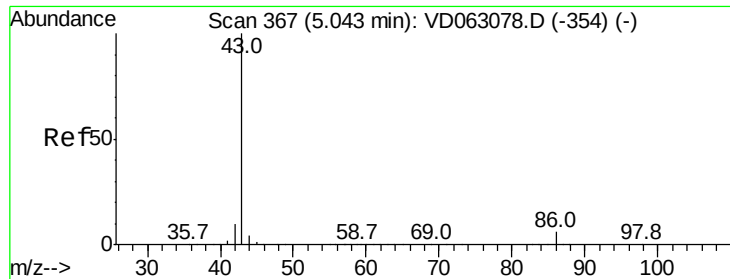
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





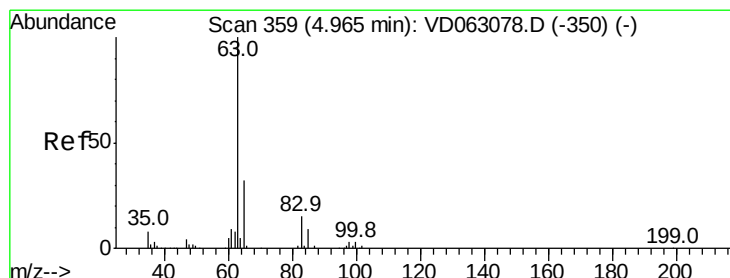
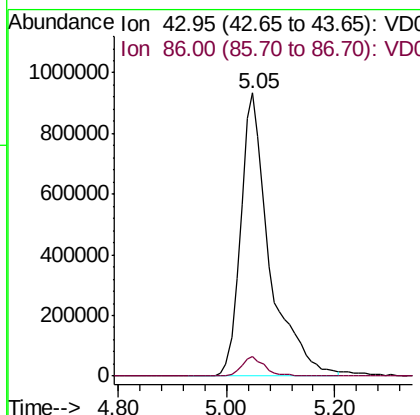
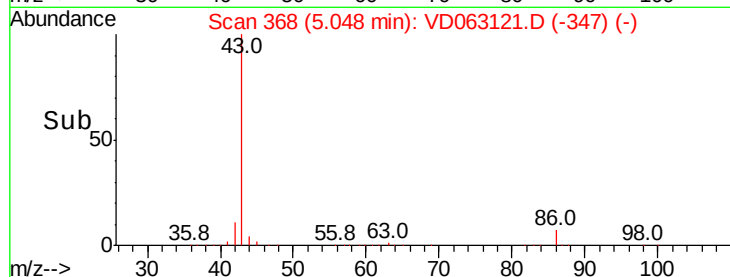
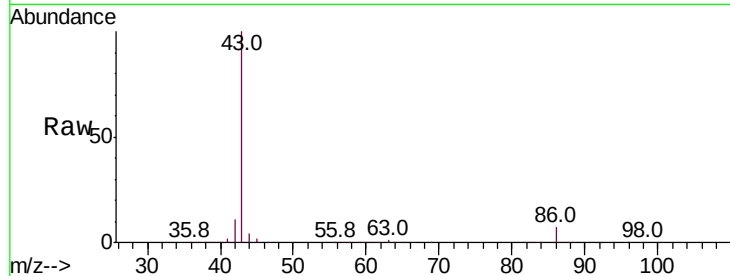
#23
Vinyl Acetate
Concen: 284.273 ug/l
RT: 5.05 min Scan# 368
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 3456571
Ion Ratio Lower Upper
43 100
86 6.9 5.0 7.6

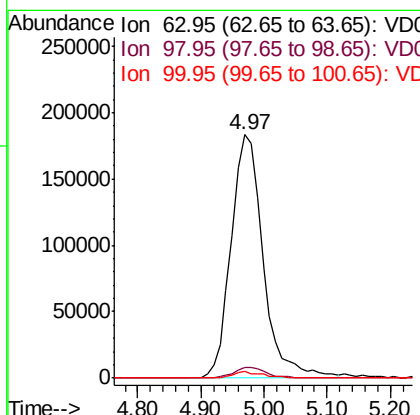
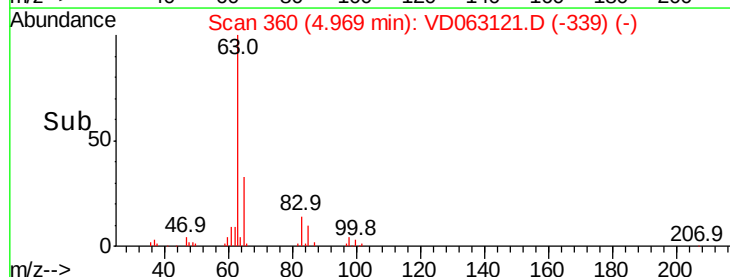
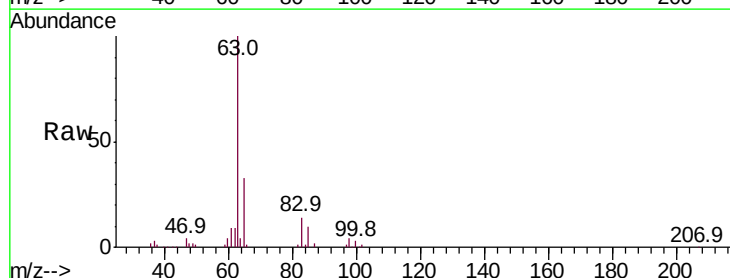
Manual Integrations
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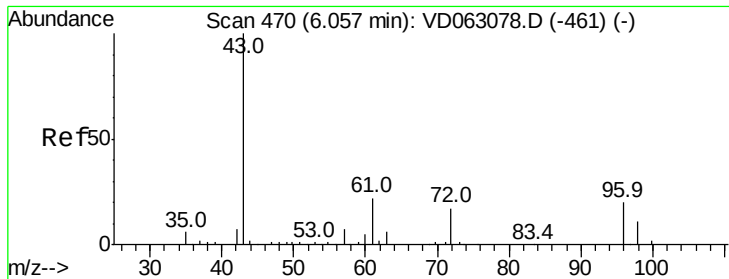
MMDadoda
7/18/2019 10:01:25 AM



#24
1,1-Dichloroethane
Concen: 50.349 ug/l
RT: 4.97 min Scan# 360
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 63 Resp: 646391
Ion Ratio Lower Upper
63 100
98 4.2 1.7 5.1
100 2.6 1.5 4.5





#25

2-Butanone

Concen: 256.472 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 508030

Ion Ratio Lower Upper

43 100

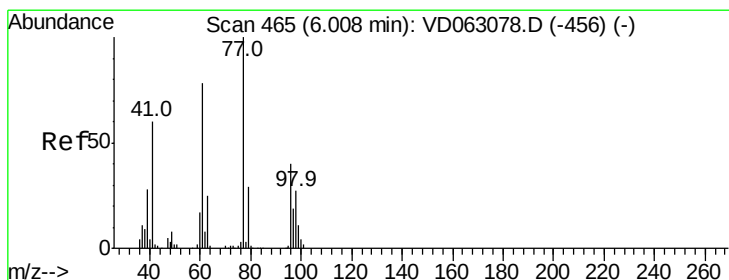
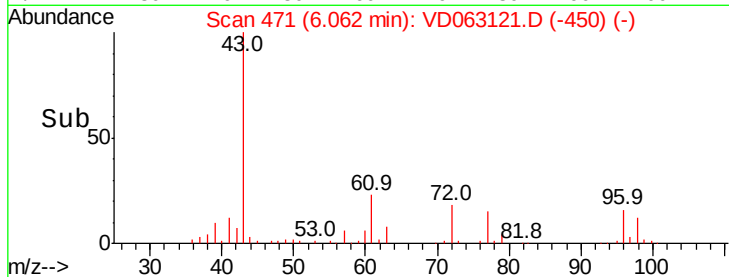
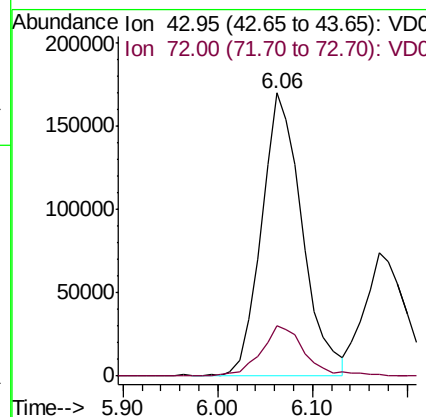
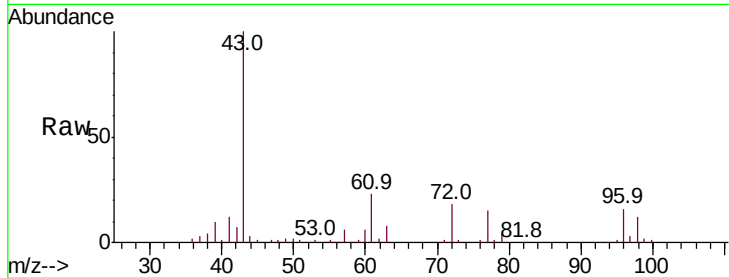
72 18.0 13.4 20.0

Manual Integrations

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MMDadoda

7/18/2019 10:01:25 AM



#26

2,2-Dichloropropane

Concen: 45.836 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD063121.D

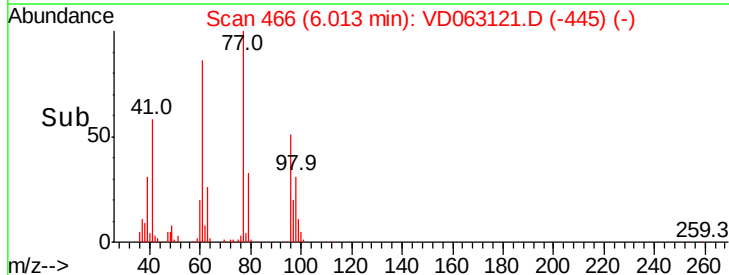
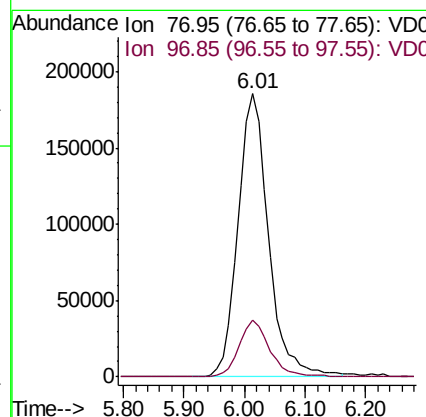
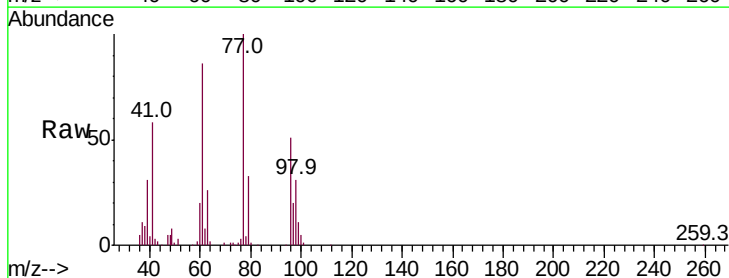
Acq: 17 Jul 2019 10:15

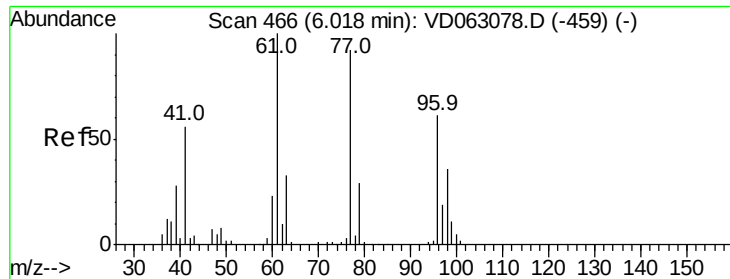
Tgt Ion: 77 Resp: 651258

Ion Ratio Lower Upper

77 100

97 20.1 9.3 27.9





#27

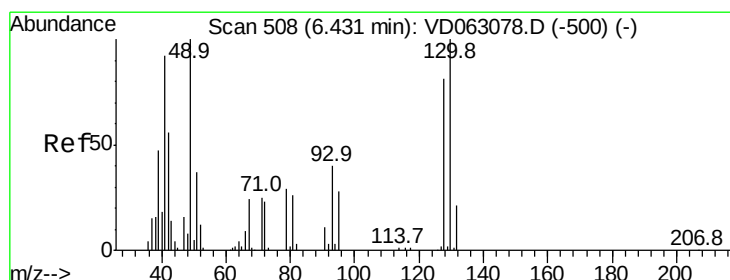
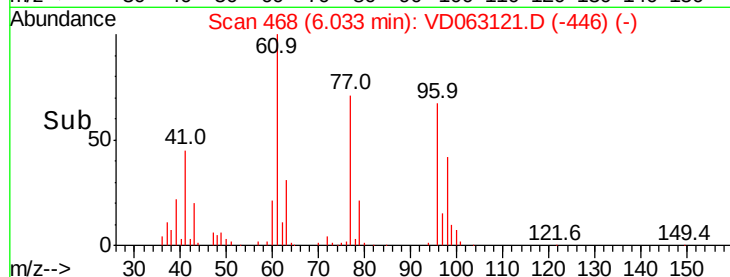
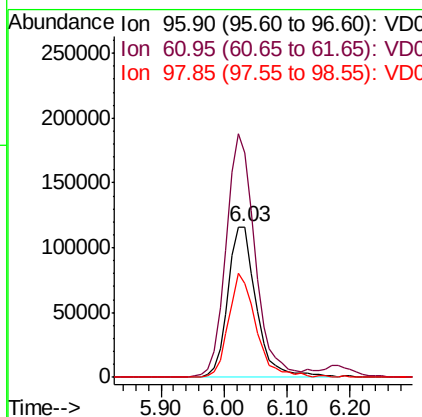
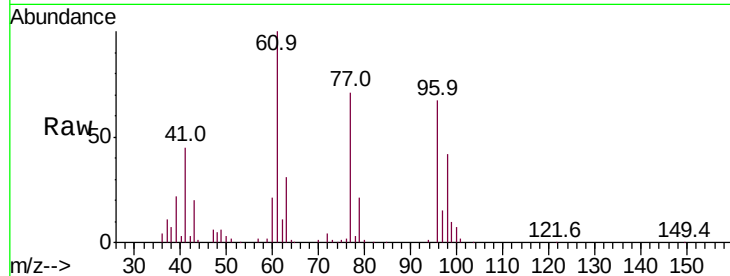
cis-1,2-Dichloroethene
Concen: 47.151 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	363168		
61	148.9	0.0	329.6	
98	62.1	0.0	118.4	

Manual Integrations
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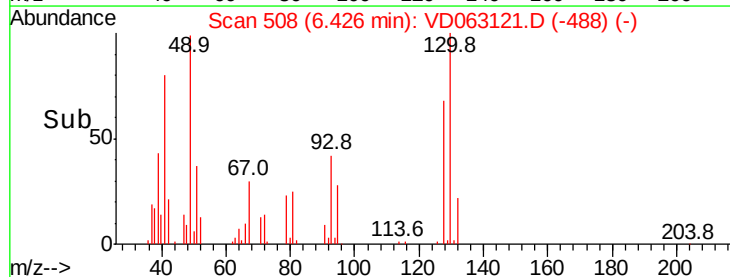
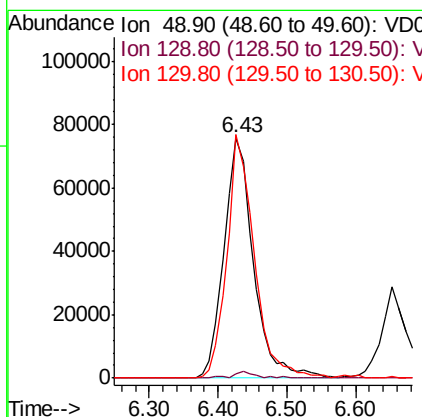
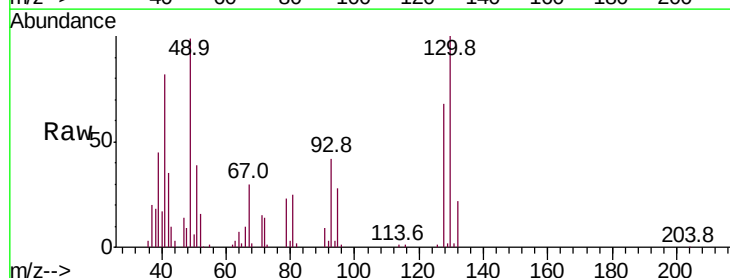
MMDadoda
7/18/2019 10:01:25 AM

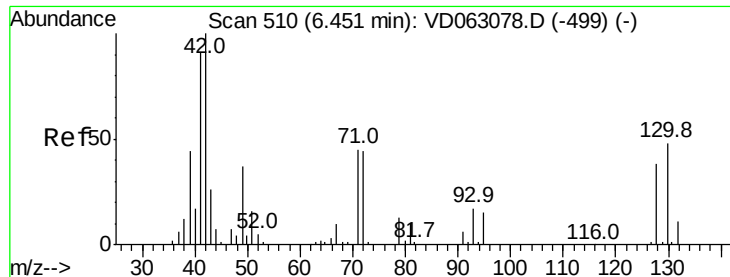


#28

Bromochloromethane
Concen: 48.214 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	224561		
129	1.9	0.0	3.6	
130	101.3	80.3	120.5	





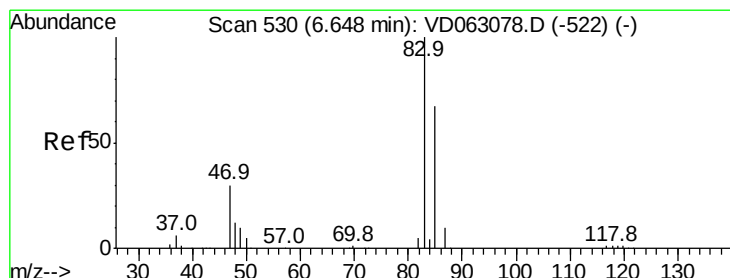
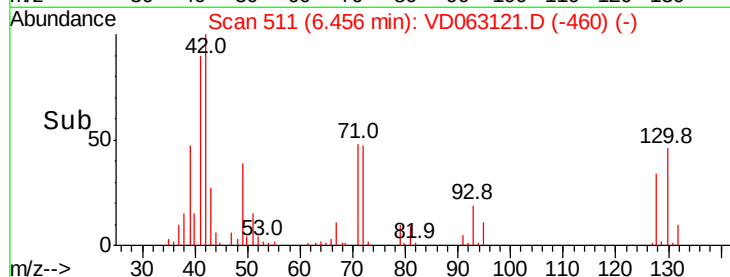
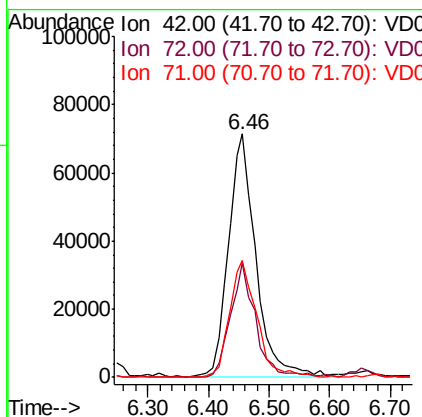
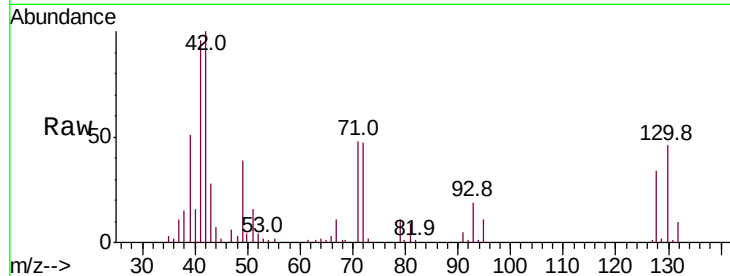
#29
Tetrahydrofuran
Concen: 252.212 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 226468
Ion Ratio Lower Upper
42 100
72 42.8 33.7 50.5
71 47.3 34.2 51.2

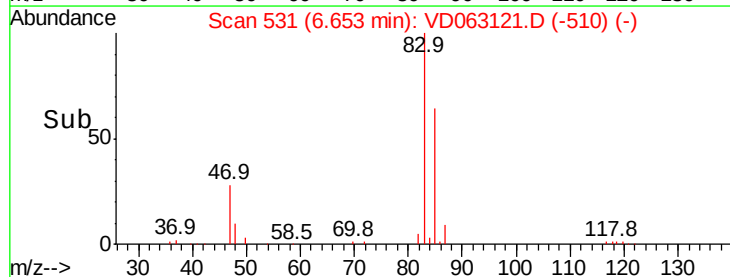
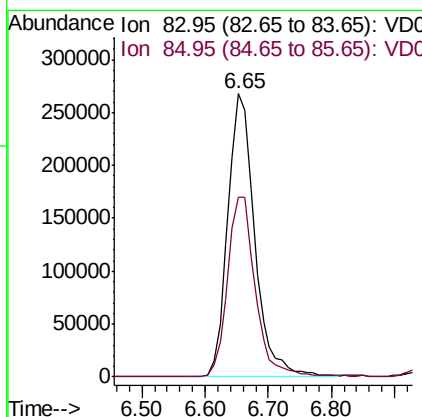
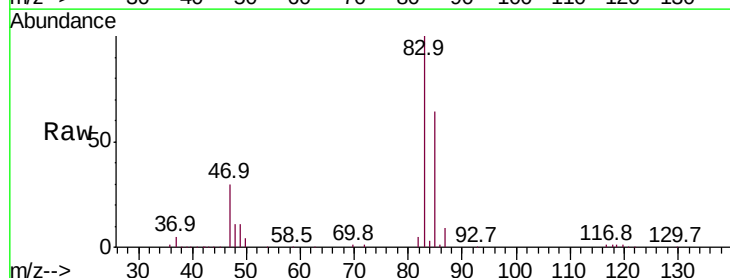
Manual Integrations
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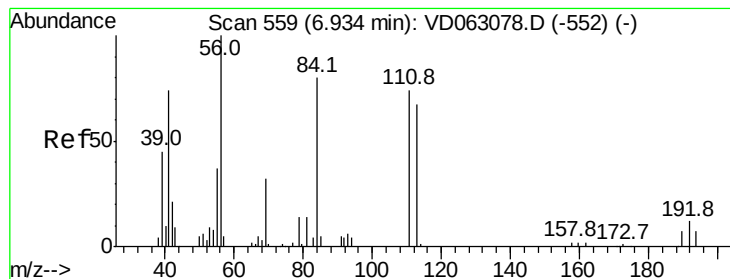
MMDadoda
7/18/2019 10:01:25 AM



#30
Chloroform
Concen: 50.080 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 83 Resp: 791820
Ion Ratio Lower Upper
83 100
85 63.7 53.8 80.8





#31

Cyclohexane

Concen: 49.150 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

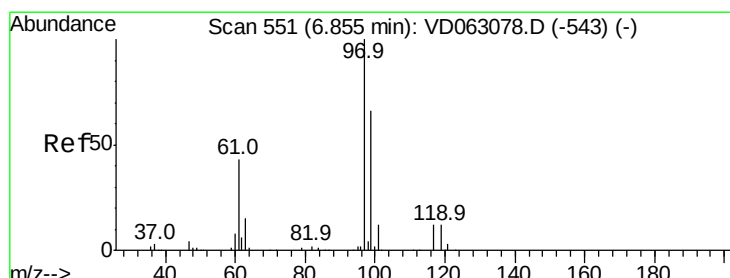
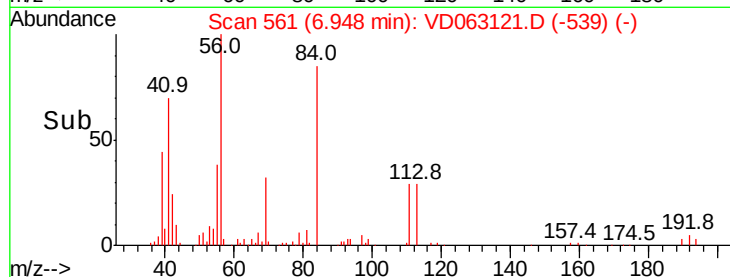
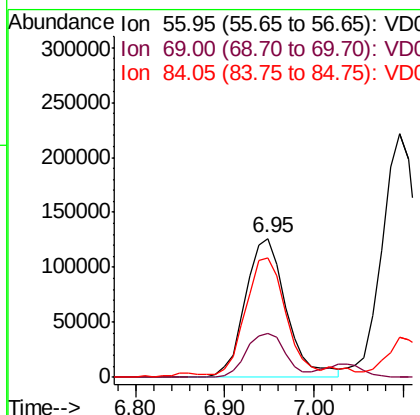
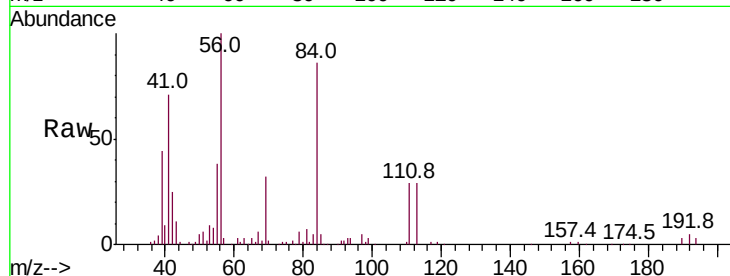
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	401852
Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.3	37.9
84	85.8	64.2	96.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.310 ug/l

