

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071019\
 Data File : VD063056.D
 Acq On : 10 Jul 2019 14:07
 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
 7/13/2019 1:29:05 AM

Quant Time: Jul 11 07:09:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	986142	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1366997	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	1167659	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	586001	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	490176	45.73	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	91.46%	
35) Dibromofluoromethane	6.92	113	540818	46.92	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.84%	
50) Toluene-d8	10.40	98	1207892	48.15	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.30%	
62) 4-Bromofluorobenzene	13.55	95	538670	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	549290	43.044	ug/l	99
3) Chloromethane	1.75	50	418730	43.631	ug/l	91
4) Vinyl Chloride	1.85	62	465029	48.871	ug/l	98
5) Bromomethane	2.15	94	194958	43.750	ug/l	98
6) Chloroethane	2.26	64	197376	45.816	ug/l	93
7) Trichlorofluoromethane	2.53	101	950205	49.342	ug/l	100
8) Diethyl Ether	2.87	74	122365	50.010	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.15	101	595089	57.040	ug/l	95
10) Methyl Iodide	3.29	142	734638	53.374	ug/l	96
11) Tert butyl alcohol	4.07	59	132318	271.031	ug/l	97
12) 1,1-Dichloroethene	3.12	96	398247	50.885	ug/l	91
13) Acrolein	3.03	56	96941	194.505	ug/l	93
14) Allyl chloride	3.61	41	631694	54.625	ug/l	92
15) Acrylonitrile	4.19	53	342256	298.355	ug/l	94
16) Acetone	3.22	43	651181	300.991	ug/l #	92
17) Carbon Disulfide	3.36	76	1140676	45.604	ug/l	96
18) Methyl Acetate	3.64	43	176055	54.407	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	966524	57.047	ug/l	99
20) Methylene Chloride	3.81	84	409957	50.148	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	451352	54.162	ug/l	91
22) Diisopropyl ether	5.12	45	1388954	59.060	ug/l	93
23) Vinyl Acetate	5.05	43	4239263	288.070	ug/l	98
24) 1,1-Dichloroethane	4.97	63	851263	55.595	ug/l	98
25) 2-Butanone	6.06	43	599649	299.104	ug/l	93
26) 2,2-Dichloropropane	6.02	77	901073	55.520	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	501507	56.909	ug/l	97
28) Bromochloromethane	6.43	49	293490	54.422	ug/l	86
29) Tetrahydrofuran	6.45	42	258735	272.767	ug/l	98
30) Chloroform	6.65	83	1026025	55.099	ug/l	95
31) Cyclohexane	6.95	56	539635	53.609	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	1037081	53.470	ug/l	93
36) 1,1-Dichloropropene	7.13	75	661242	51.098	ug/l	97
37) Ethyl Acetate	6.18	43	285944	52.661	ug/l	98
38) Carbon Tetrachloride	7.10	117	973138m	50.002	ug/l	

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 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	594281	52.172	ug/l	99
40) Benzene	7.45	78	1430151	55.057	ug/l	95
41) Methacrylonitrile	6.44	41	350837	51.410	ug/l #	95
42) 1,2-Dichloroethane	7.57	62	722145	50.962	ug/l	100
43) Isopropyl Acetate	9.24	43	390957	57.627	ug/l #	99
44) Trichloroethene	8.53	130	551719	54.177	ug/l	95
45) 1,2-Dichloropropane	8.94	63	360389	55.796	ug/l	93
46) Dibromomethane	9.05	93	291429	52.525	ug/l	94
47) Bromodichloromethane	9.37	83	767322	53.250	ug/l	98
48) Methyl methacrylate	9.11	41	263472	54.649	ug/l	97
49) 1,4-Dioxane	9.07	88	46272	1153.624	ug/l #	83
51) 4-Methyl-2-Pentanone	10.29	43	1365435	283.873	ug/l	98
52) Toluene	10.50	92	992326	56.831	ug/l	94
53) t-1,3-Dichloropropene	10.90	75	638204	54.112	ug/l	94
54) cis-1,3-Dichloropropene	10.04	75	713170	55.633	ug/l	90
55) 1,1,2-Trichloroethane	11.19	97	335404	55.911	ug/l	92
56) Ethyl methacrylate	11.04	69	356356	55.585	ug/l	91
57) 1,3-Dichloropropane	11.41	76	508916	55.406	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	917123	278.652	ug/l	96
59) 2-Hexanone	11.52	43	980439	286.205	ug/l	98
60) Dibromochloromethane	11.68	129	622202	55.684	ug/l	93
61) 1,2-Dibromoethane	11.80	107	390902	55.173	ug/l	95
64) Tetrachloroethene	11.25	164	491134	51.106	ug/l	96
65) Chlorobenzene	12.39	112	1156443	53.365	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	543510	53.630	ug/l	95
67) Ethyl Benzene	12.52	91	2041383	52.468	ug/l	99
68) m/p-Xylenes	12.67	106	1418826	104.703	ug/l	97
69) o-Xylene	13.05	106	661539	53.403	ug/l	96
70) Styrene	13.07	104	1162354	53.421	ug/l	93
71) Bromoform	13.23	173	367228	52.888	ug/l #	98
73) Isopropylbenzene	13.40	105	2154776	57.349	ug/l	98
74) N-amyl acetate	13.27	43	566605	62.097	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	372436	60.836	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	381503	56.394	ug/l	100
77) Bromobenzene	13.67	156	580523	57.443	ug/l	92
78) n-propylbenzene	13.77	91	2458379	56.215	ug/l	95
79) 2-Chlorotoluene	13.84	91	1381717	55.287	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	1832027	58.049	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	95187	53.687	ug/l	97
82) 4-Chlorotoluene	13.95	91	1772071	58.896	ug/l	97
83) tert-Butylbenzene	14.18	119	1981603	56.330	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	1817963	56.201	ug/l	97
85) sec-Butylbenzene	14.37	105	2200317	57.548	ug/l	99
86) p-Isopropyltoluene	14.49	119	1890125	54.037	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	1007966	55.640	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	995024	54.685	ug/l	98
89) n-Butylbenzene	14.79	91	1781070	54.403	ug/l	99
90) Hexachloroethane	15.01	117	545412	57.994	ug/l	95
91) 1,2-Dichlorobenzene	14.80	146	841035	54.262	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.37	75	69745	58.370	ug/l	86

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ALS Vial : 2 Sample Multiplier: 1

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MSVOA_D
ClientSampleId :
VSTDCCC050

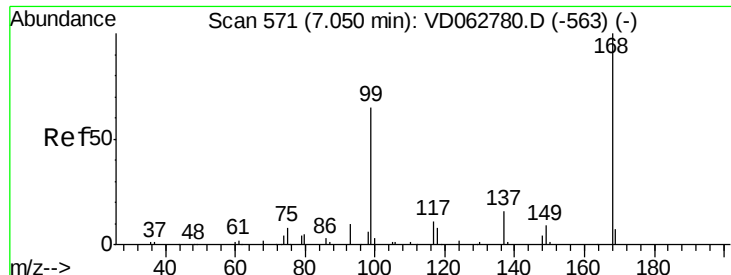
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	690506	57.030	ug/l	99
94) Hexachlorobutadiene	16.03	225	499692	54.022	ug/l	97
95) Naphthalene	16.12	128	1010732	59.559	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	501776	53.938	ug/l	95

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



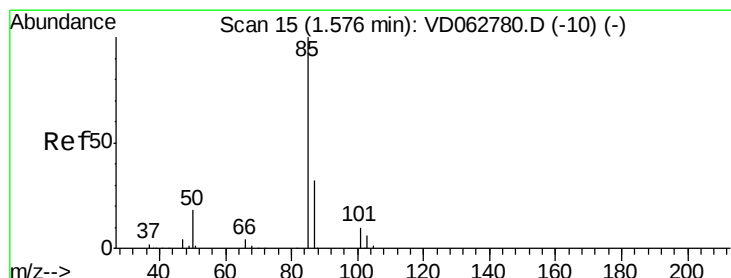
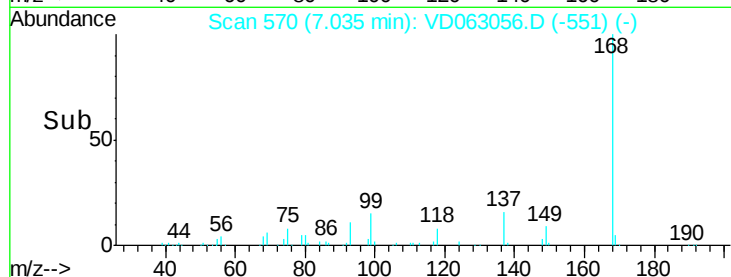
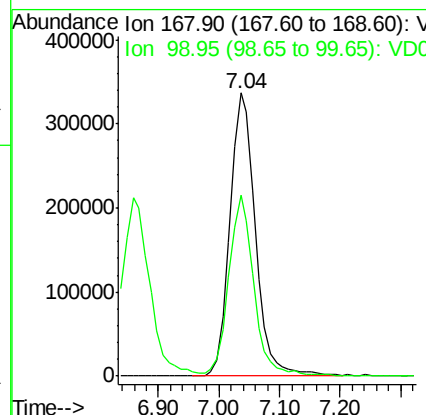
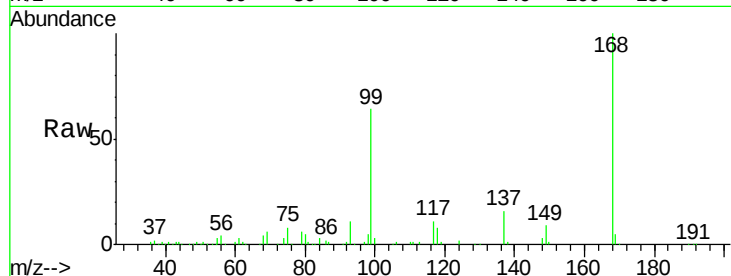
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	63.8	53.0	79.6

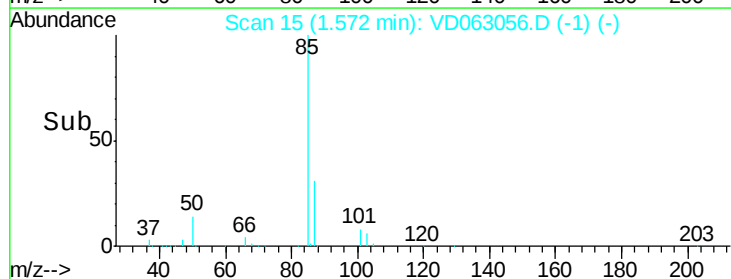
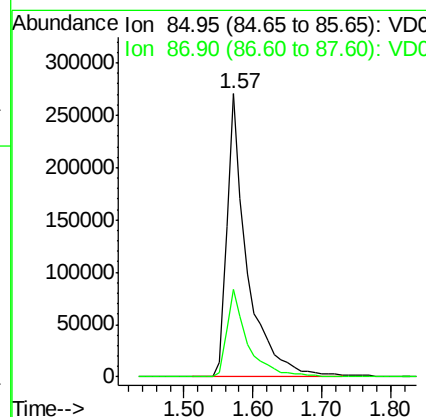
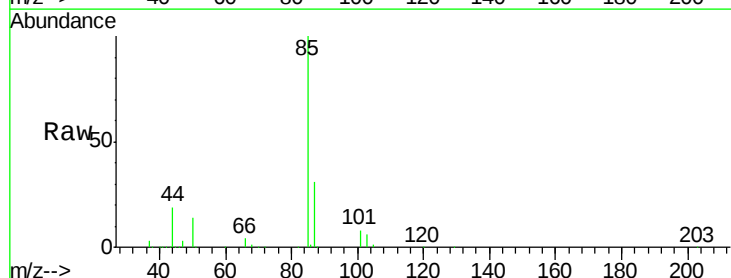
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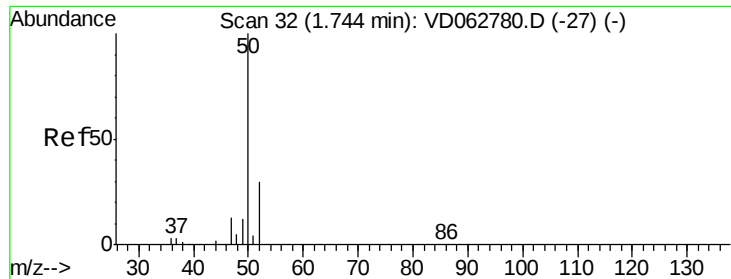
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#2
Dichlorodifluoromethane
Concen: 43.044 ug/l
RT: 1.57 min Scan# 15
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.0	15.9	47.6





#3

Chloromethane

Concen: 43.631 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 418730

Ion Ratio Lower Upper

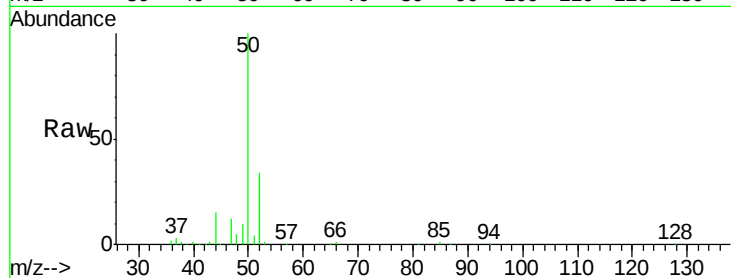
50 100

52 34.2 23.6 35.4

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

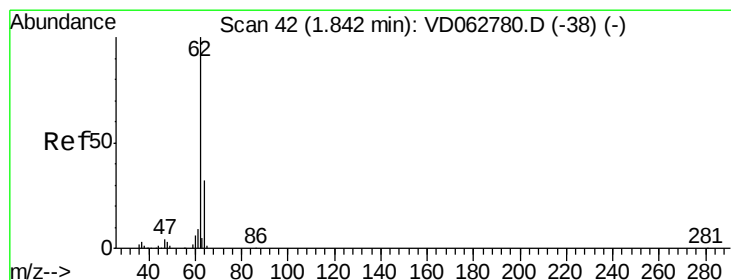
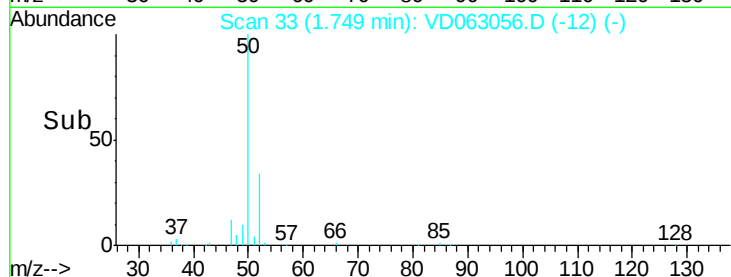
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50000

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Time-->



#4

Vinyl Chloride

Concen: 48.871 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063056.D

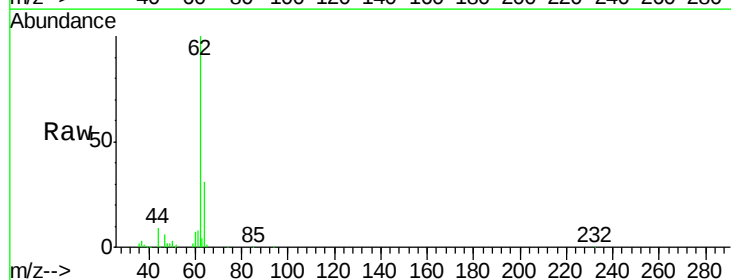
Acq: 10 Jul 2019 14:07

Tgt Ion: 62 Resp: 465029

Ion Ratio Lower Upper

62 100

64 30.8 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

250000

200000

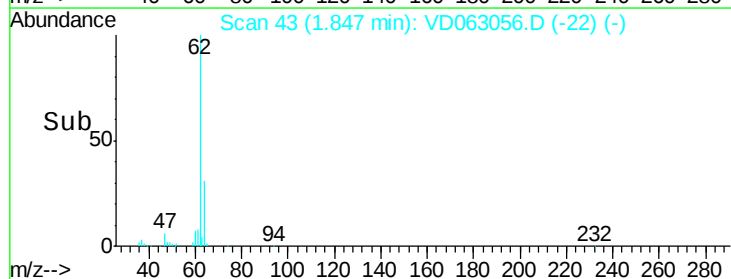
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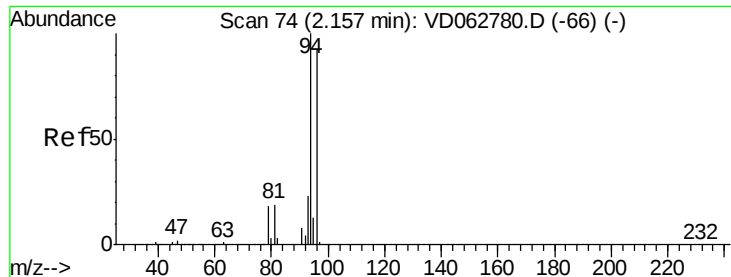
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50000

0

Time-->





#5

Bromomethane

Concen: 43.750 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

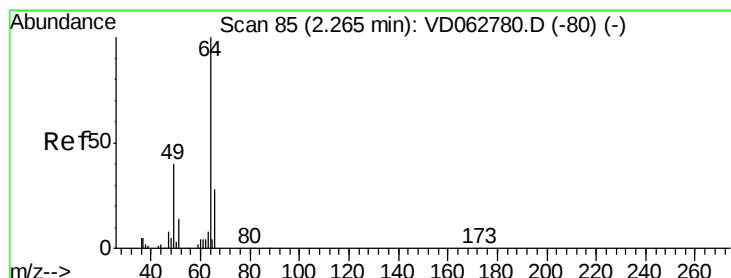
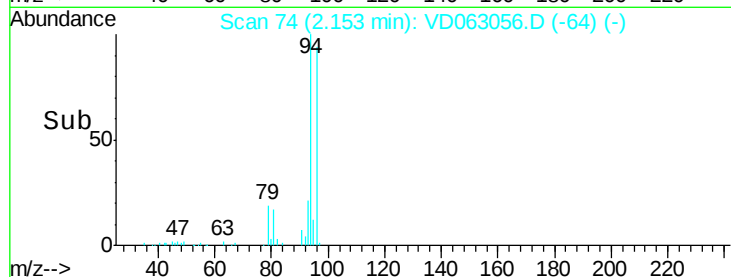
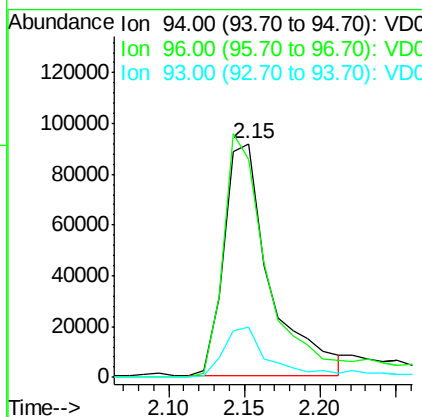
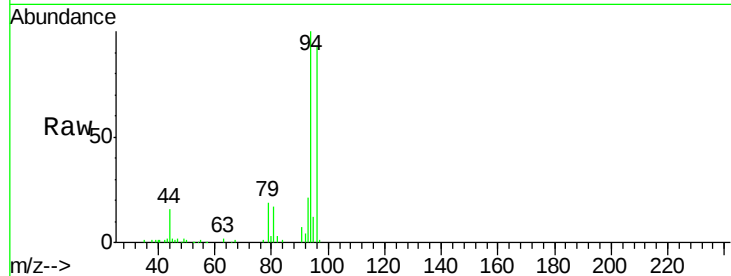
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	194958
Ion	Ratio	Lower	Upper
94	100		
96	93.2	73.4	110.2
93	21.3	18.2	27.4

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#6

Chloroethane

Concen: 45.816 ug/l

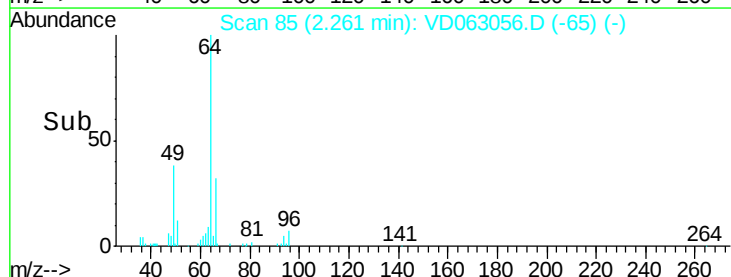
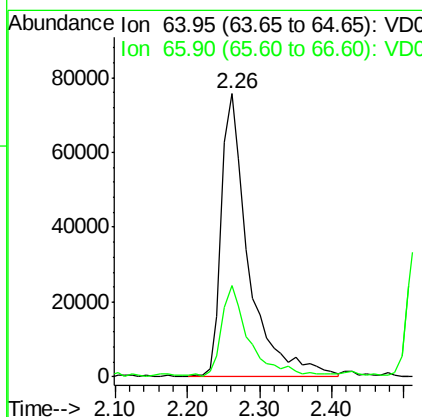
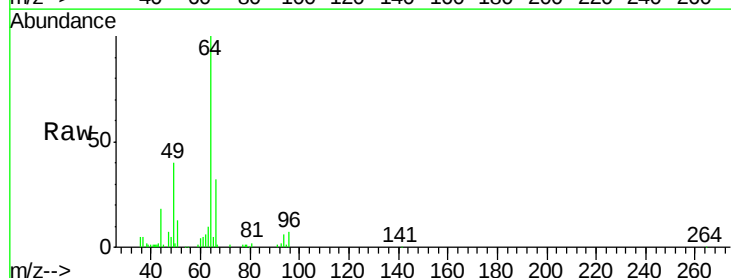
RT: 2.26 min Scan# 85

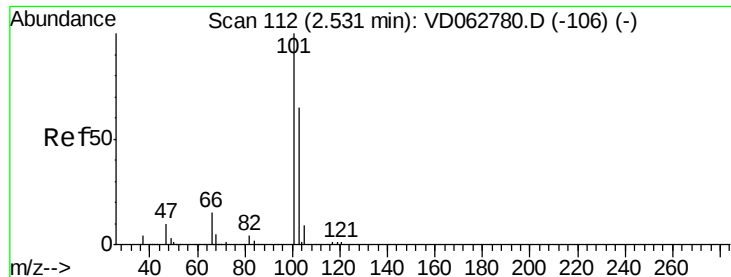
Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Tgt Ion:	64	Resp:	197376
Ion	Ratio	Lower	Upper
64	100		
66	32.4	23.0	34.4





#7

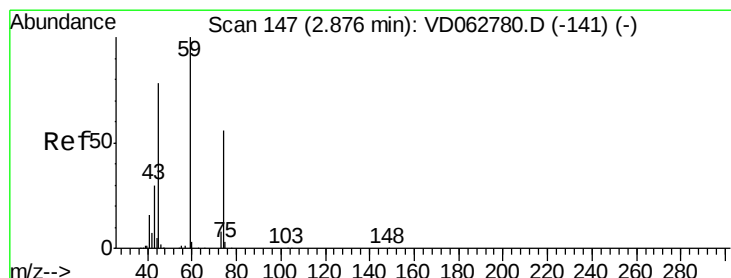
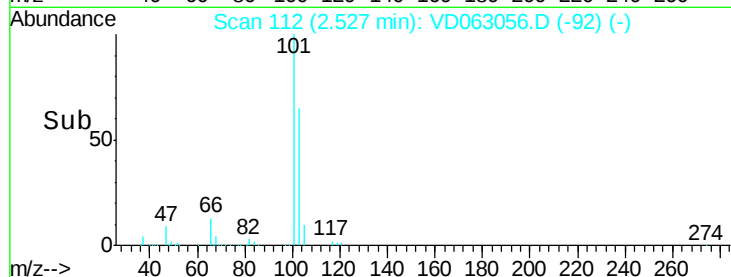
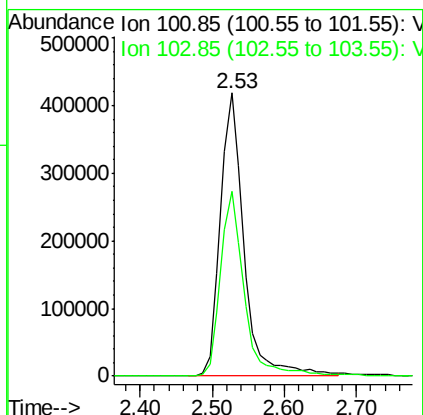
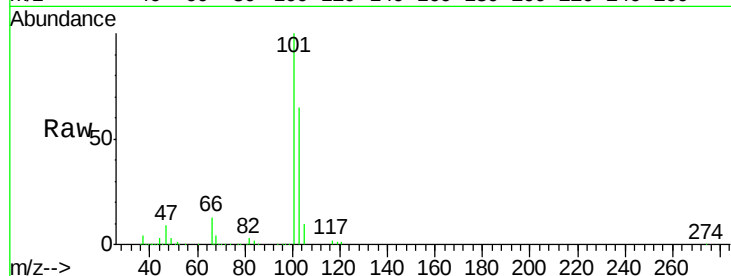
Trichlorofluoromethane
Concen: 49.342 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	950205		
103	65.2	51.8	77.8	

Manual Integrations
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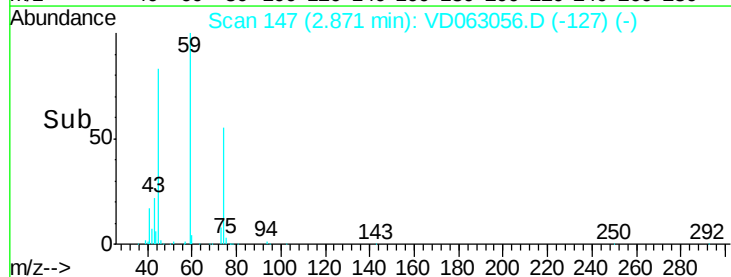
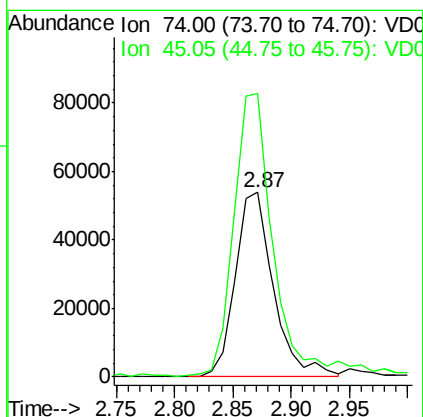
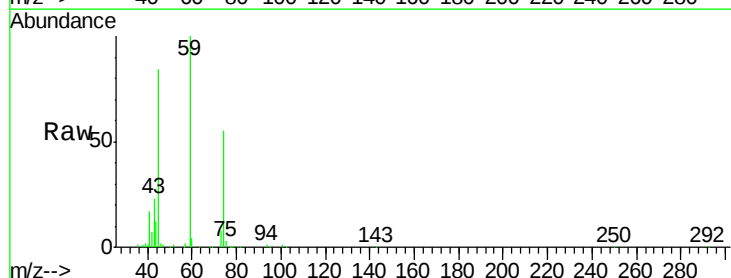
MMDadoda
7/13/2019 1:29:05 AM

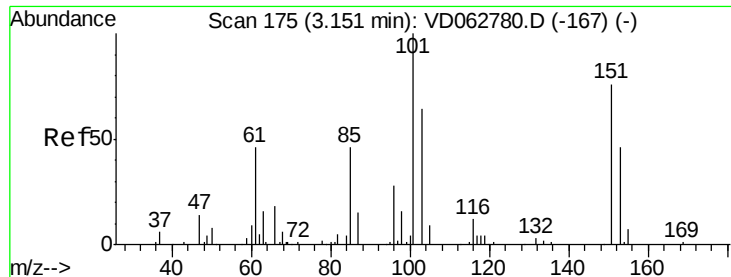


#8

Diethyl Ether
Concen: 50.010 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	122365		
45	153.2	70.2	210.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.040 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