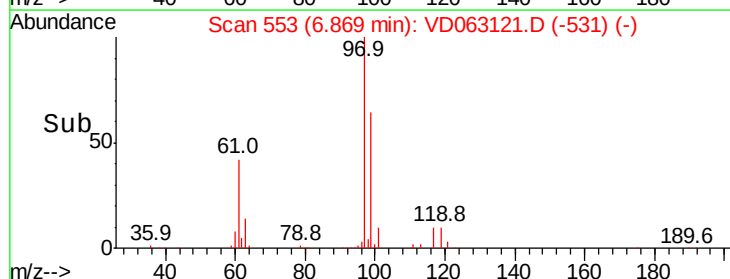
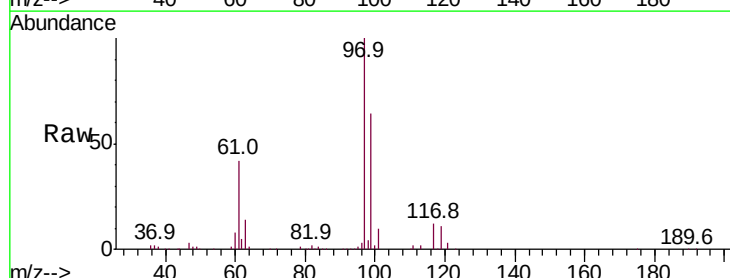
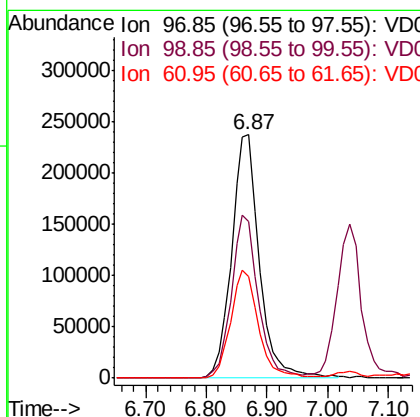
RT: 6.87 min Scan# 553

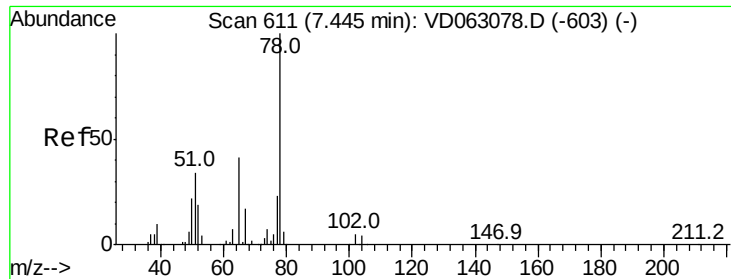
Delta R.T. 0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Tgt Ion:	97	Resp:	753212
Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.9	79.3
61	41.6	34.4	51.6





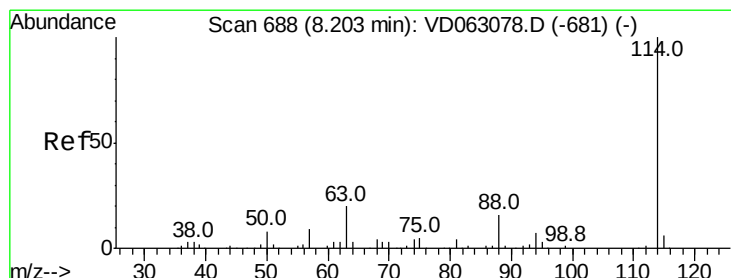
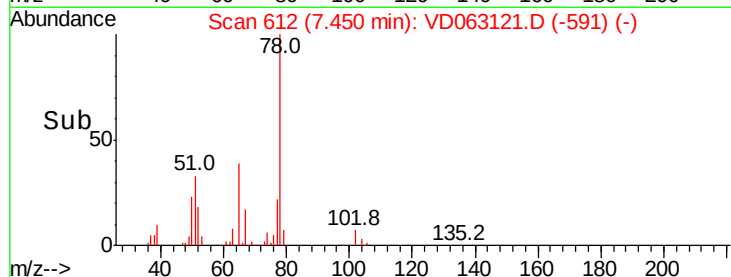
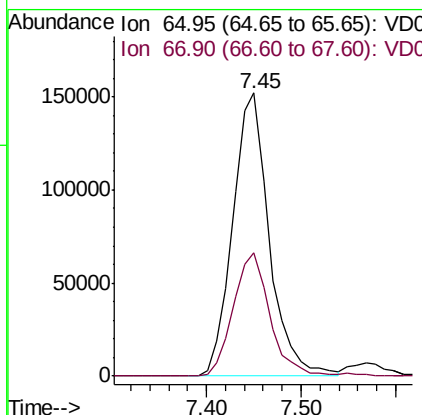
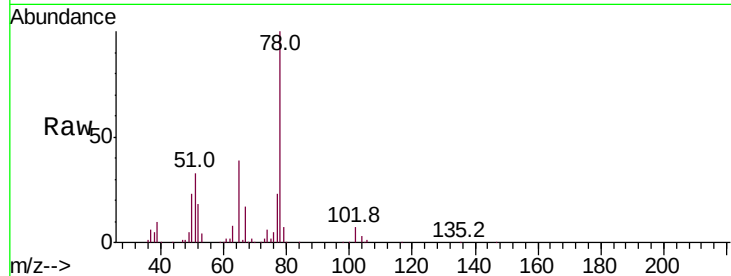
#33
 1,2-Dichloroethane-d4
 Concen: 47.235 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	43.8	0.0	86.0

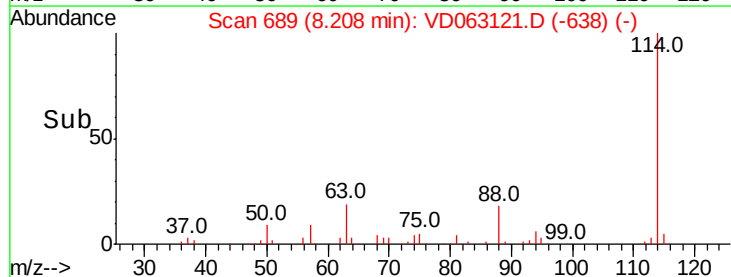
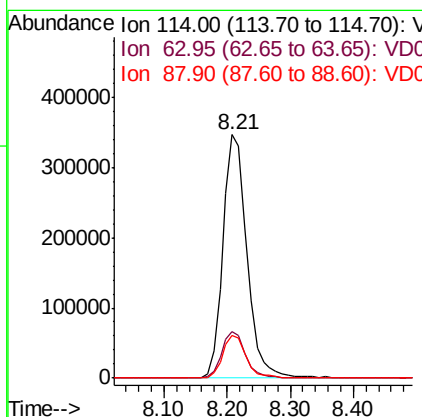
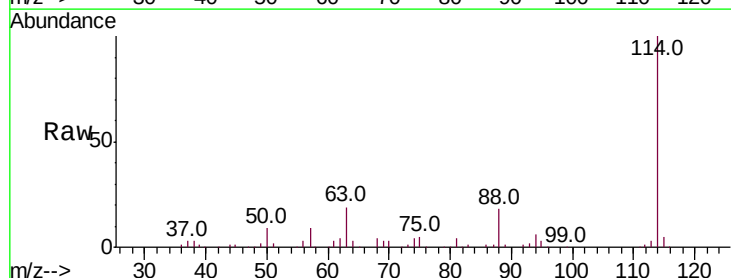
Manual Integrations
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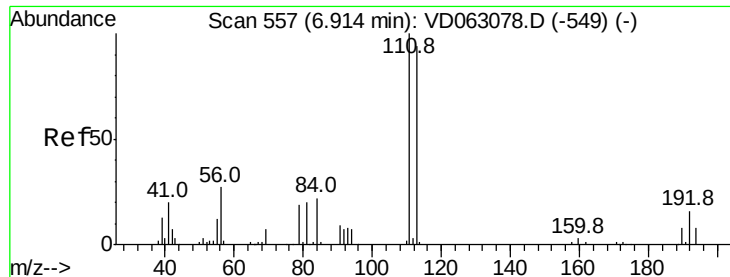
MMDadoda
 7/18/2019 10:01:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	40.6
88	17.6	0.0	32.6





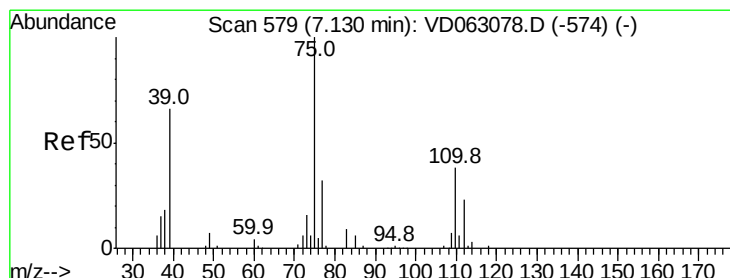
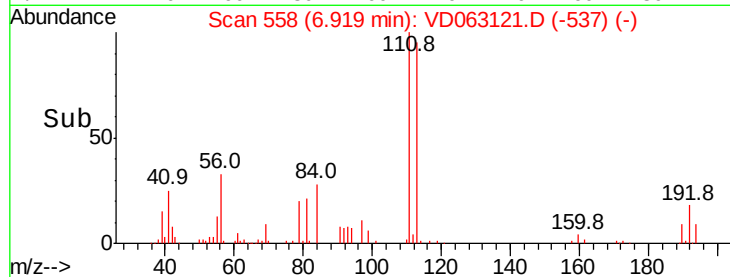
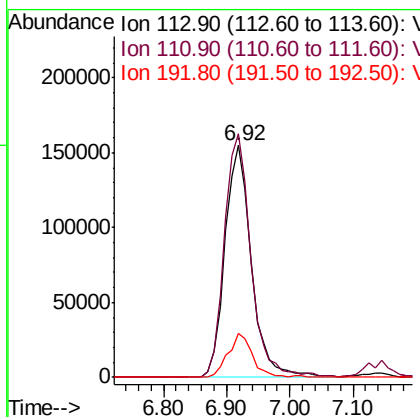
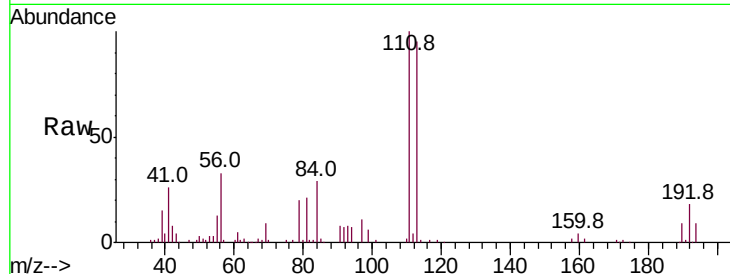
#35
 Dibromofluoromethane
 Concen: 49.409 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.1	84.8	127.2
192	19.1	13.4	20.0

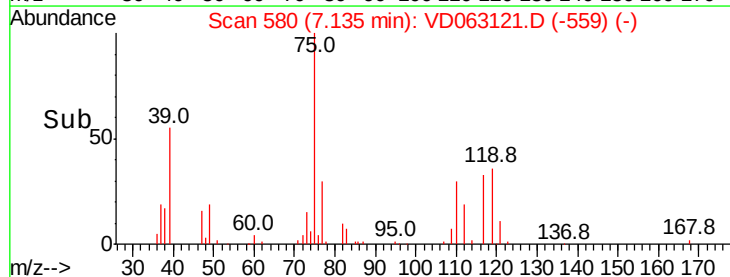
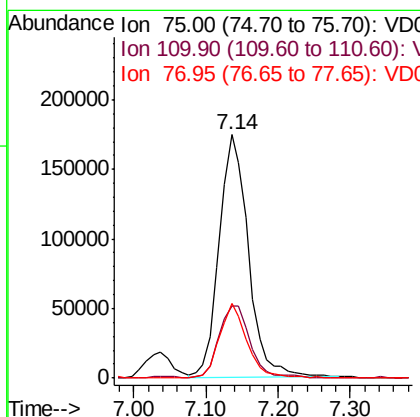
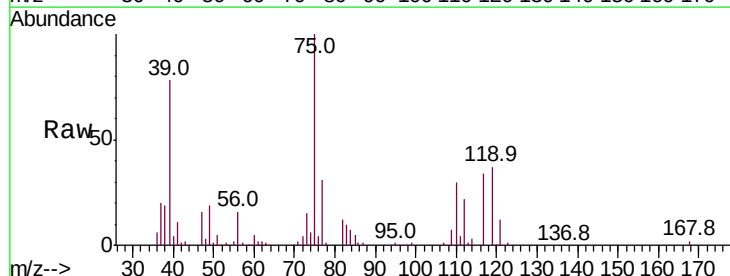
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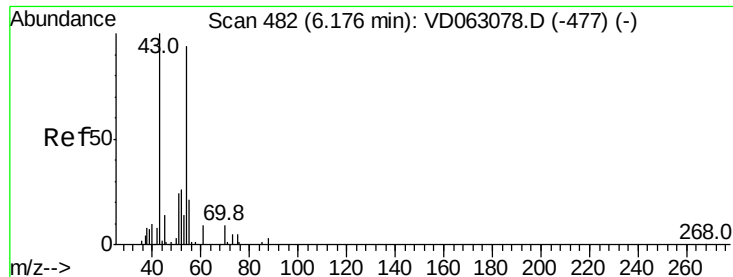
MMDadoda
 7/18/2019 10:01:25 AM



#36
 1,1-Dichloropropene
 Concen: 47.491 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.8	18.9	56.5
77	30.7	25.2	37.8





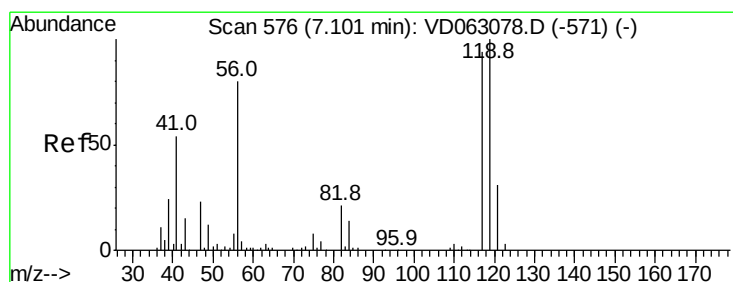
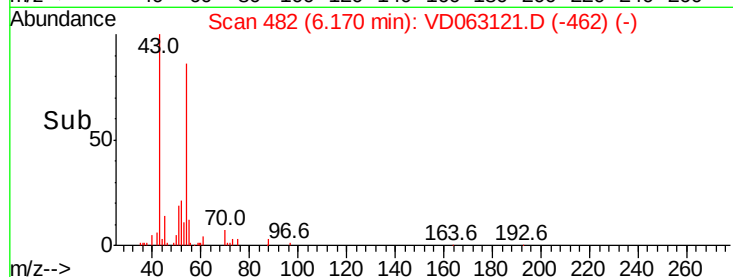
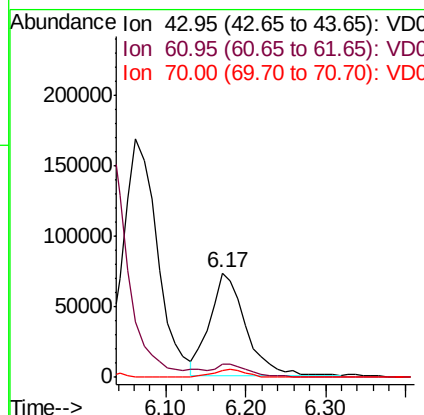
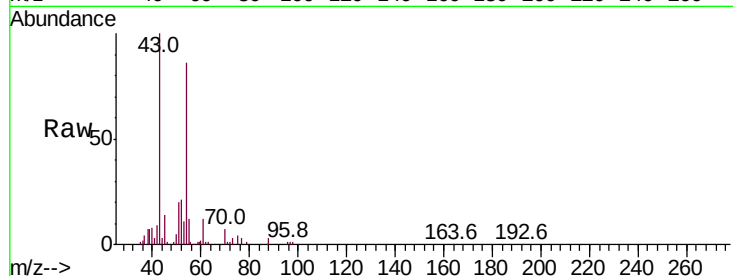
#37
Ethyl Acetate
Concen: 52.140 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.6	16.0
70	7.0	6.6	9.8

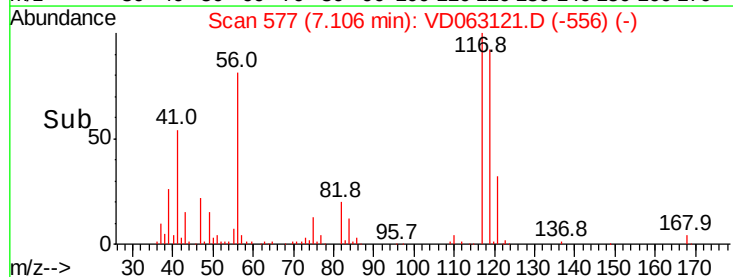
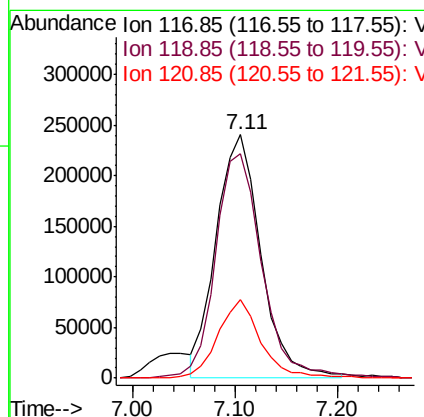
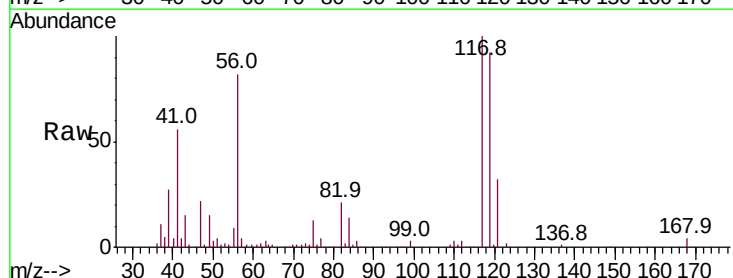
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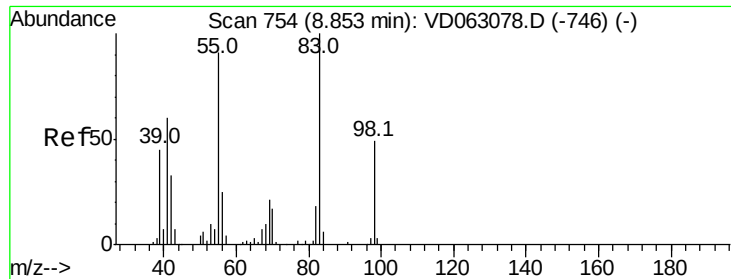
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#38
Carbon Tetrachloride
Concen: 46.803 ug/l m
RT: 7.11 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.0	80.0	120.0
121	32.1	25.0	37.4





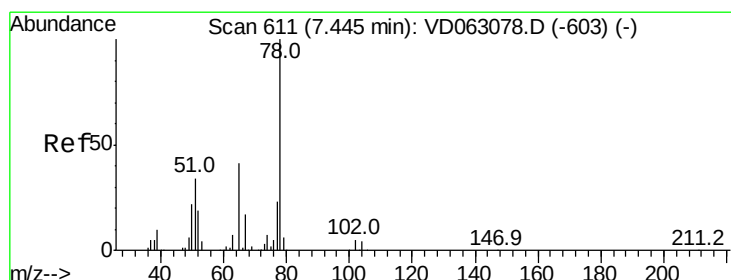
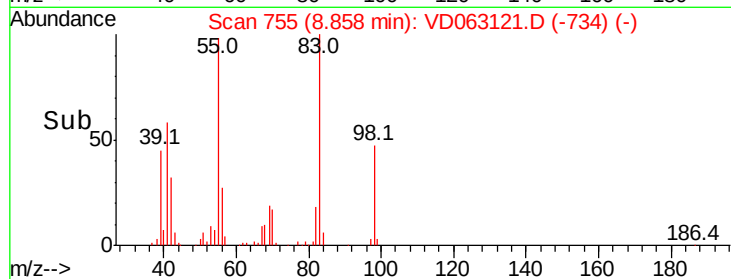
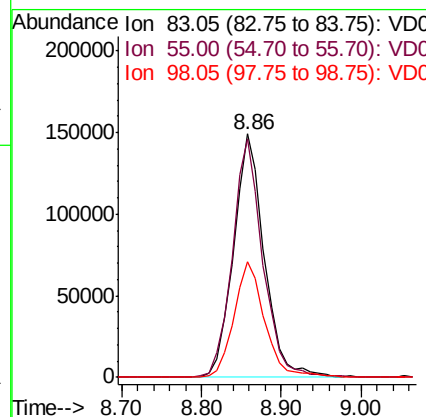
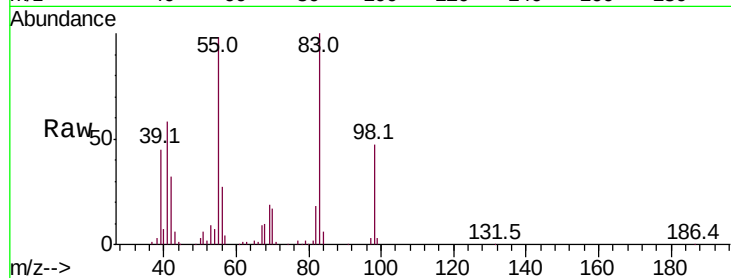
#39
Methylvlcyclohexane
Concen: 44.992 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	400889
Ion Ratio	100	Lower	Upper
83	100		
55	97.7	73.0	109.4
98	47.4	39.4	59.0

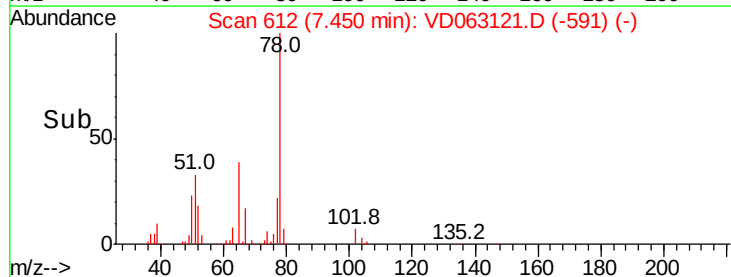
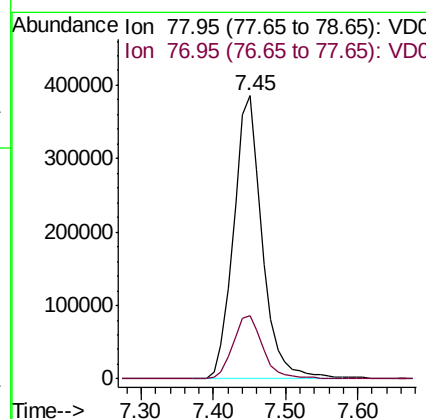
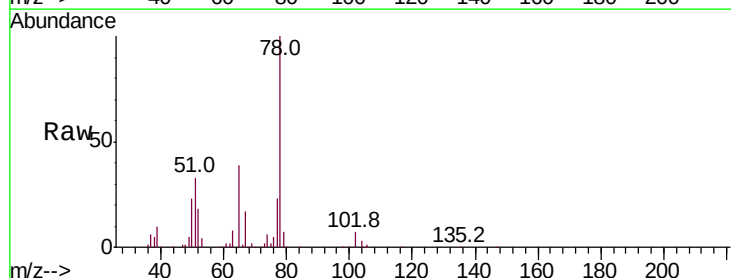
Manual Integrations
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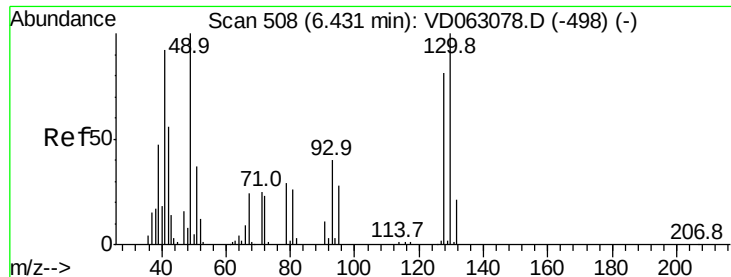
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#40
Benzene
Concen: 49.255 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion	78	Resp	1063195
Ion Ratio	100	Lower	Upper
78	100		
77	22.5	18.1	27.1





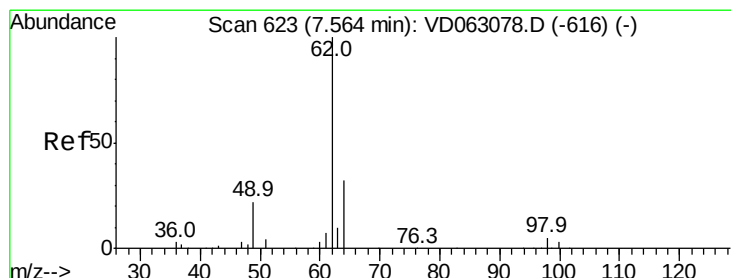
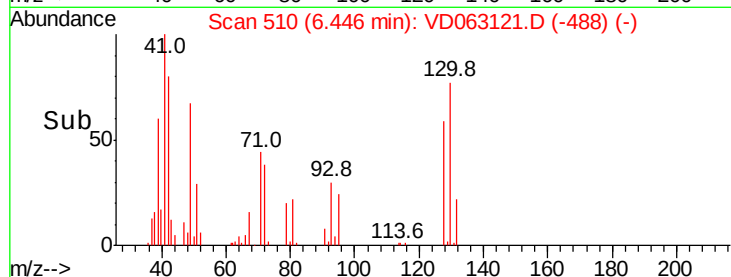
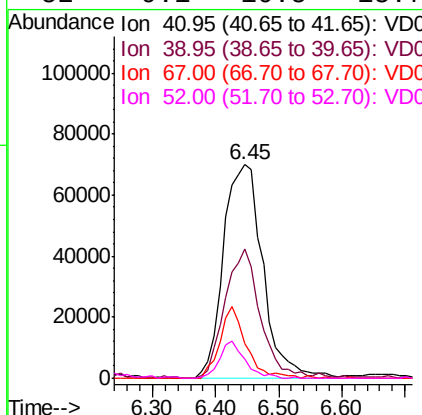
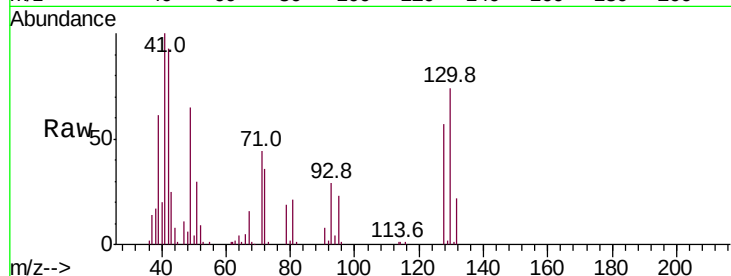
#41
Methacrylonitrile
Concen: 50.776 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.7	41.0	61.6
67	15.9	21.3	31.9#
52	9.1	10.5	15.7#

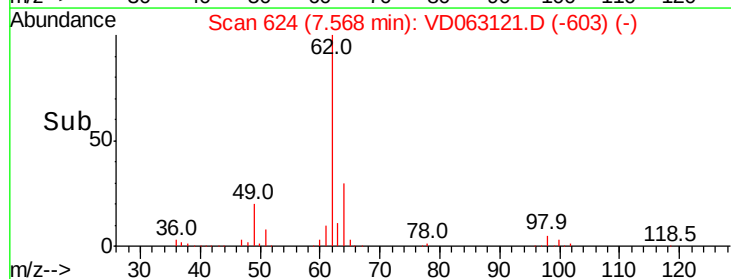
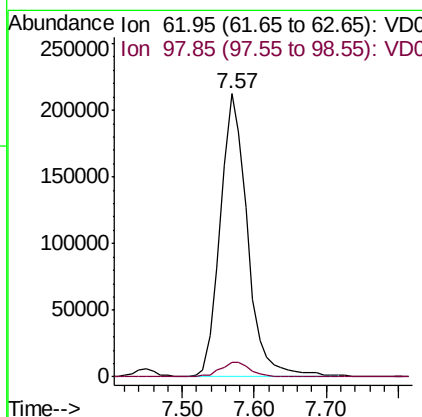
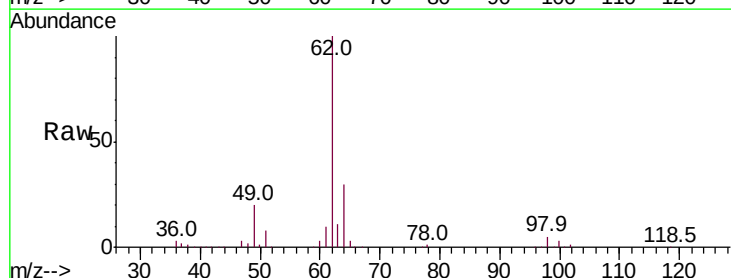
Manual Integrations
APPROVED

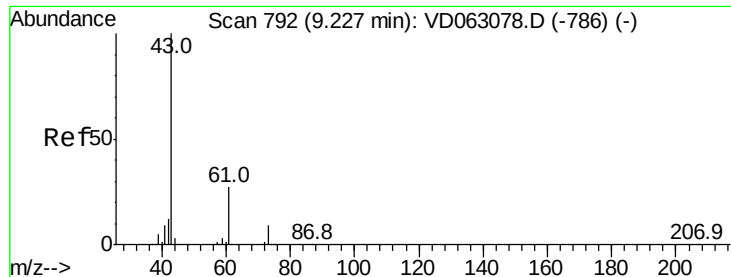
MMDadoda
7/18/2019 10:01:25 AM



#42
1,2-Dichloroethane
Concen: 48.226 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.4	0.0	9.6





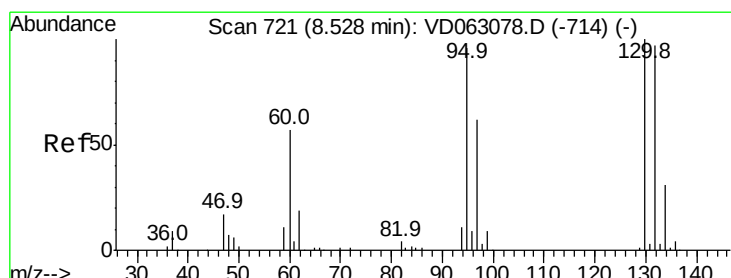
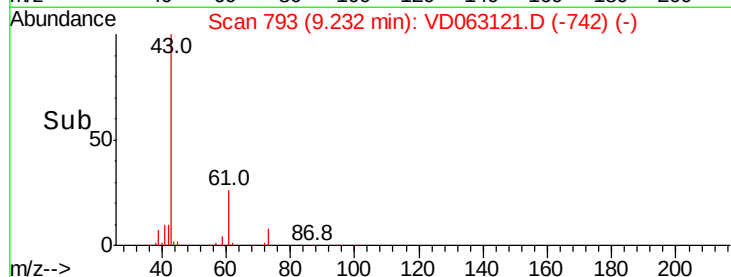
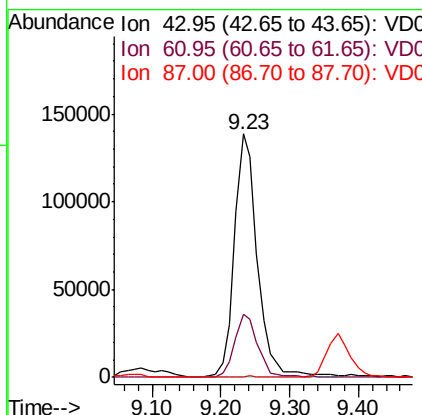
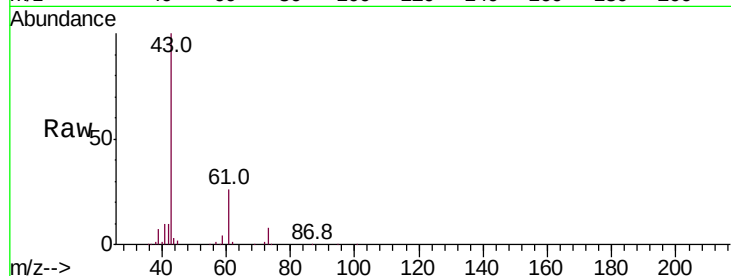
#43
Isopropyl Acetate
Concen: 50.667 ug/l
RT: 9.23 min Scan# 793
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.0	21.7	32.5
87	0.4	0.2	0.4

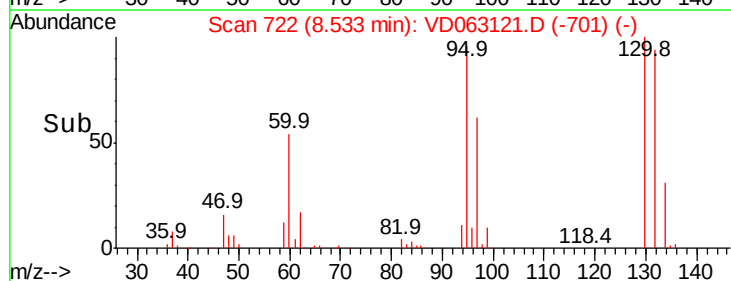
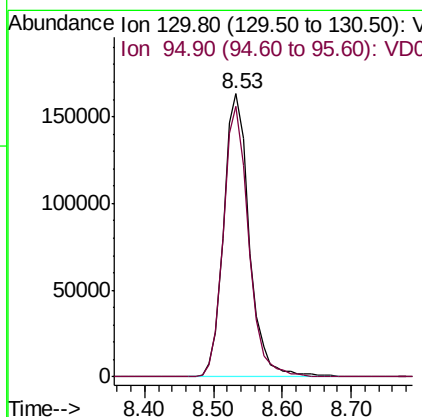
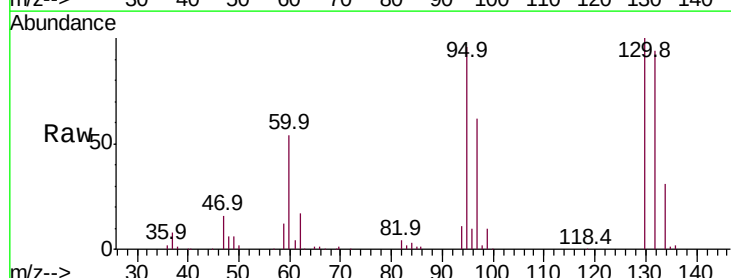
Manual Integrations
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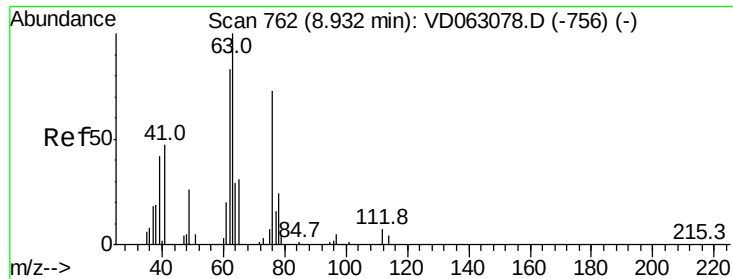
MMDadoda
7/18/2019 10:01:25 AM



#44
Trichloroethene
Concen: 50.488 ug/l
RT: 8.53 min Scan# 722
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	191.4





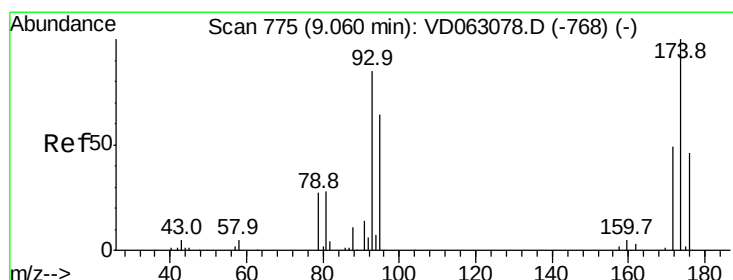
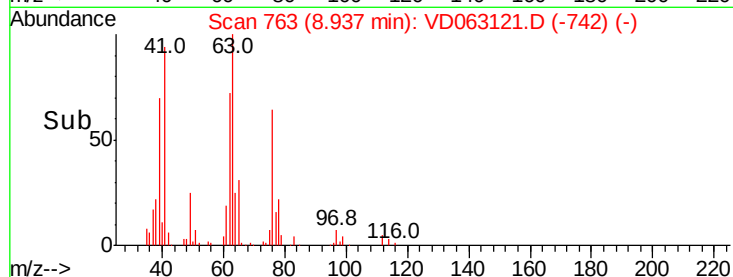
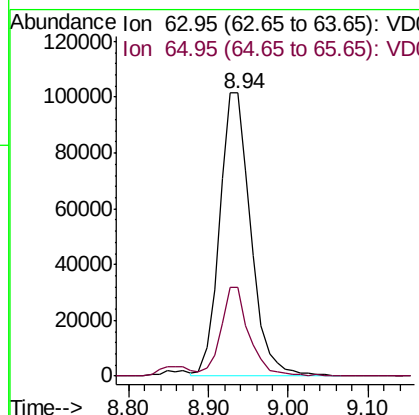
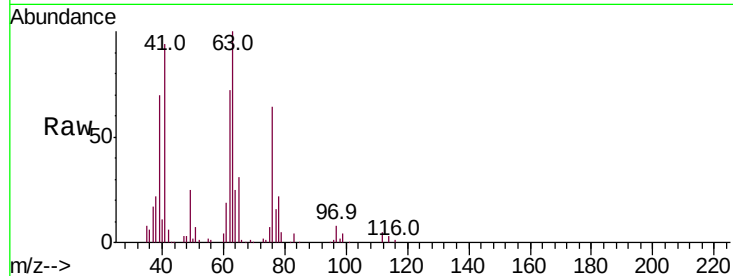
#45
 1,2-Dichloropropane
 Concen: 51.855 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	26.3	39.5

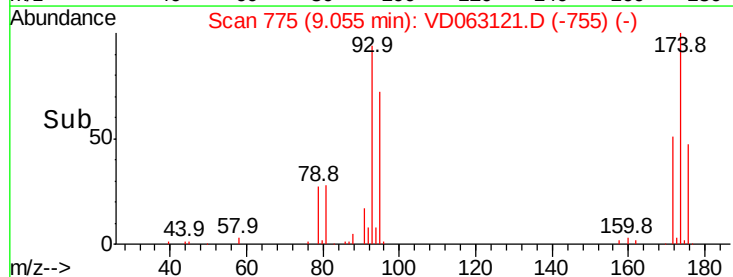
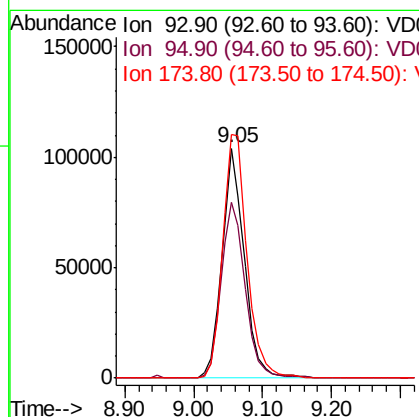
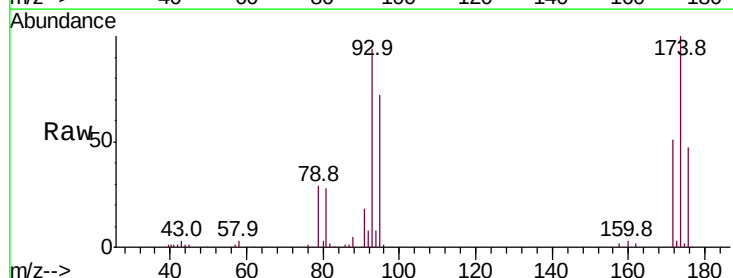
Manual Integrations
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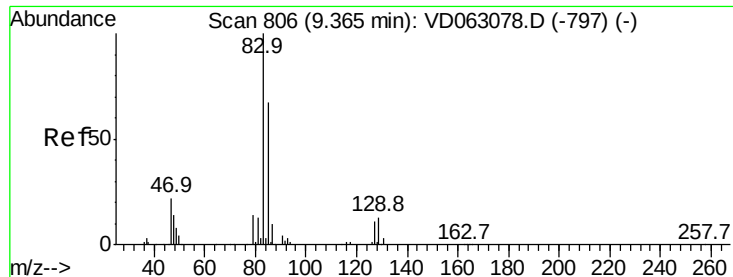
MMDadoda
 7/18/2019 10:01:25 AM



#46
 Dibromomethane
 Concen: 50.214 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Tgt Ion	Ratio	Lower	Upper
93	100		
95	76.4	59.7	89.5
174	105.9	93.9	140.9





#47

Bromodichloromethane

Concen: 50.244 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

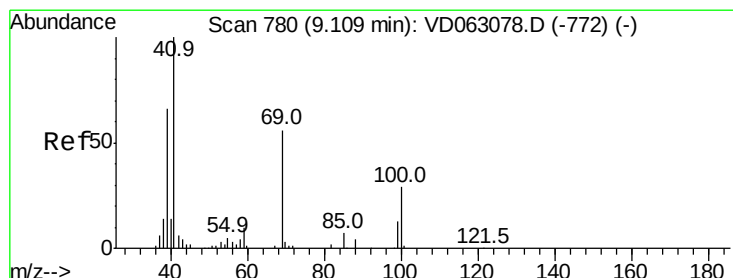
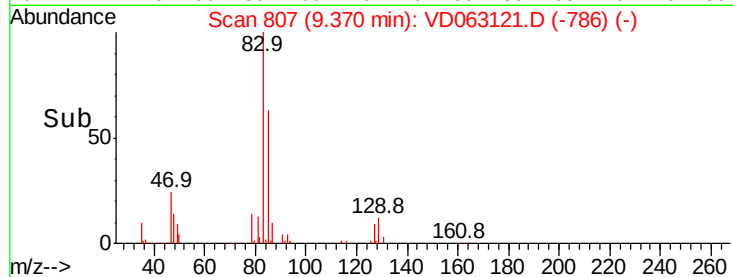
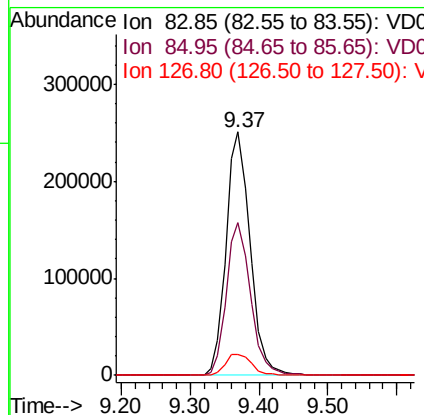
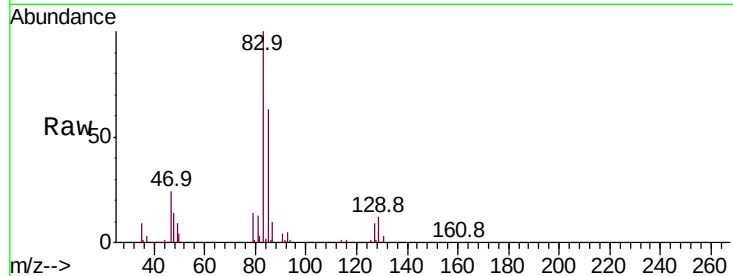
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	606353
Ion Ratio	Lower	Upper	
83	100		
85	62.7	53.7	80.5
127	8.8	9.0	13.6#

Manual Integrations
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MMDadoda
7/18/2019 10:01:25 AM



#48

Methyl methacrylate

Concen: 49.495 ug/l

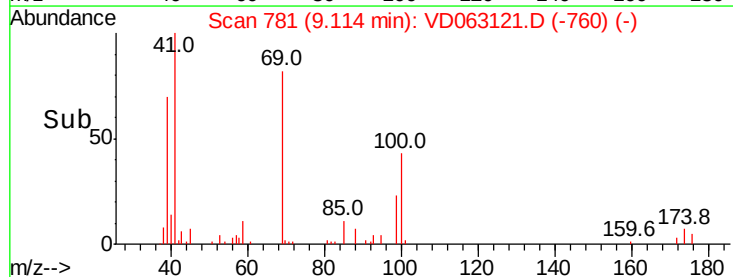
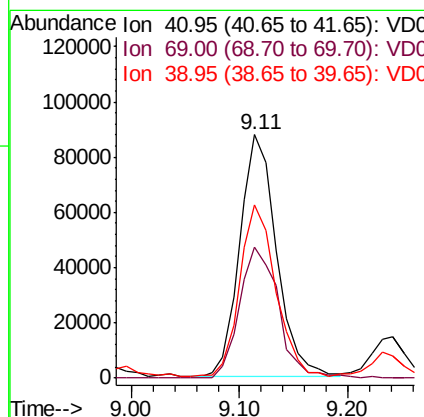
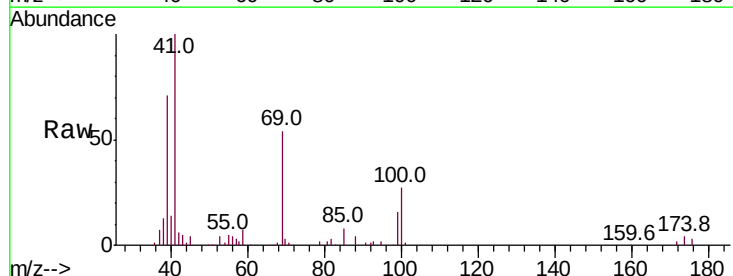
RT: 9.11 min Scan# 781

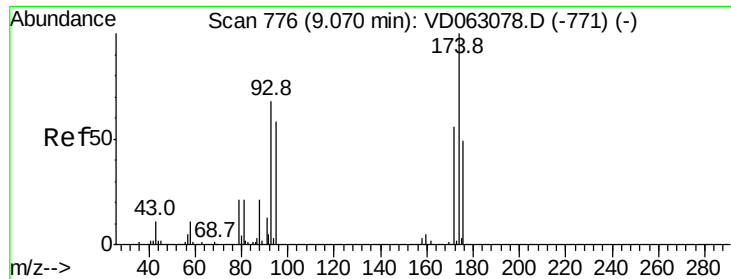
Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Tgt Ion:	41	Resp:	205495
Ion Ratio	Lower	Upper	
41	100		
69	53.7	44.3	66.5
39	71.2	52.6	78.8





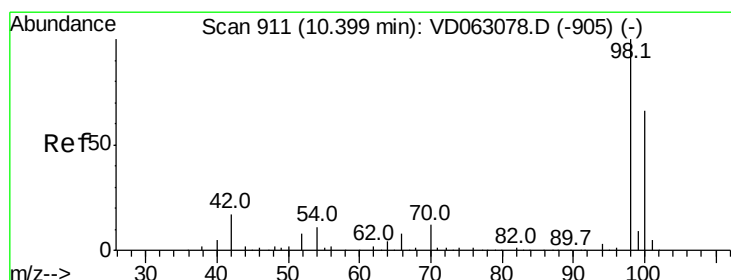
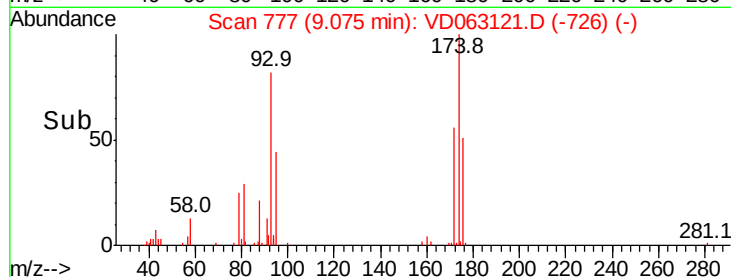
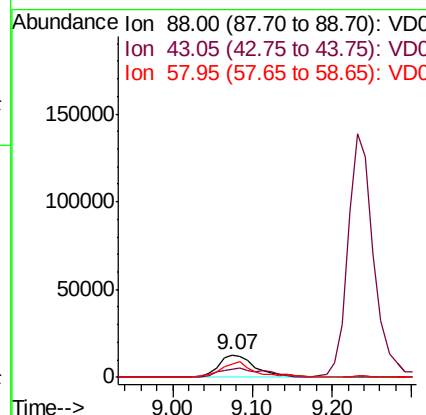
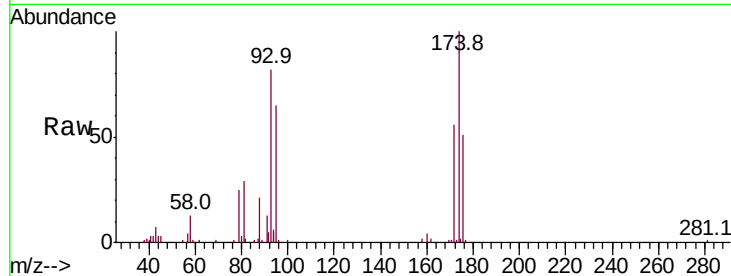
#49
1,4-Dioxane
Concen: 1171.615 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	40.2	60.4#
58	61.3	41.6	62.4