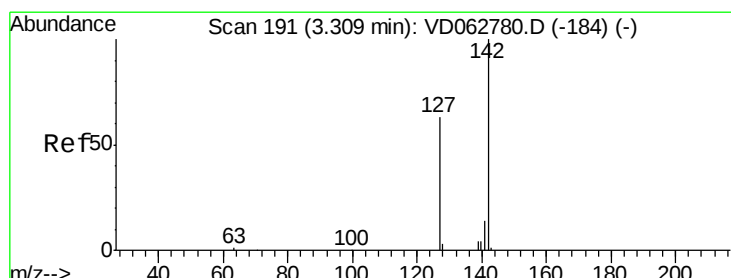
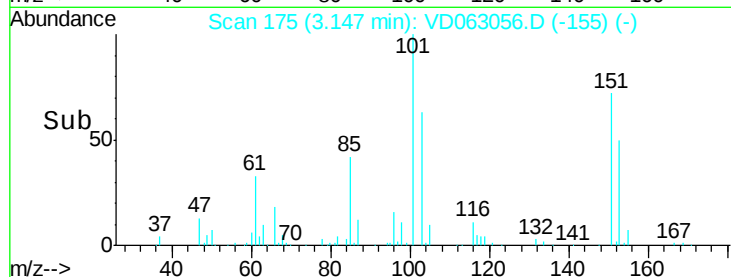
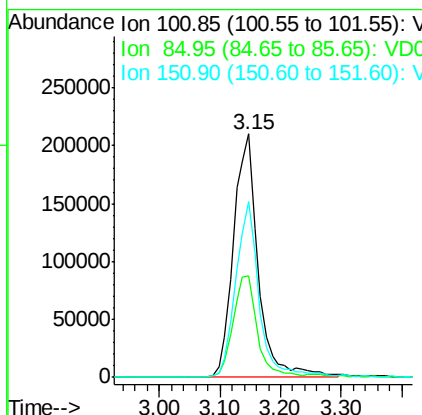
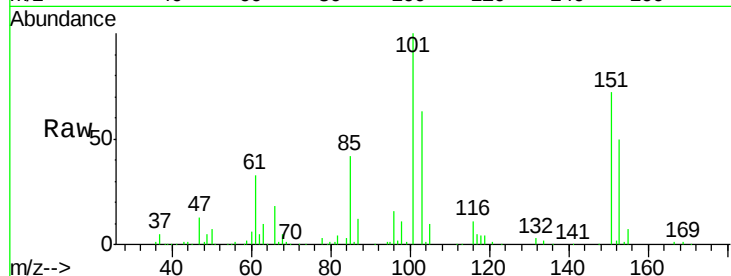
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	595089
Ion Ratio	Lower	Upper	
101	100		
85	41.9	37.0	55.4
151	72.1	60.5	90.7

Manual Integrations
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#10

Methyl Iodide

Concen: 53.374 ug/l

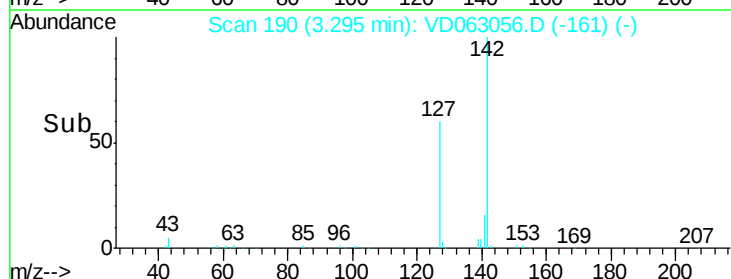
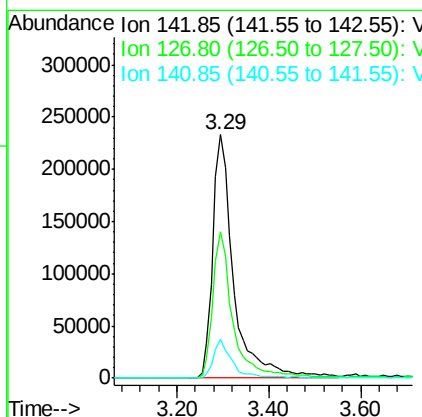
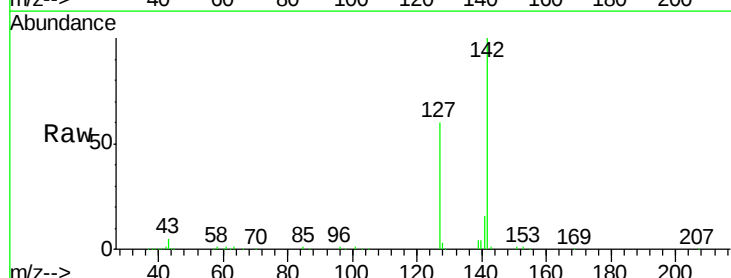
RT: 3.29 min Scan# 190

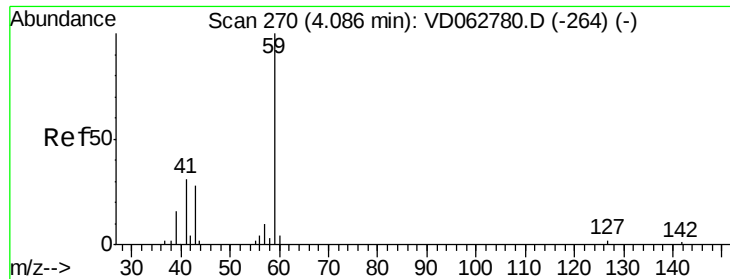
Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Tgt Ion:	142	Resp:	734638
Ion Ratio	Lower	Upper	
142	100		
127	60.0	50.1	75.1
141	16.2	11.0	16.4





#11

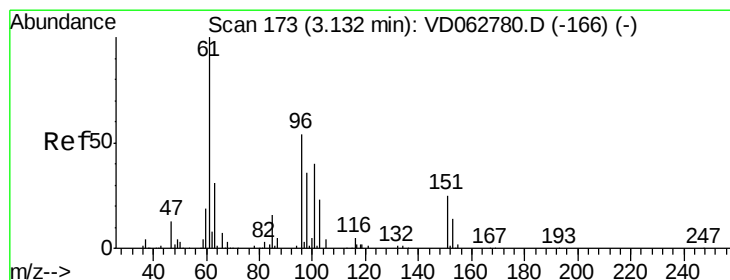
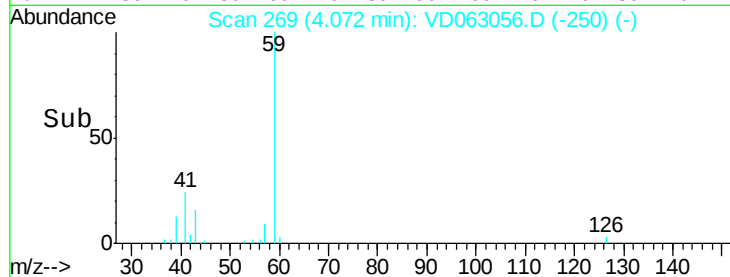
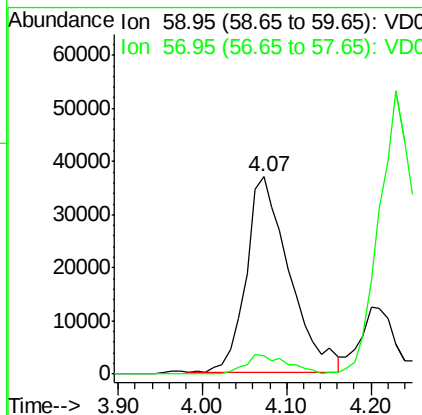
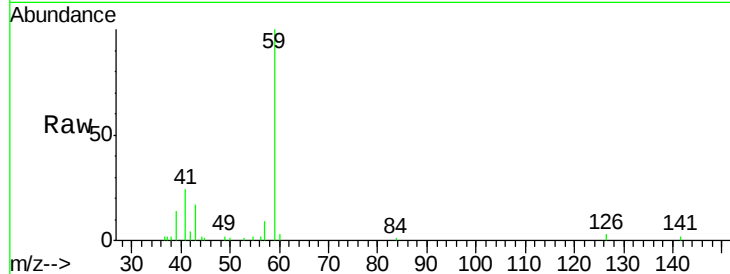
Tert butyl alcohol
 Concen: 271.031 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. -0.01 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	132318
Ion Ratio	100	Lower	Upper
57	9.3	6.6	10.0

Manual Integrations
 APPROVED

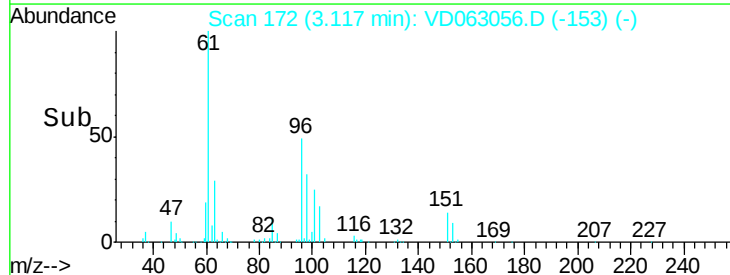
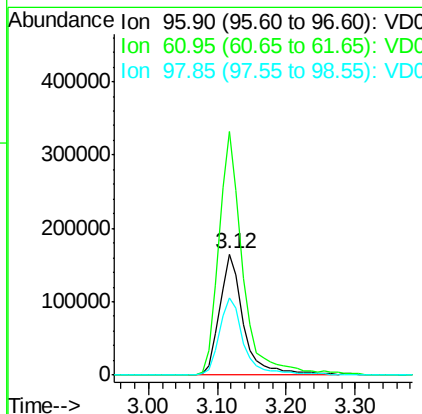
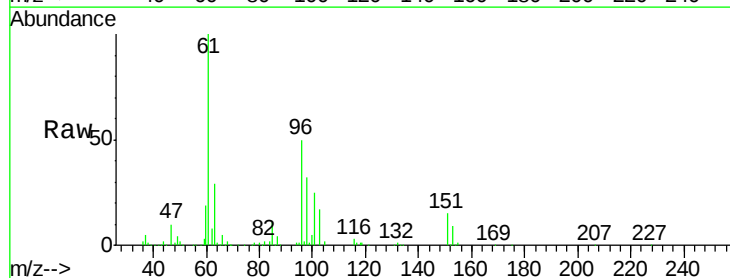
MMDadoda
 7/13/2019 1:29:05 AM

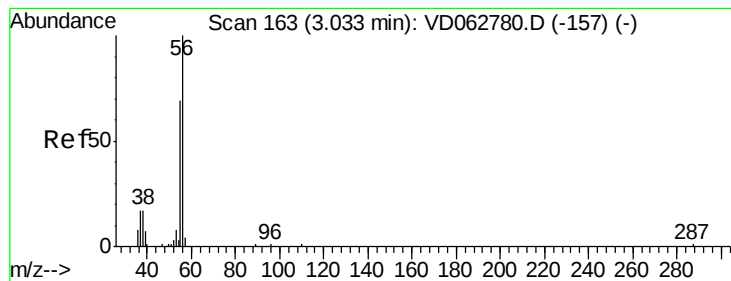


#12

1,1-Dichloroethene
 Concen: 50.885 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Tgt Ion	96	Resp	398247
Ion Ratio	100	Lower	Upper
61	201.2	147.1	220.7
98	64.0	52.6	79.0





#13

Acrolein

Concen: 194.505 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 96941

Ion Ratio Lower Upper

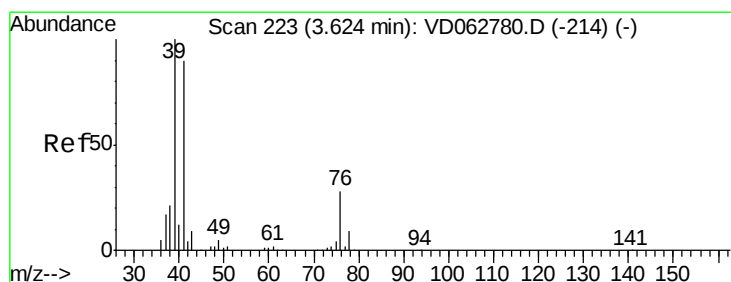
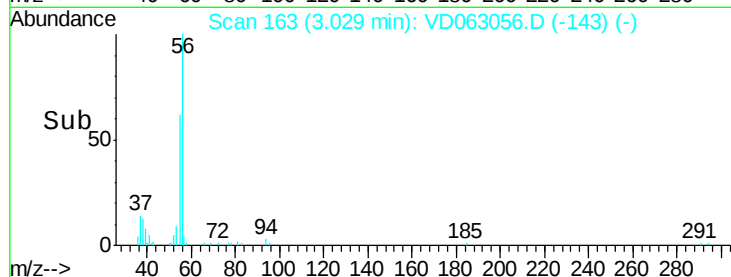
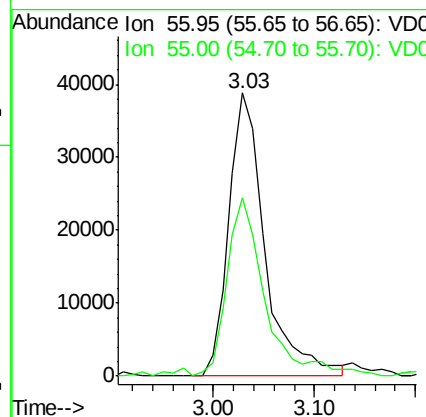
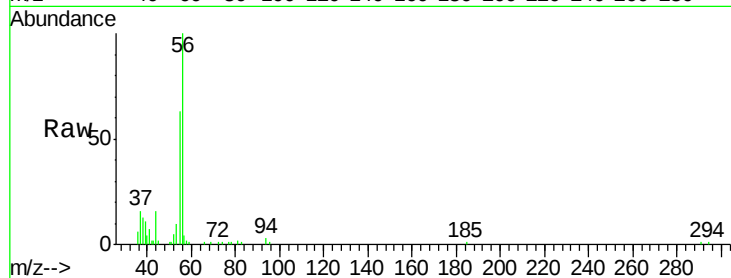
56 100

55 63.2 55.4 83.0

Manual Integrations
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#14

Allyl chloride

Concen: 54.625 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

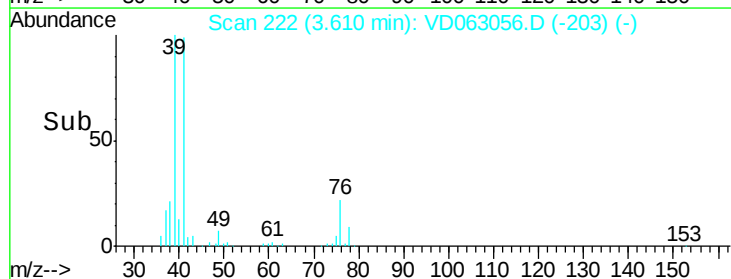
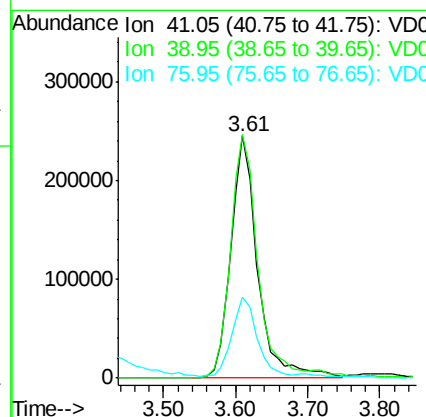
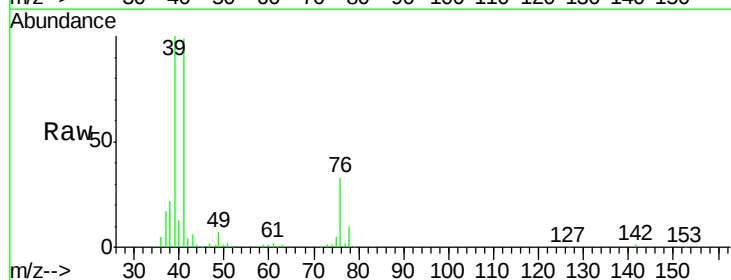
Tgt Ion: 41 Resp: 631694

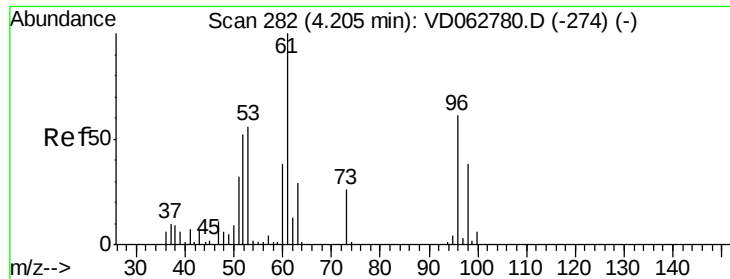
Ion Ratio Lower Upper

41 100

39 100.6 88.8 133.2

76 33.2 26.7 40.1





#15

Acrylonitrile

Concen: 298.355 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

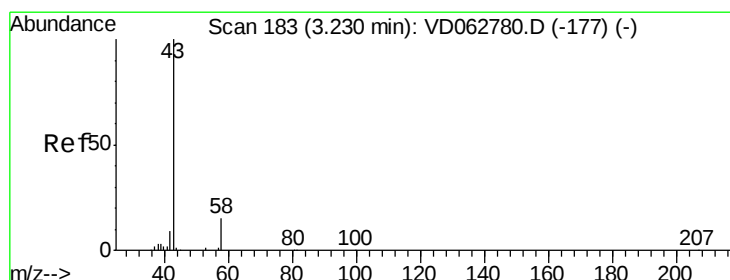
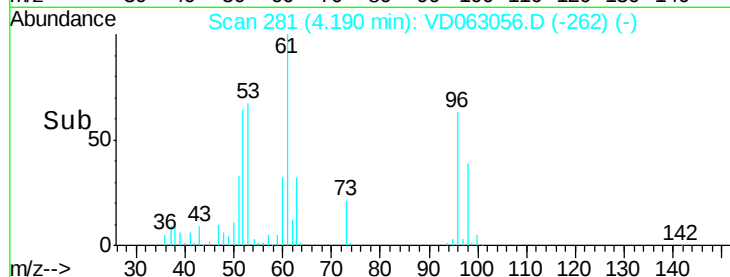
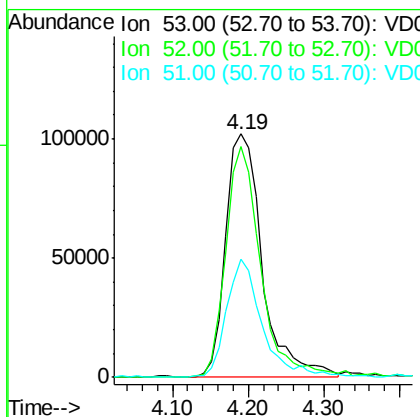
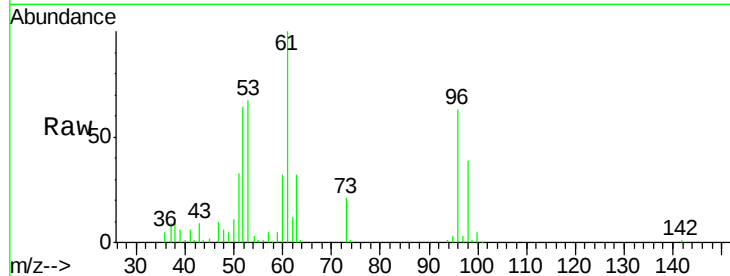
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	342256
Ion Ratio	Lower	Upper	
53	100		
52	94.7	73.3	109.9
51	48.8	44.8	67.2

Manual Integrations
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#16

Acetone

Concen: 300.991 ug/l

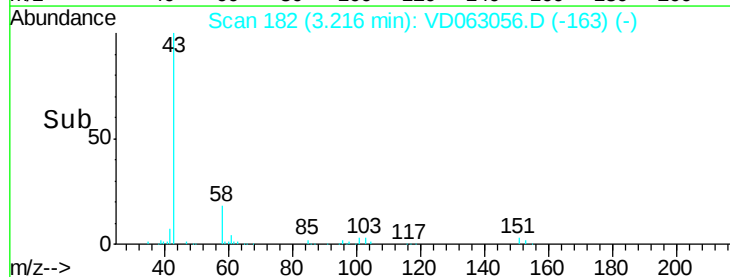
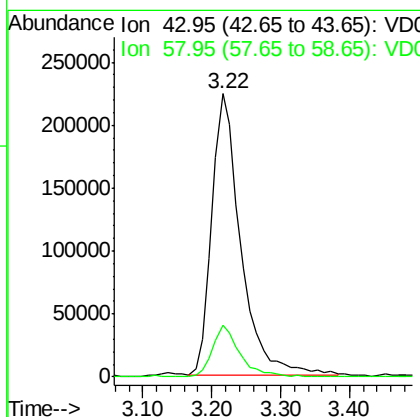
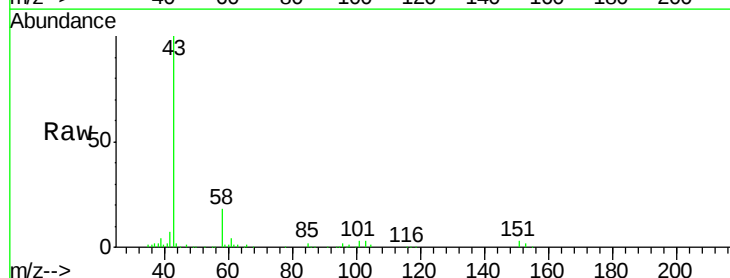
RT: 3.22 min Scan# 182

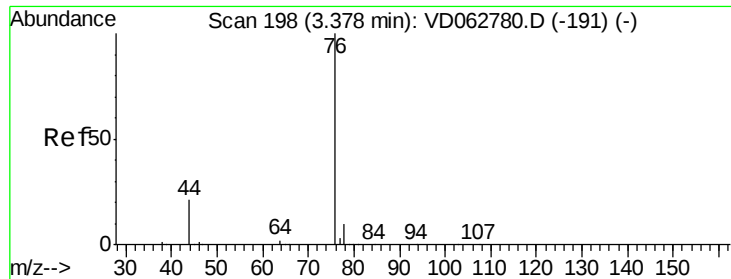
Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Tgt Ion:	43	Resp:	651181
Ion Ratio	Lower	Upper	
43	100		
58	18.4	11.9	17.9#





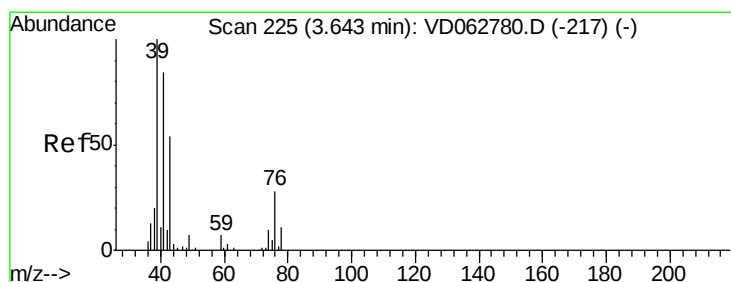
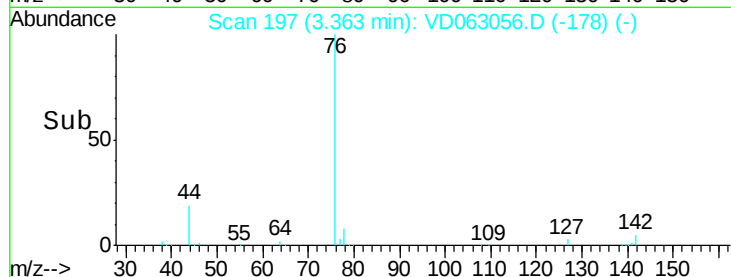
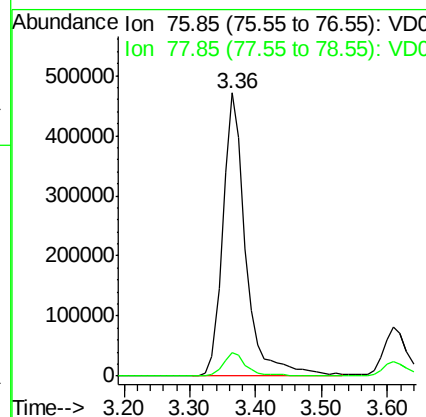
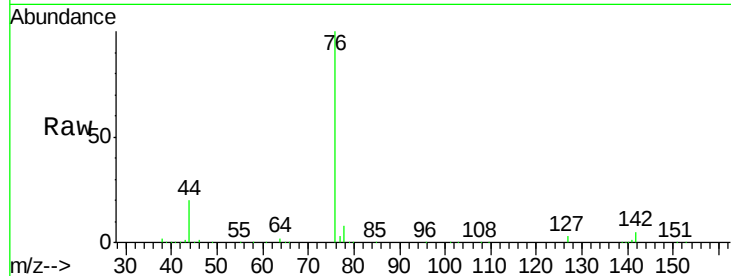
#17
Carbon Disulfide
Concen: 45.604 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1140676
Ion Ratio Lower Upper
76 100
78 8.4 8.0 12.0

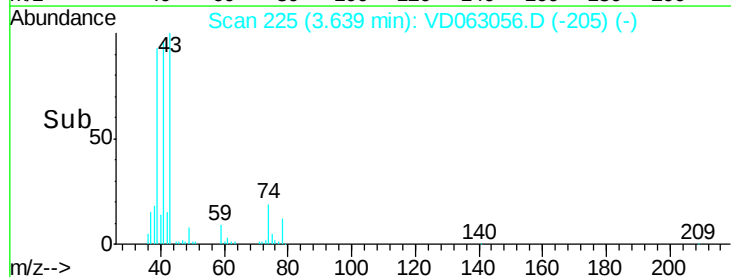
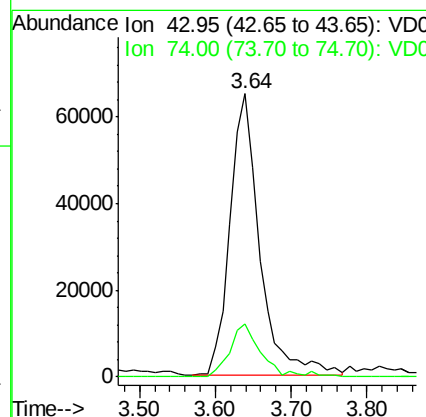
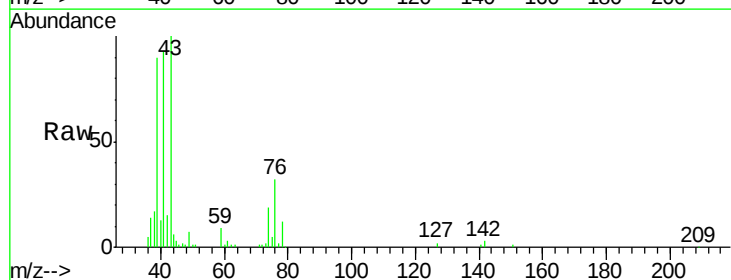
Manual Integrations
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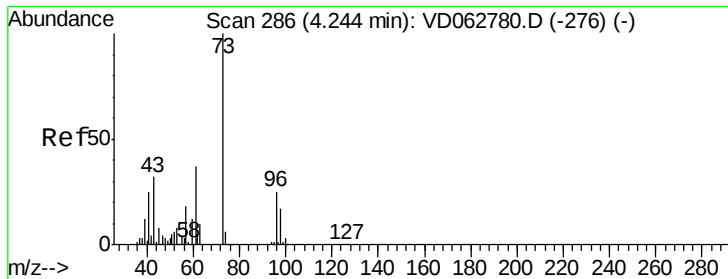
MMDadoda
7/13/2019 1:29:05 AM



#18
Methyl Acetate
Concen: 54.407 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion: 43 Resp: 176055
Ion Ratio Lower Upper
43 100
74 18.6 15.2 22.8





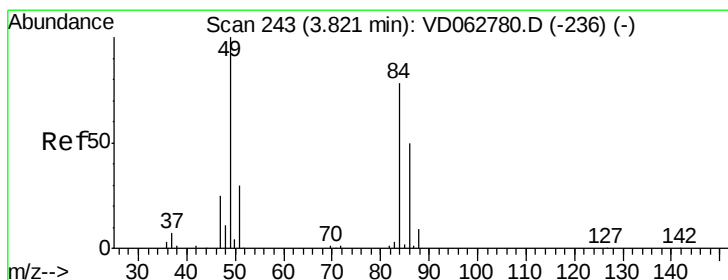
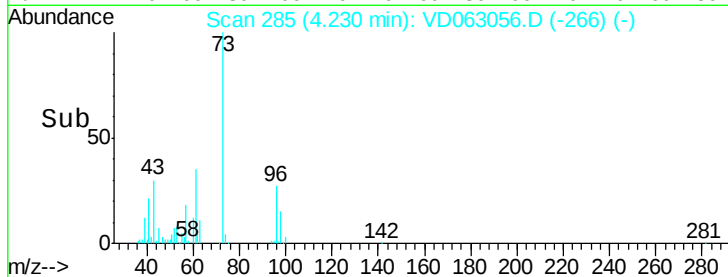
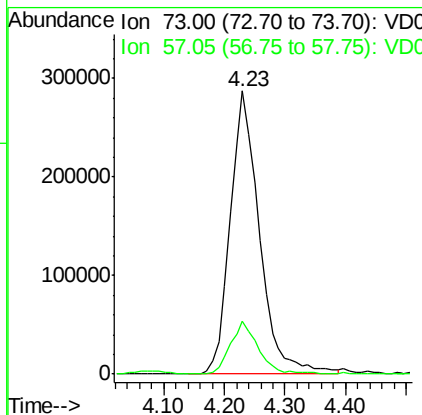
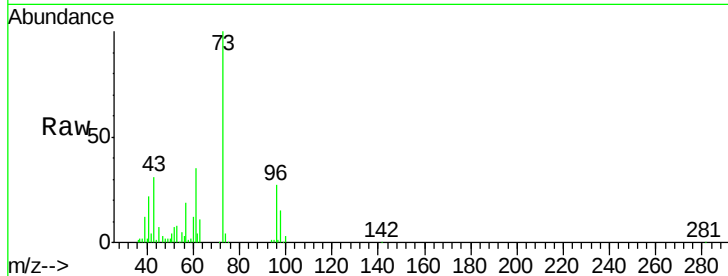
#19
Methvl tert-butvl Ether
Concen: 57.047 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.5	14.3	21.5