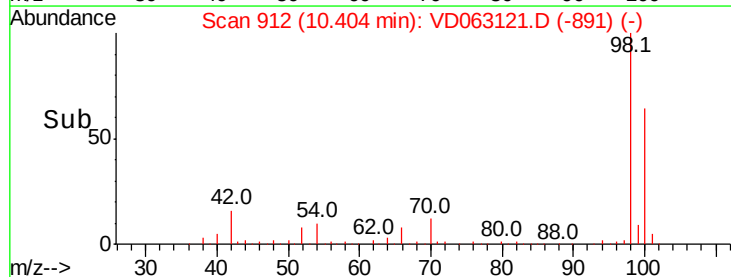
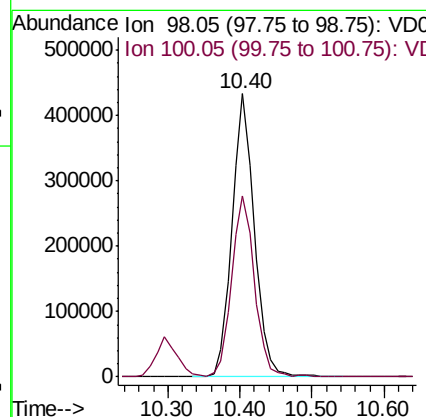
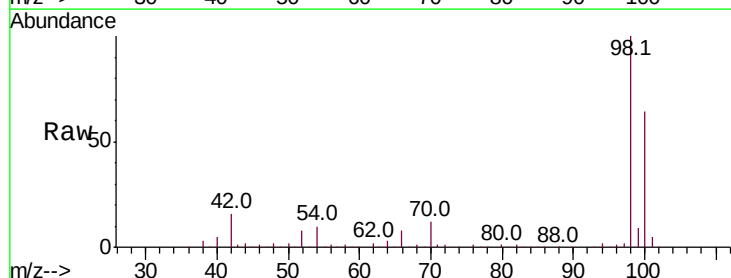
Manual Integrations
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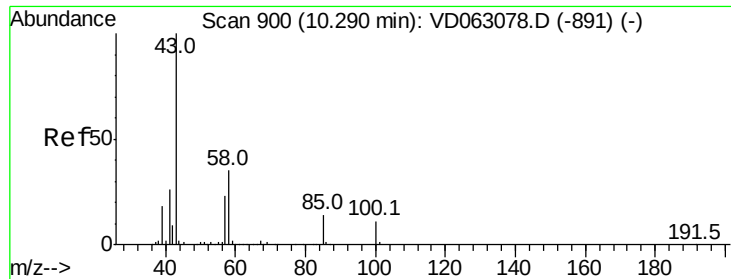
MMDadoda
7/18/2019 10:01:25 AM



#50
Toluene-d8
Concen: 47.491 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	53.5	80.3





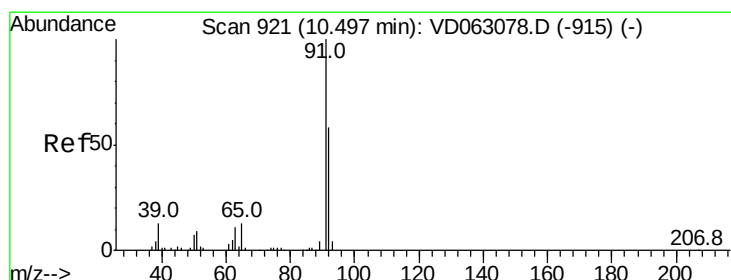
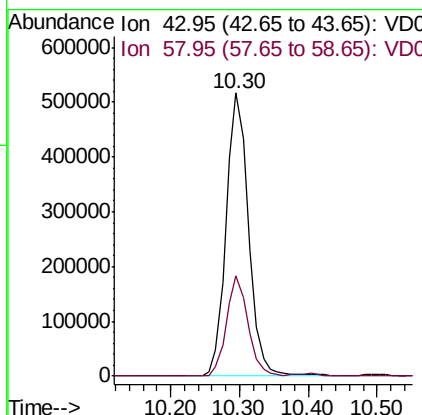
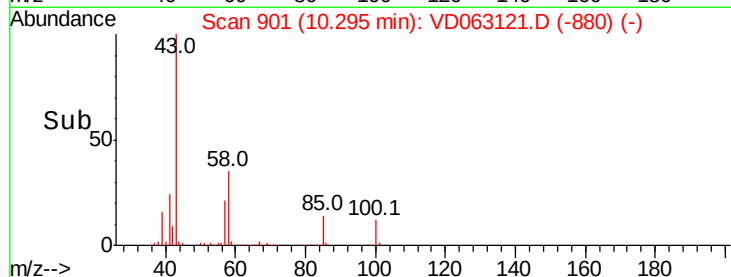
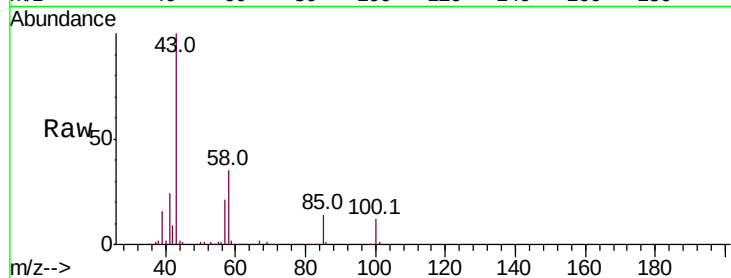
#51
4-Methyl-2-Pentanone
Concen: 278.466 ug/l
RT: 10.30 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 43 Resp: 1167688
Ion Ratio Lower Upper
43 100
58 35.4 27.8 41.6

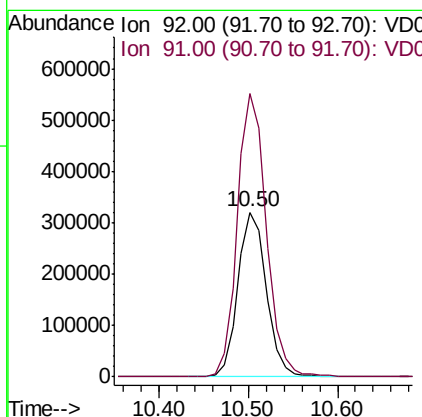
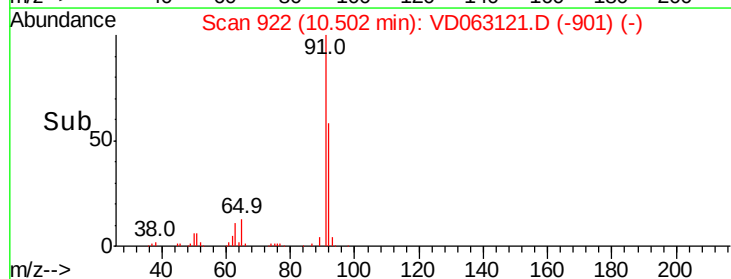
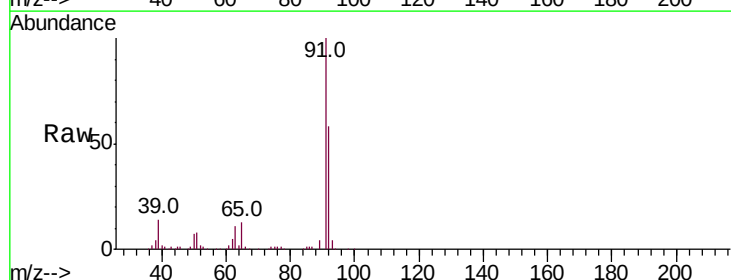
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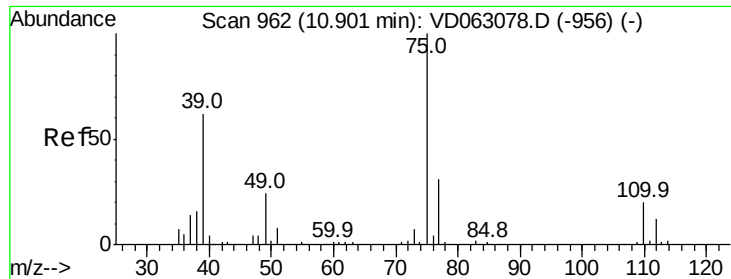
MMDadoda
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#52
Toluene
Concen: 49.554 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 92 Resp: 714285
Ion Ratio Lower Upper
92 100
91 171.9 137.9 206.9





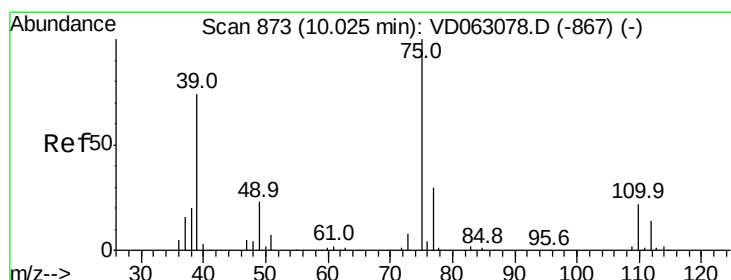
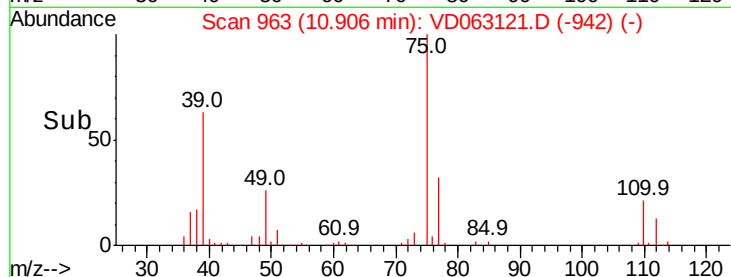
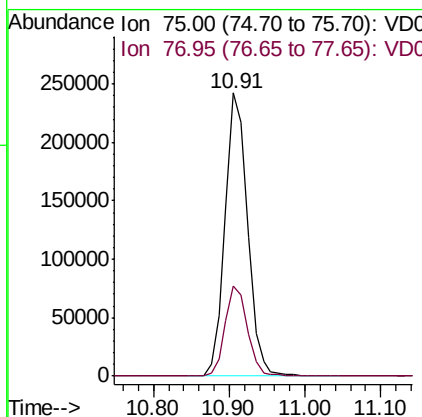
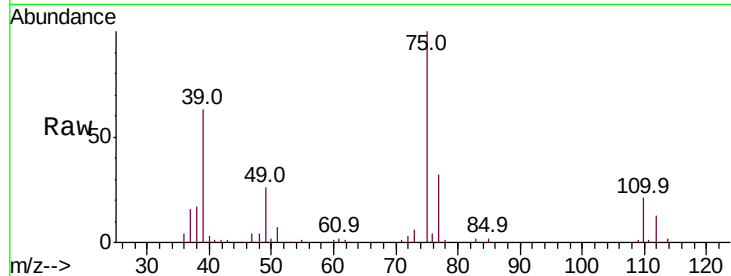
#53
t-1,3-Dichloropropene
Concen: 48.456 ug/l
RT: 10.91 min Scan# 963
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 501005
Ion Ratio Lower Upper
75 100
77 32.0 24.9 37.3

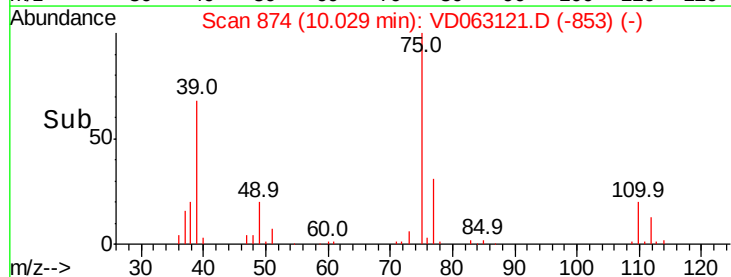
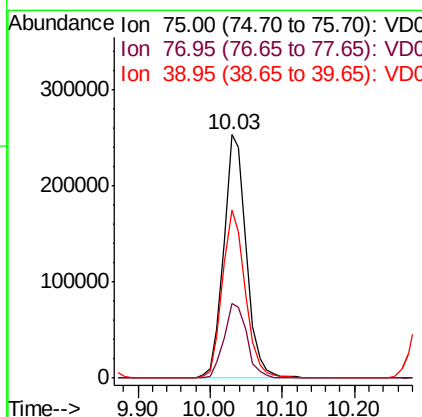
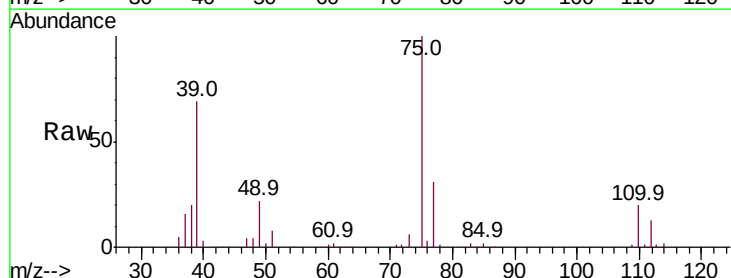
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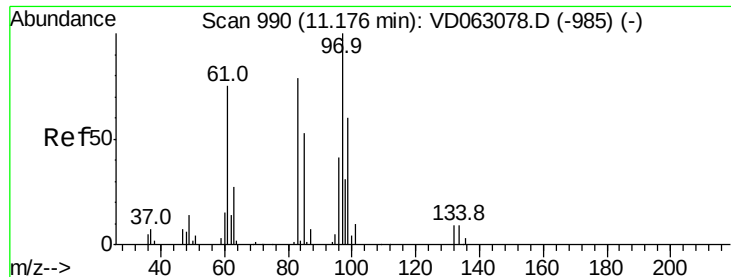
MMDadoda
7/18/2019 10:01:25 AM



#54
cis-1,3-Dichloropropene
Concen: 51.540 ug/l
RT: 10.03 min Scan# 874
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 75 Resp: 551005
Ion Ratio Lower Upper
75 100
77 30.8 23.9 35.9
39 69.3 59.4 89.0





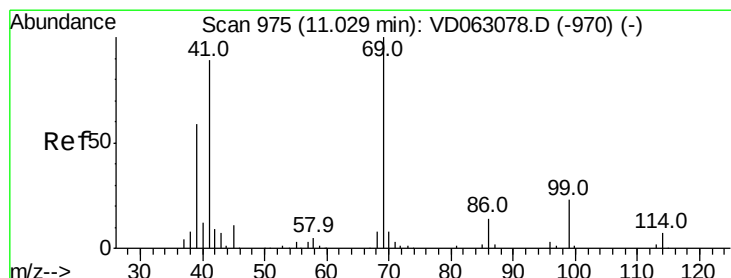
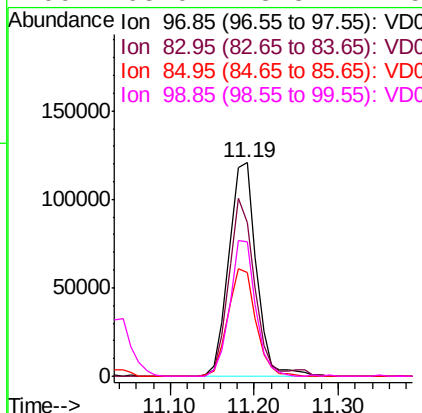
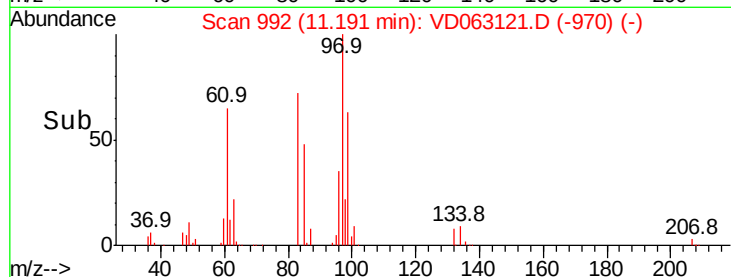
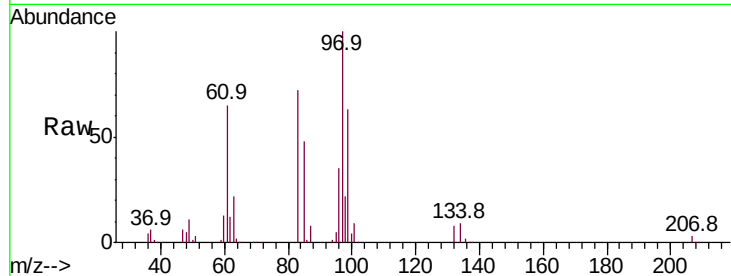
#55
1,1,2-Trichloroethane
Concen: 55.326 ug/l
RT: 11.19 min Scan# 992
Delta R.T. 0.01 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	275595		
83	71.9	63.2	94.8	
85	48.4	42.0	63.0	
99	63.0	48.3	72.5	

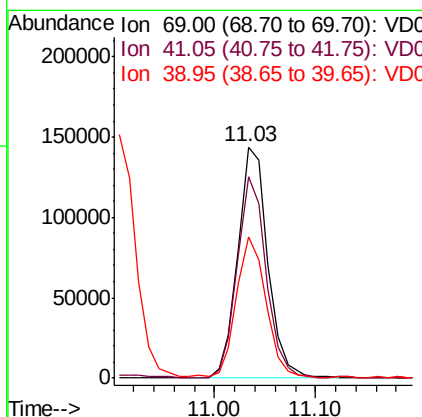
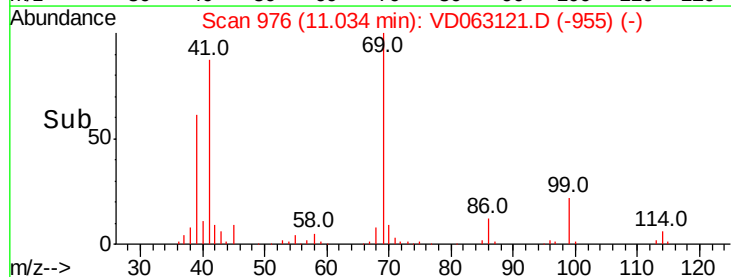
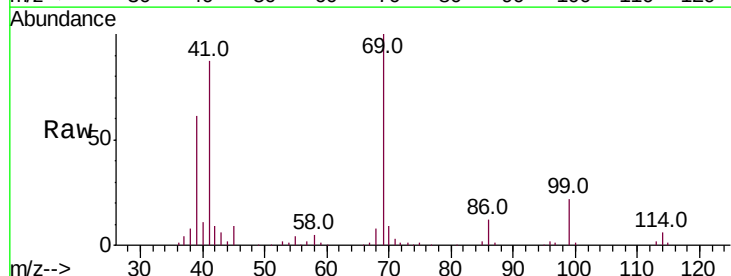
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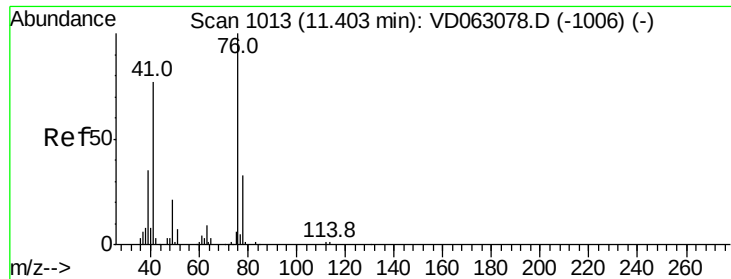
MMDadoda
7/18/2019 10:01:25 AM



#56
Ethyl methacrylate
Concen: 53.414 ug/l
RT: 11.03 min Scan# 976
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	297285		
41	87.3	71.0	106.4	
39	61.0	47.7	71.5	





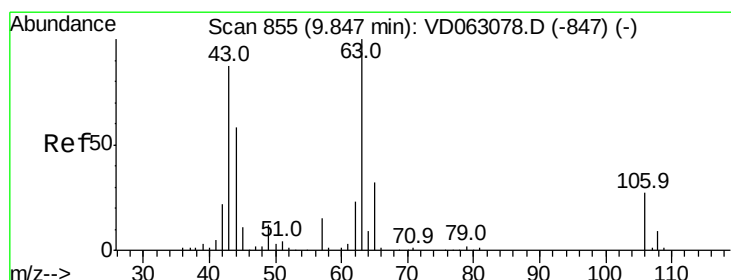
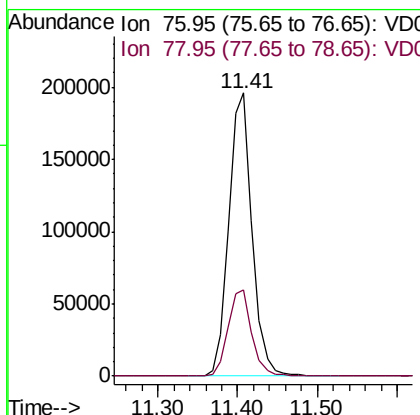
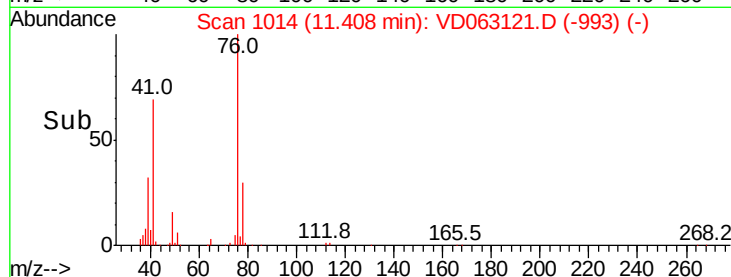
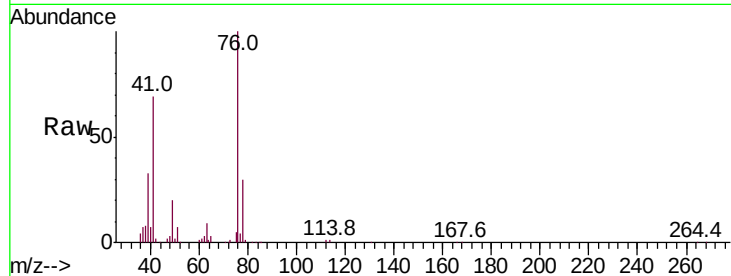
#57
 1,3-Dichloropropane
 Concen: 52.943 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 401297
 Ion Ratio Lower Upper
 76 100
 78 30.3 26.8 40.2

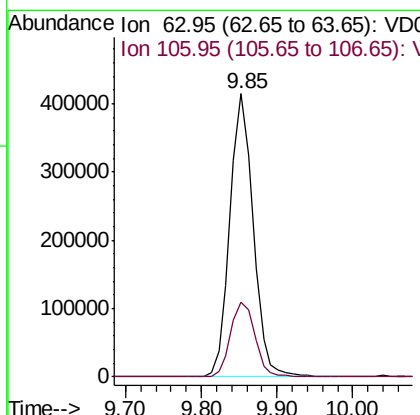
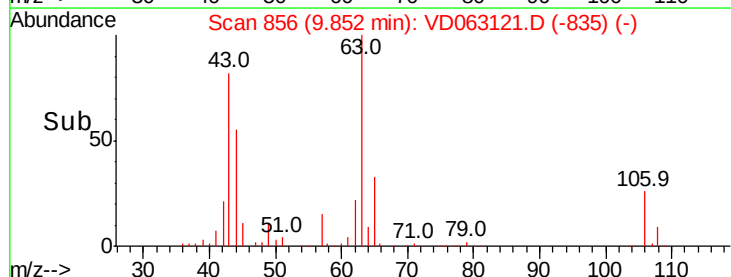
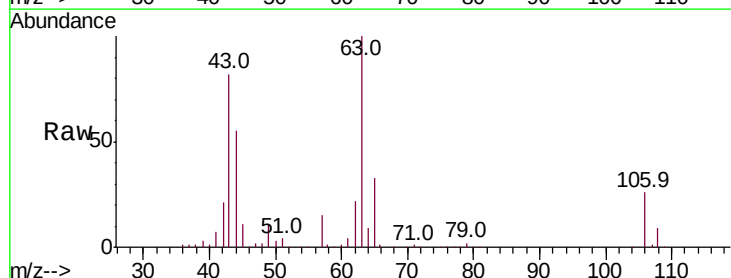
Manual Integrations
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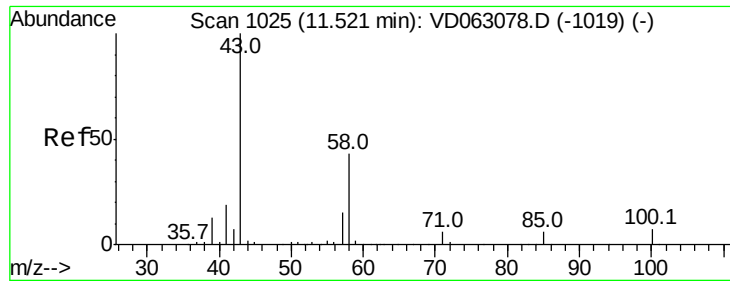
MMDadoda
 7/18/2019 10:01:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 285.409 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Tgt Ion: 63 Resp: 884476
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.3 31.9





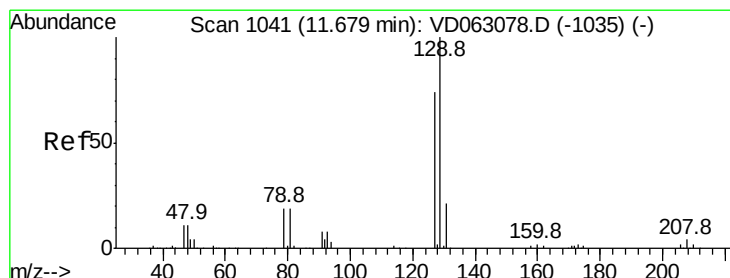
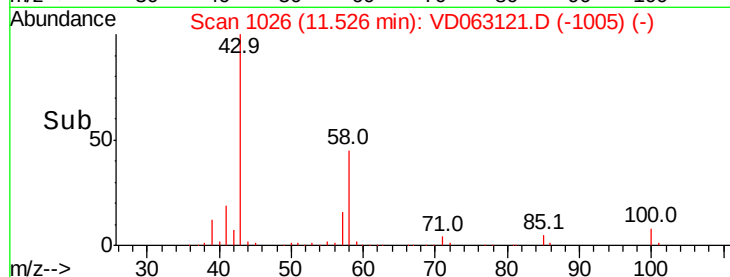
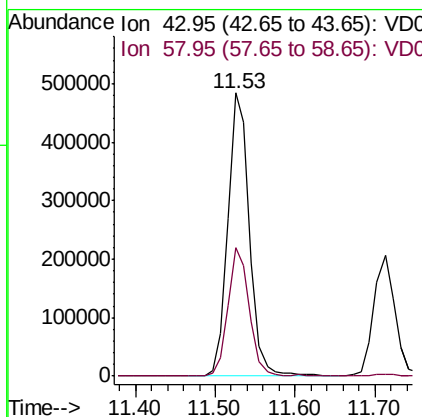
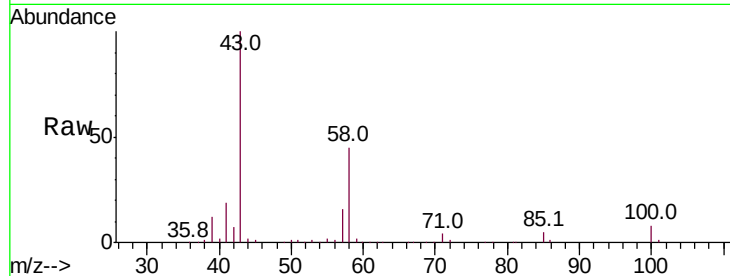
#59
2-Hexanone
Concen: 285.392 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 922928
Ion Ratio Lower Upper
43 100
58 45.3 21.7 65.1

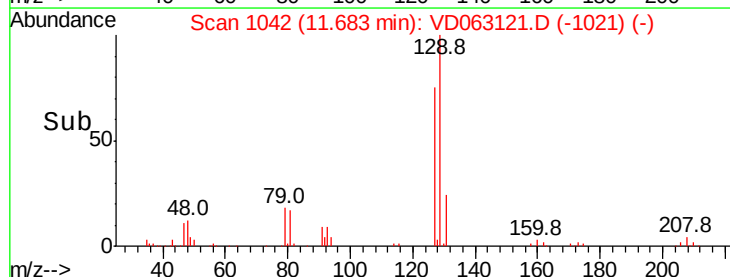
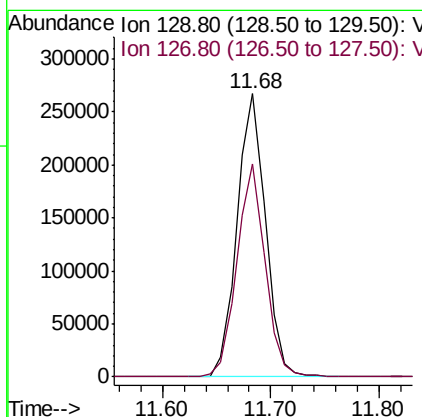
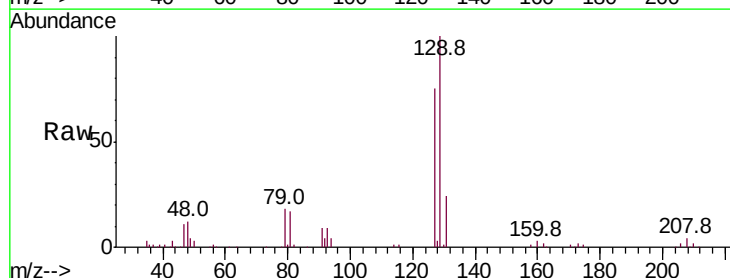
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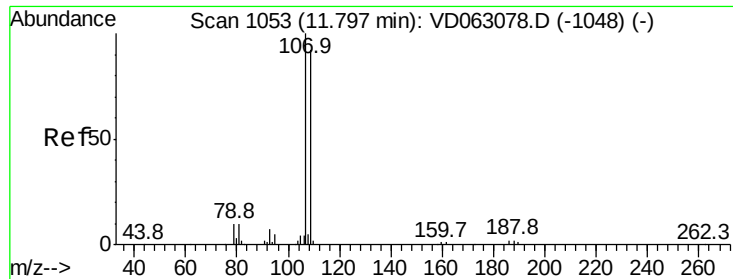
MMDadoda
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#60
Dibromochloromethane
Concen: 51.195 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 129 Resp: 488838
Ion Ratio Lower Upper
129 100
127 75.4 37.0 110.9





#61

1,2-Dibromoethane

Concen: 52.551 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 313341

Ion Ratio Lower Upper

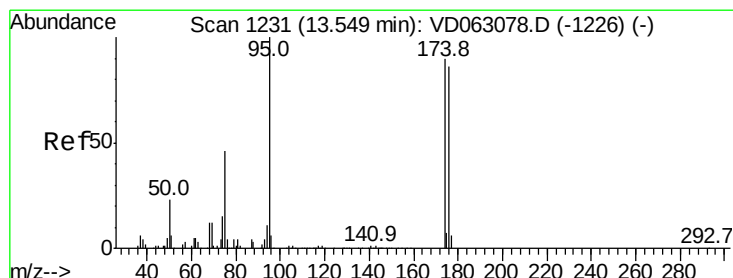
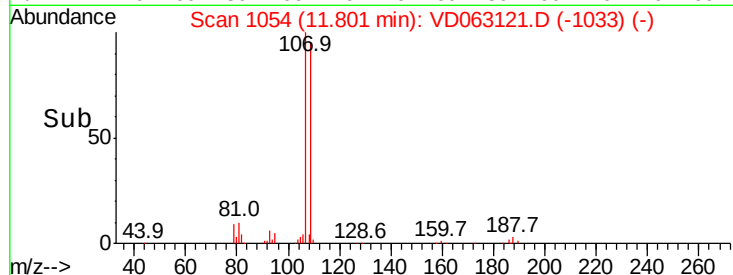
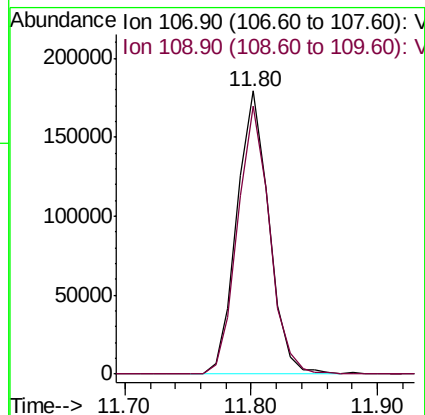
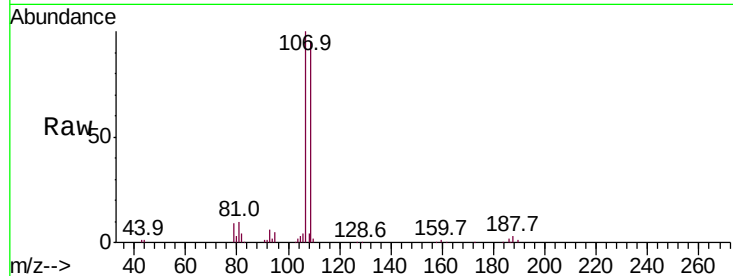
107 100

109 94.7 73.6 110.4

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#62

4-Bromofluorobenzene

Concen: 49.242 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

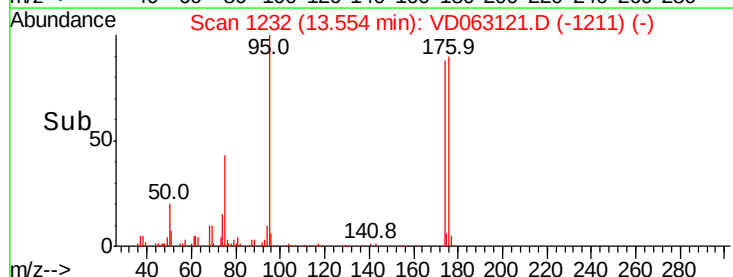
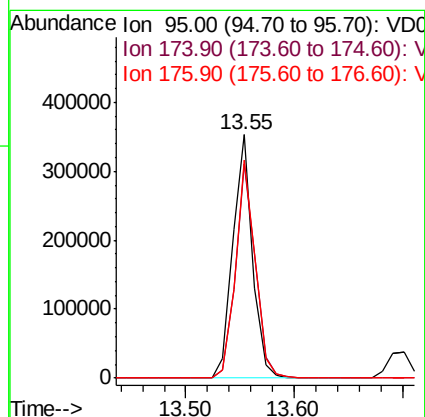
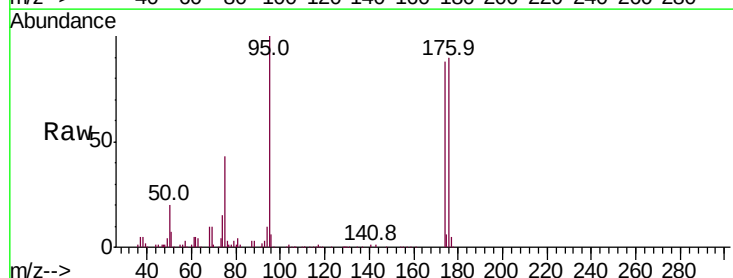
Tgt Ion: 95 Resp: 446639

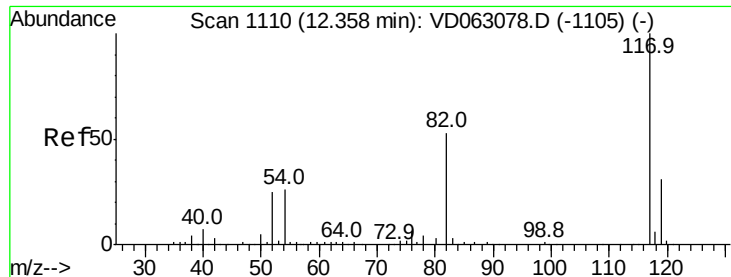
Ion Ratio Lower Upper

95 100

174 87.9 0.0 180.6

176 89.6 0.0 172.2





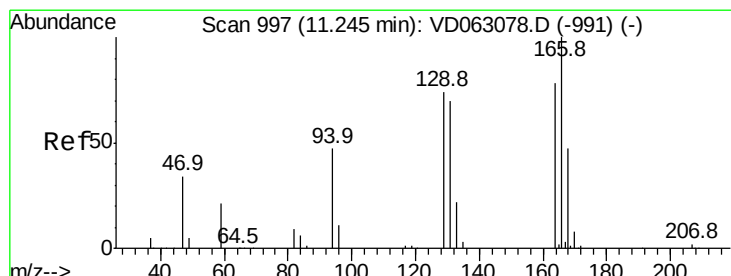
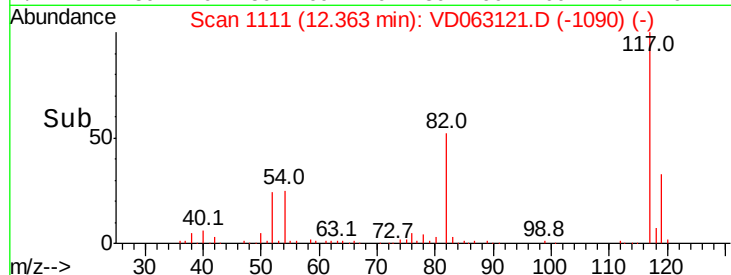
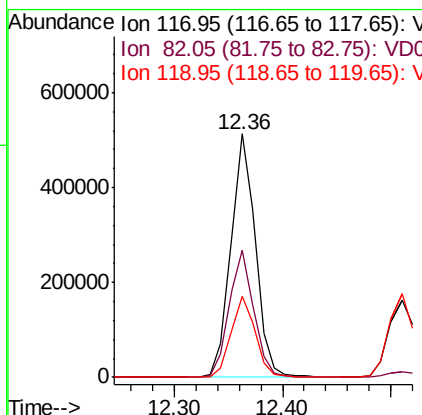
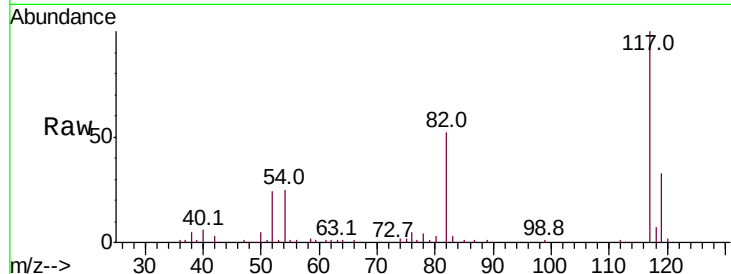
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.3	63.5
119	33.5	25.2	37.8

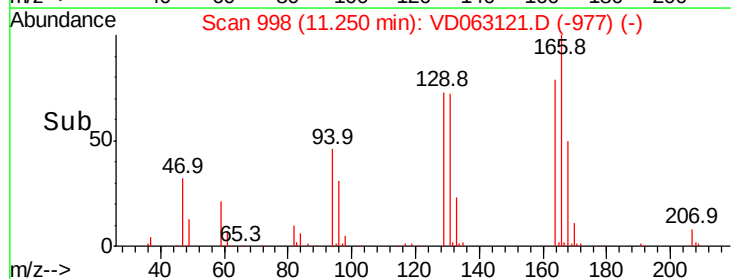
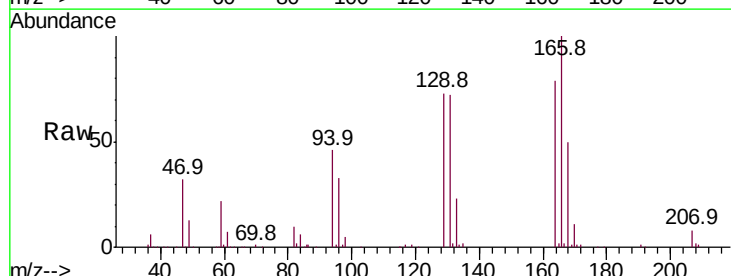
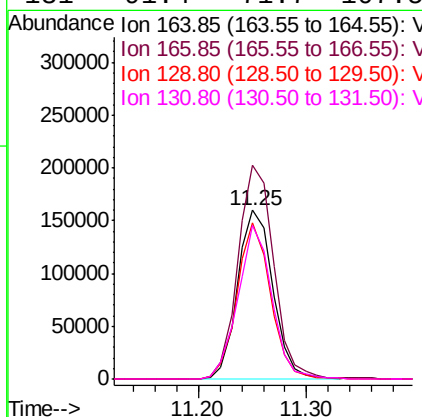
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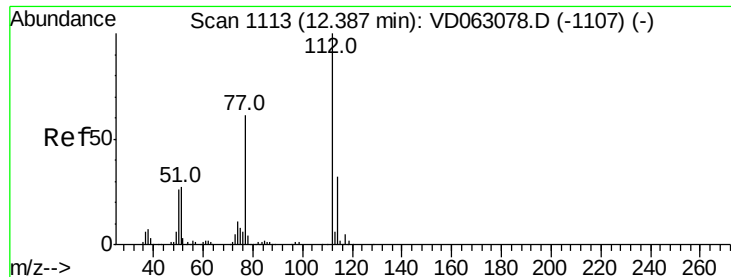
MMDadoda
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#64
Tetrachloroethene
Concen: 46.147 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	102.8	154.2
129	93.0	76.4	114.6
131	91.4	71.7	107.5





#65

Chlorobenzene

Concen: 48.059 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 916774

Ion Ratio Lower Upper

112 100

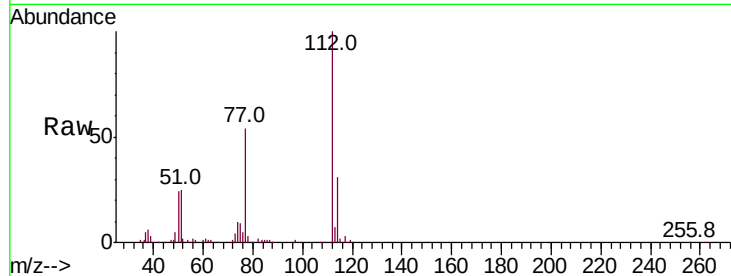
114 31.4 25.9 38.9

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

12.39

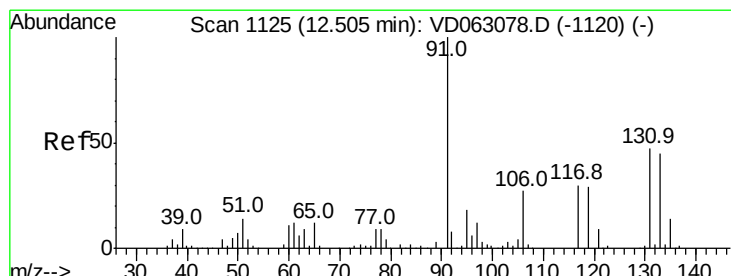
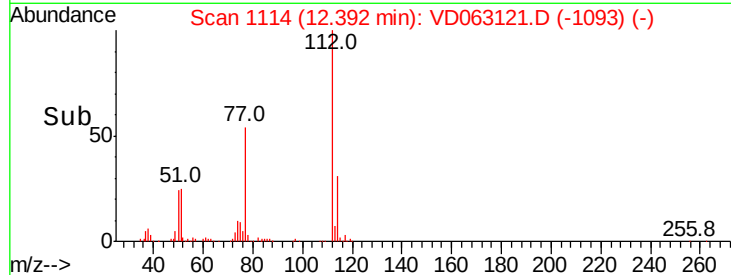
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.504 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

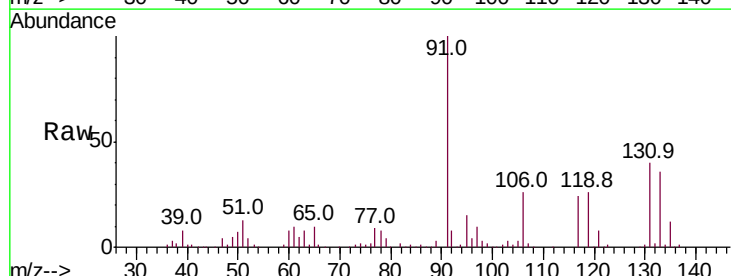
Tgt Ion:131 Resp: 437829

Ion Ratio Lower Upper

131 100

133 92.1 48.5 145.6

119 65.3 30.8 92.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

12.51

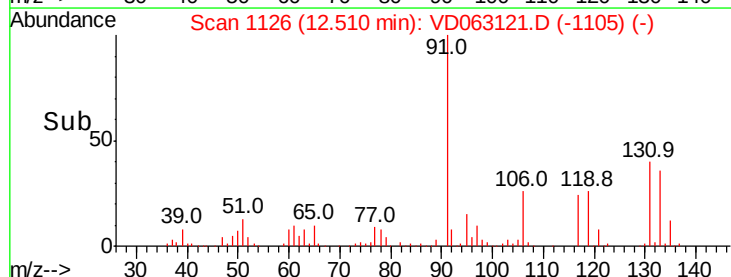
300000

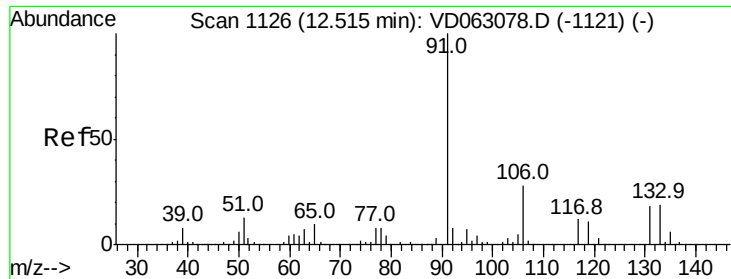
200000

100000

0

Time-->





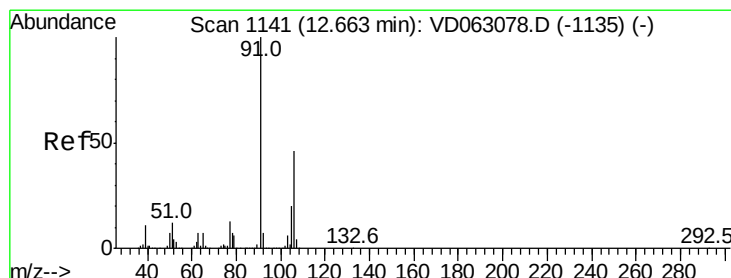
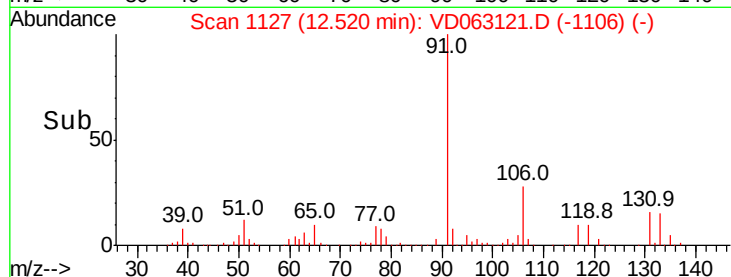
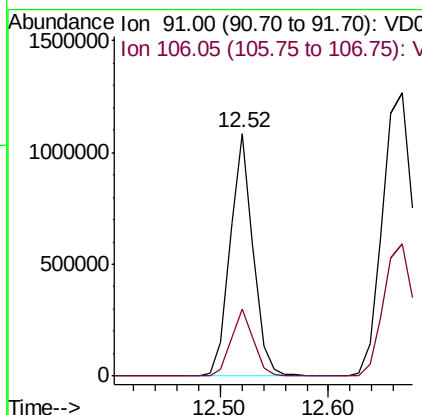
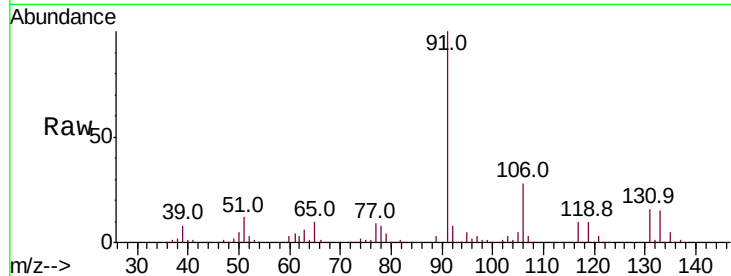
#67
Ethyl Benzene
Concen: 48.178 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1596854
Ion Ratio Lower Upper
91 100
106 27.6 22.5 33.7