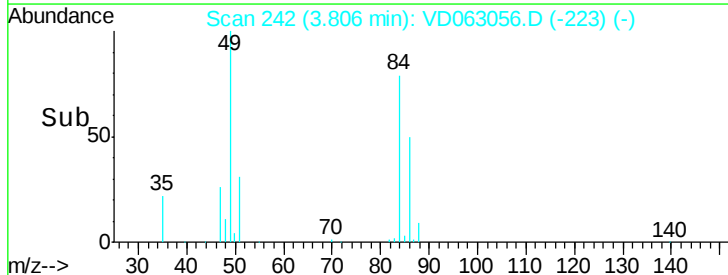
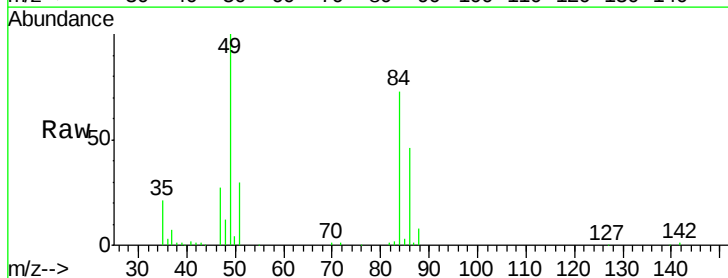
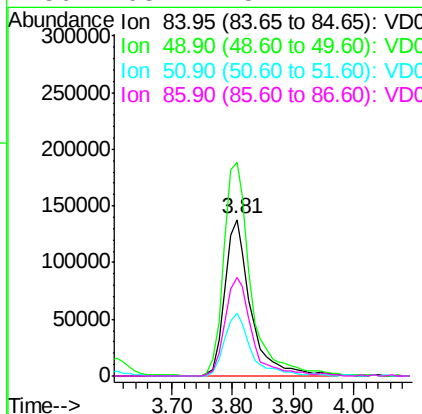
Manual Integrations
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#20
Methylene Chloride
Concen: 50.148 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.5	102.9	154.3
51	40.5	31.2	46.8
86	63.4	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 54.162 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

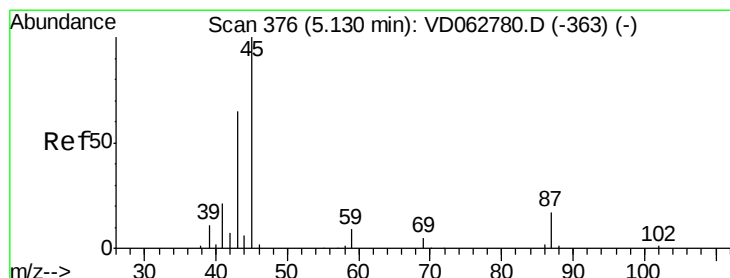
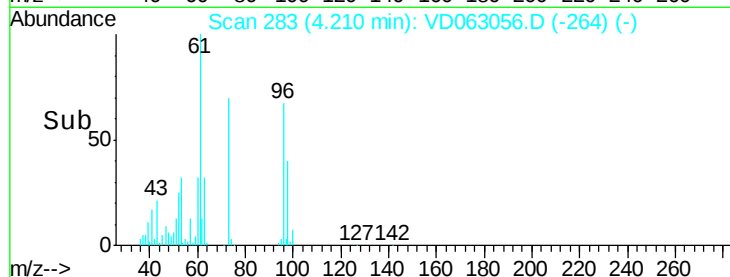
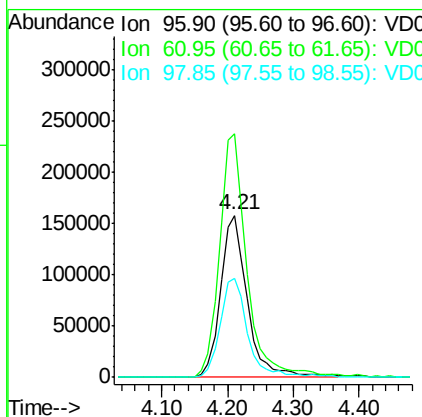
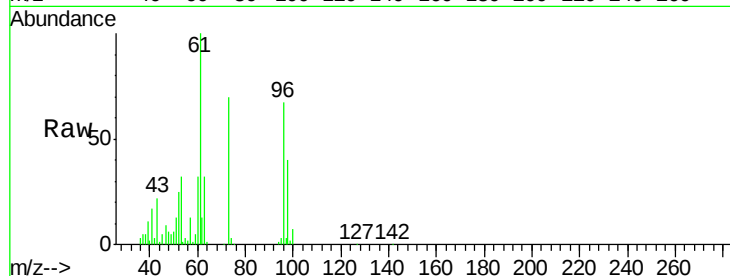
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	451352
Ion	Ratio	Lower	Upper
96	100		
61	150.4	131.0	196.4
98	60.8	53.2	79.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 59.060 ug/l

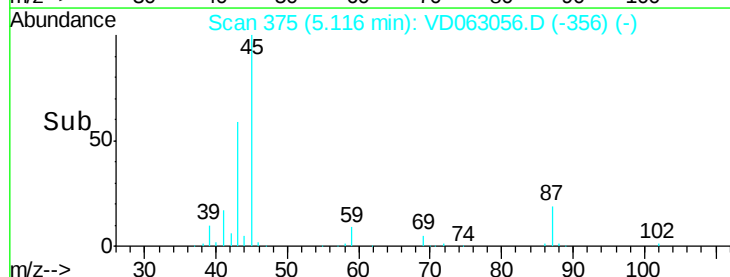
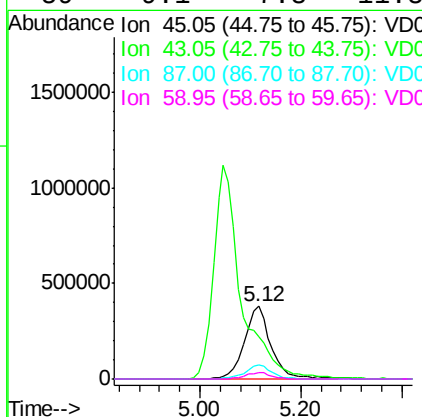
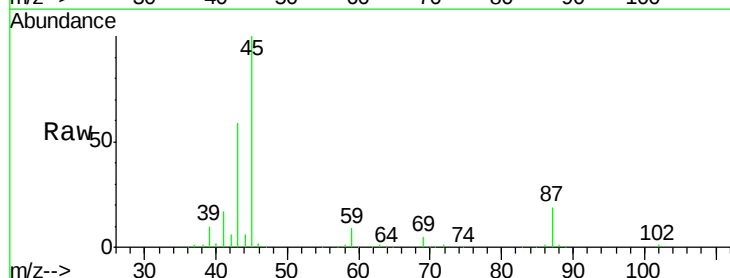
RT: 5.12 min Scan# 375

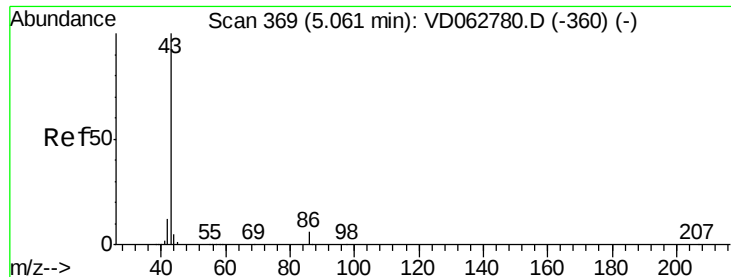
Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Tgt Ion:	45	Resp:	1388954
Ion	Ratio	Lower	Upper
45	100		
43	58.9	53.4	80.0
87	19.3	14.6	22.0
59	9.1	7.8	11.8





#23

Vinyl Acetate

Concen: 288.070 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Tot Ion: 43 Resp: 4239263

Ion Ratio Lower Upper

43 100

86 6.5 4.7 7.1

Instrument :

MSVOA_D

ClientSampleId :

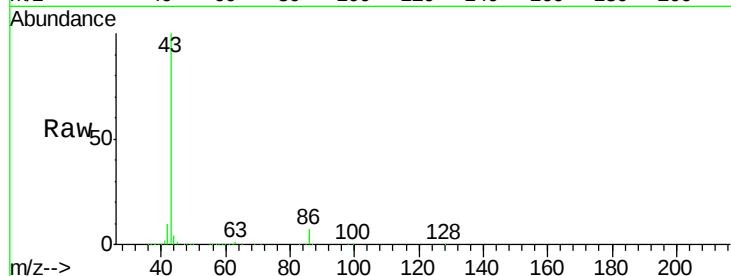
VSTDCCC050

Manual Integrations

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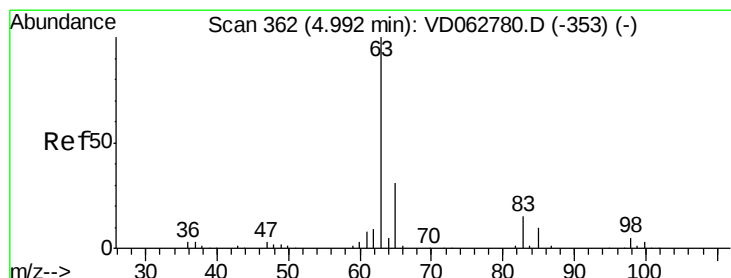
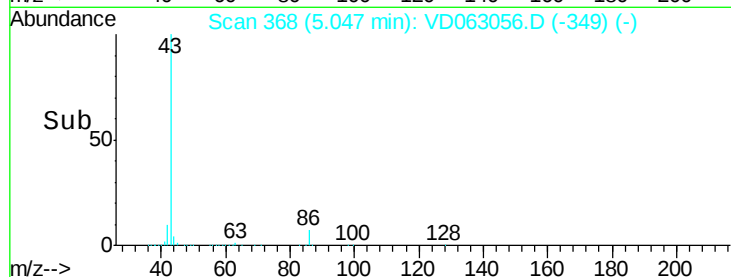
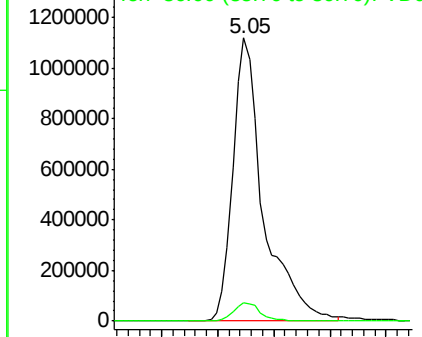
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 55.595 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.02 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

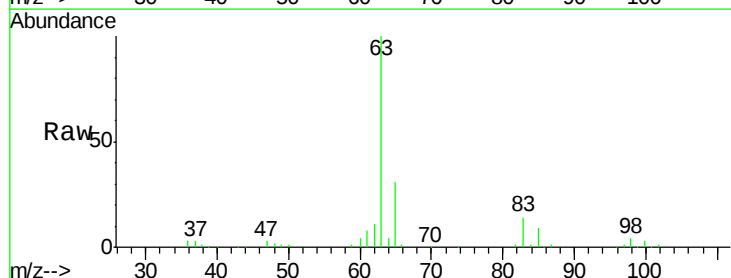
Tgt Ion: 63 Resp: 851263

Ion Ratio Lower Upper

63 100

98 3.8 2.3 6.9

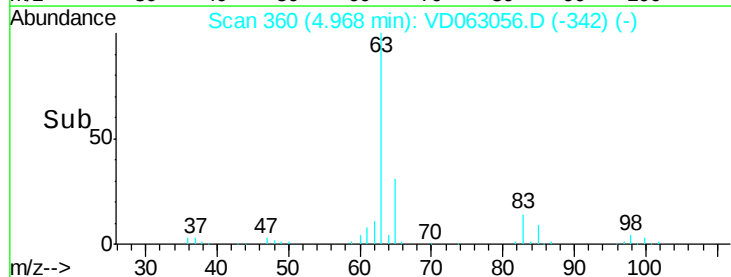
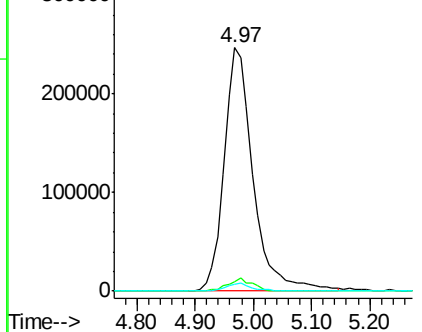
100 2.7 1.7 5.1

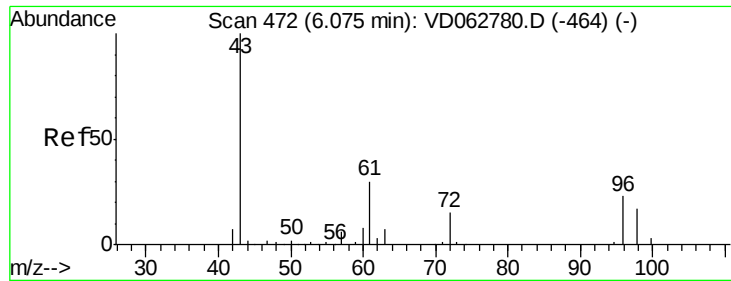


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 299.104 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 599649

Ion Ratio Lower Upper

43 100

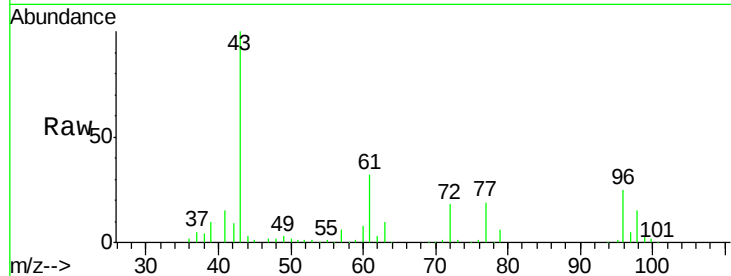
72 17.8 11.9 17.9

Manual Integrations

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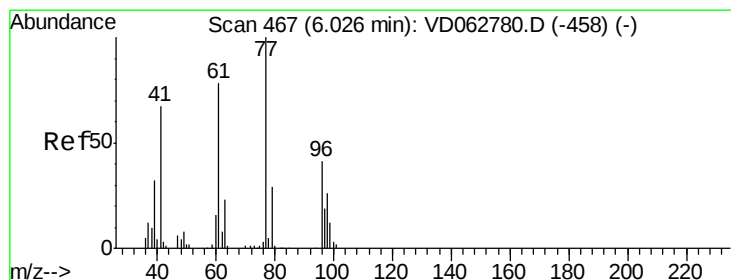
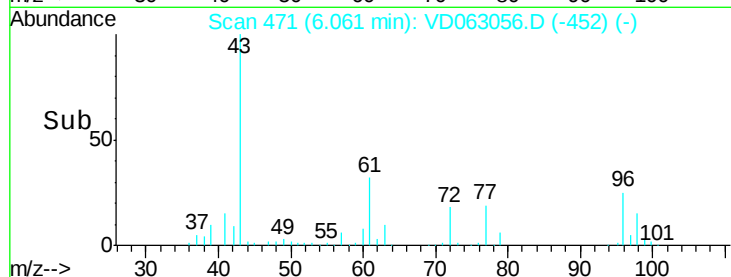
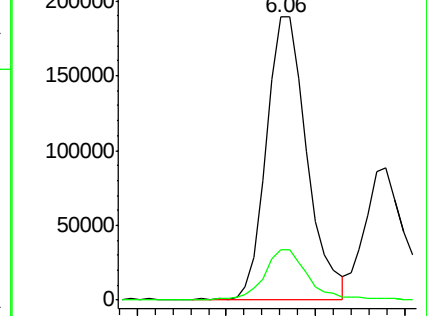
MMDadoda

7/13/2019 1:29:05 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 55.520 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD063056.D

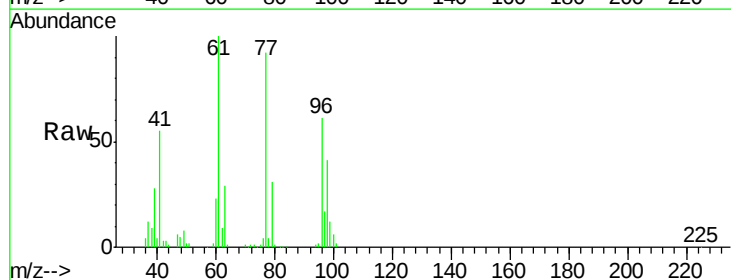
Acq: 10 Jul 2019 14:07

Tgt Ion: 77 Resp: 901073

Ion Ratio Lower Upper

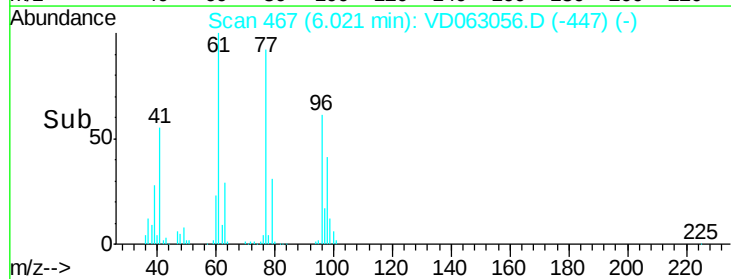
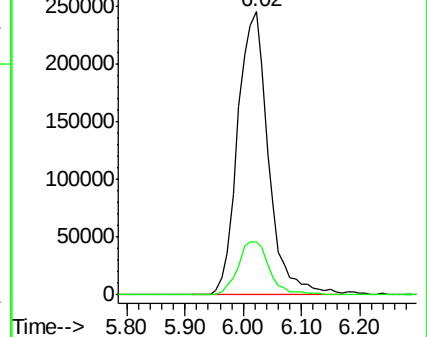
77 100

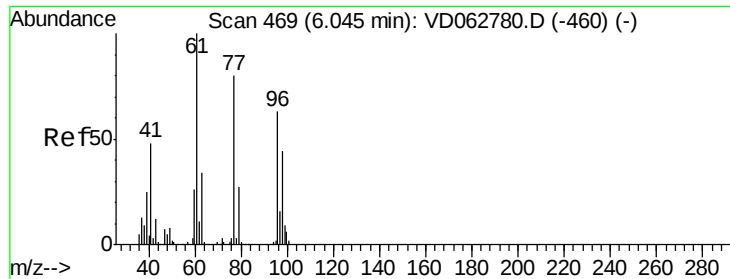
97 18.7 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

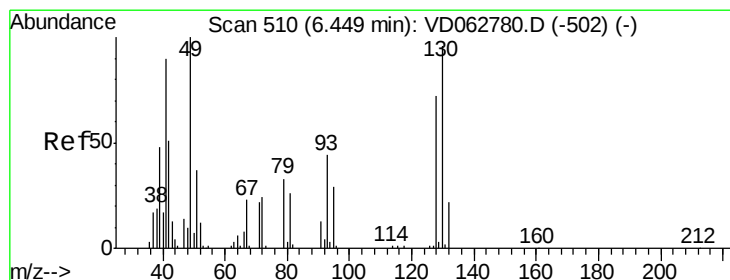
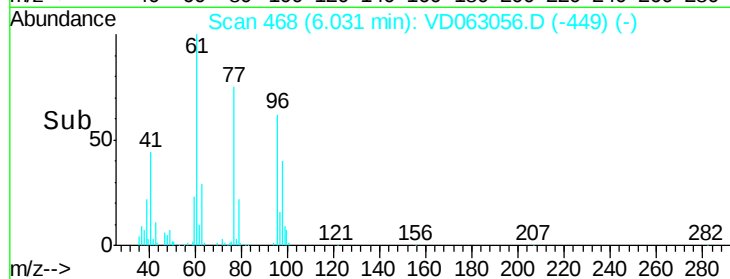
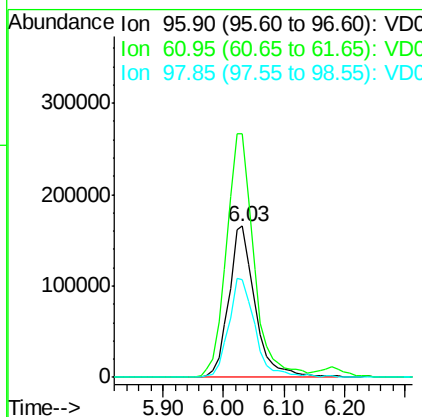
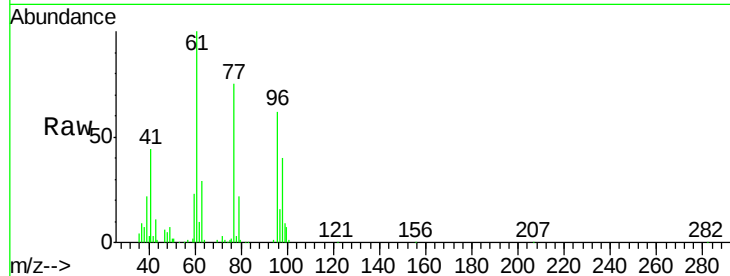
cis-1,2-Dichloroethene
Concen: 56.909 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.0	0.0	316.0	
98	64.5	0.0	138.4	

Manual Integrations
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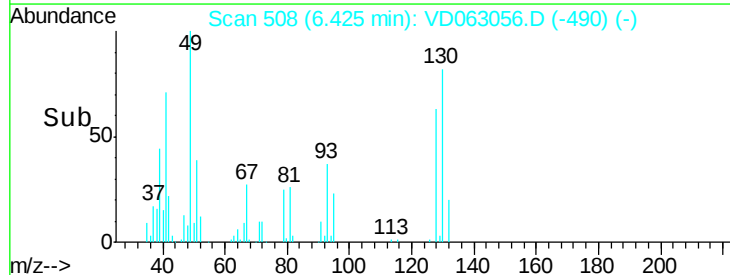
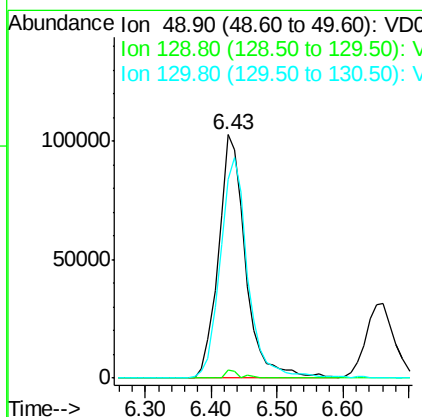
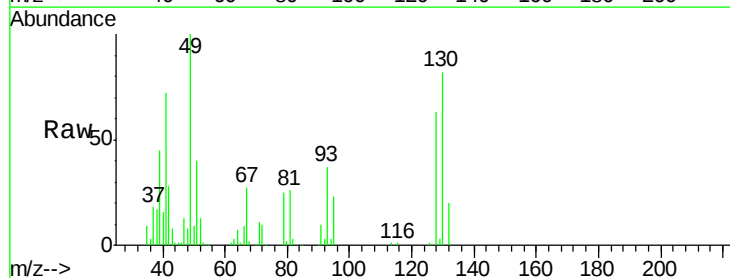
MMDadoda
7/13/2019 1:29:05 AM

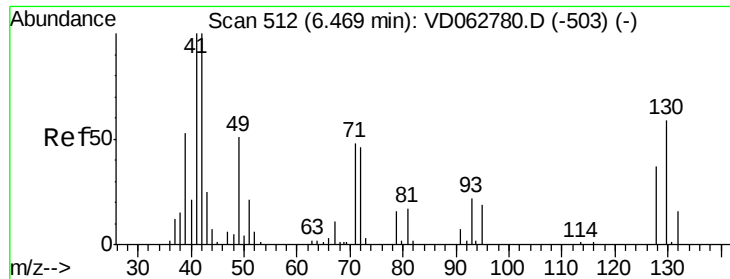


#28

Bromochloromethane
Concen: 54.422 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.1	0.0	5.6	
130	81.9	76.6	114.8	





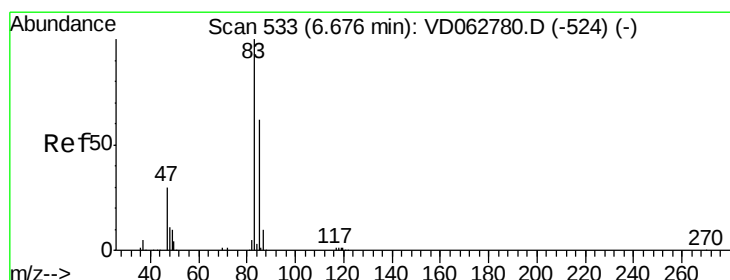
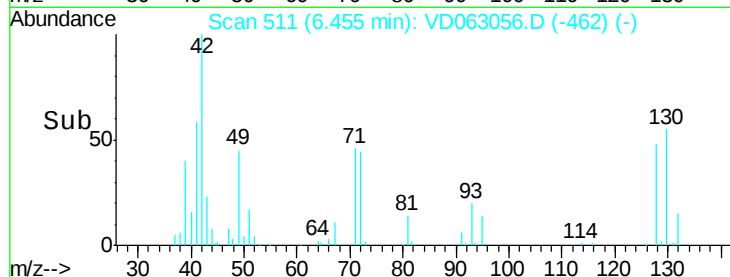
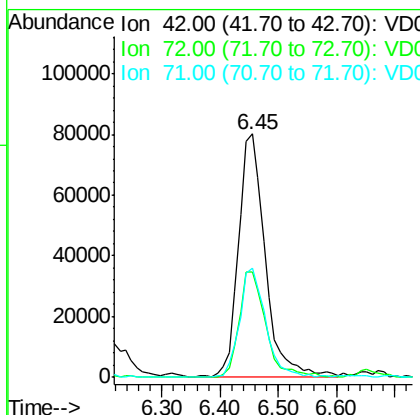
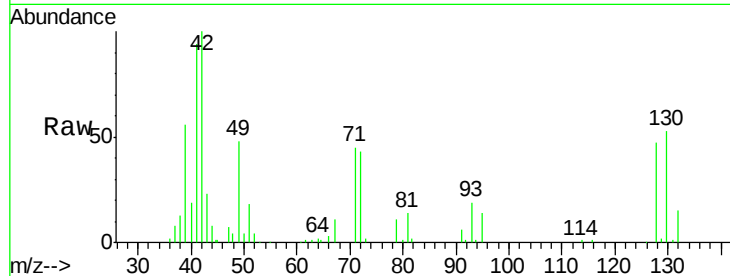
#29
Tetrahydrofuran
Concen: 272.767 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	42.8	35.0	52.6	
71	43.7	33.3	49.9	

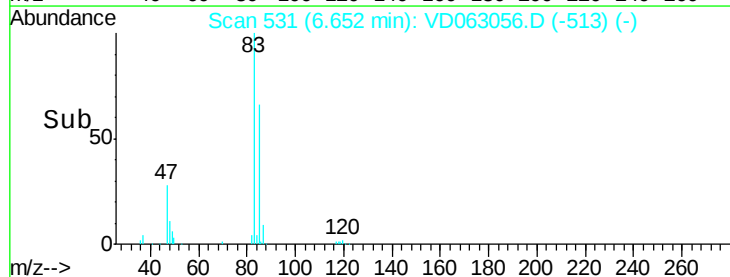
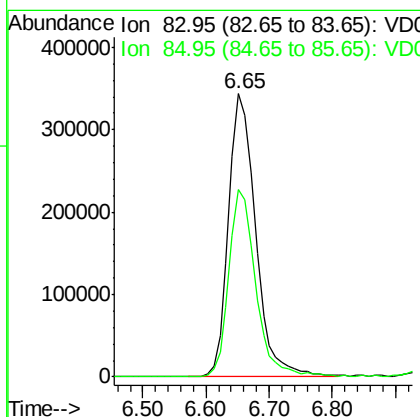
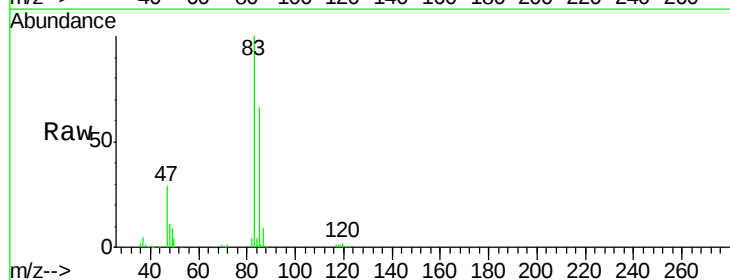
Manual Integrations
APPROVED

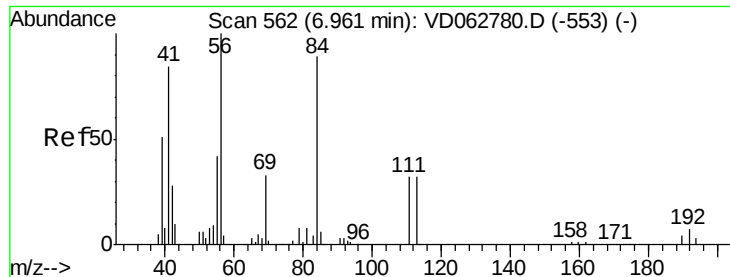
MMDadoda
7/13/2019 1:29:05 AM



#30
Chloroform
Concen: 55.099 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.02 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	66.4	49.8	74.6	