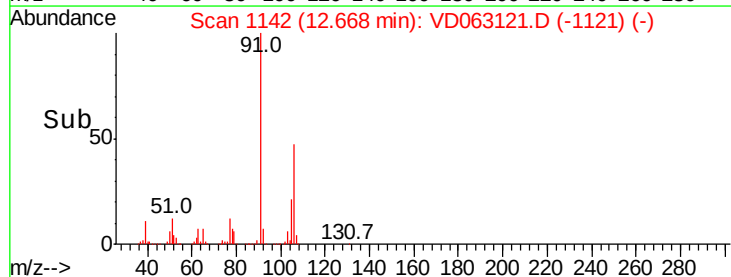
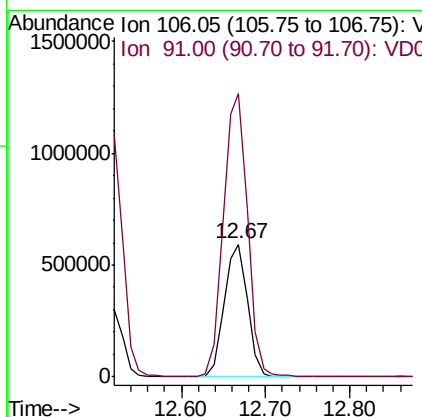
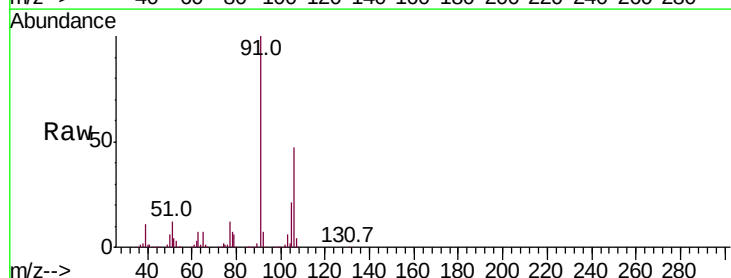
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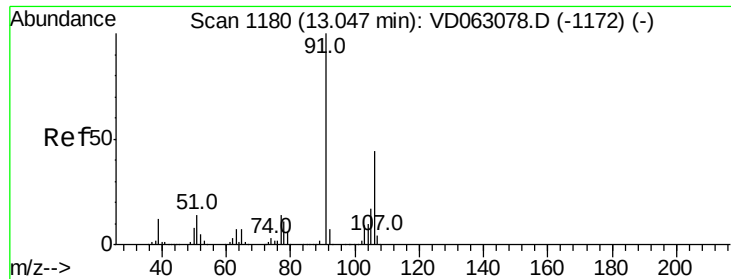
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#68
m/p-Xylenes
Concen: 95.709 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 106 Resp: 1136222
Ion Ratio Lower Upper
106 100
91 213.1 173.0 259.6





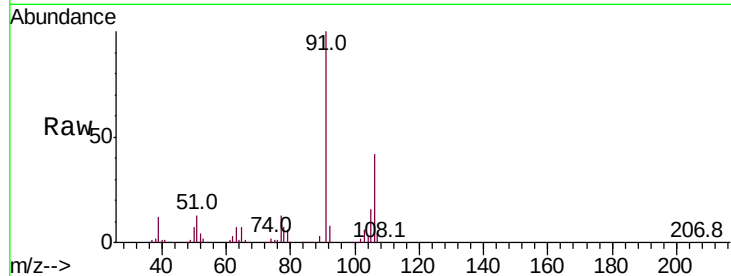
#69
o-Xylene
Concen: 48.249 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

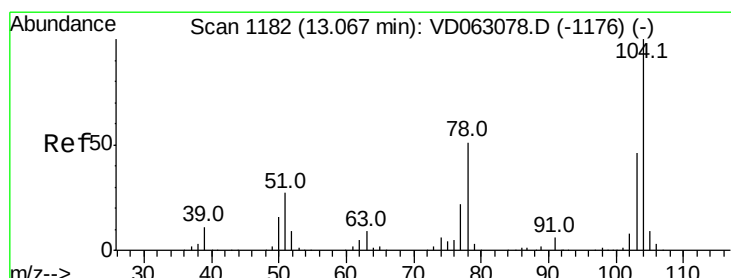
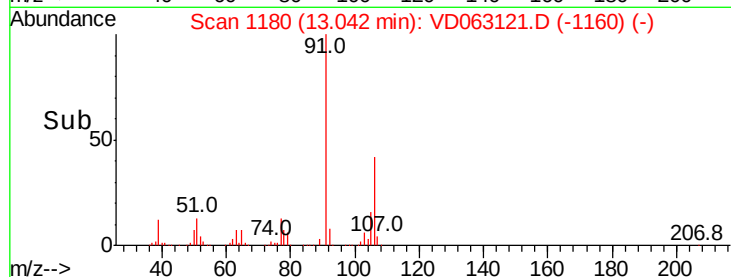
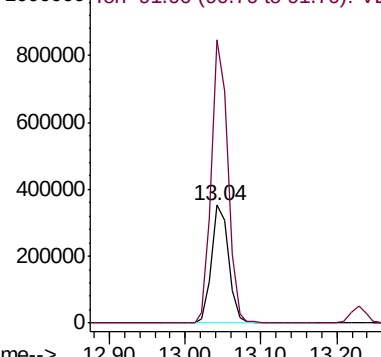
Tot Ion:106 Resp: 543136
Ion Ratio Lower Upper
106 100
91 239.5 114.9 344.7

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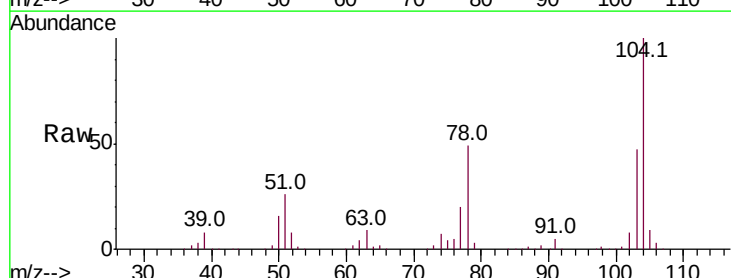


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

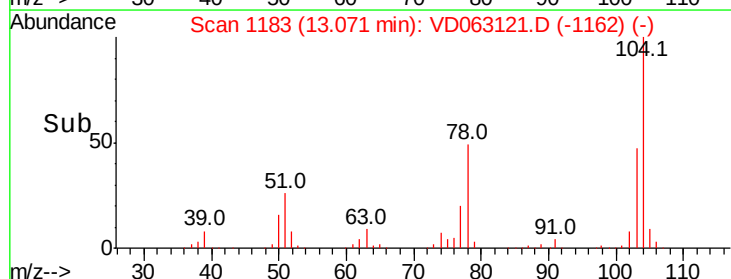
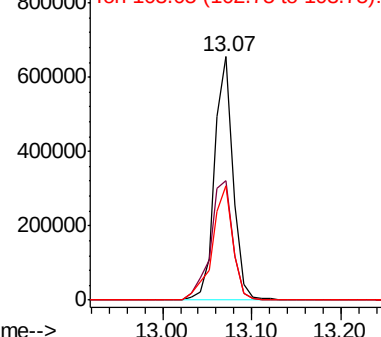


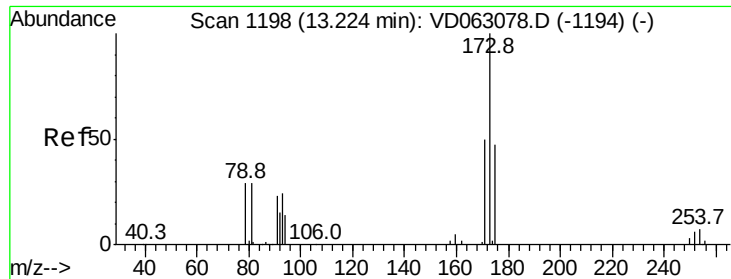
#70
Styrene
Concen: 48.096 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion:104 Resp: 947683
Ion Ratio Lower Upper
104 100
78 48.9 41.1 61.7
103 47.0 37.0 55.6



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





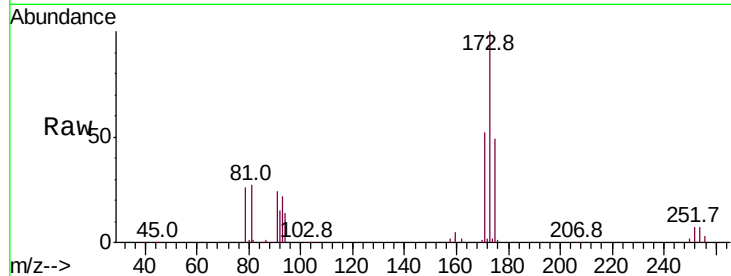
#71
Bromoform
Concen: 50.476 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

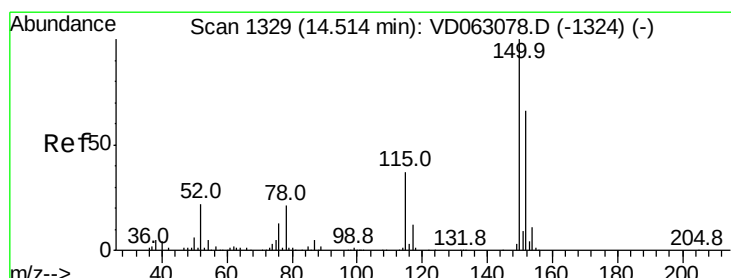
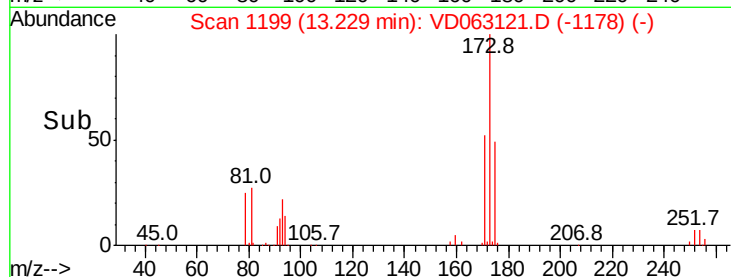
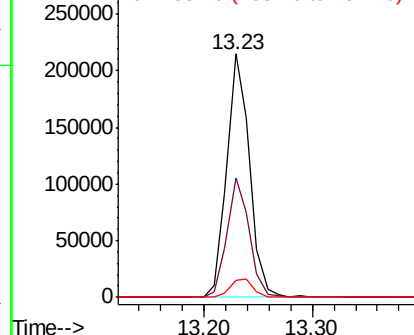
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.4	70.2
254	6.9	5.4	8.0

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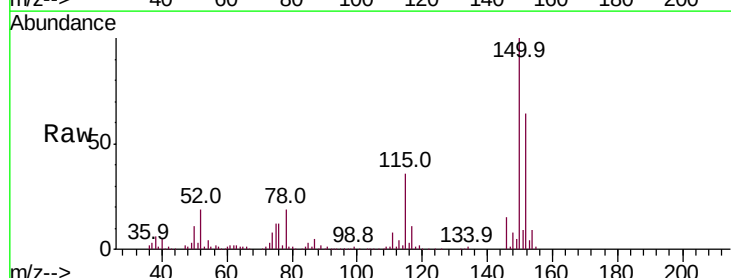


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

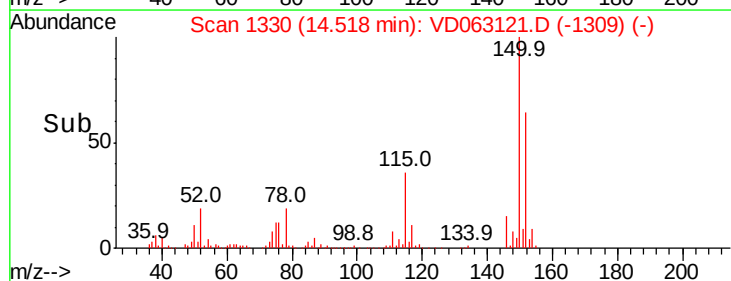
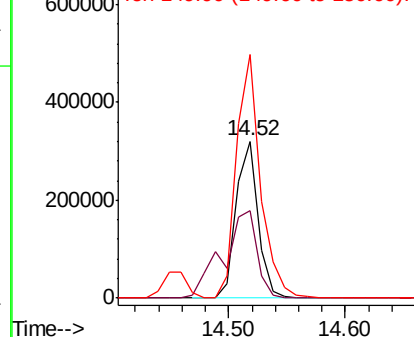


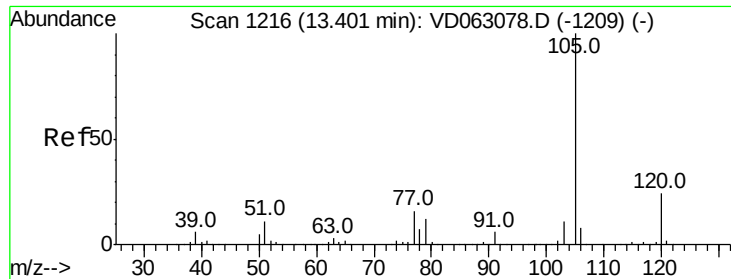
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.9	86.8
150	155.1	0.0	313.8



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





#73

Isopropylbenzene

Concen: 49.858 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1612769

Ion Ratio Lower Upper

105 100

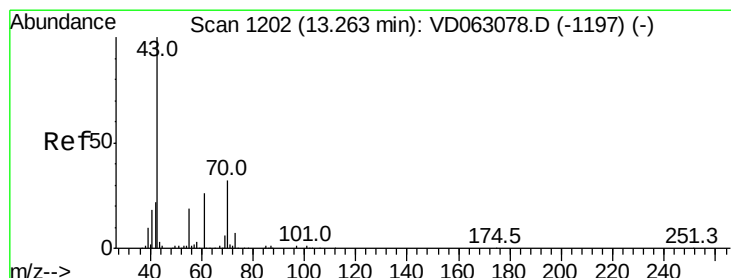
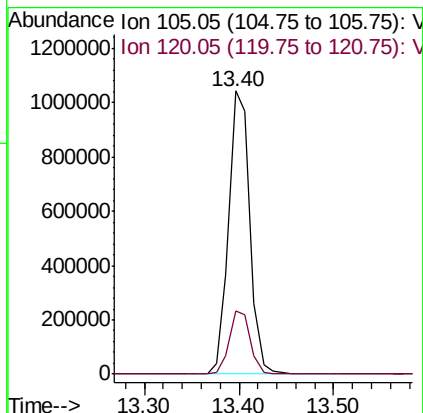
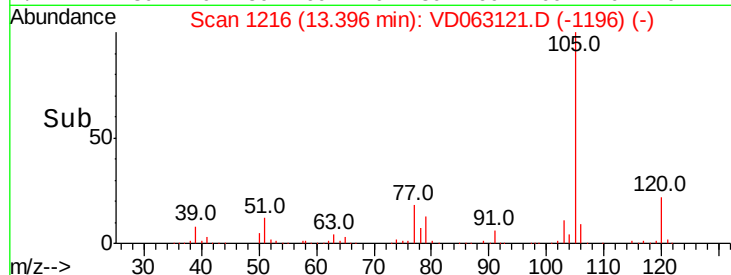
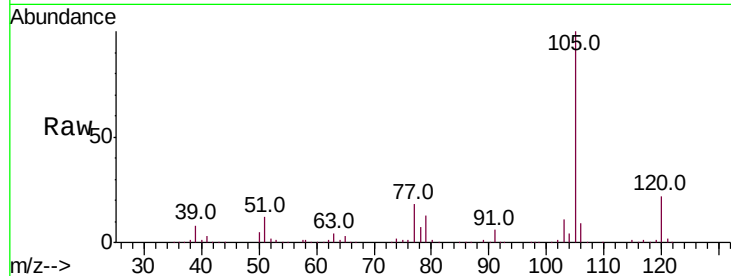
120 22.3 12.2 36.4

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#74

N-ethyl acetate

Concen: 48.227 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Tgt Ion: 43 Resp: 435073

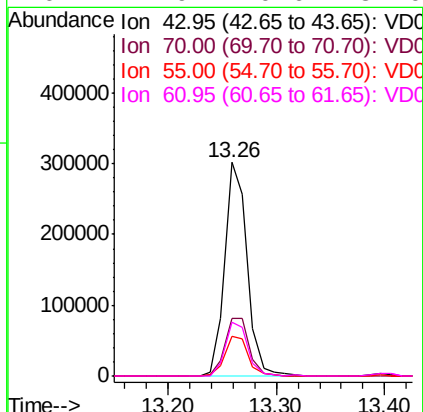
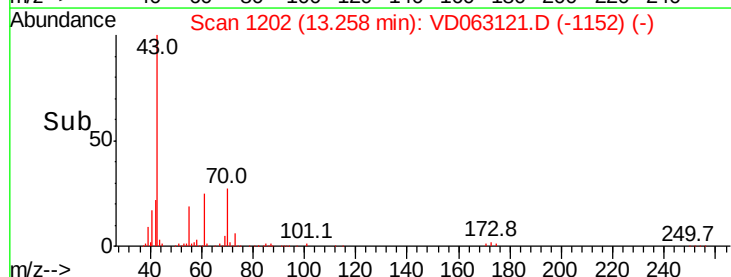
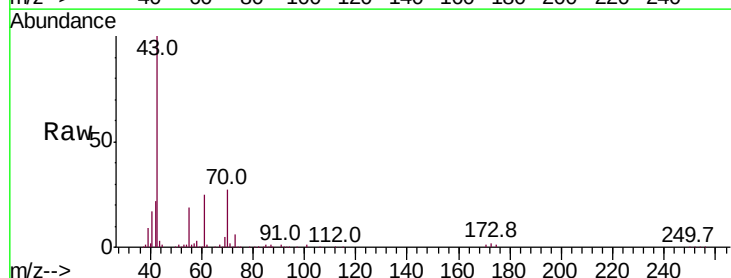
Ion Ratio Lower Upper

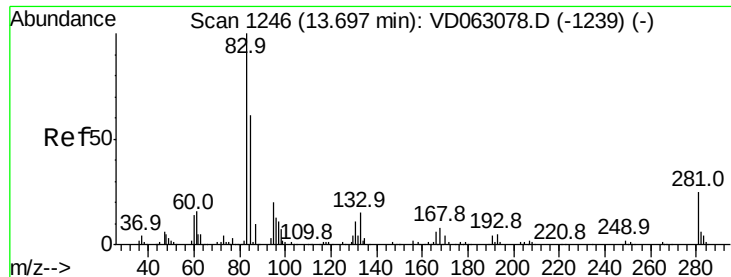
43 100

70 27.1 25.5 38.3

55 18.7 15.4 23.0

61 24.9 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.287 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 295956
Ion Ratio Lower Upper

83 100

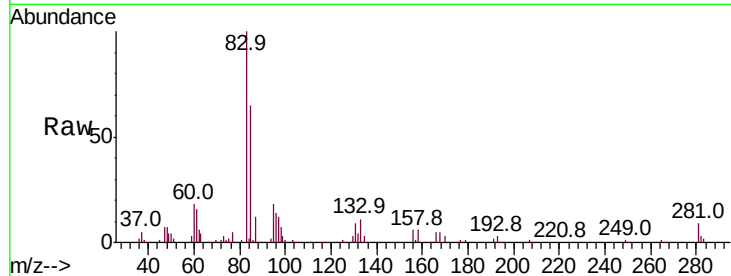
131 9.5 5.5 16.7

85 65.4 30.7 92.1

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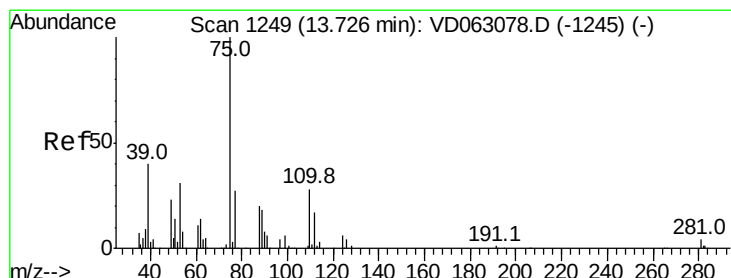
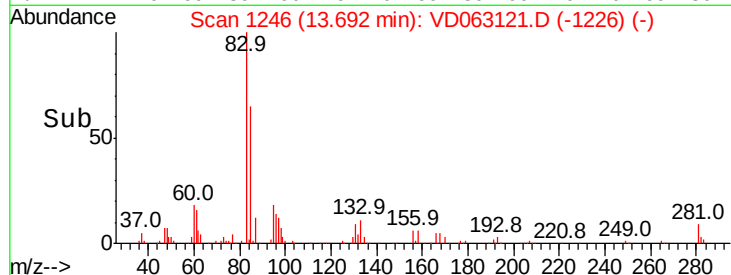
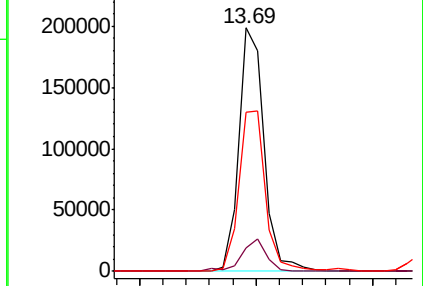
7/18/2019 10:01:25 AM



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



#76

1,2,3-Trichloropropane

Concen: 48.568 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

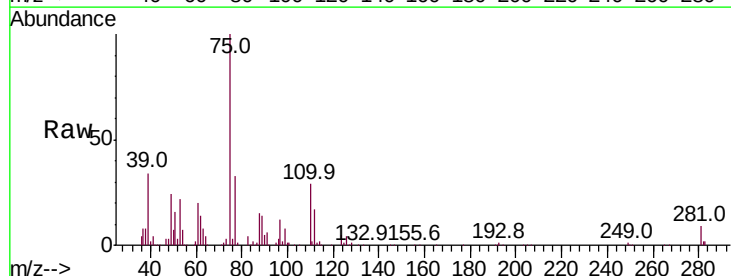
Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Tgt Ion: 75 Resp: 312935
Ion Ratio Lower Upper

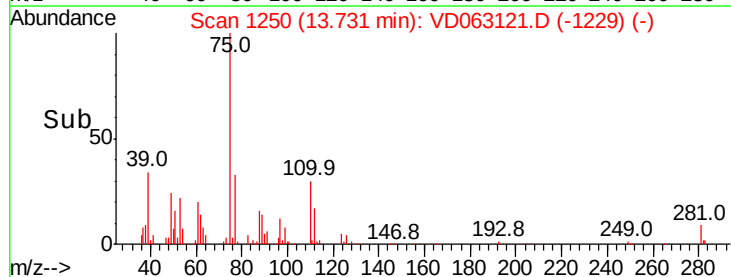
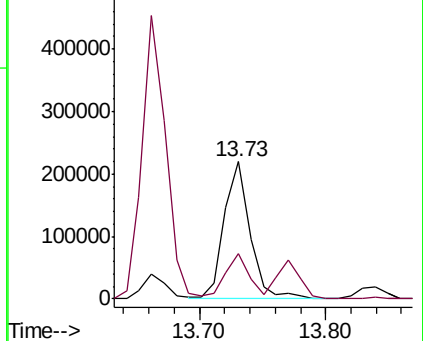
75 100

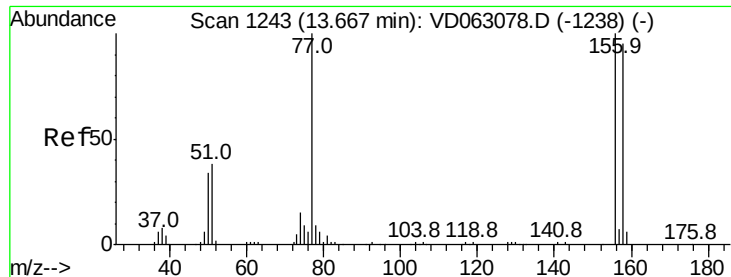
77 32.6 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.624 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 473554

Ion Ratio Lower Upper

156 100

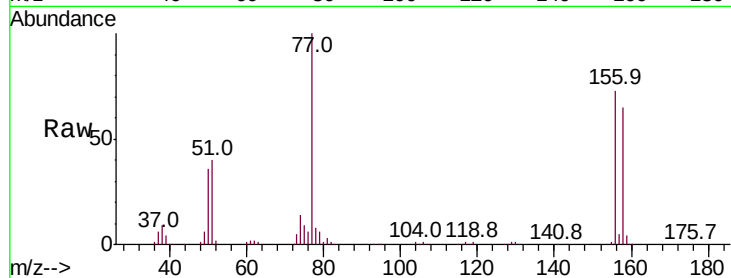
77 137.8 50.2 150.7

158 90.2 47.6 142.9

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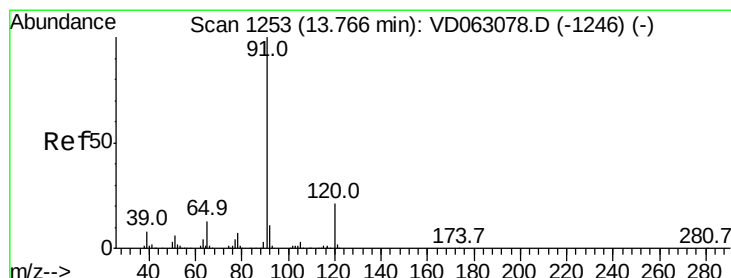
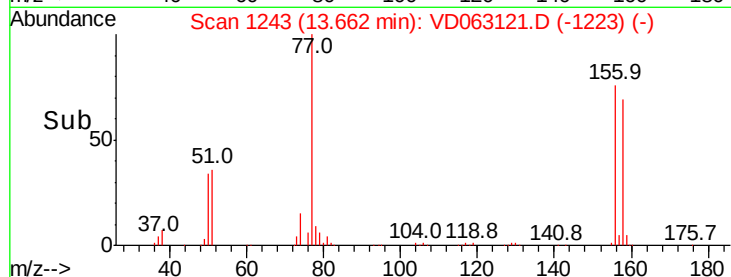
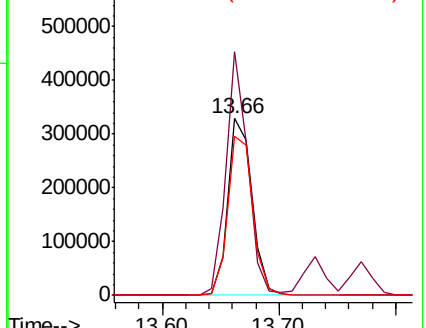
7/18/2019 10:01:25 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.251 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063121.D

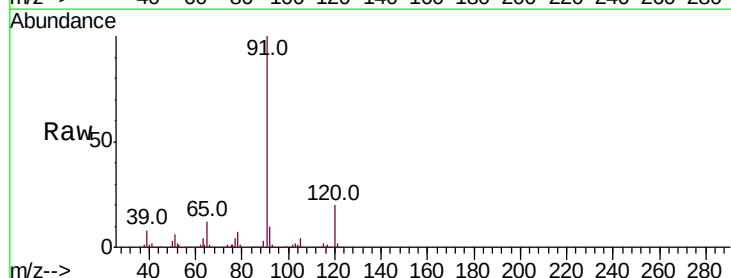
Acq: 17 Jul 2019 10:15

Tgt Ion: 91 Resp: 1870570

Ion Ratio Lower Upper

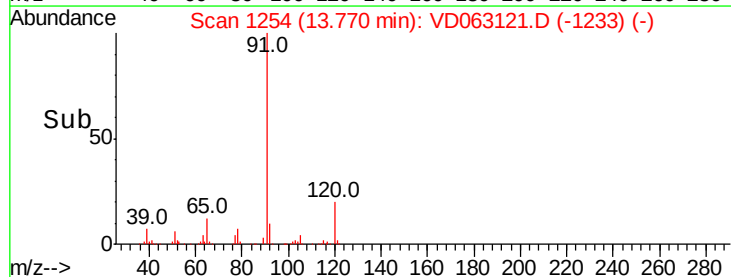
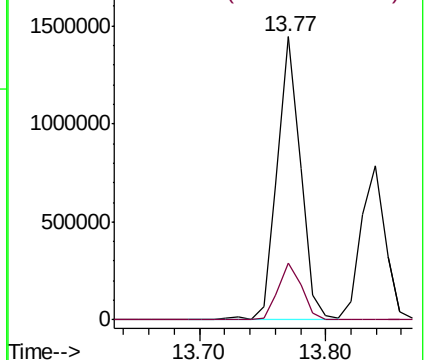
91 100

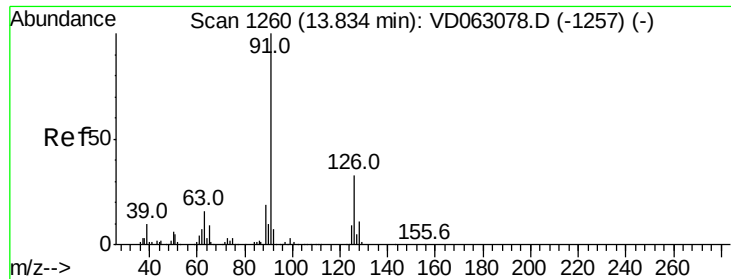
120 20.0 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





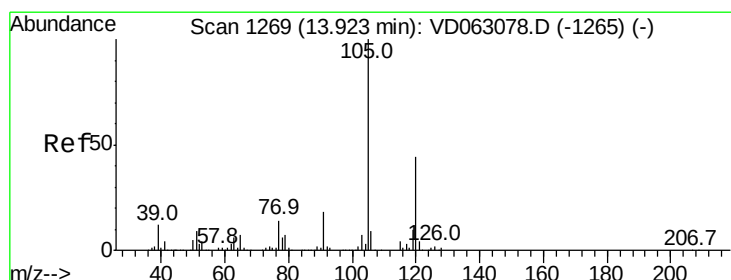
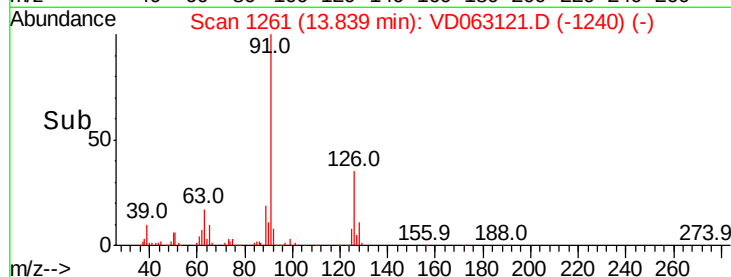
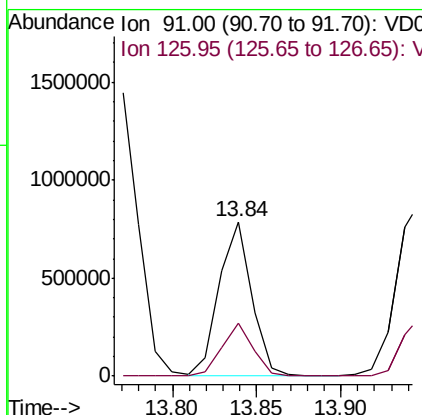
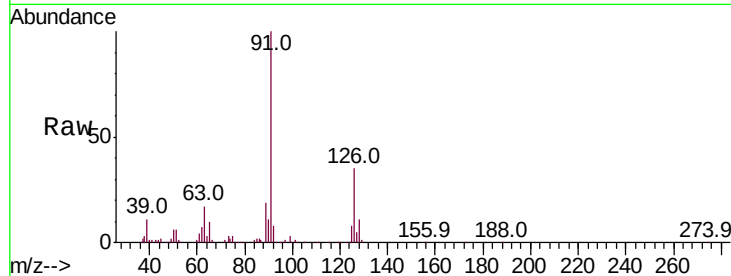
#79
 2-Chlorotoluene
 Concen: 47.175 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1061771
 Ion Ratio Lower Upper
 91 100
 126 34.5 16.4 49.2

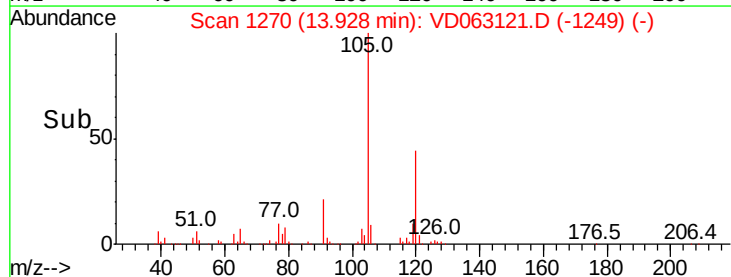
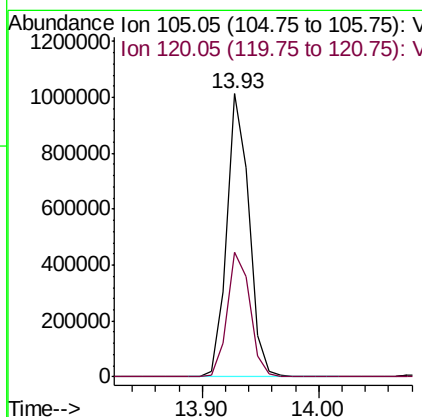
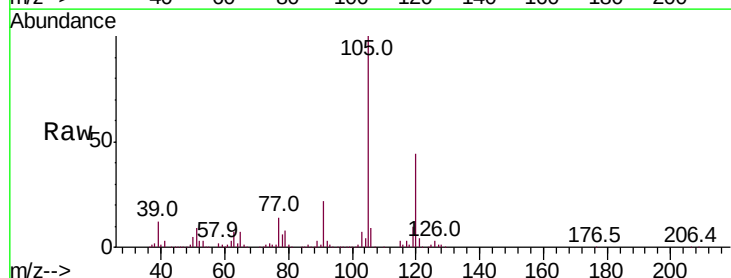
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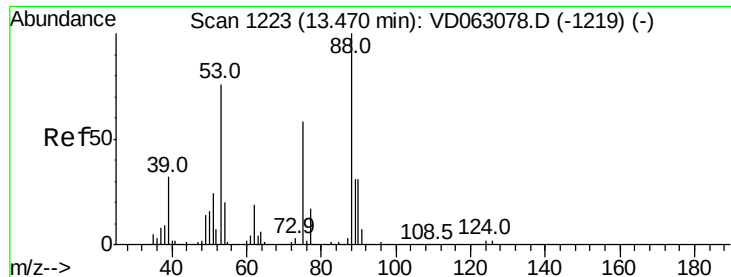
MMDadoda
 7/18/2019 10:01:25 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 47.293 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Tgt Ion: 105 Resp: 1333292
 Ion Ratio Lower Upper
 105 100
 120 43.9 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 52.740 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD063121.D

Acq: 17 Jul 2019 10:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 89486

Ion Ratio Lower Upper

75 100

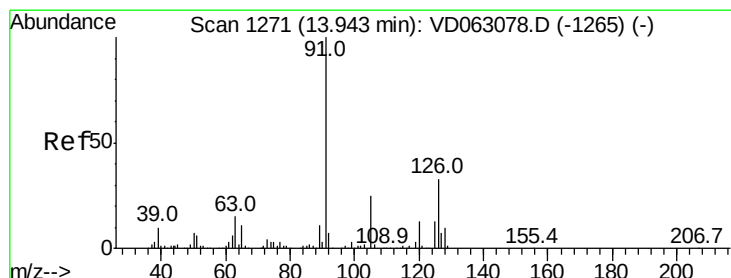
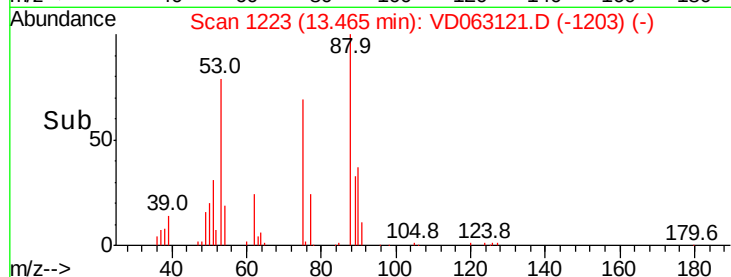
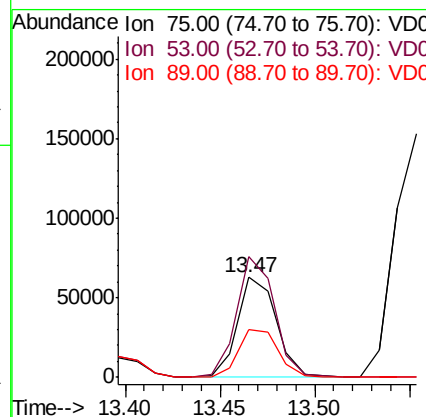
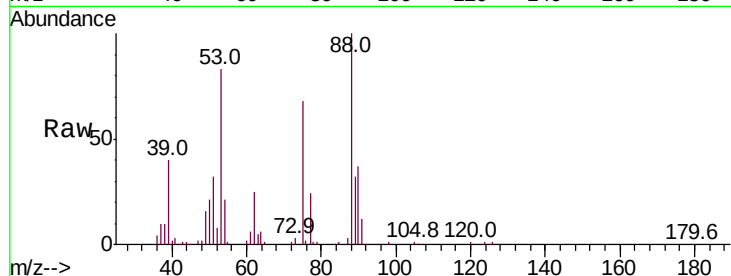
53 121.1 104.4 156.6

89 47.3 43.1 64.7

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#82

4-Chlorotoluene

Concen: 49.859 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD063121.D

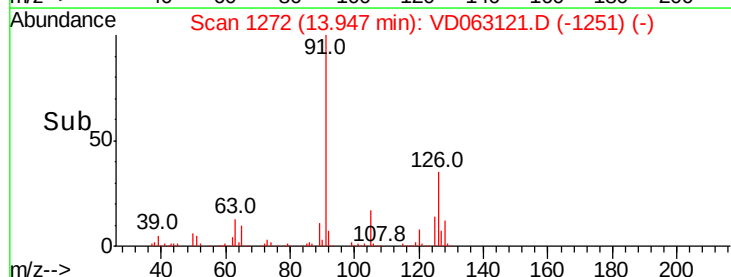
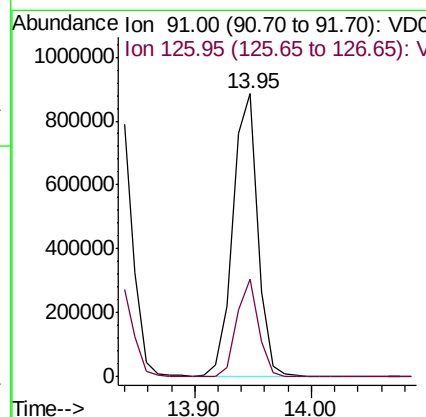
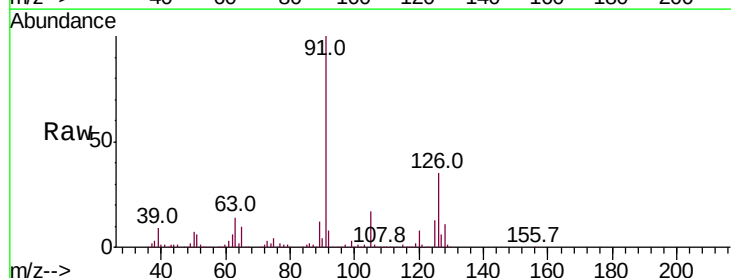
Acq: 17 Jul 2019 10:15

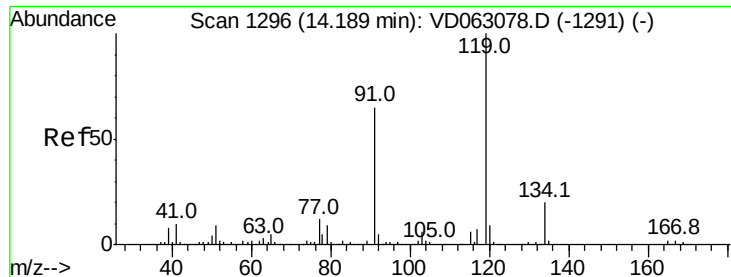
Tgt Ion: 91 Resp: 1310391

Ion Ratio Lower Upper

91 100

126 34.7 16.7 50.1





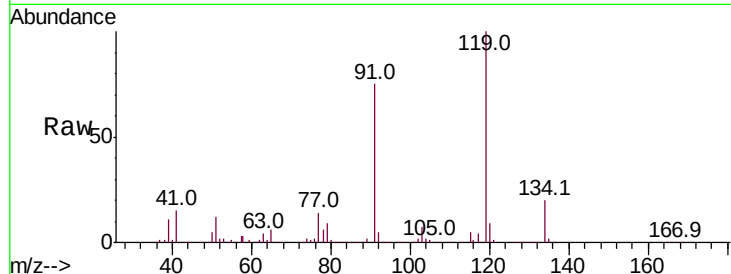
#83
 tert-Butylbenzene
 Concen: 48.703 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

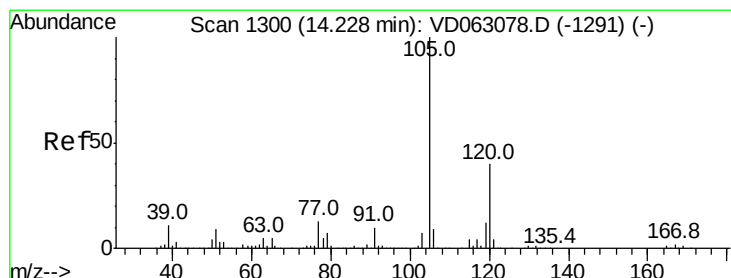
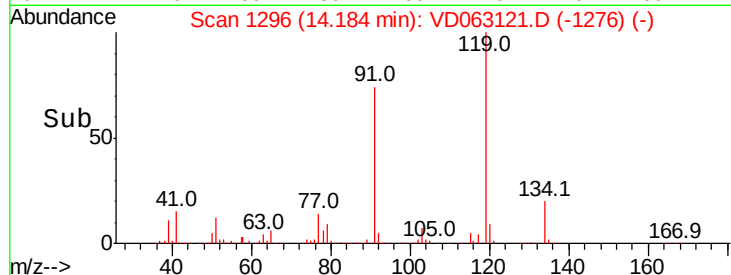
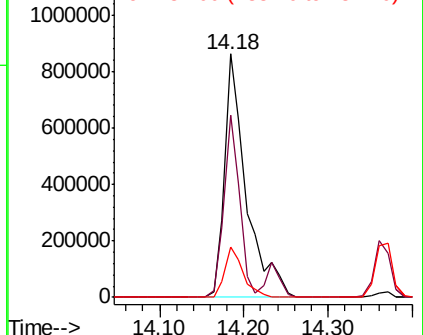
Tot Ion:119 Resp: 1552498
 Ion Ratio Lower Upper
 119 100
 91 74.7 32.4 97.2
 134 20.5 10.2 30.6

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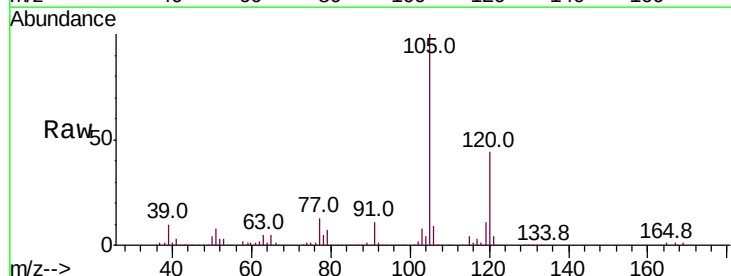


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

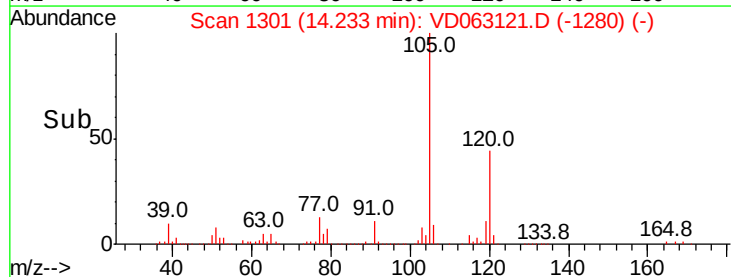
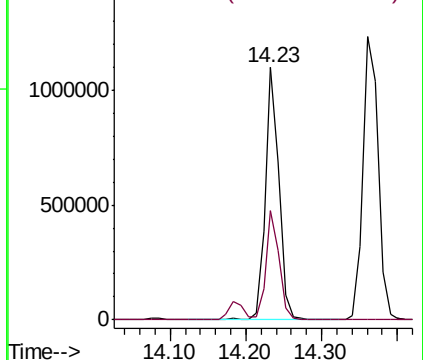


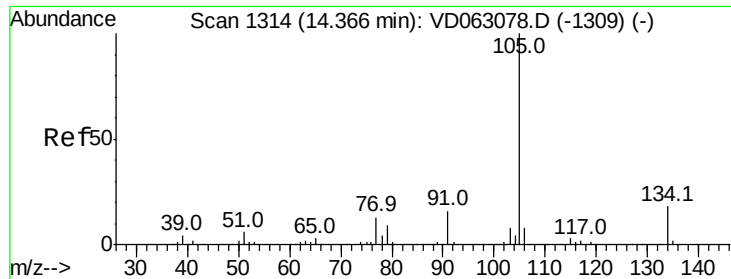
#84
 1,2,4-Trimethylbenzene
 Concen: 49.487 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Tgt Ion:105 Resp: 1390898
 Ion Ratio Lower Upper
 105 100
 120 43.5 20.2 60.6



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





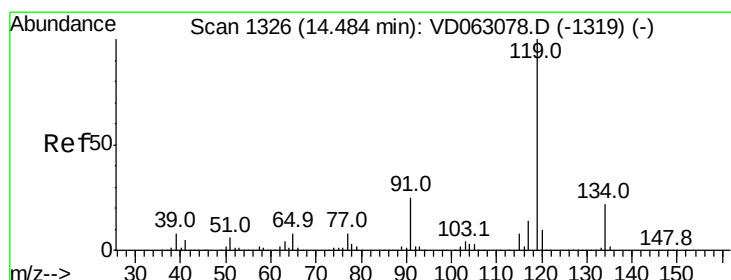
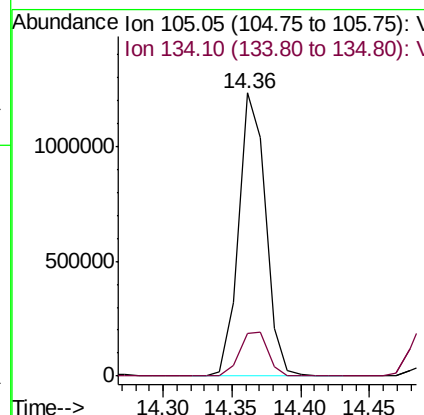
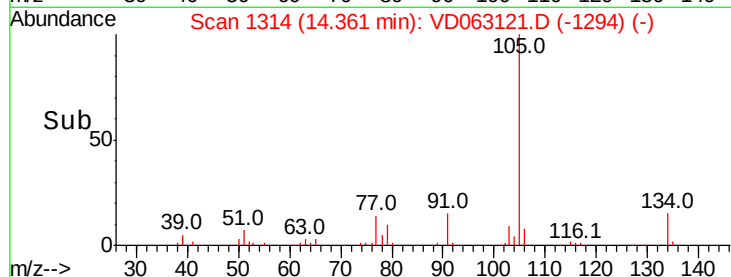
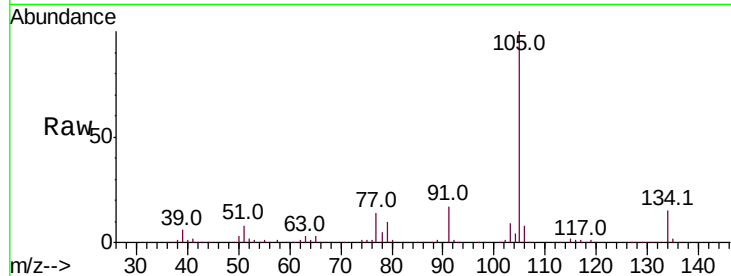
#85
 sec-Butylbenzene
 Concen: 49.746 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1684844
 Ion Ratio Lower Upper
 105 100
 134 15.0 8.9 26.8

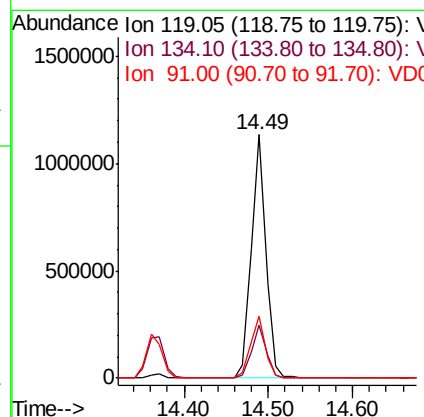
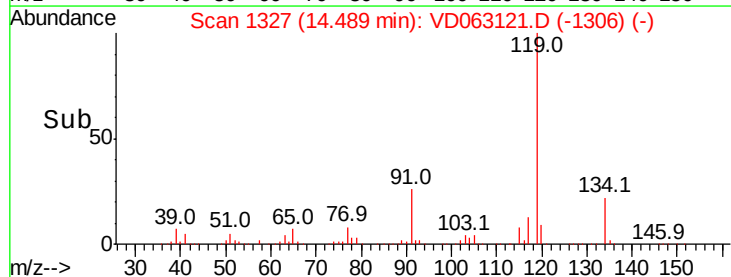
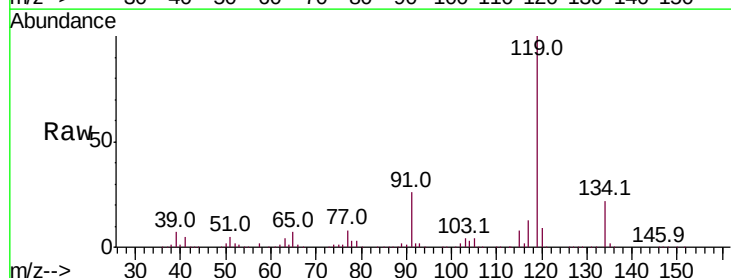
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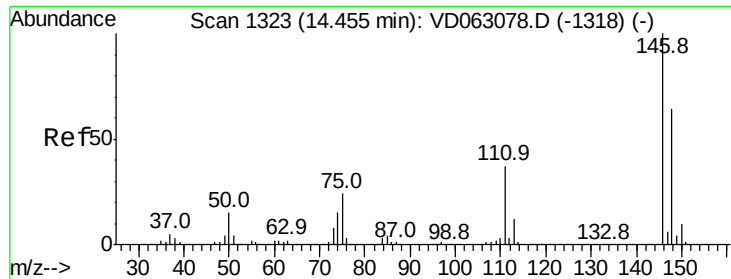
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#86
 p-Isopropyltoluene
 Concen: 43.365 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Tgt Ion:119 Resp: 1370138
 Ion Ratio Lower Upper
 119 100
 134 21.9 10.8 32.4
 91 25.6 12.5 37.5