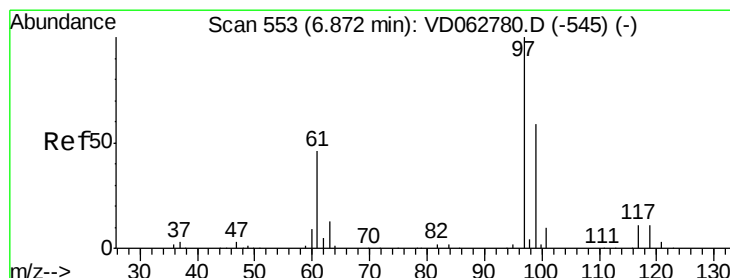
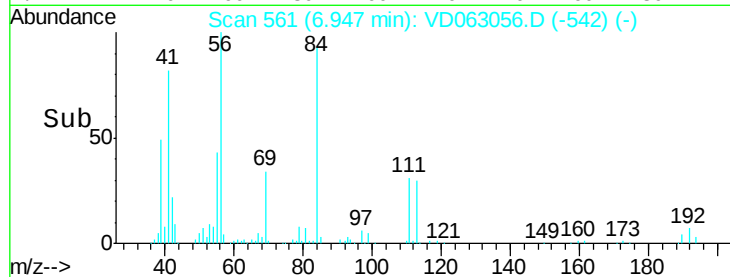
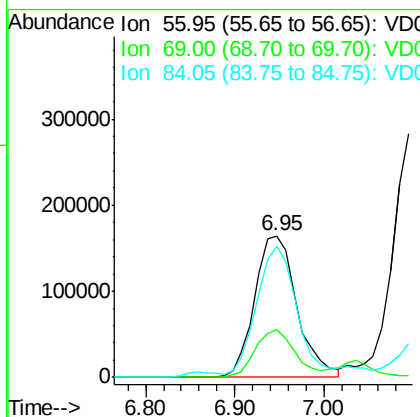
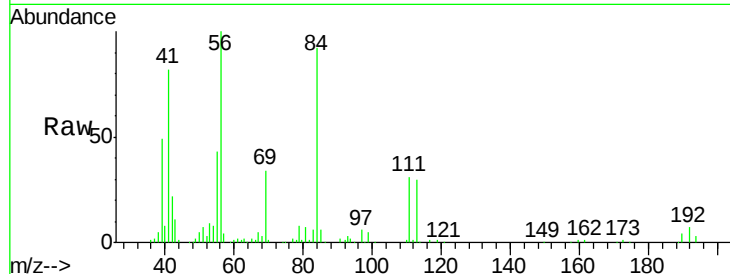
#31
Cvclohexane
Concen: 53.609 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.7	26.6	39.8
84	92.4	75.5	113.3

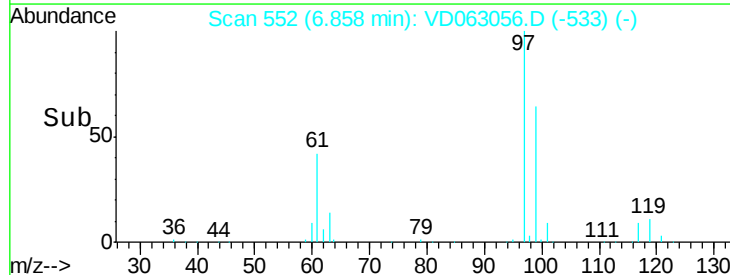
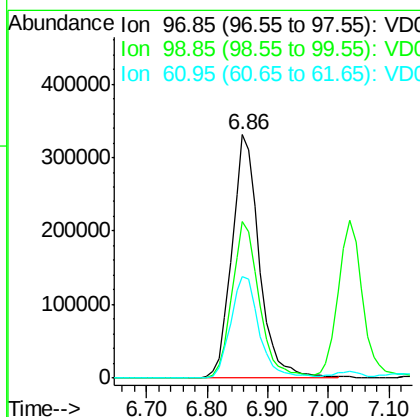
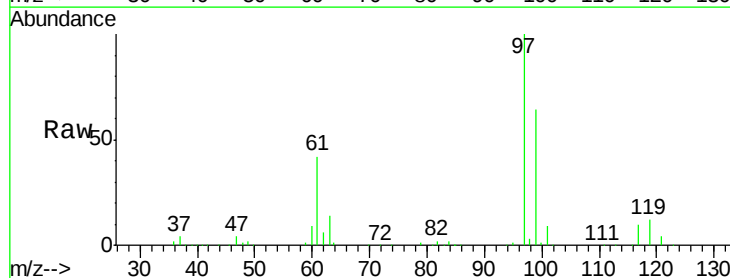
Manual Integrations
APPROVED

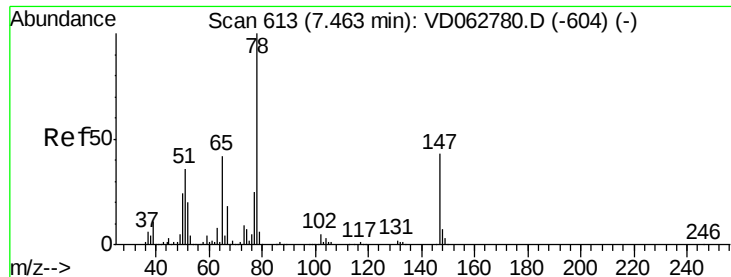
MMDadoda
7/13/2019 1:29:05 AM



#32
1,1,1-Trichloroethane
Concen: 53.470 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	47.4	71.2
61	41.9	37.2	55.8





#33

1,2-Dichloroethane-d4

Concen: 45.729 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 490176

Ion Ratio Lower Upper

65 100

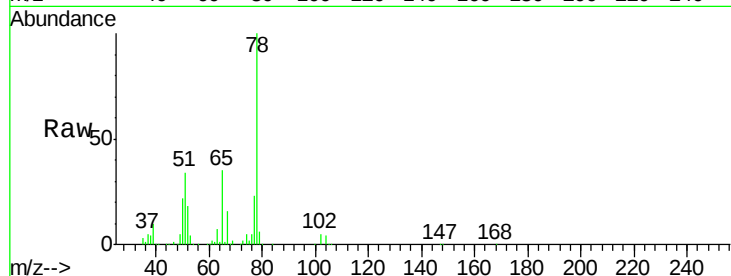
67 44.9 0.0 87.4

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

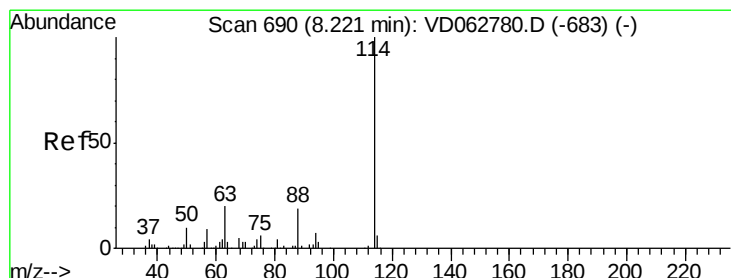
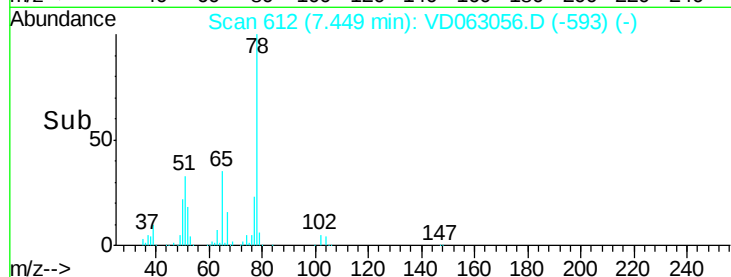
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

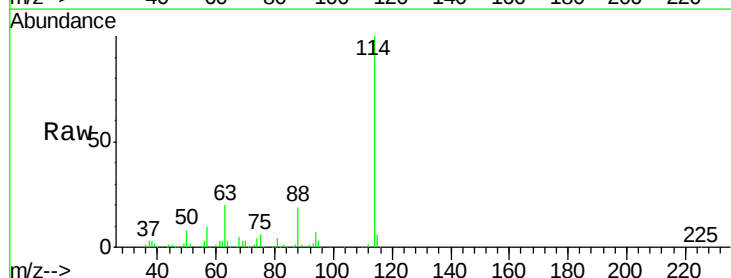
Tgt Ion: 114 Resp: 1366997

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 19.3 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

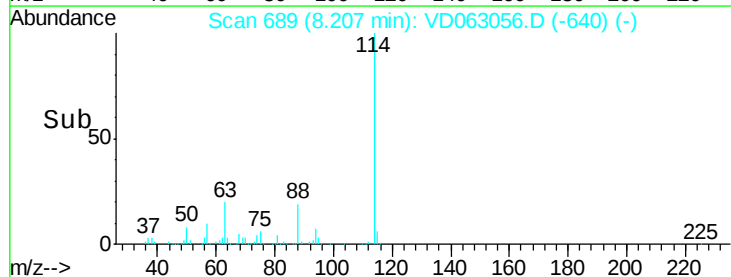
600000

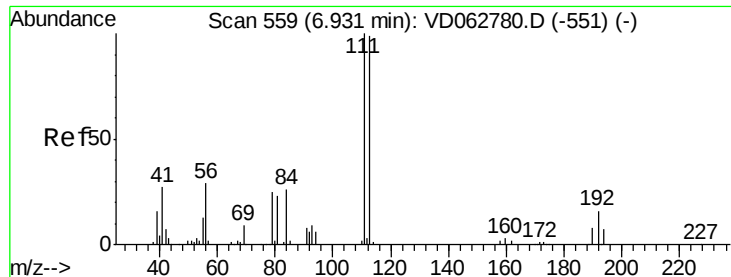
400000

200000

0

Time--> 8.10 8.20 8.30 8.40





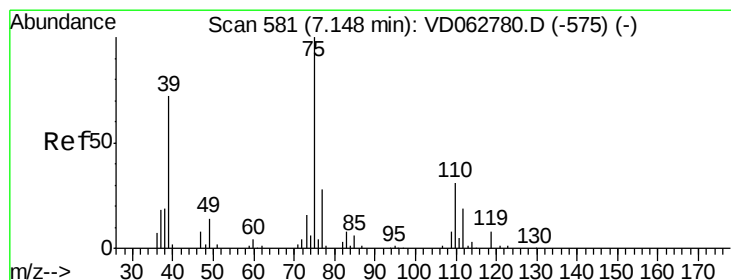
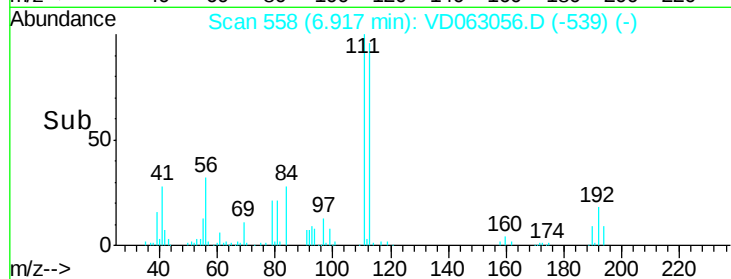
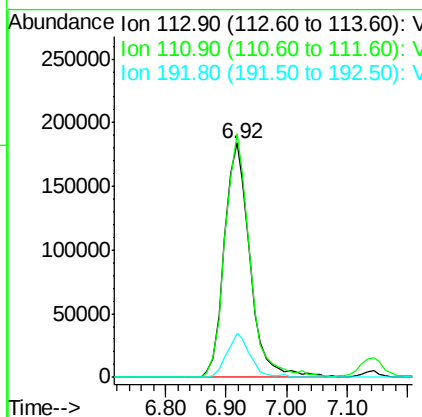
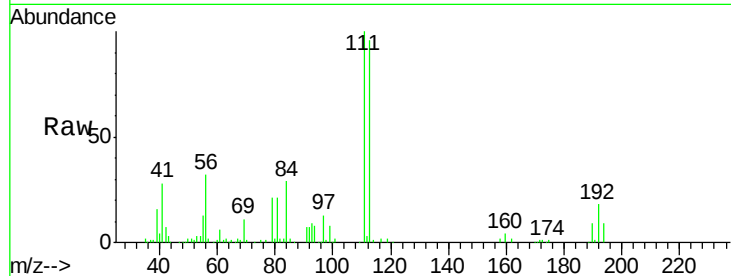
#35
 Dibromofluoromethane
 Concen: 46.920 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	540818		
111	104.0	81.2	121.8	
192	18.6	12.9	19.3	

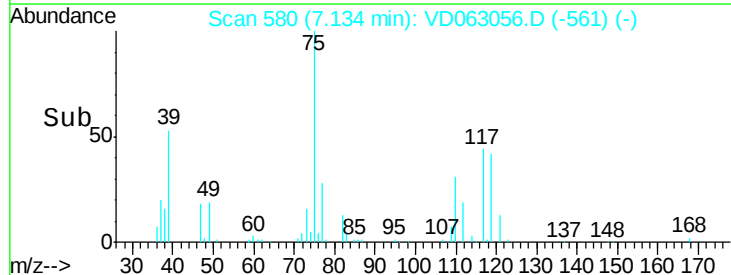
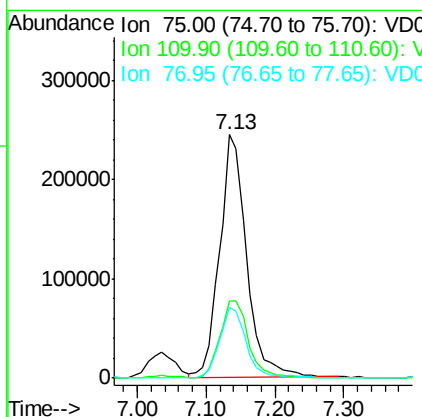
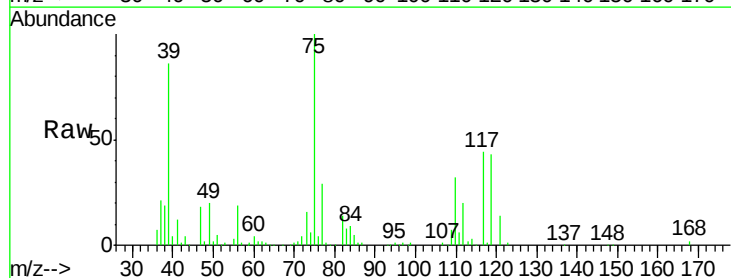
Manual Integrations
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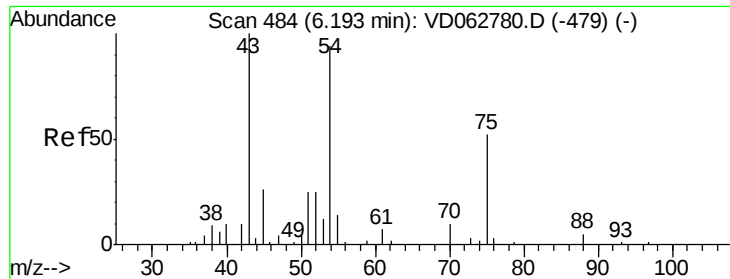
MMDadoda
 7/13/2019 1:29:05 AM



#36
 1,1-Dichloropropene
 Concen: 51.098 ug/l
 RT: 7.13 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	661242		
110	31.6	15.0	45.1	
77	29.1	22.2	33.2	





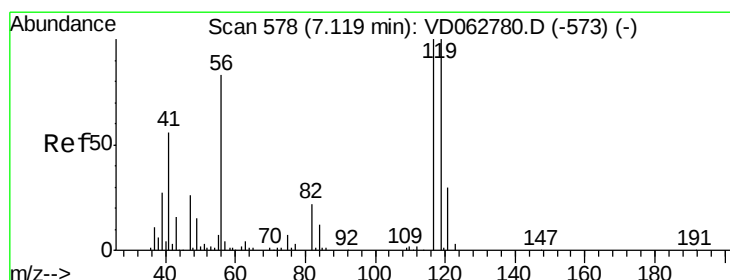
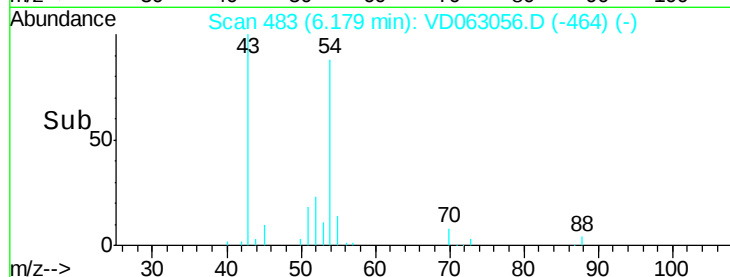
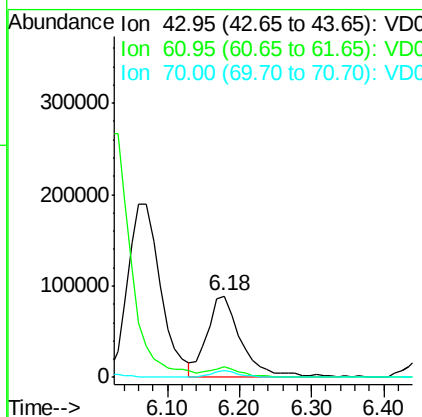
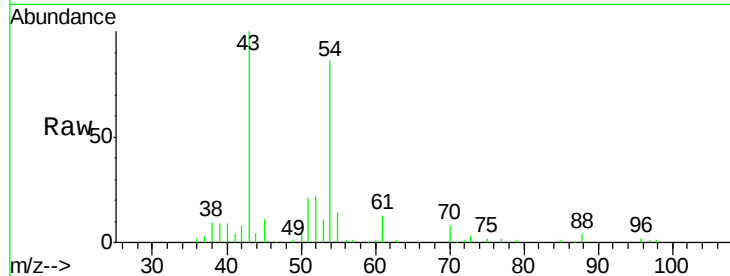
#37
Ethyl Acetate
Concen: 52.661 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	285944		
61	13.1		11.6	17.4
70	8.3		6.4	9.6

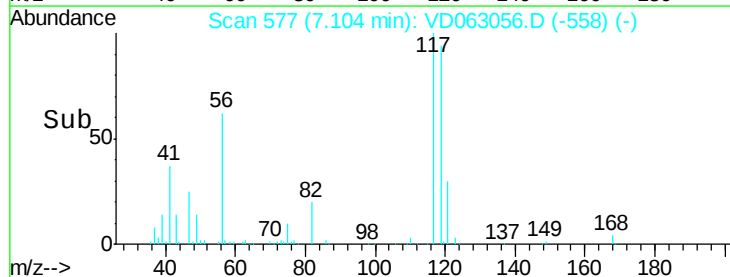
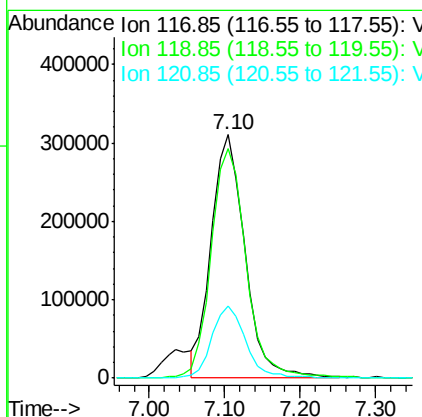
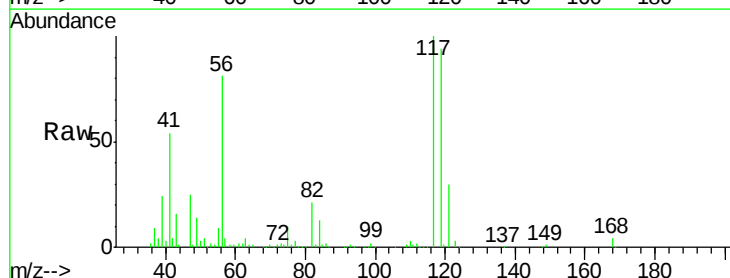
Manual Integrations
APPROVED

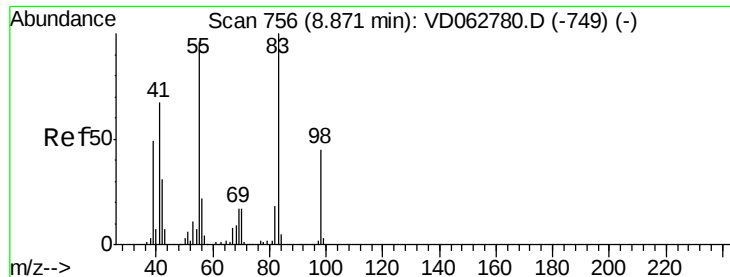
MMDadoda
7/13/2019 1:29:05 AM



#38
Carbon Tetrachloride
Concen: 50.002 ug/l m
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	973138		
119	94.1		75.4	113.2
121	29.6		22.3	33.5





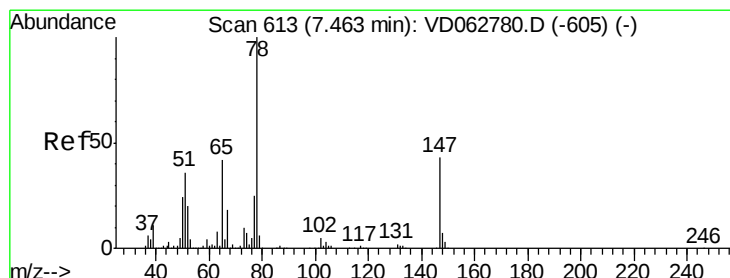
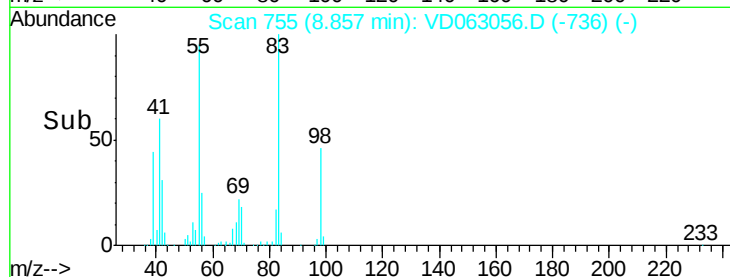
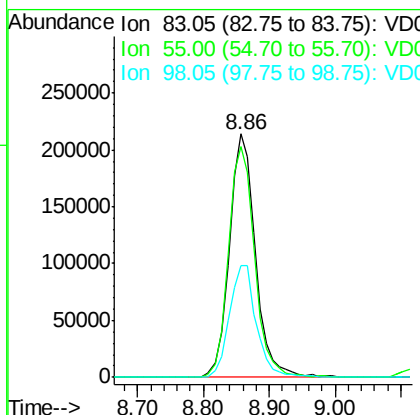
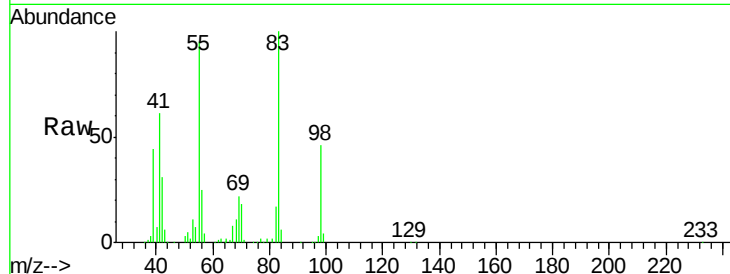
#39
Methvlcvclohexane
Concen: 52.172 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.0	76.6	115.0
98	45.8	35.7	53.5

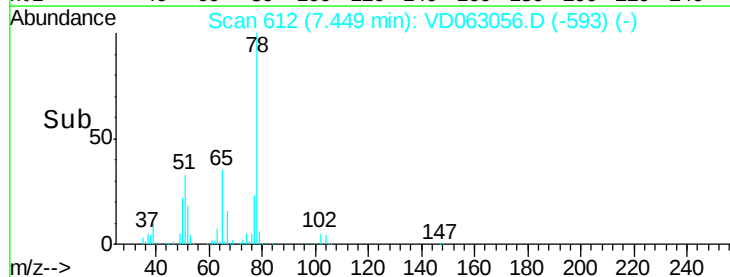
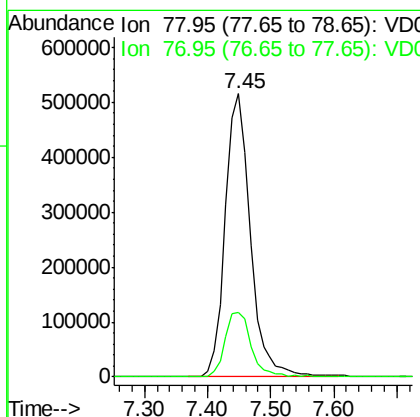
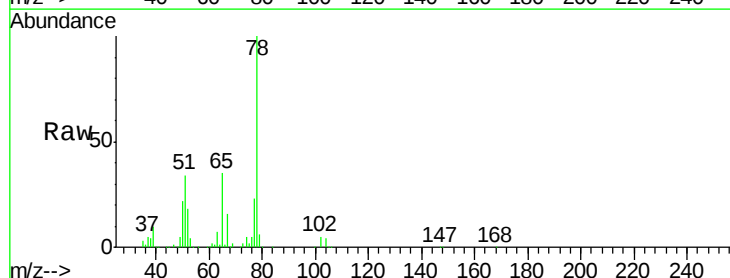
Manual Integrations
APPROVED

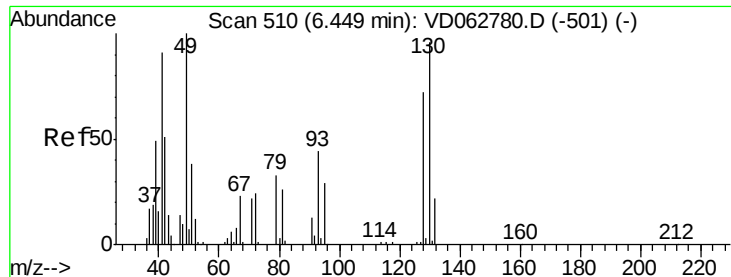
MMDadoda
7/13/2019 1:29:05 AM



#40
Benzene
Concen: 55.057 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	20.2	30.2





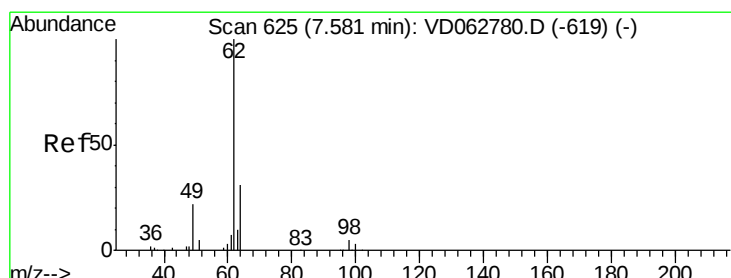
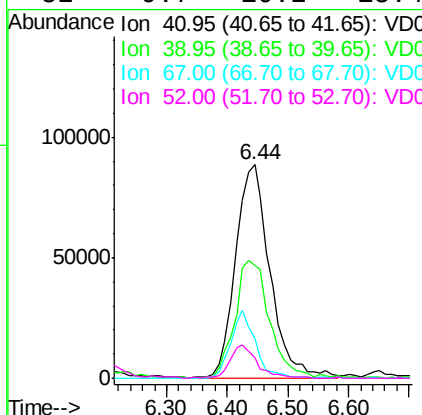
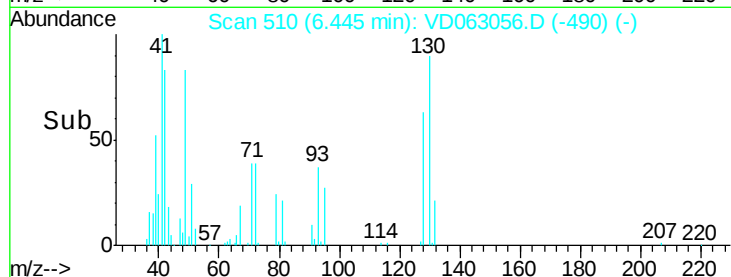
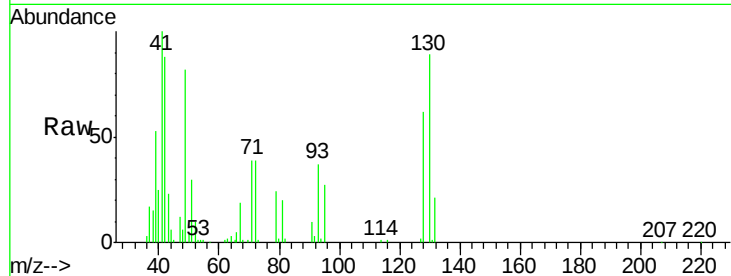
#41
Methacrylonitrile
Concen: 51.410 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.7	43.2	64.8
67	18.9	19.9	29.9#
52	9.7	10.2	15.4#