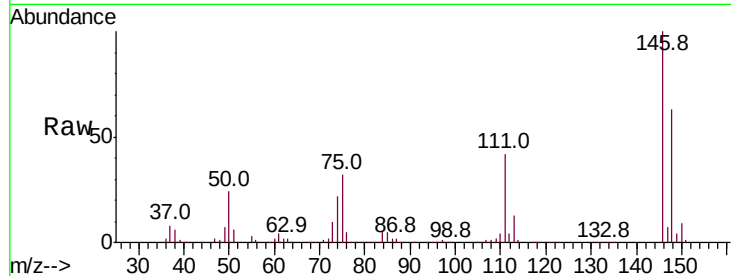
#87
 1,3-Dichlorobenzene
 Concen: 49.225 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	18.6	55.6
148	63.0	32.0	96.0

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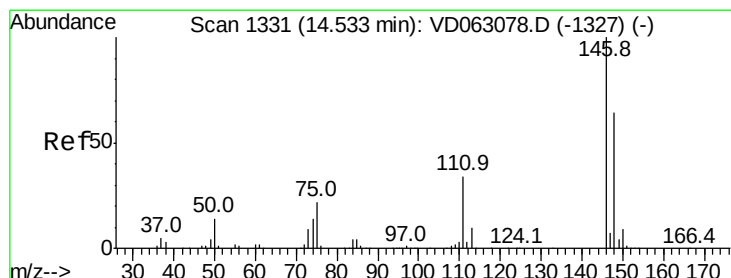
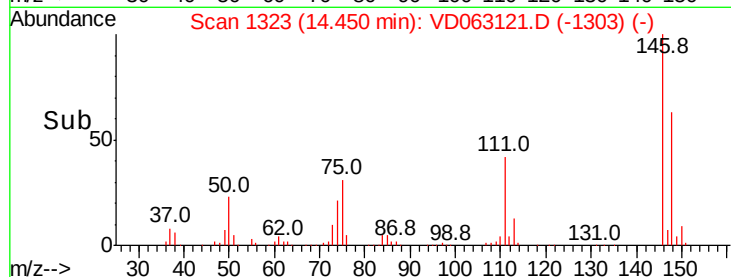
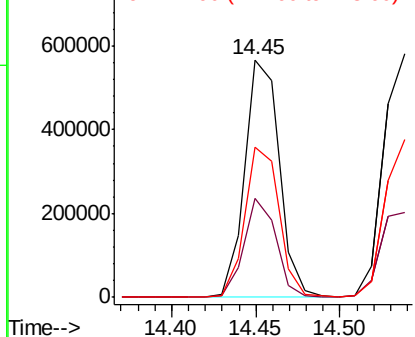


Abundance

Ion 145.95 (145.65 to 146.65): V

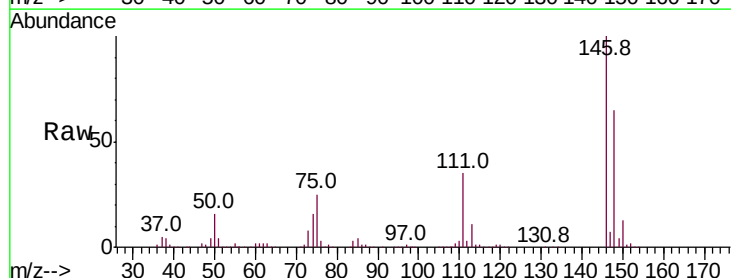
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 49.392 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.6	17.0	51.0
148	64.8	32.0	96.2

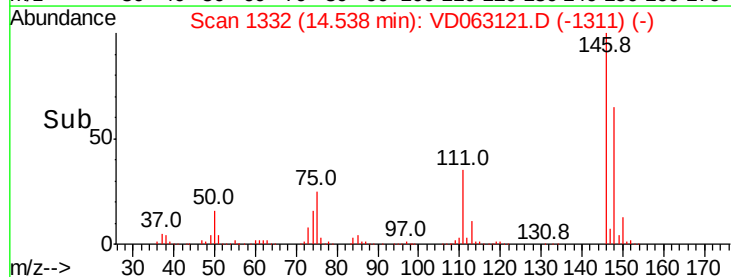
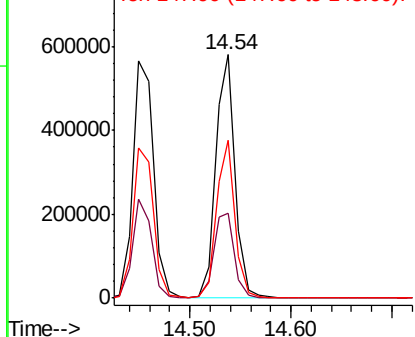


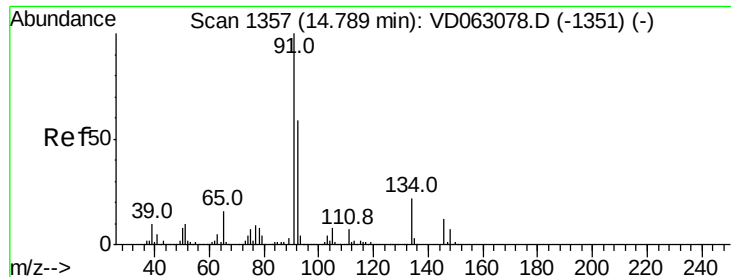
Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





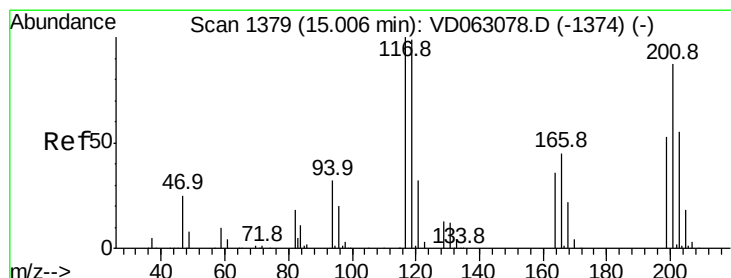
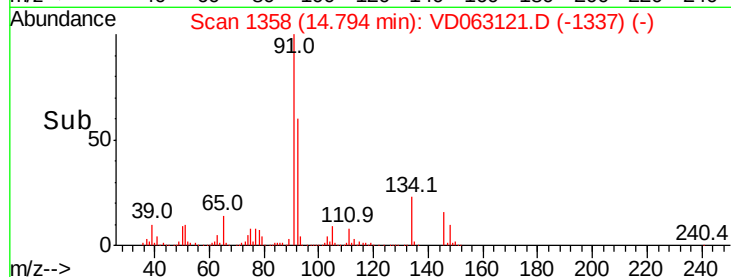
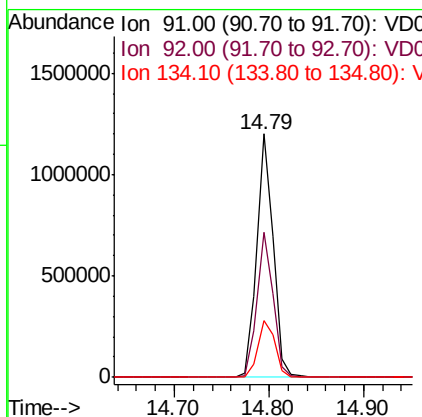
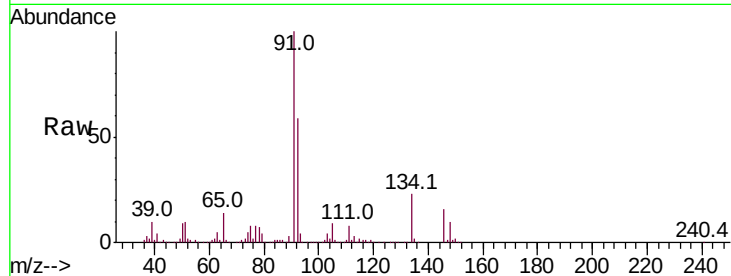
#89
n-Butylbenzene
Concen: 49.348 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1437092
Ion Ratio Lower Upper
91 100
92 59.5 29.4 88.3
134 23.2 11.3 33.8

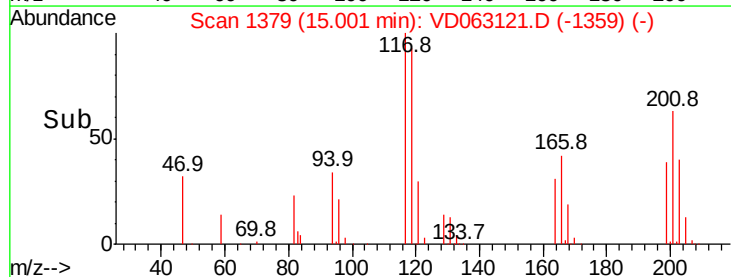
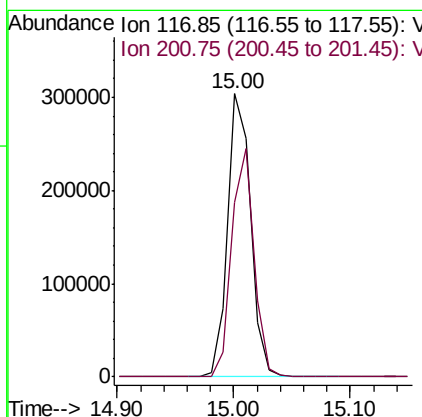
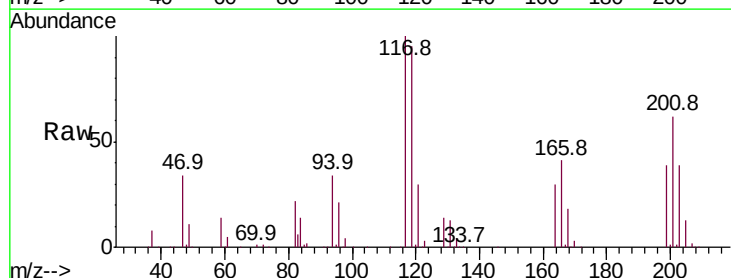
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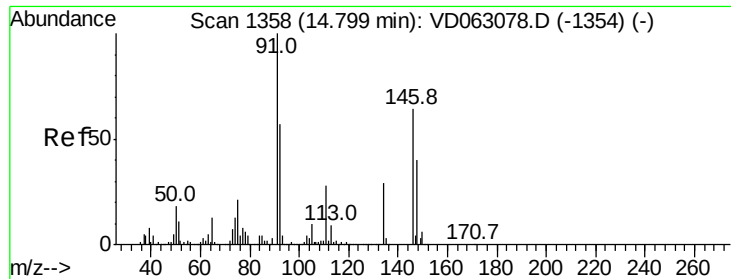
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#90
Hexachloroethane
Concen: 49.382 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion: 117 Resp: 417100
Ion Ratio Lower Upper
117 100
201 61.9 43.4 130.1





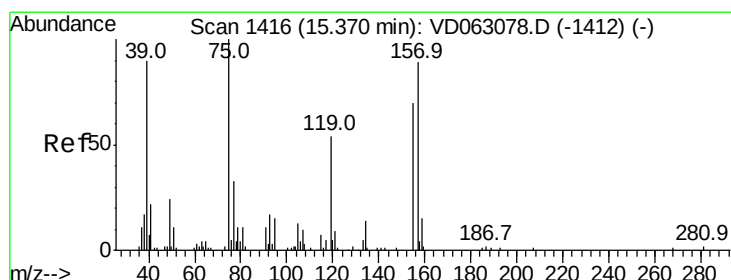
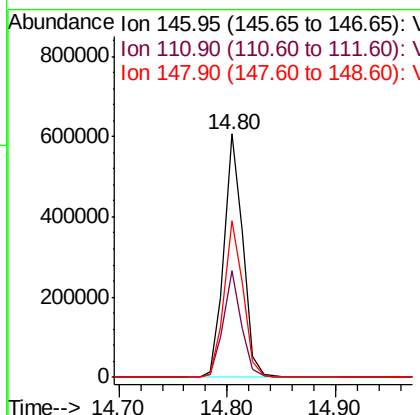
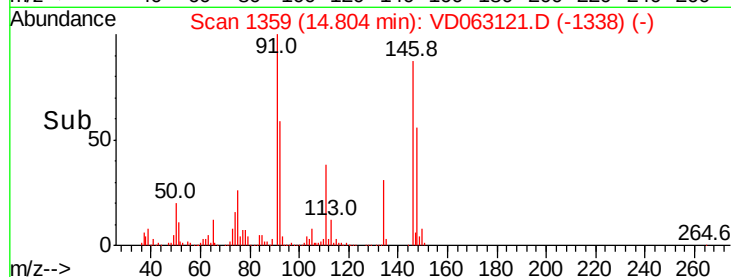
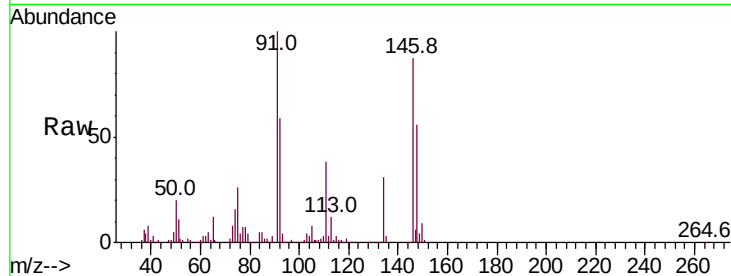
#91
1,2-Dichlorobenzene
Concen: 50.541 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.5
148	64.3	31.5	94.5

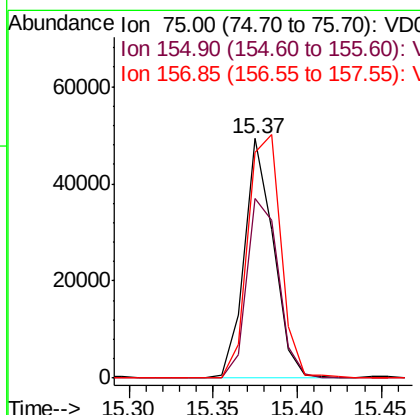
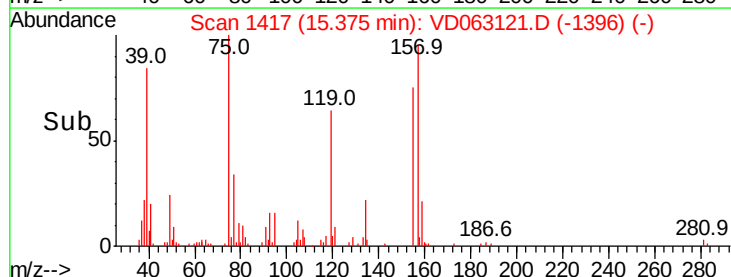
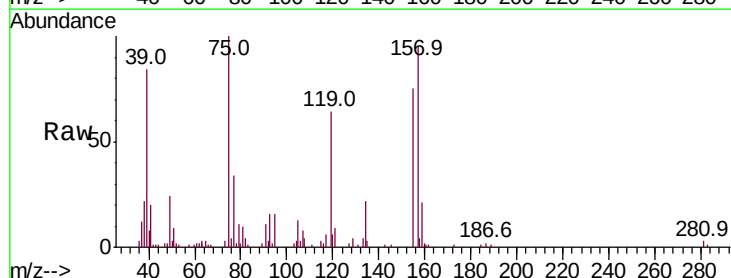
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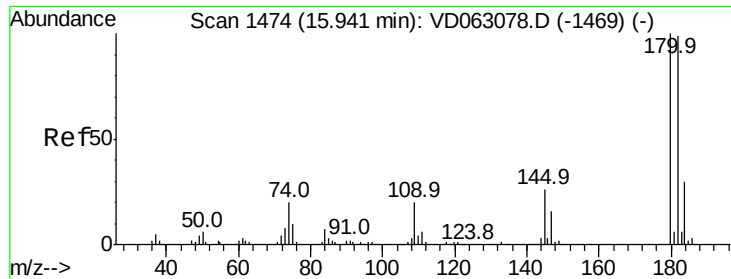
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#92
1,2-Dibromo-3-Chloropropane
Concen: 52.499 ug/l
RT: 15.37 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.9	34.8	104.3
157	94.5	44.7	134.1





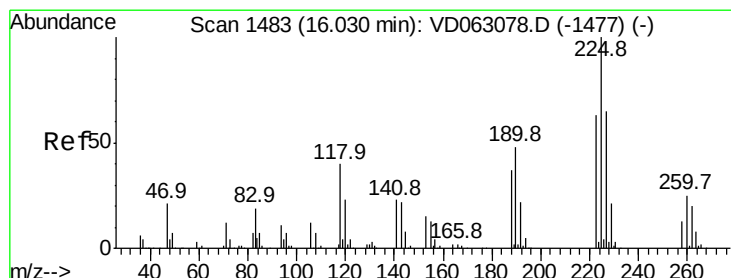
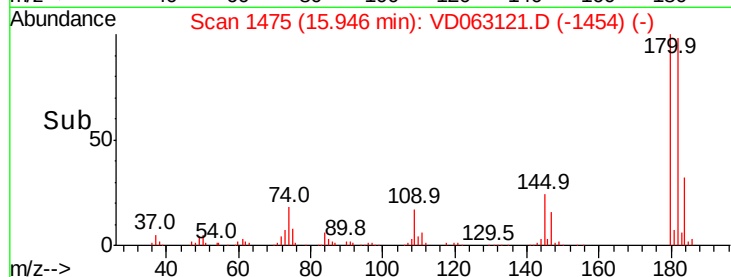
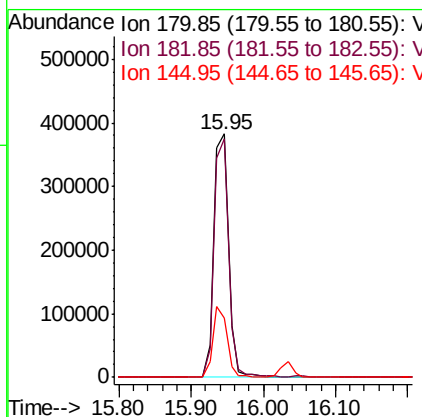
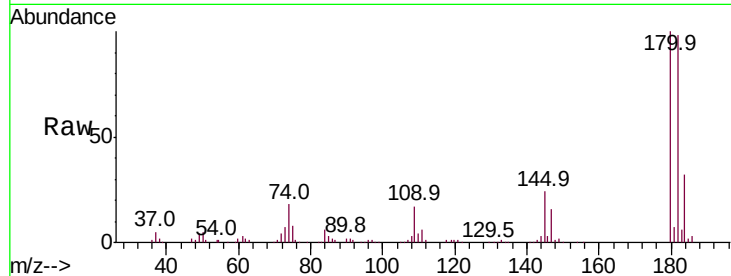
#93
 1,2,4-Trichlorobenzene
 Concen: 48.872 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.0	49.5	148.3	
145	24.3	12.8	38.4	

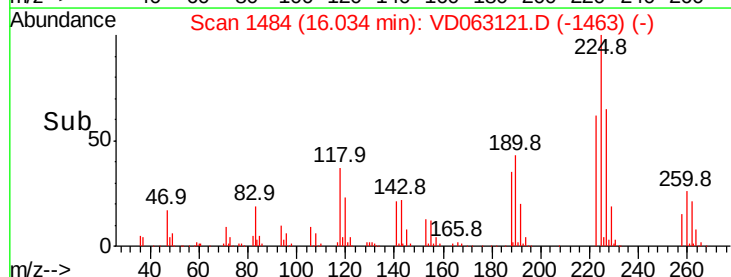
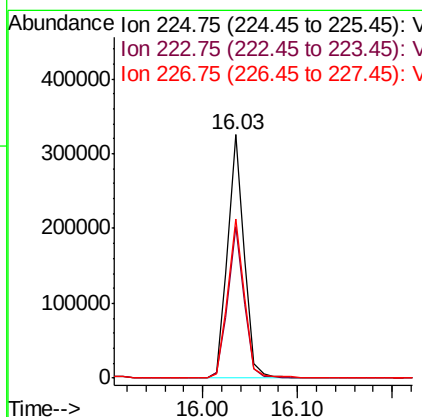
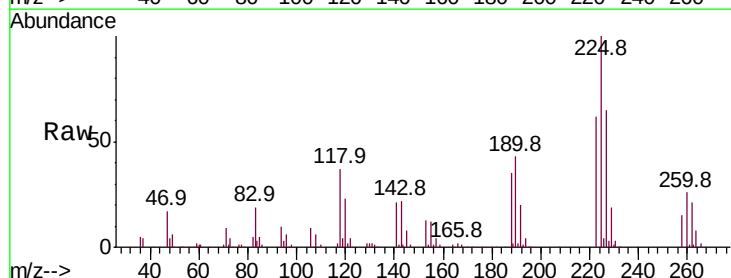
Manual Integrations
 APPROVED

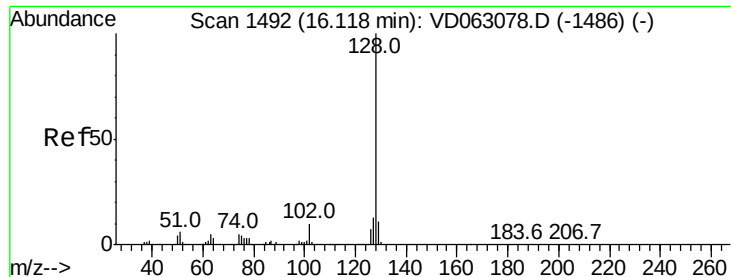
MMDadoda
 7/18/2019 10:01:25 AM



#94
 Hexachlorobutadiene
 Concen: 48.662 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063121.D
 Acq: 17 Jul 2019 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	31.4	94.2	
227	65.3	32.6	97.8	





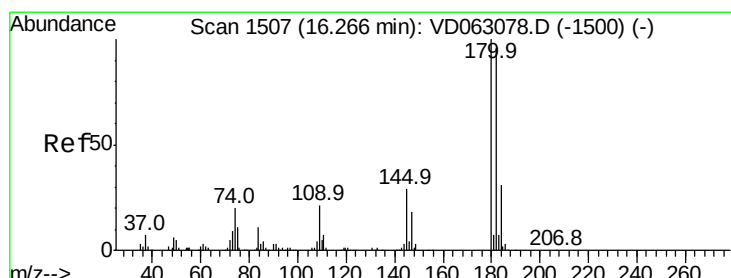
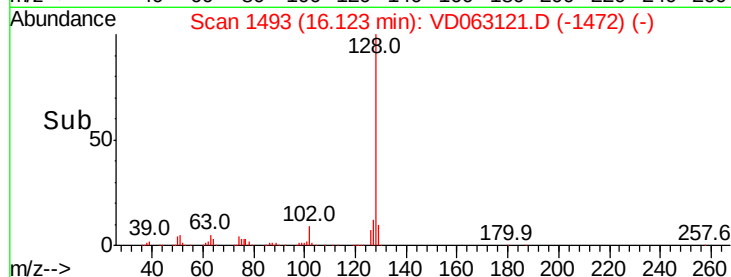
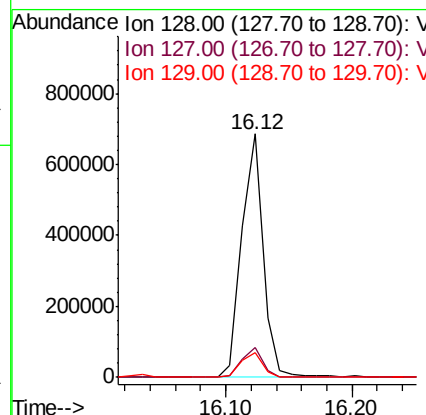
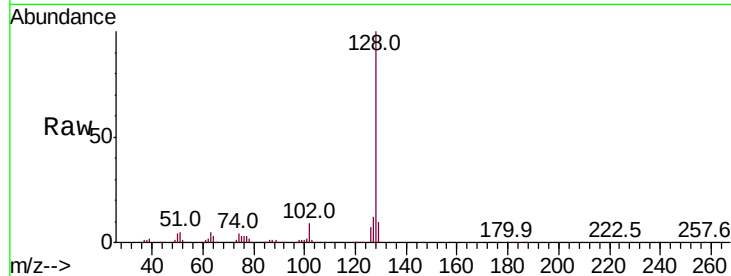
#95
Naphthalene
Concen: 49.990 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.7	16.1
129	10.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/18/2019 10:01:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 44.405 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063121.D
Acq: 17 Jul 2019 10:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.9	143.6
145	27.5	14.4	43.4