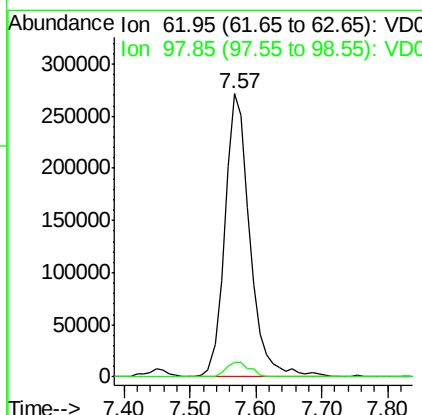
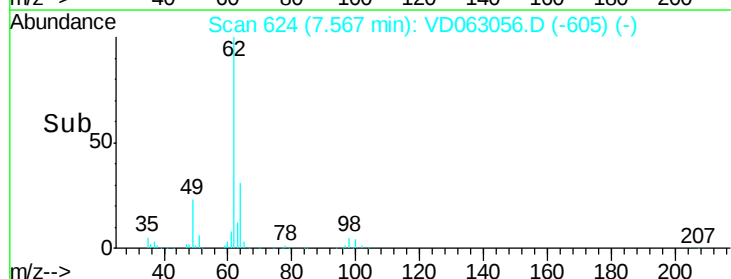
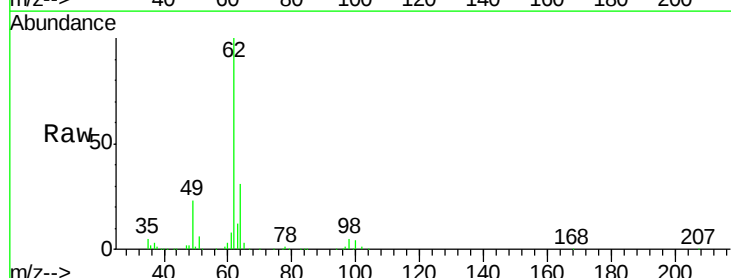
Manual Integrations
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7/13/2019 1:29:05 AM



#42
1,2-Dichloroethane
Concen: 50.962 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.2	0.0	10.0





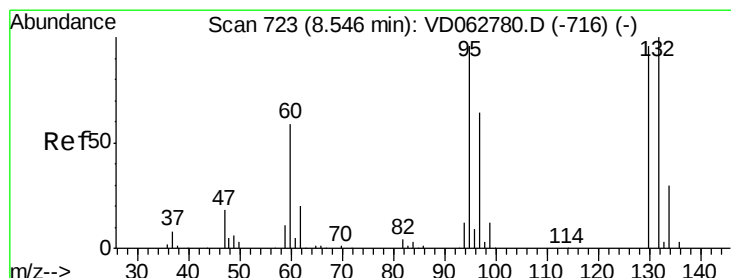
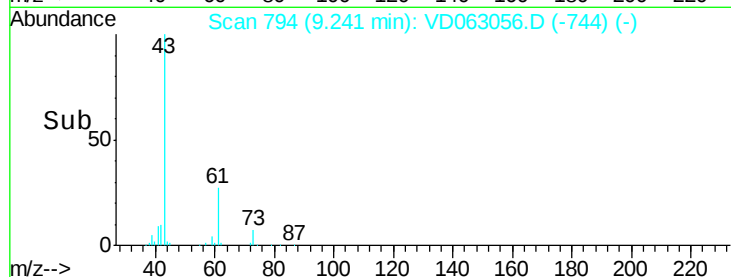
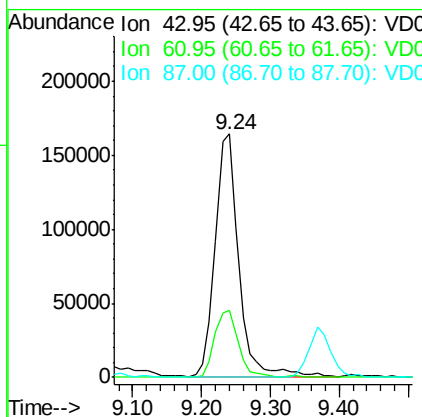
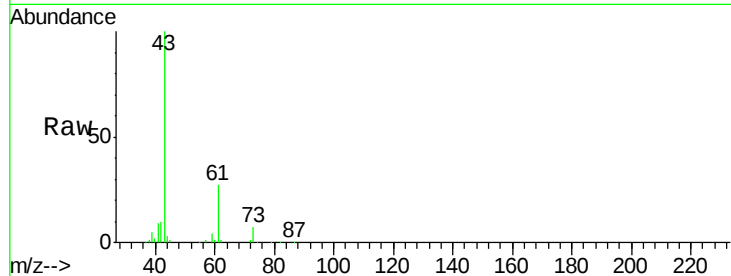
#43
Isopropyl Acetate
Concen: 57.627 ug/l
RT: 9.24 min Scan# 794
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.4	22.4	33.6
87	0.3	0.3	0.5

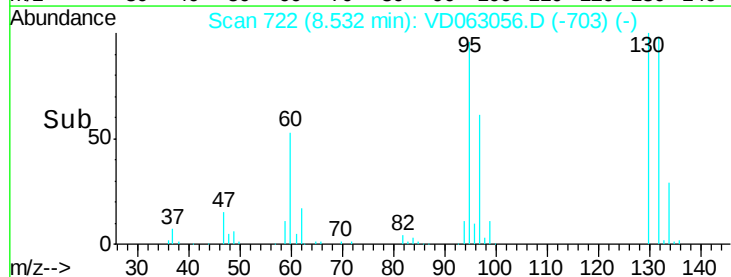
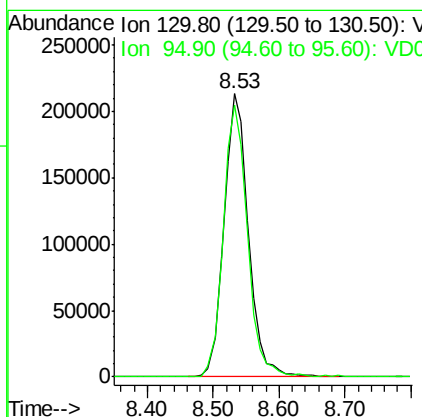
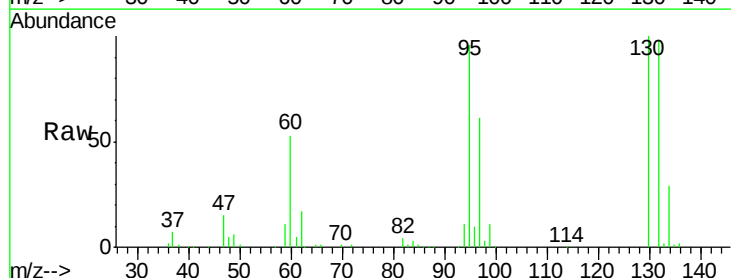
Manual Integrations
APPROVED

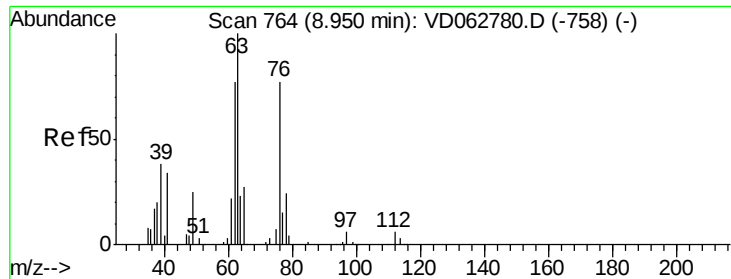
MMDadoda
7/13/2019 1:29:05 AM



#44
Trichloroethene
Concen: 54.177 ug/l
RT: 8.53 min Scan# 722
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	201.6





#45

1,2-Dichloropropane

Concen: 55.796 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 360389

Ion Ratio Lower Upper

63 100

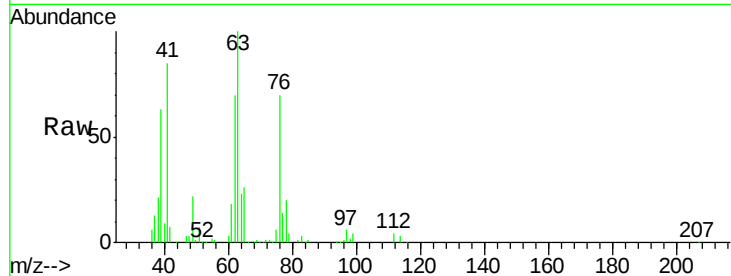
65 26.5 24.2 36.2

Manual Integrations

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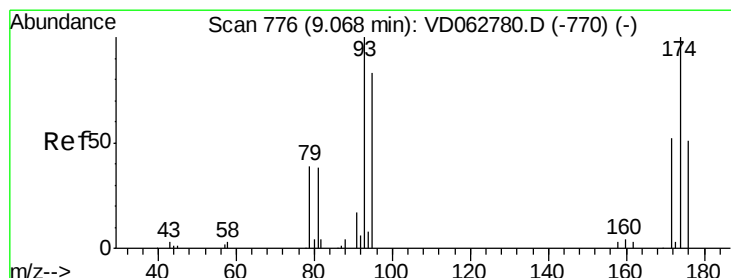
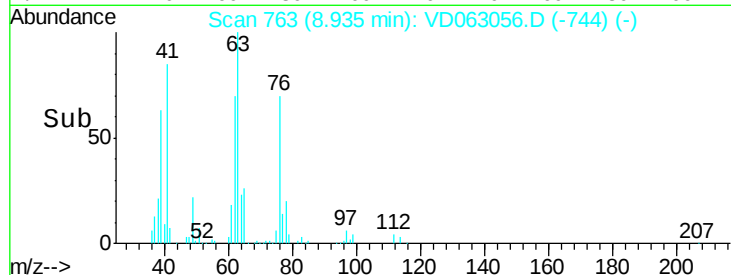
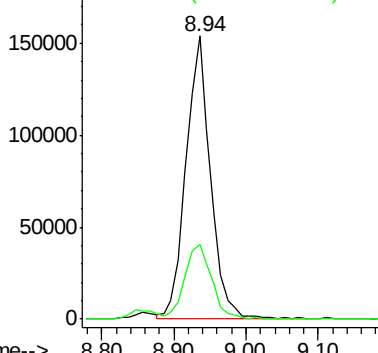
MMDadoda

7/13/2019 1:29:05 AM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 52.525 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

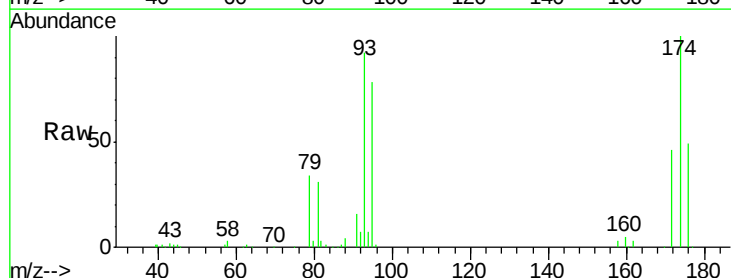
Tgt Ion: 93 Resp: 291429

Ion Ratio Lower Upper

93 100

95 85.5 66.6 100.0

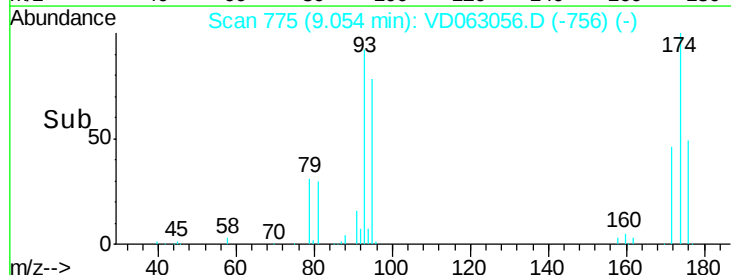
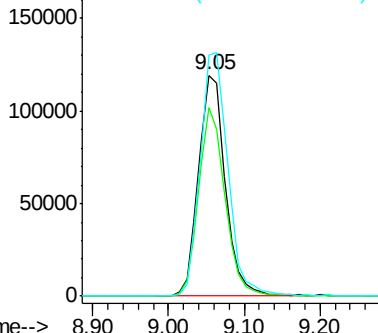
174 109.3 79.7 119.5

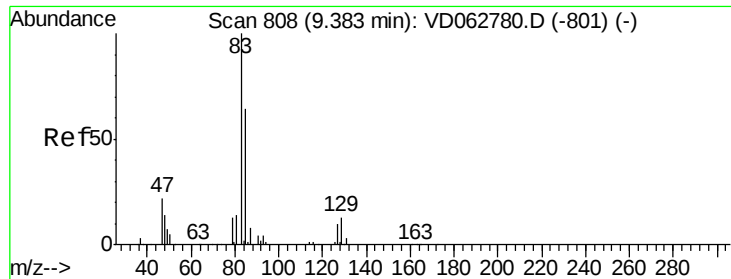


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 53.250 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

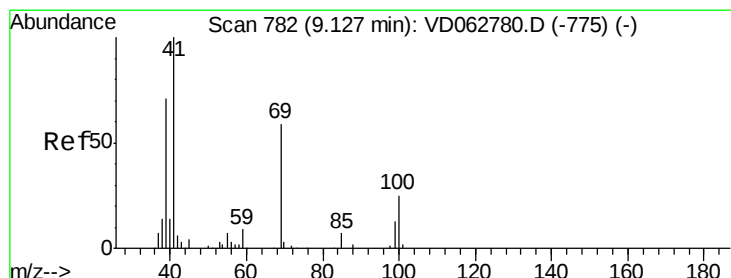
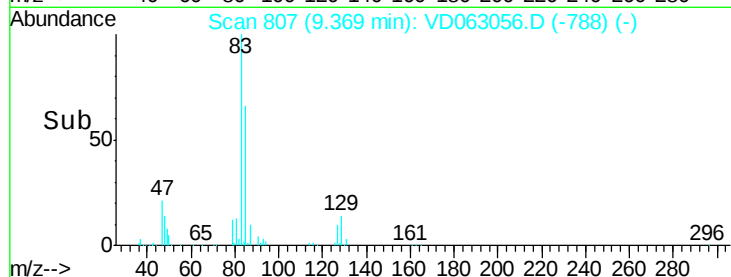
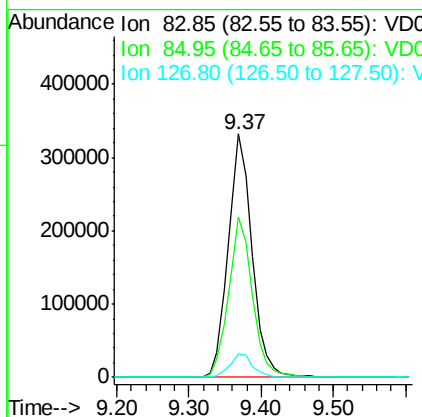
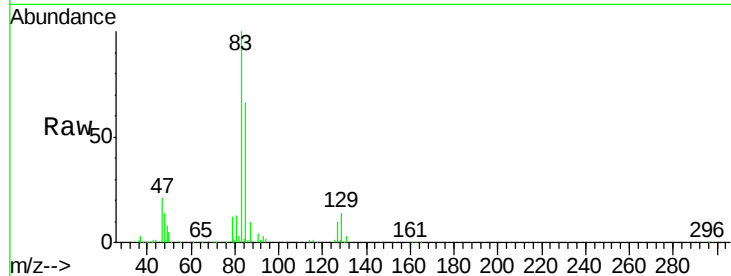
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	767322
Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.6	77.4
127	9.5	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.649 ug/l

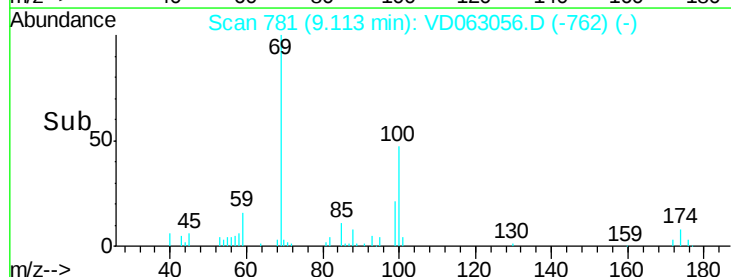
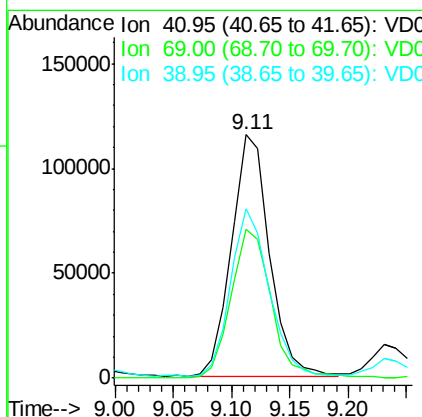
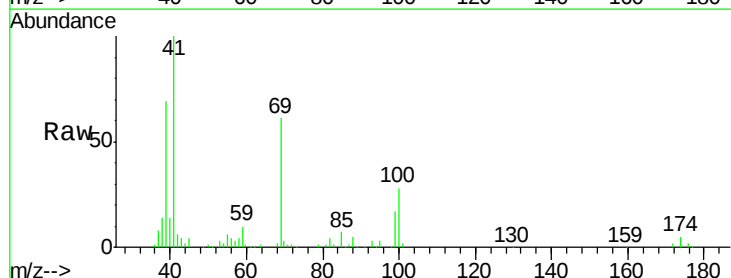
RT: 9.11 min Scan# 781

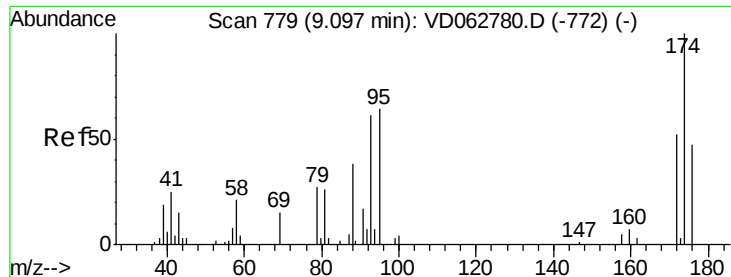
Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Tgt Ion:	41	Resp:	263472
Ion	Ratio	Lower	Upper
41	100		
69	61.3	47.2	70.8
39	69.3	57.4	86.2





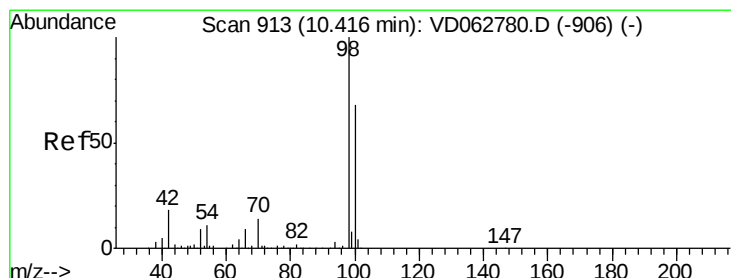
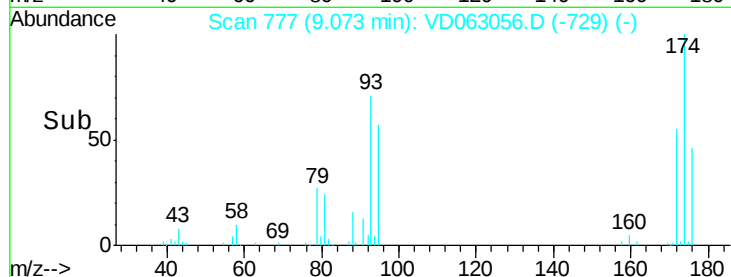
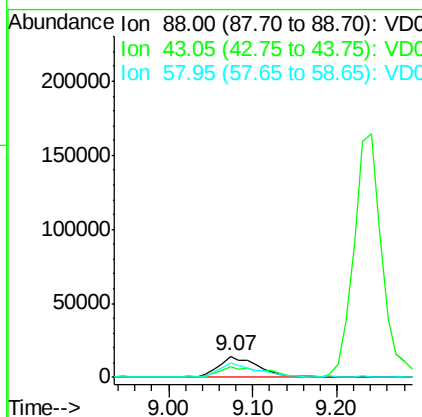
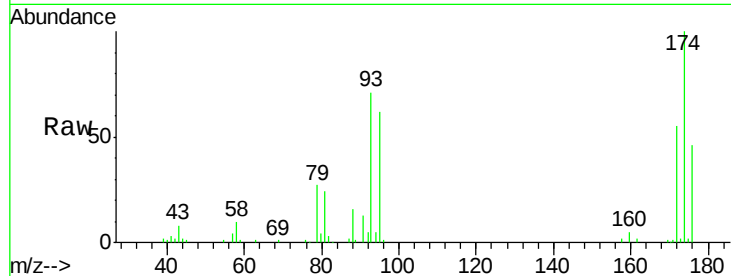
#49
 1,4-Dioxane
 Concen: 1153.624 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. -0.02 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	46272
Ion	Ratio	Lower	Upper
88	100		
43	51.7	32.1	48.1#
58	66.0	44.1	66.1

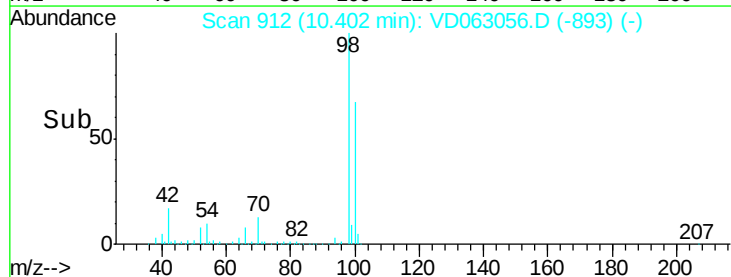
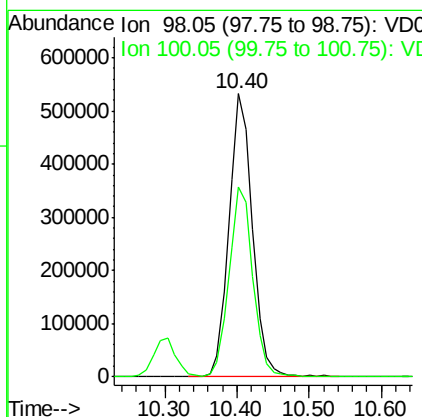
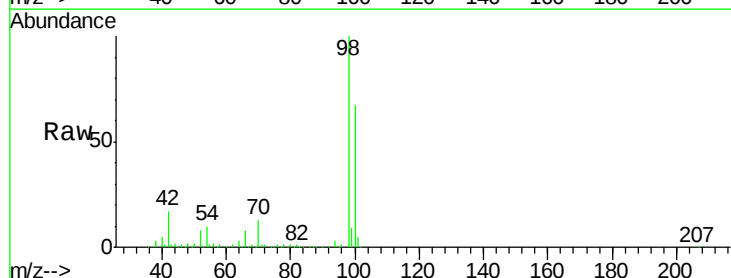
Manual Integrations
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 7/13/2019 1:29:05 AM



#50
 Toluene-d8
 Concen: 48.148 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Tgt Ion	98	Resp	1207892
Ion	Ratio	Lower	Upper
98	100		
100	67.3	54.7	82.1





#51

4-Methyl-2-Pentanone

Concen: 283.873 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1365435

Ion Ratio Lower Upper

43 100

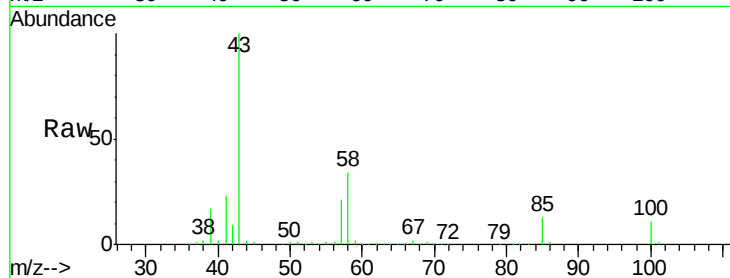
58 34.5 26.6 40.0

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

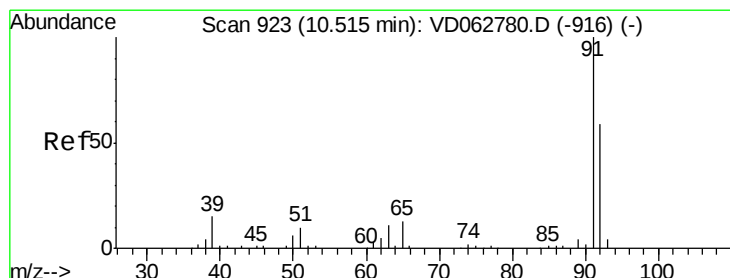
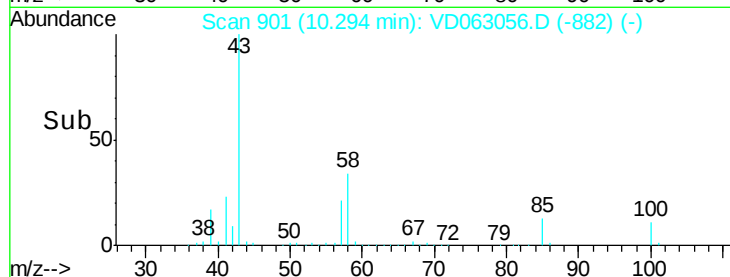
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 56.831 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD063056.D

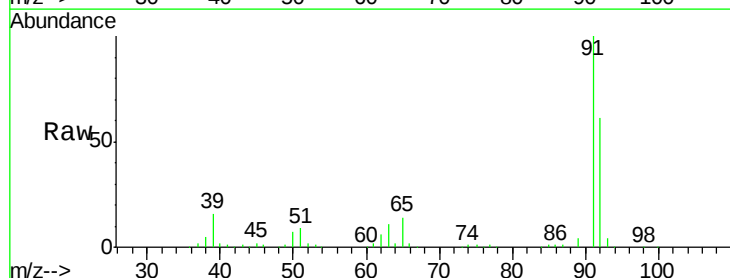
Acq: 10 Jul 2019 14:07

Tgt Ion: 92 Resp: 992326

Ion Ratio Lower Upper

92 100

91 162.8 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

800000

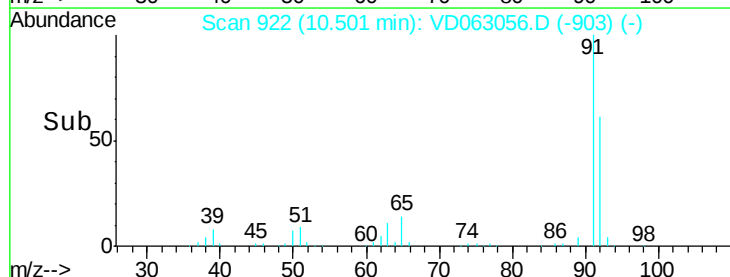
600000

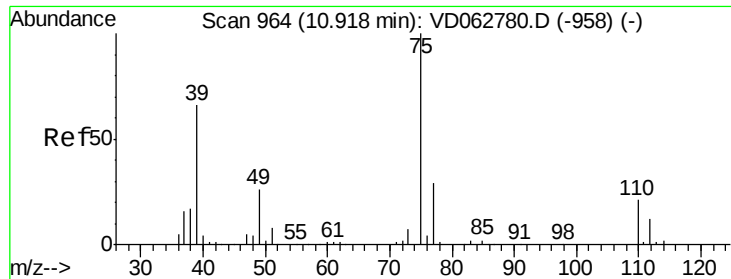
400000

200000

0

Time-->





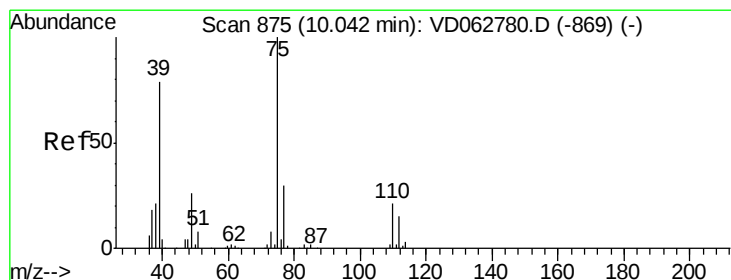
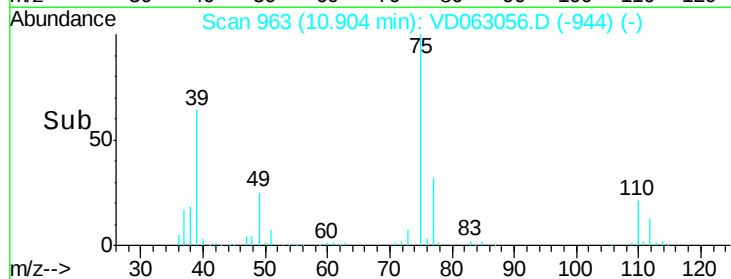
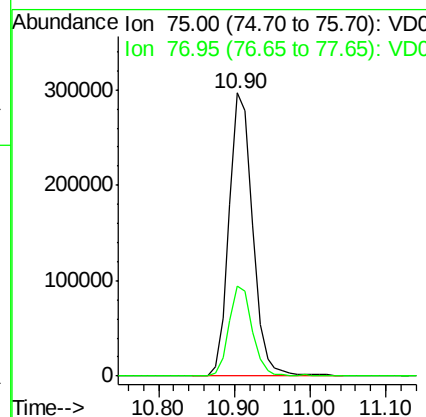
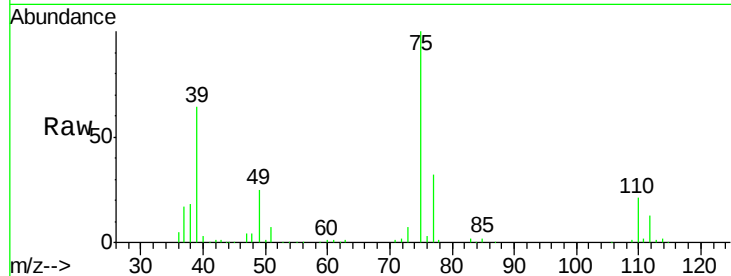
#53
t-1,3-Dichloropropene
Concen: 54.112 ug/l
RT: 10.90 min Scan# 963
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 638204
Ion Ratio Lower Upper
75 100
77 32.0 23.2 34.8

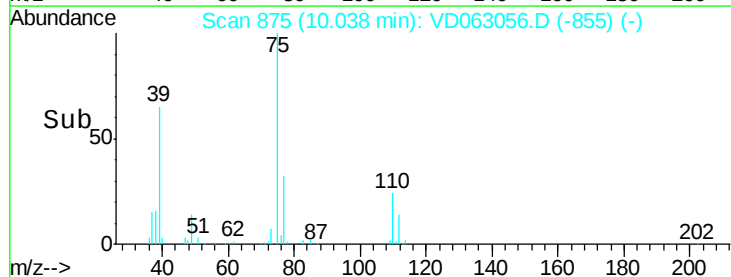
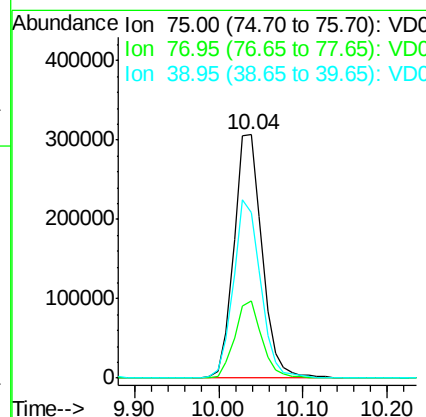
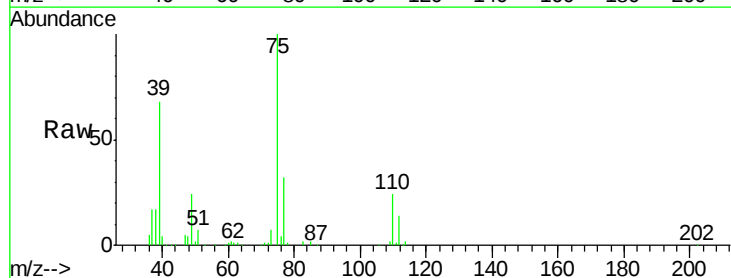
Manual Integrations
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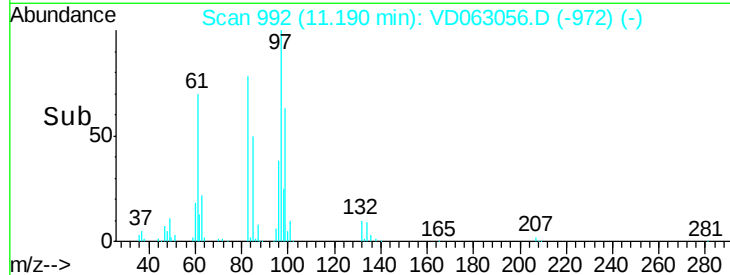
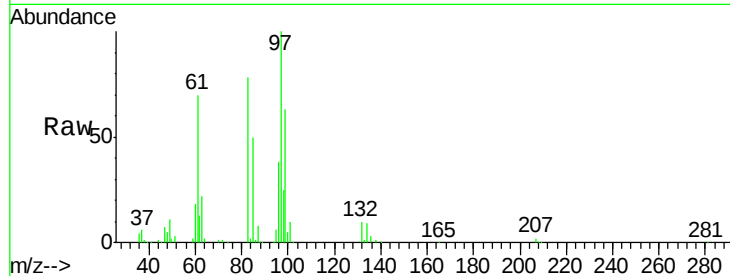
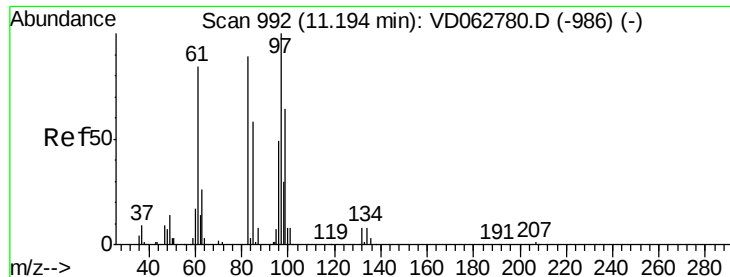
MMDadoda
7/13/2019 1:29:05 AM



#54
cis-1,3-Dichloropropene
Concen: 55.633 ug/l
RT: 10.04 min Scan# 875
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion: 75 Resp: 713170
Ion Ratio Lower Upper
75 100
77 31.8 24.2 36.2
39 68.0 63.5 95.3





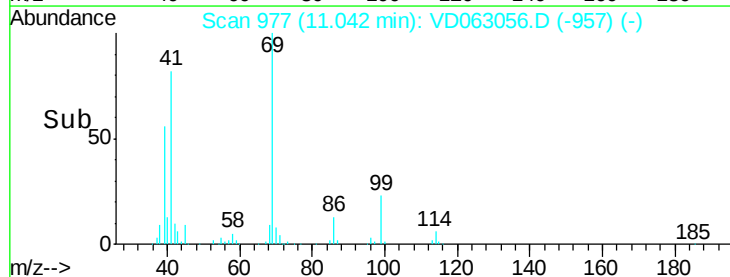
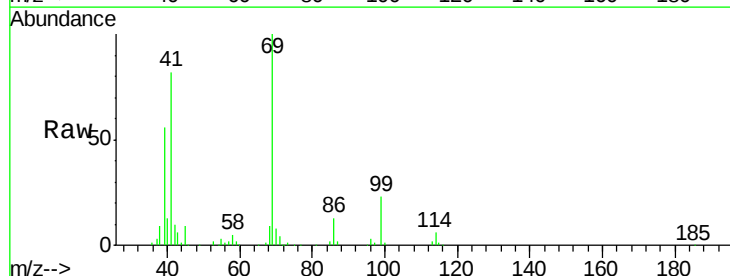
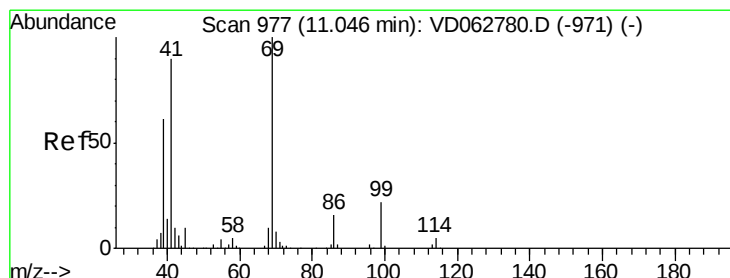
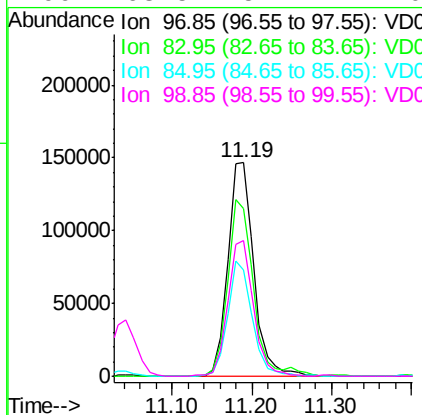
#55
1,1,2-Trichloroethane
Concen: 55.911 ug/l
RT: 11.19 min Scan# 992
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tot Ion:	97	Resp:	335404
Ion	Ratio	Lower	Upper
97	100		
83	78.3	71.0	106.4
85	49.7	46.6	69.8
99	63.5	51.4	77.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

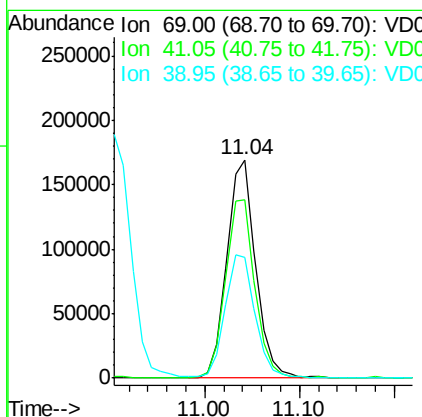
Manual Integrations
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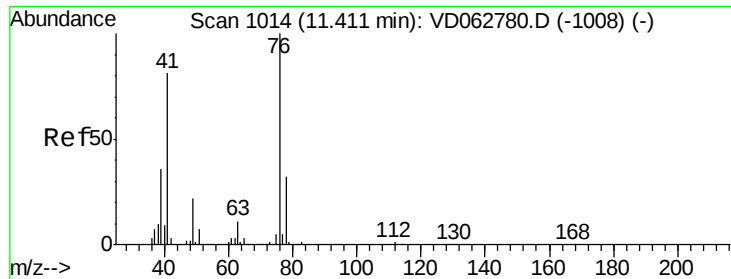
MMDadoda
7/13/2019 1:29:05 AM



#56
Ethyl methacrylate
Concen: 55.585 ug/l
RT: 11.04 min Scan# 977
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion:	69	Resp:	356356
Ion	Ratio	Lower	Upper
69	100		
41	81.6	72.0	108.0
39	55.5	49.5	74.3





#57

1,3-Dichloropropane

Concen: 55.406 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 508916

Ion Ratio Lower Upper

76 100

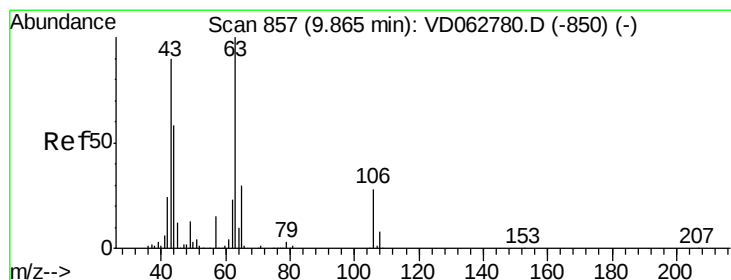
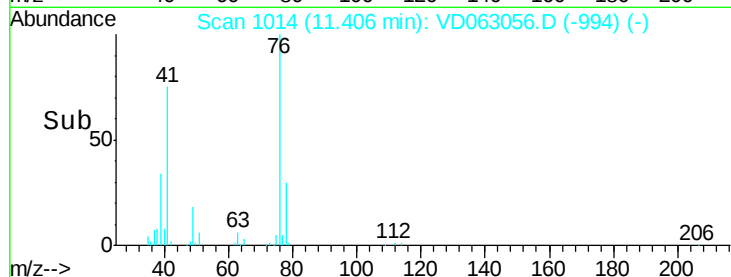
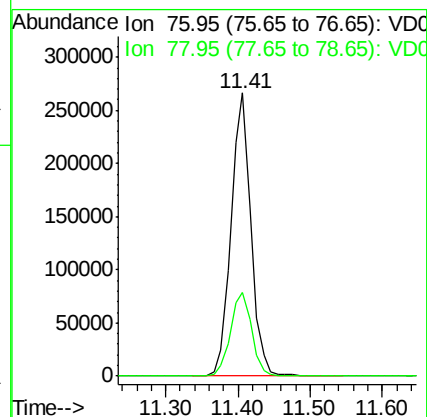
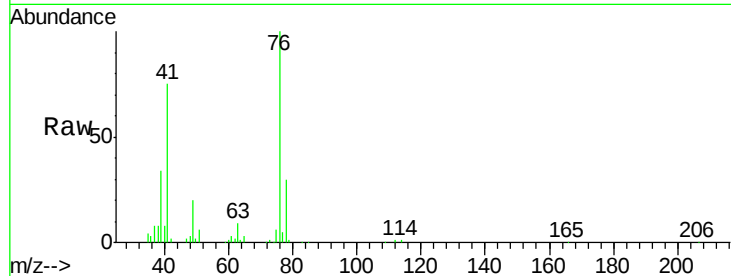
78 29.8 25.4 38.0

Manual Integrations

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MMDadoda

7/13/2019 1:29:05 AM



#58

2-Chloroethyl Vinyl ether

Concen: 278.652 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.01 min

Lab File: VD063056.D

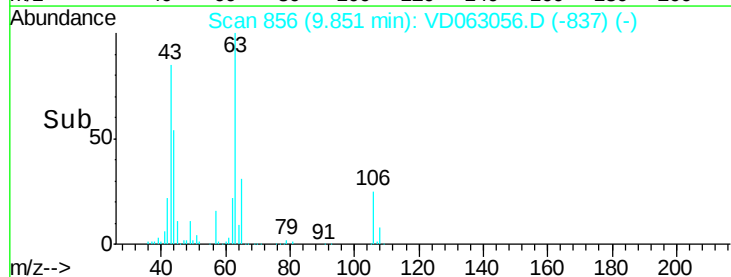
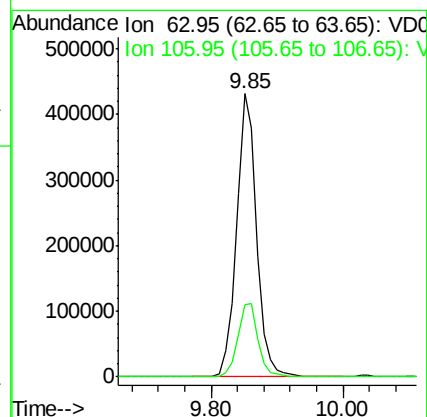
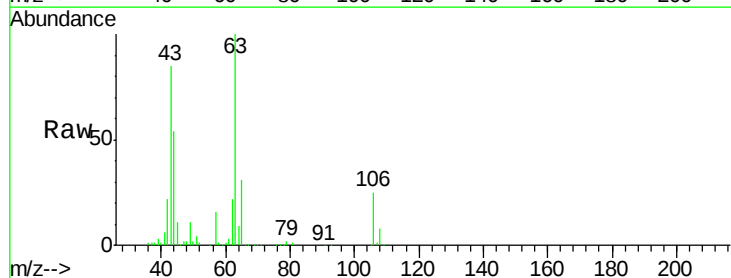
Acq: 10 Jul 2019 14:07

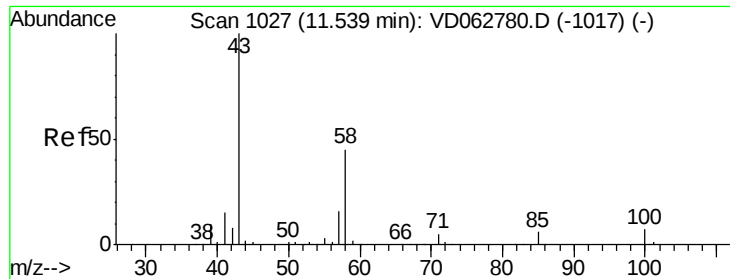
Tgt Ion: 63 Resp: 917123

Ion Ratio Lower Upper

63 100

106 25.4 22.1 33.1





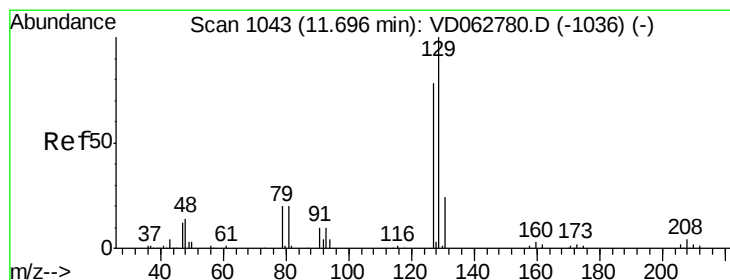
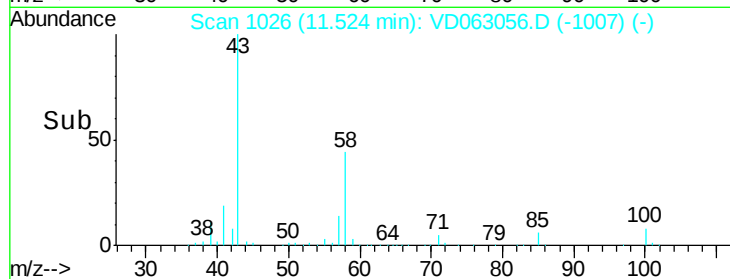
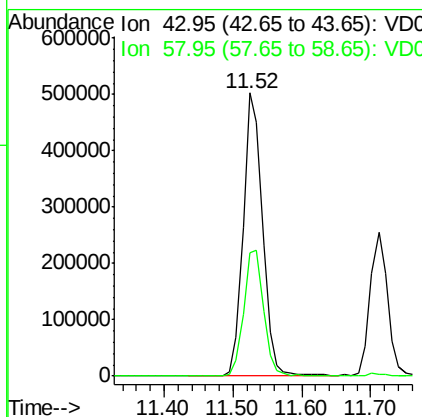
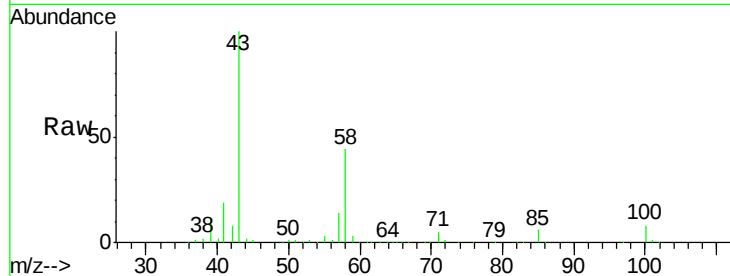
#59
2-Hexanone
Concen: 286.205 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	980439
Ion Ratio	100	Lower	Upper
58	43.6	22.4	67.2

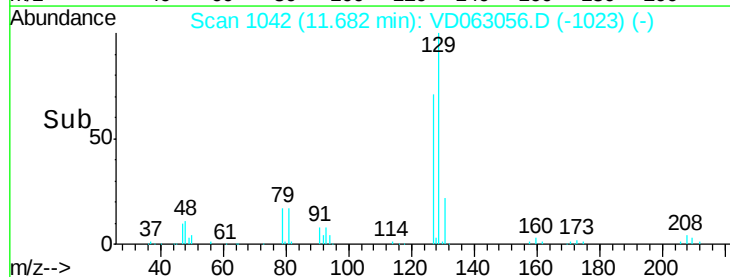
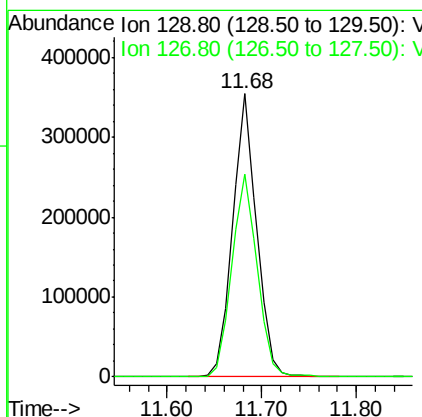
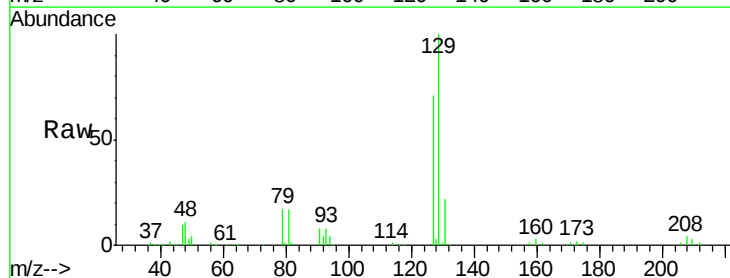
Manual Integrations
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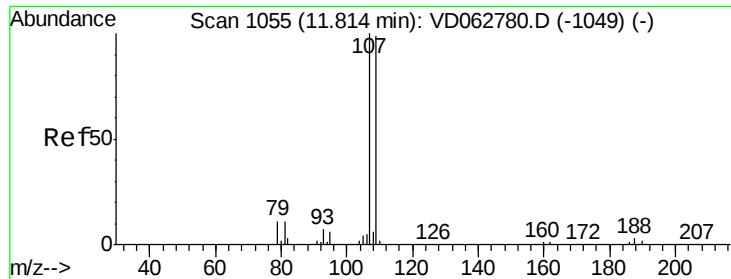
MMDadoda
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#60
Dibromochloromethane
Concen: 55.684 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion	129	Resp	622202
Ion Ratio	100	Lower	Upper
127	71.5	38.9	116.6





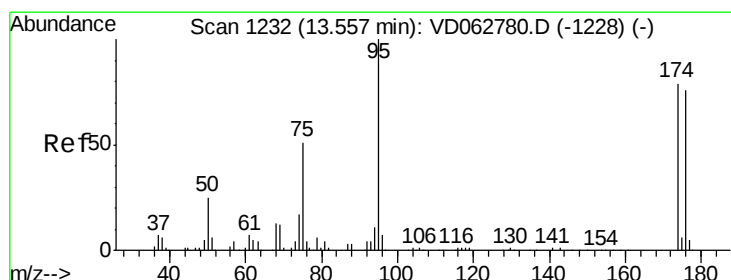
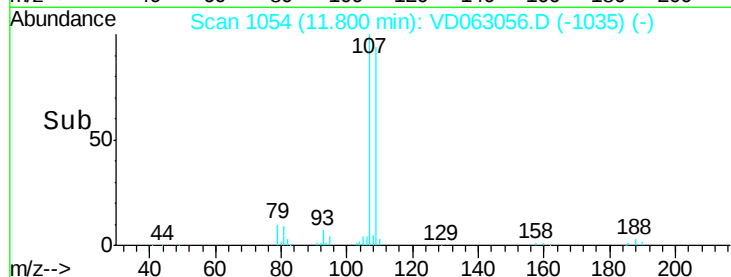
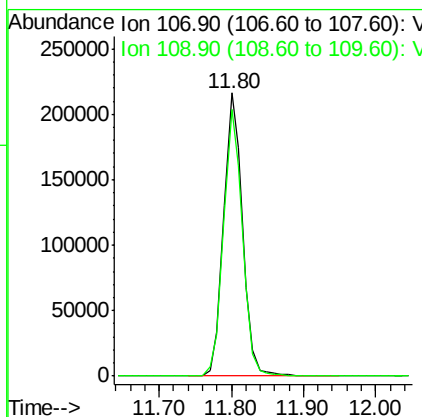
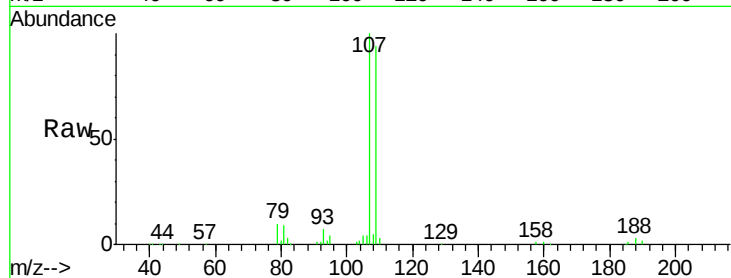
#61
 1,2-Dibromoethane
 Concen: 55.173 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	79.3	118.9

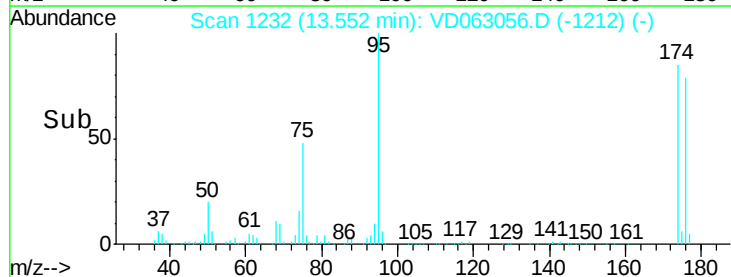
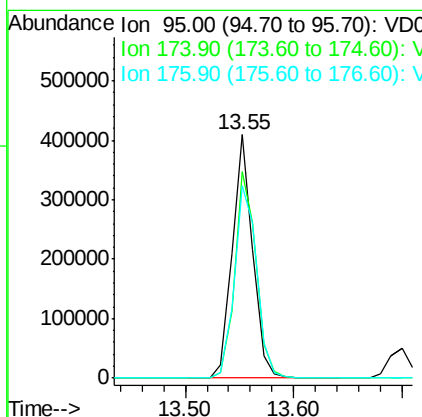
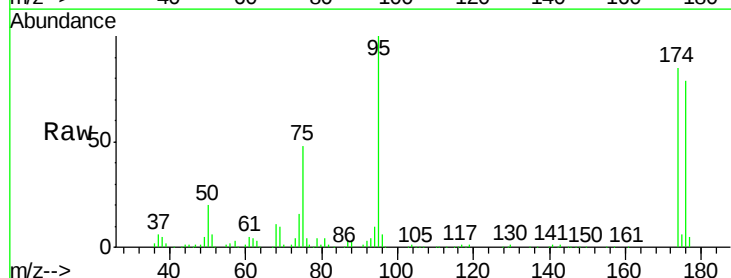
Manual Integrations
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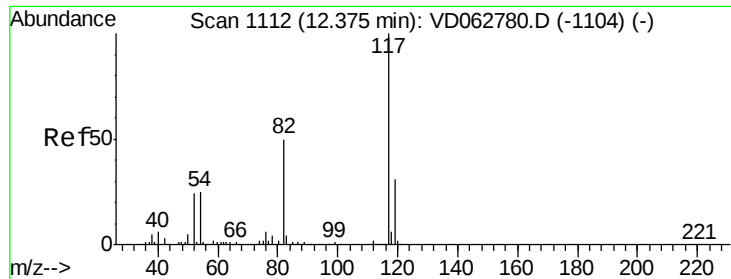
MMDadoda
 7/13/2019 1:29:05 AM



#62
 4-Bromofluorobenzene
 Concen: 47.222 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	158.0
176	78.8	0.0	151.6





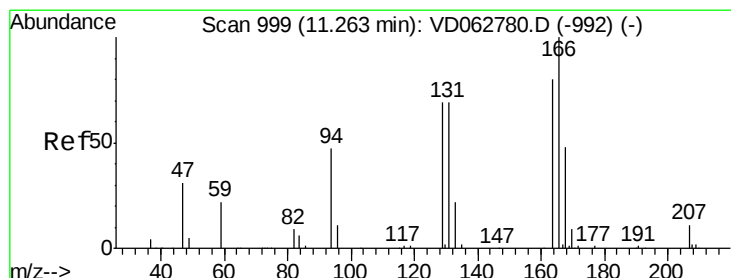
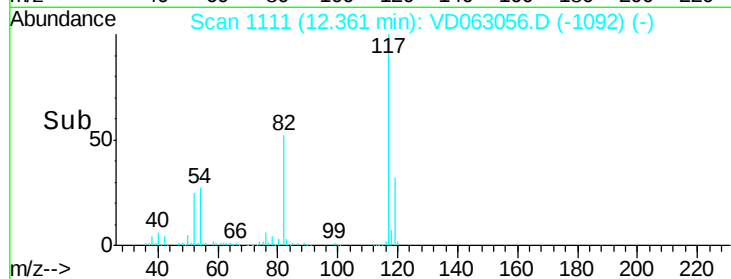
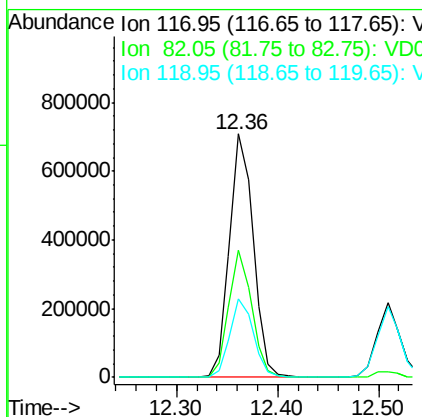
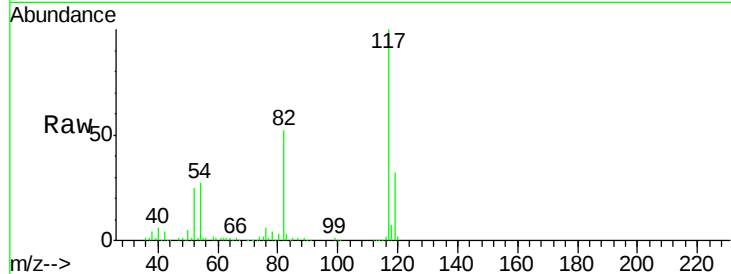
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1167659
Ion Ratio Lower Upper
117 100
82 52.2 40.4 60.6
119 32.1 25.2 37.8

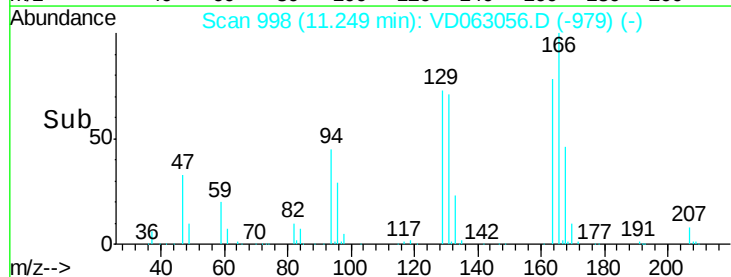
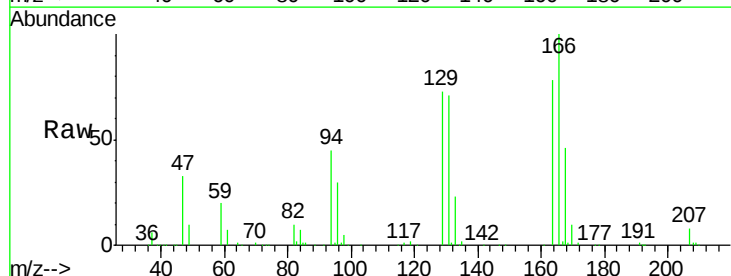
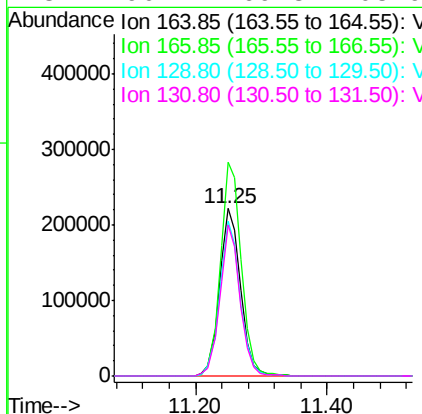
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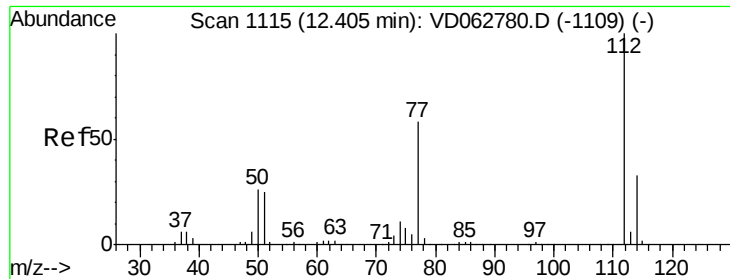
MMDadoda
7/13/2019 1:29:05 AM



#64
Tetrachloroethene
Concen: 51.106 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion:164 Resp: 491134
Ion Ratio Lower Upper
164 100
166 127.7 100.6 150.8
129 92.9 69.4 104.0
131 90.2 69.3 103.9





#65

Chlorobenzene

Concen: 53.365 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1156443

Ion Ratio Lower Upper

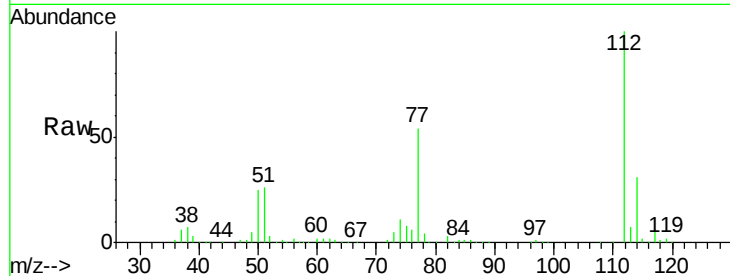
112 100

114 31.3 26.3 39.5

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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

800000

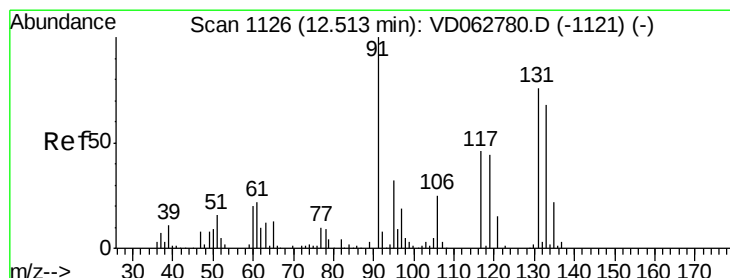
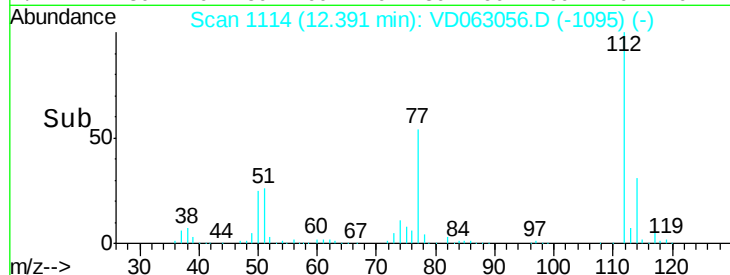
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.630 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

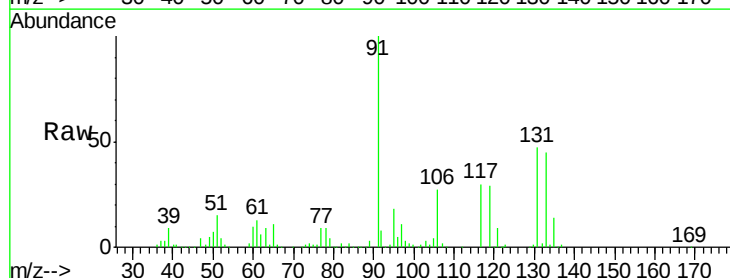
Tgt Ion:131 Resp: 543510

Ion Ratio Lower Upper

131 100

133 94.3 44.5 133.3

119 60.1 28.6 85.9



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

400000

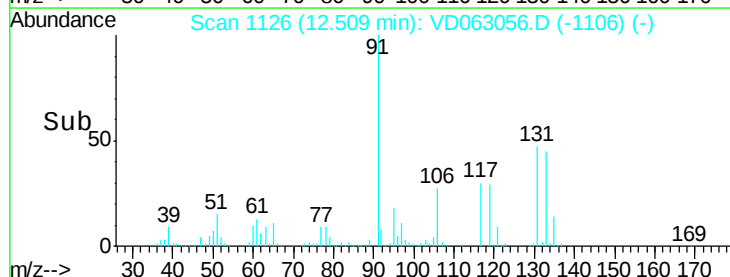
300000

200000

100000

0

Time-->





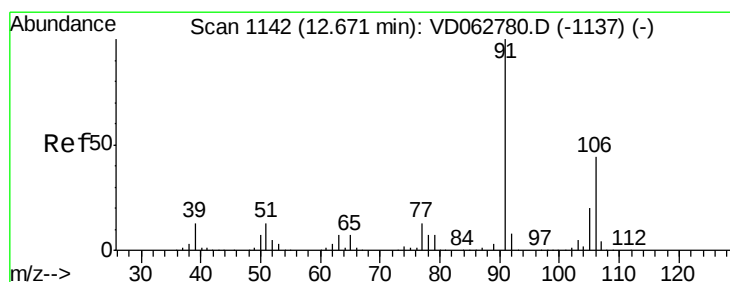
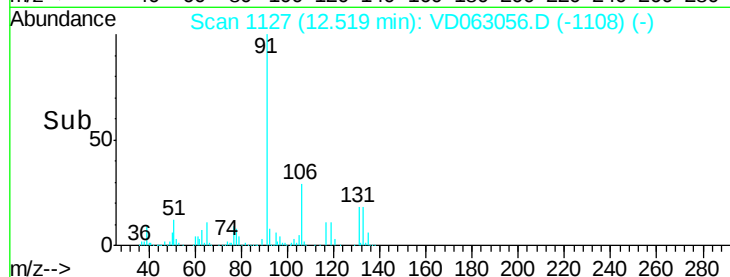
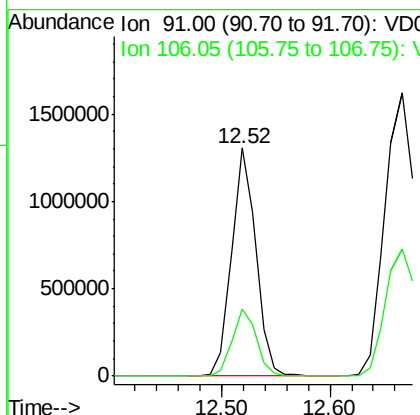
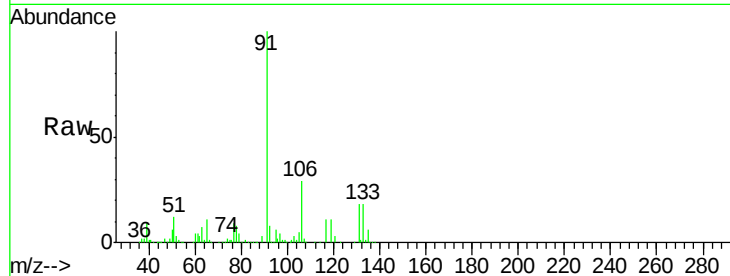
#67
Ethyl Benzene
Concen: 52.468 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2041383
Ion Ratio Lower Upper
91 100
106 29.3 23.1 34.7

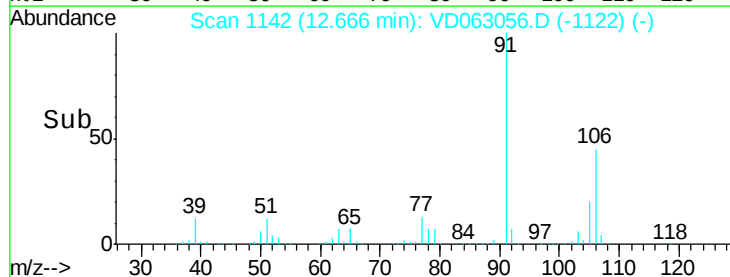
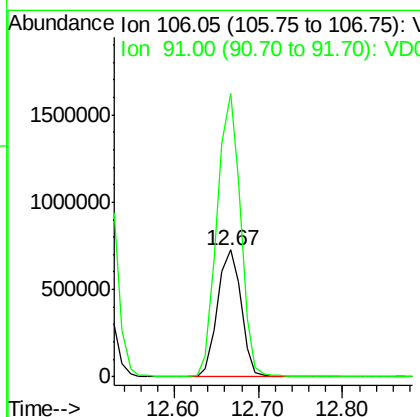
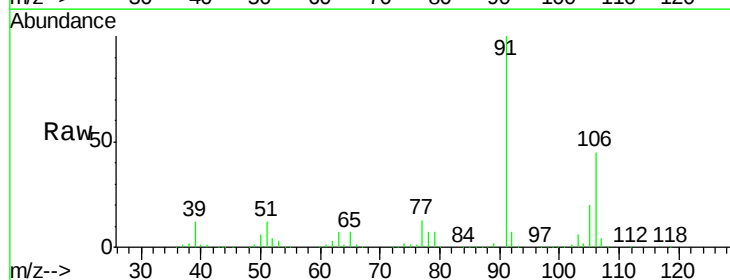
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#68
m/p-Xylenes
Concen: 104.703 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion: 106 Resp: 1418826
Ion Ratio Lower Upper
106 100
91 223.6 183.0 274.6





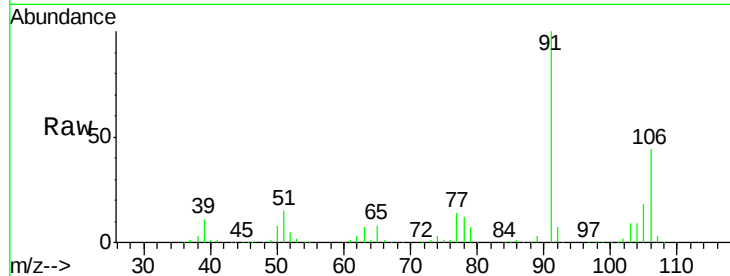
#69
o-Xylene
Concen: 53.403 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

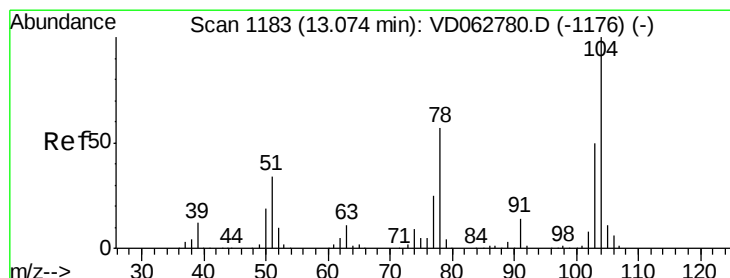
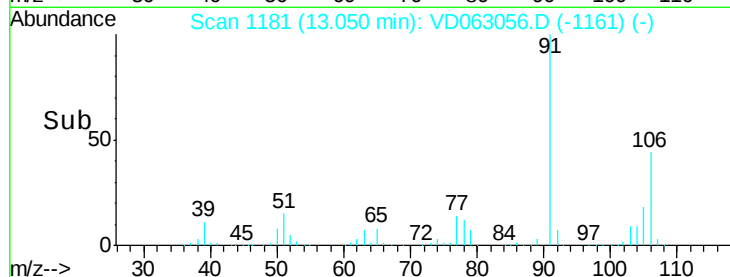
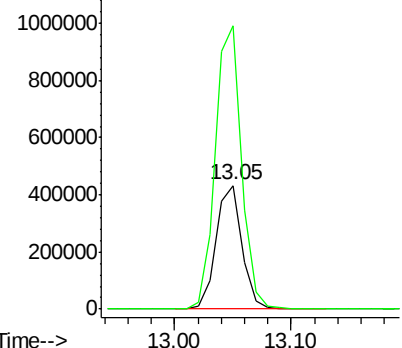
Tot Ion:106 Resp: 661539
Ion Ratio Lower Upper
106 100
91 229.1 117.9 353.6

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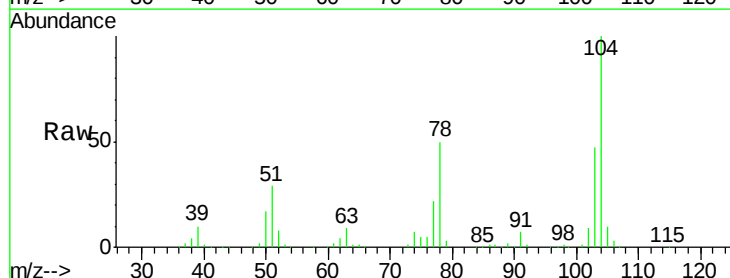


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

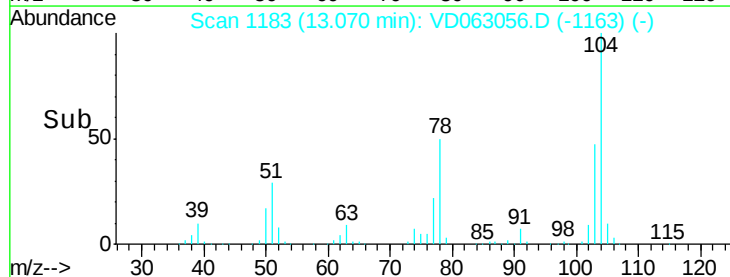
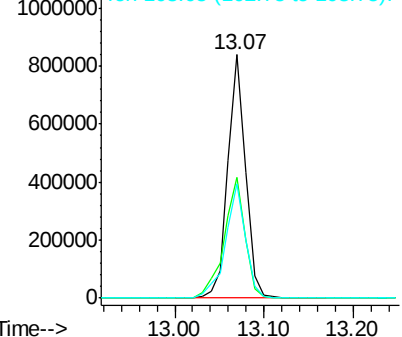


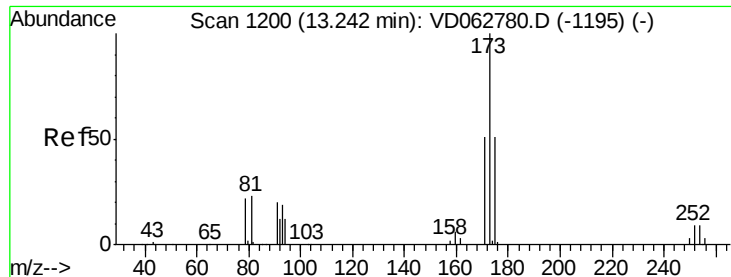
#70
Styrene
Concen: 53.421 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion:104 Resp: 1162354
Ion Ratio Lower Upper
104 100
78 49.8 45.4 68.2
103 47.0 39.7 59.5



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





#71

Bromoform

Concen: 52.888 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

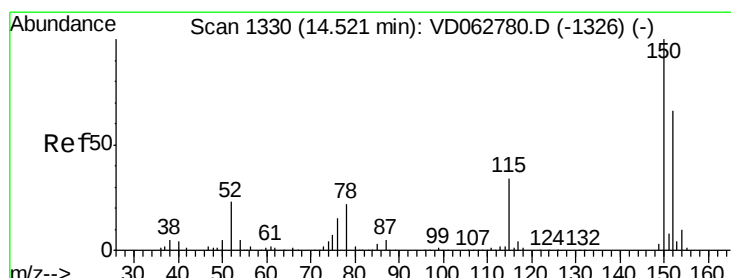
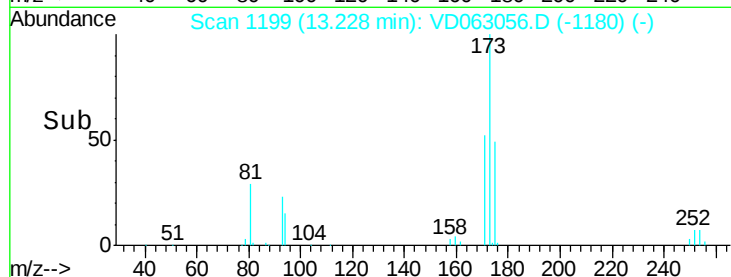
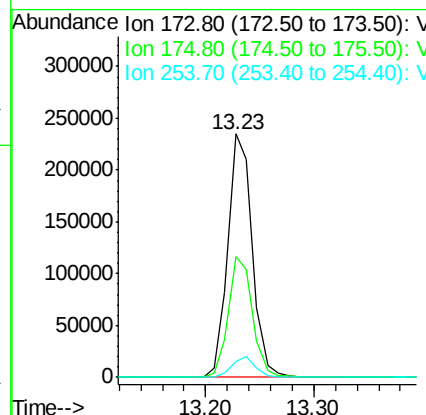
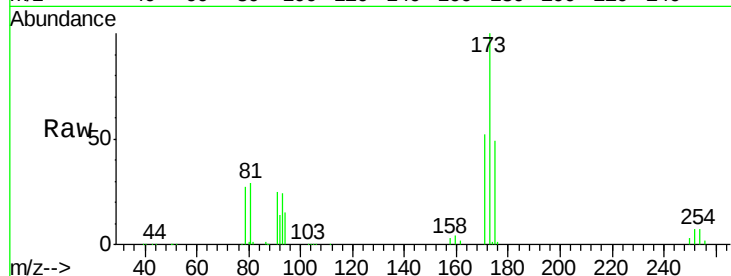
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	25.3	75.9
254	6.6	7.1	10.7

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

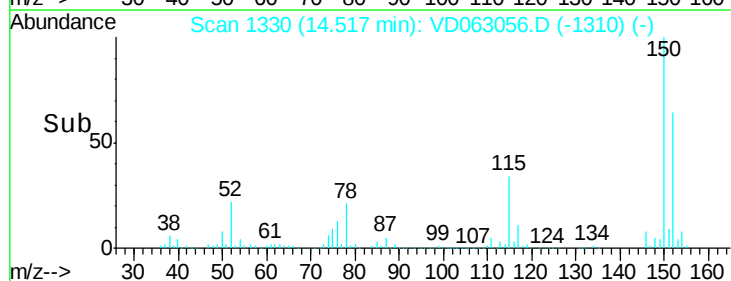
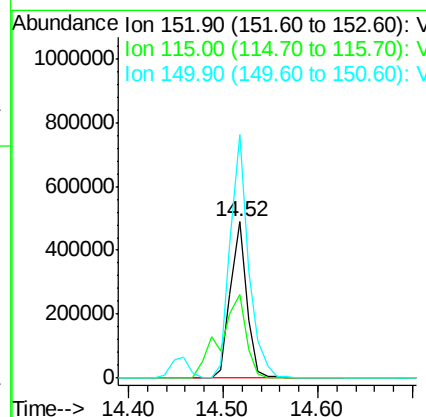
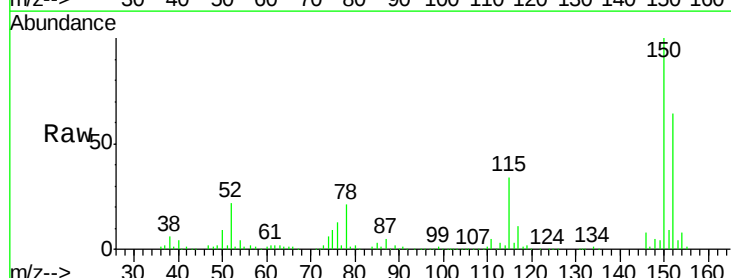
RT: 14.52 min Scan# 1330

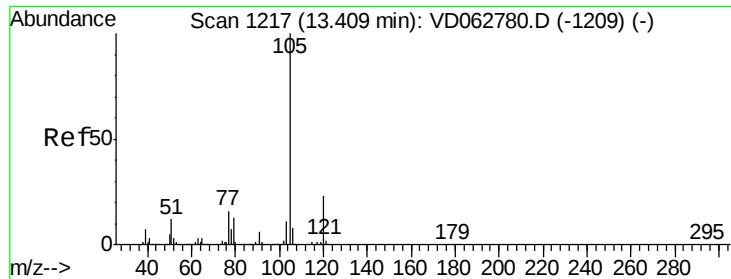
Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	29.2	87.6
150	156.1	0.0	305.8





#73

Isopropylbenzene

Concen: 57.349 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2154776

Ion Ratio Lower Upper

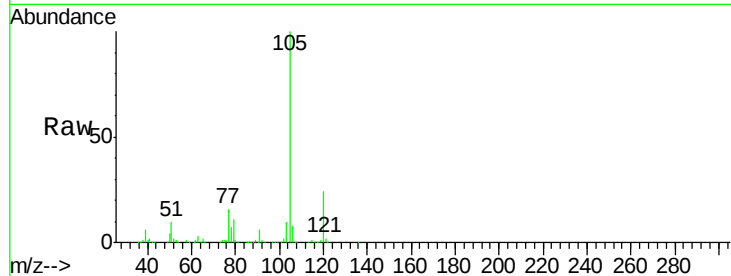
105 100

120 24.3 11.6 34.7

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

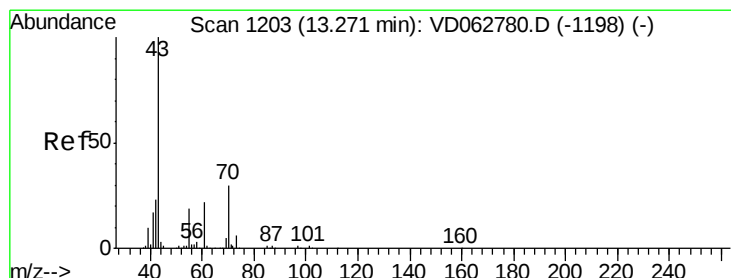
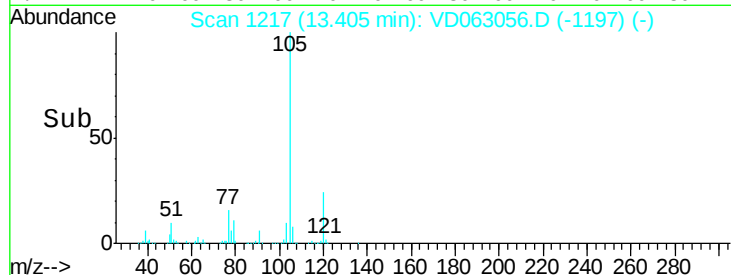
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 62.097 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Tgt Ion: 43 Resp: 566605

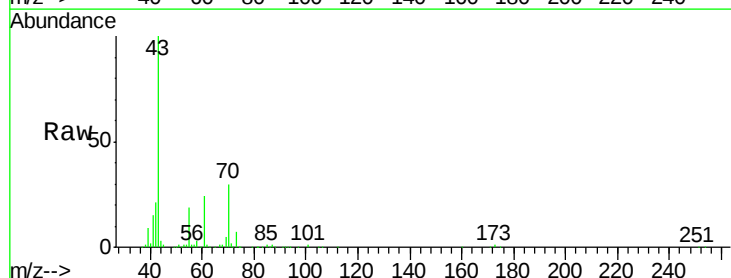
Ion Ratio Lower Upper

43 100

70 30.4 24.4 36.6

55 18.9 15.2 22.8

61 24.0 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

600000

500000

400000

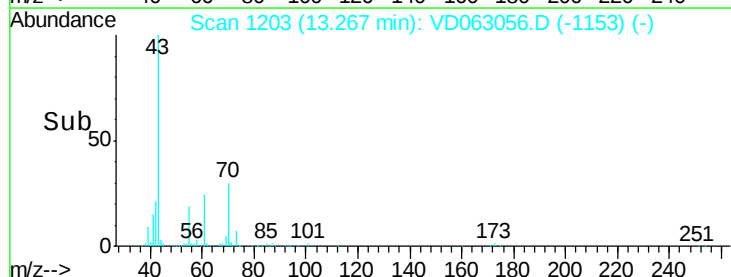
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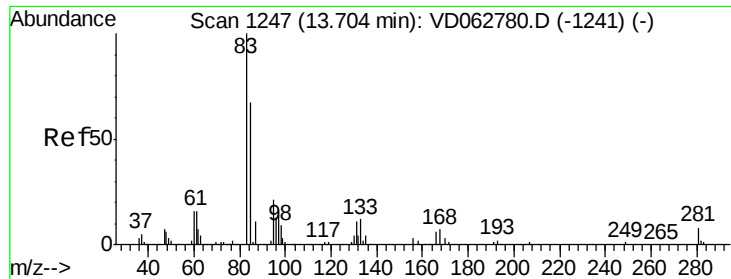
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 60.836 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 372436

Ion Ratio Lower Upper

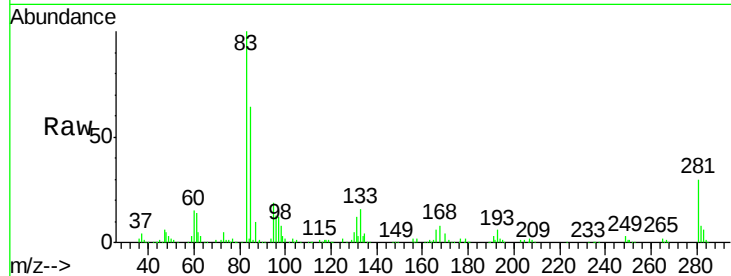
83 100

131 11.6 5.3 16.1

85 63.5 33.7 101.1

Manual Integrations
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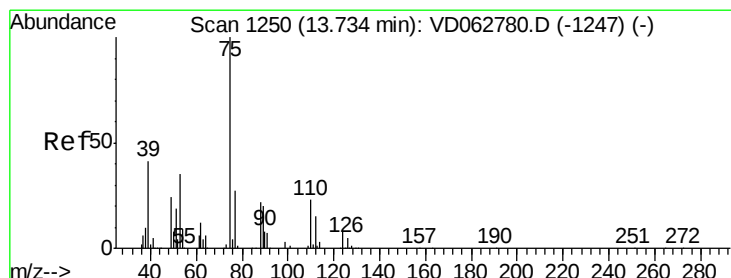
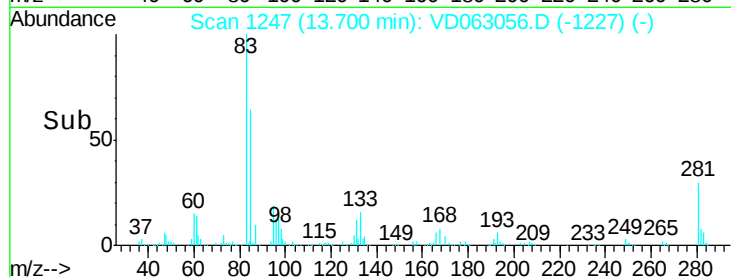
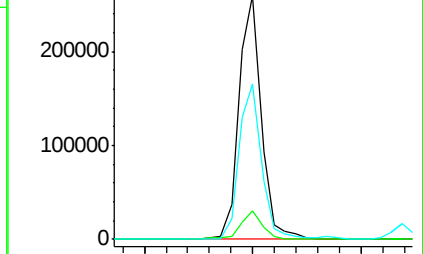
MMDadoda
7/13/2019 1:29:05 AM



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: 56.394 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063056.D

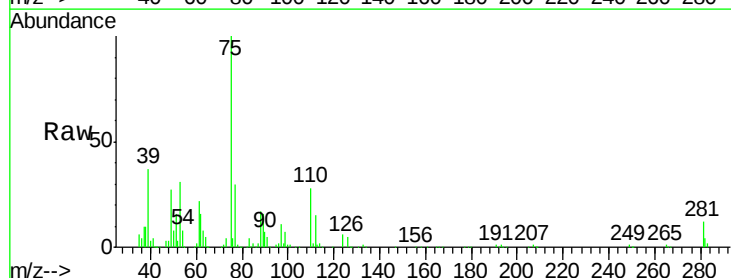
Acq: 10 Jul 2019 14:07

Tgt Ion: 75 Resp: 381503

Ion Ratio Lower Upper

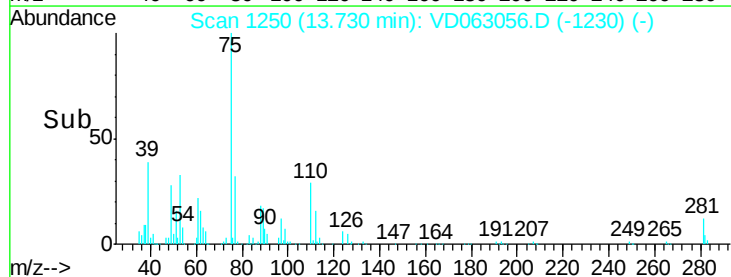
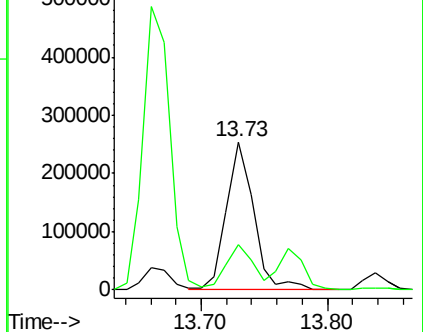
75 100

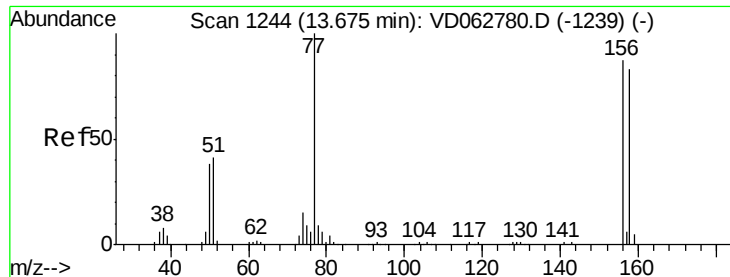
77 30.3 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 57.443 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 580523

Ion Ratio Lower Upper

156 100

77 100.7 57.7 173.1

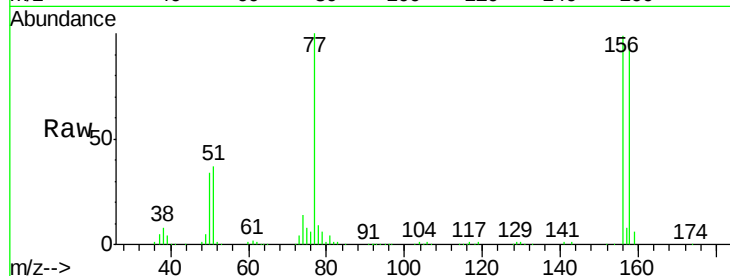
158 97.1 47.7 143.1

Manual Integrations

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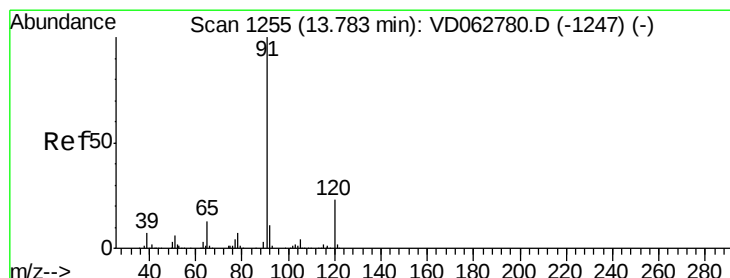
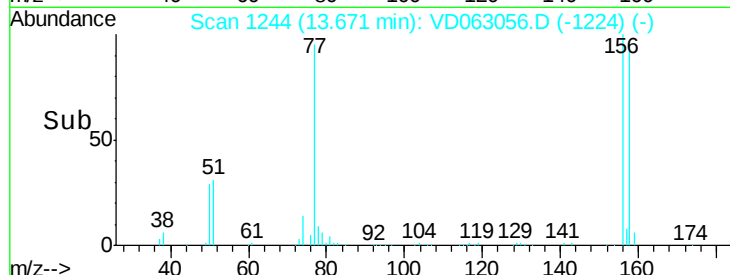
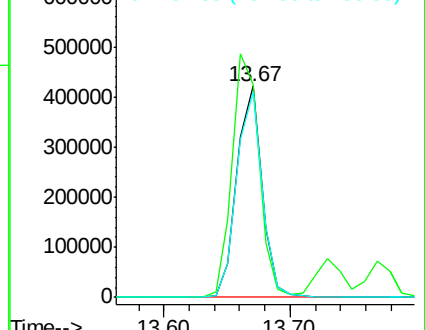
7/13/2019 1:29:05 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 56.215 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063056.D

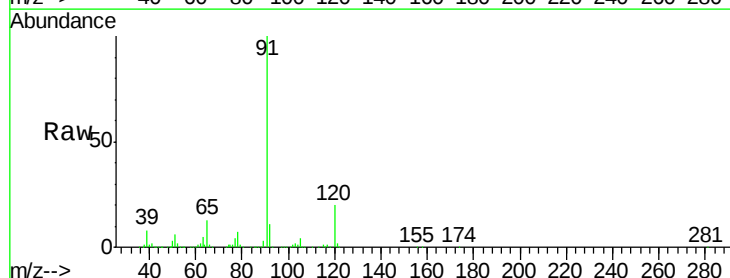
Acq: 10 Jul 2019 14:07

Tgt Ion: 91 Resp: 2458379

Ion Ratio Lower Upper

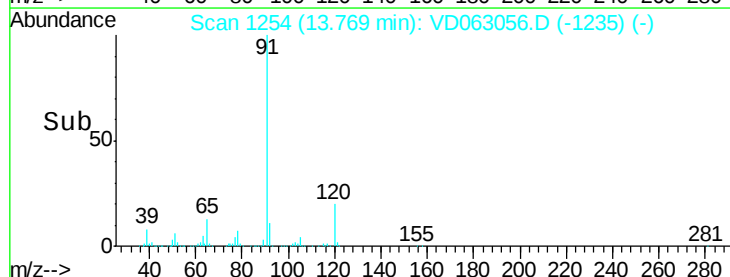
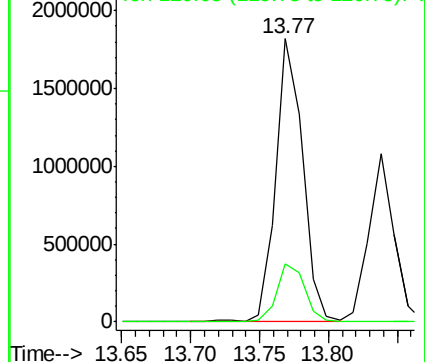
91 100

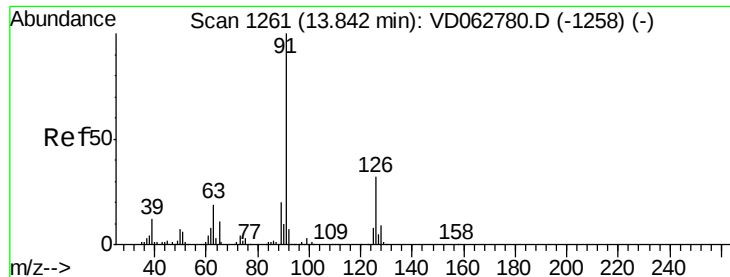
120 20.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 55.287 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1381717

Ion Ratio Lower Upper

91 100

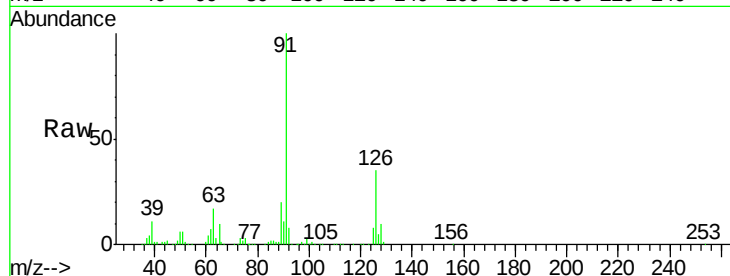
126 35.1 15.7 47.1

Manual Integrations

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7/13/2019 1:29:05 AM



Abundance Ion 91.00 (90.70 to 91.70): VD062780.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD062780.D (-1258) (-)

2000000

1500000

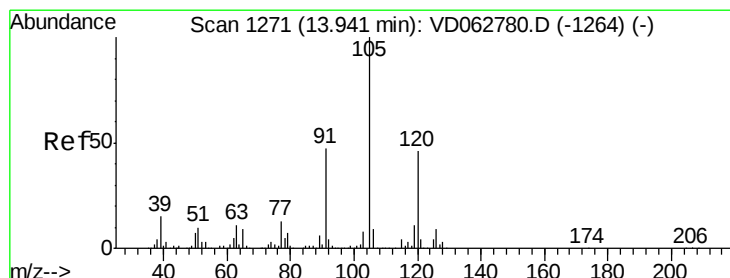
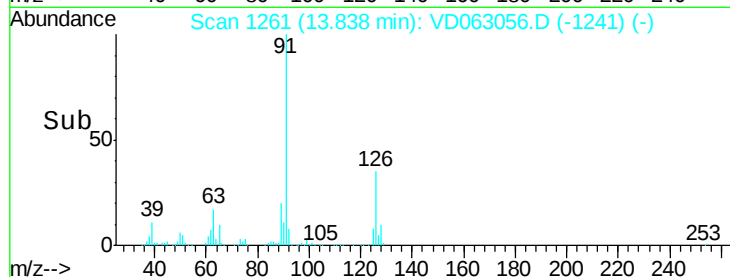
1000000

500000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 58.049 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063056.D

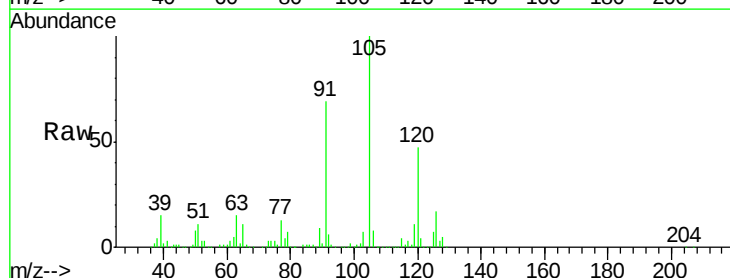
Acq: 10 Jul 2019 14:07

Tgt Ion:105 Resp: 1832027

Ion Ratio Lower Upper

105 100

120 46.8 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): VD062780.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD062780.D (-1264) (-)

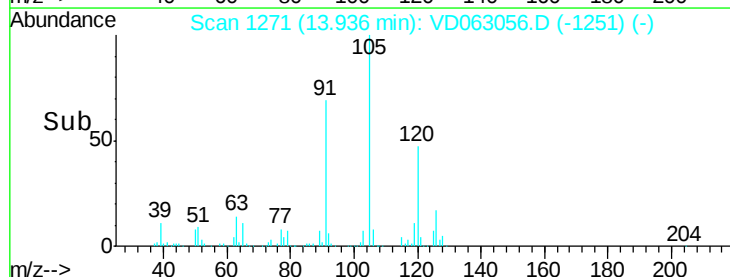
1000000

500000

0

13.90 14.00

Time-->





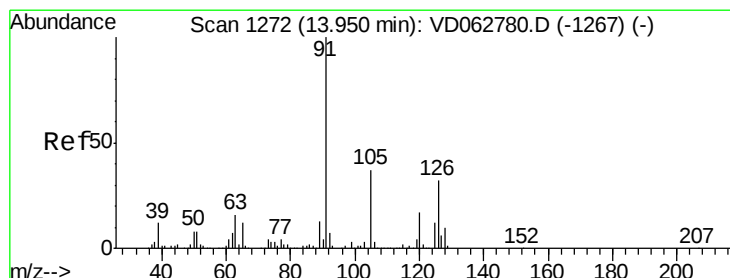
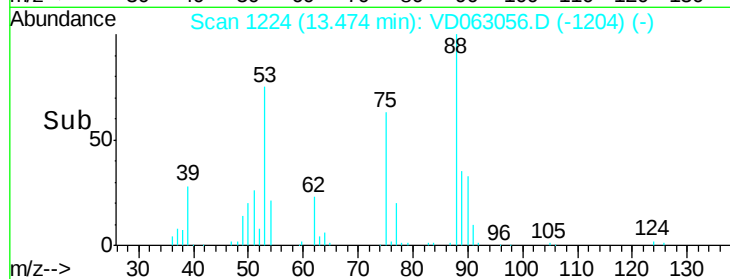
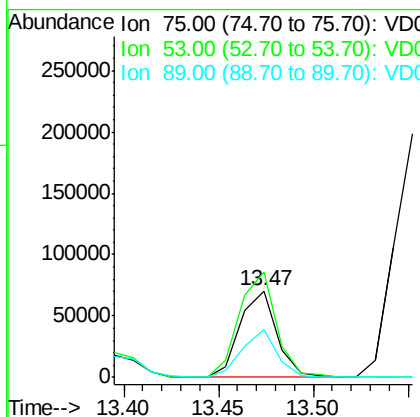
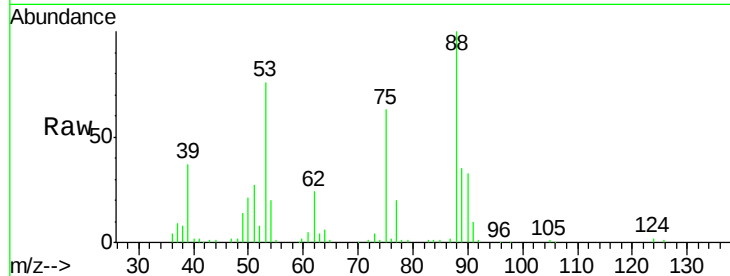
#81
trans-1,4-Dichloro-2-butene
Concen: 53.687 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.1	97.8	146.8
89	54.8	39.4	59.2

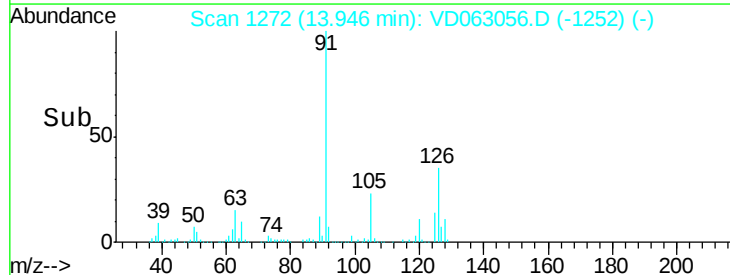
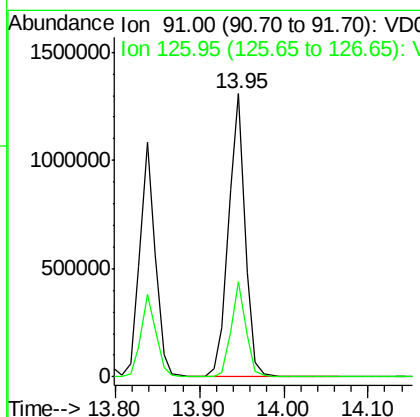
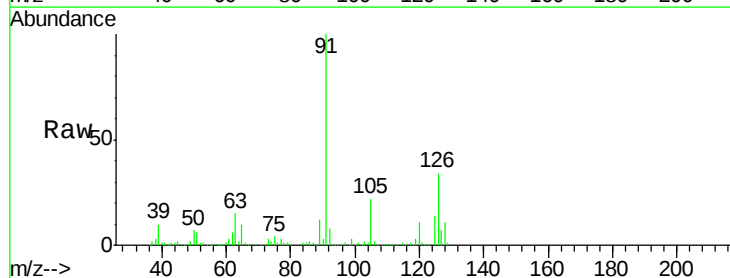
Manual Integrations
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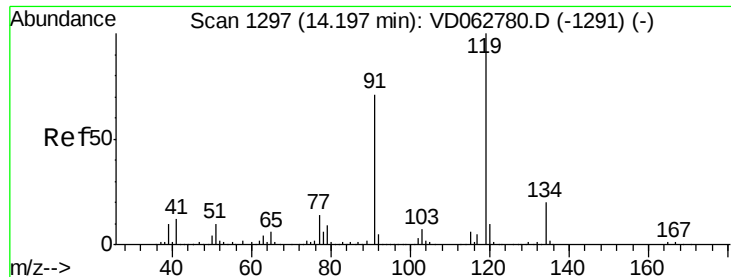
MMDadoda
7/13/2019 1:29:05 AM



#82
4-Chlorotoluene
Concen: 58.896 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.0	47.9





#83

tert-Butylbenzene

Concen: 56.330 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1981603

Ion Ratio Lower Upper

119 100

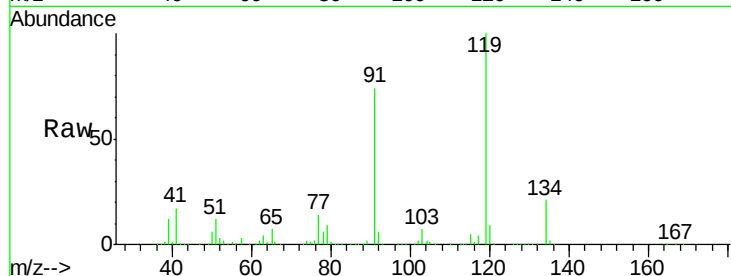
91 74.2 35.5 106.5

134 20.7 10.2 30.6

Manual Integrations
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MMDadoda

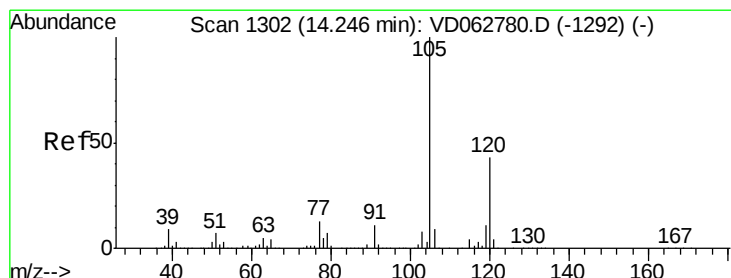
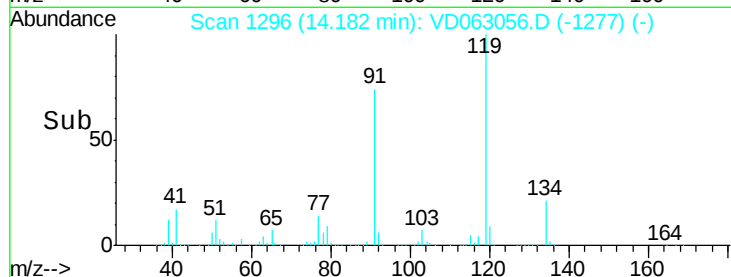
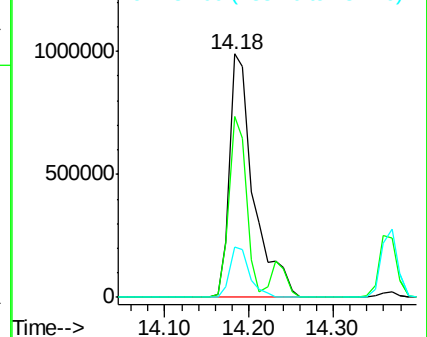
7/13/2019 1:29:05 AM



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: 56.201 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD063056.D

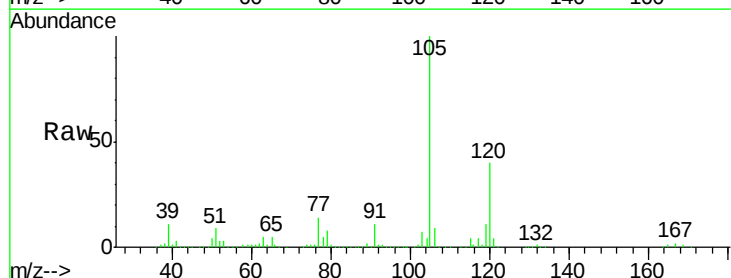
Acq: 10 Jul 2019 14:07

Tgt Ion:105 Resp: 1817963

Ion Ratio Lower Upper

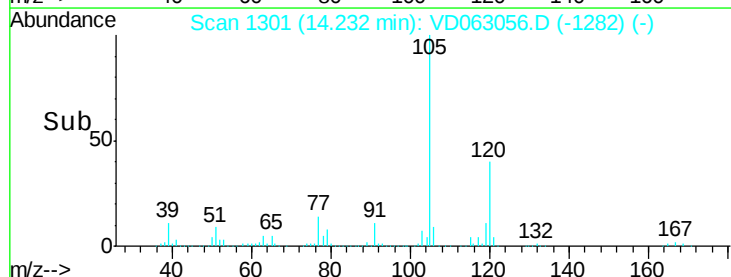
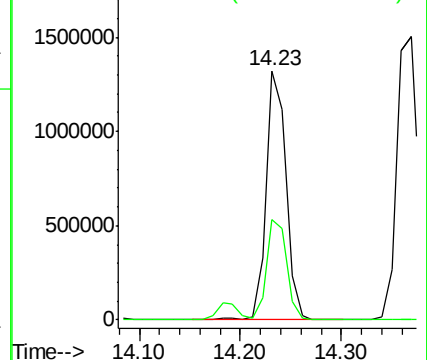
105 100

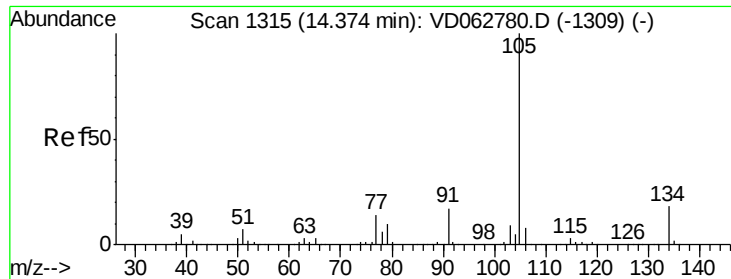
120 40.4 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





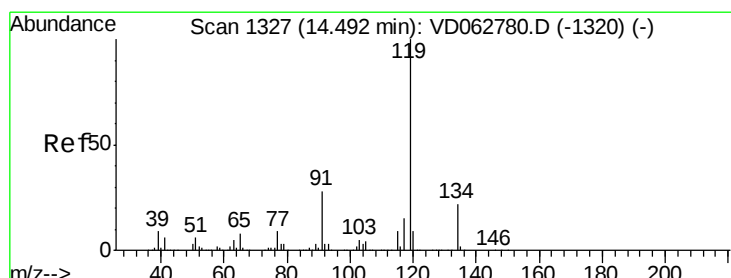
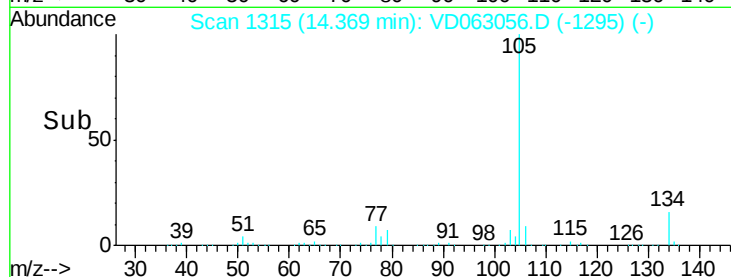
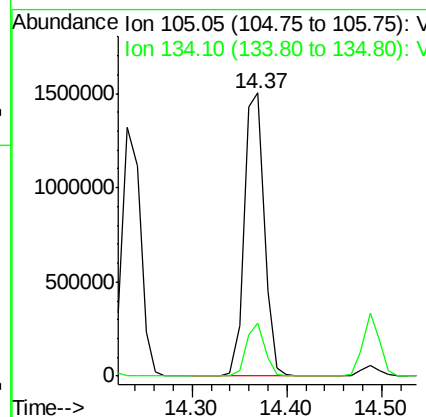
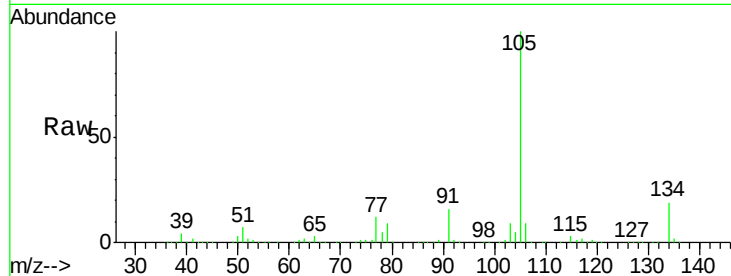
#85
 sec-Butylbenzene
 Concen: 57.548 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 2200317
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.1 27.3

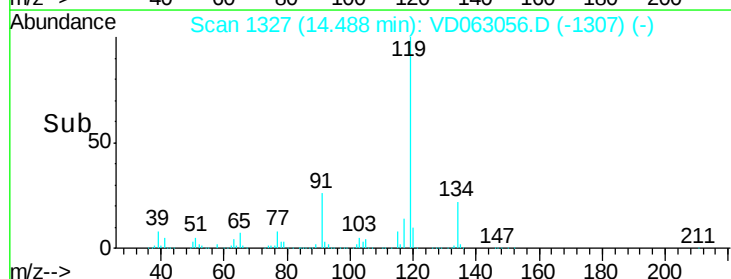
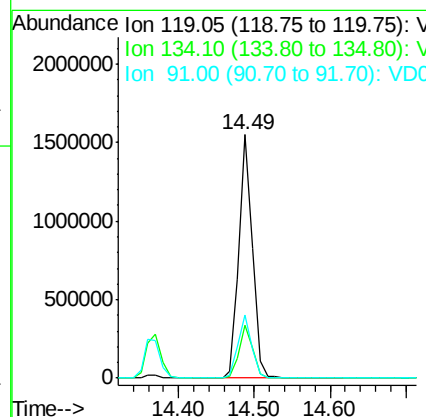
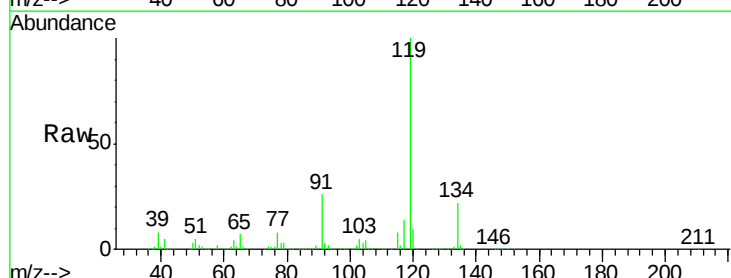
Manual Integrations
 APPROVED

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 7/13/2019 1:29:05 AM



#86
 p-Isopropyltoluene
 Concen: 54.037 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Tgt Ion:119 Resp: 1890125
 Ion Ratio Lower Upper
 119 100
 134 21.6 11.1 33.1
 91 25.7 14.0 41.9





#87

1,3-Dichlorobenzene

Concen: 55.640 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1007966

Ion Ratio Lower Upper

146 100

111 35.5 19.0 57.0

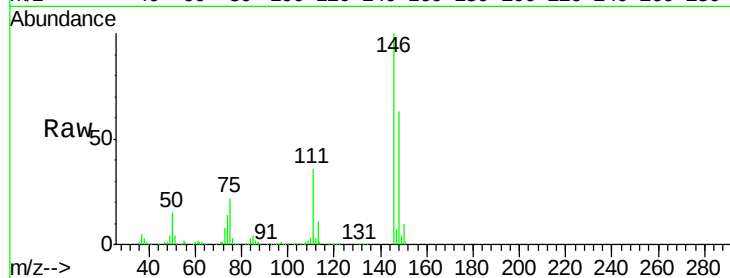
148 63.4 30.8 92.3

Manual Integrations

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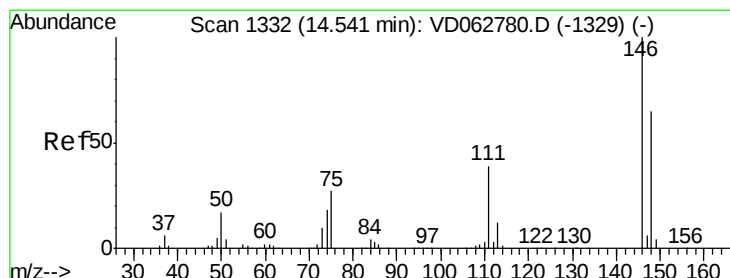
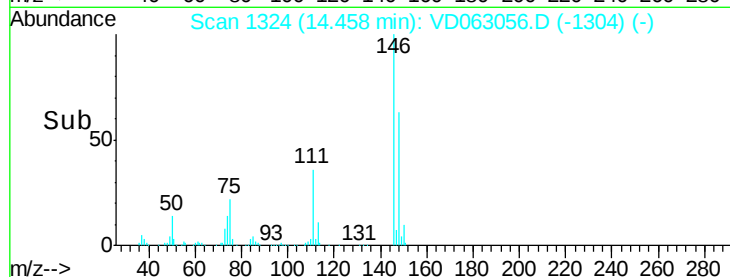
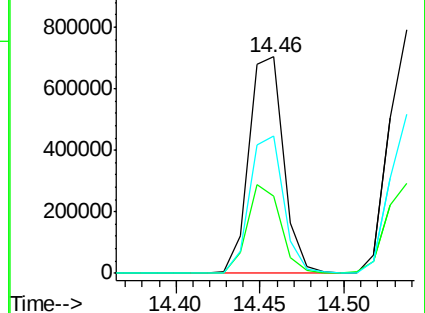
7/13/2019 1:29:05 AM



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: 54.685 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

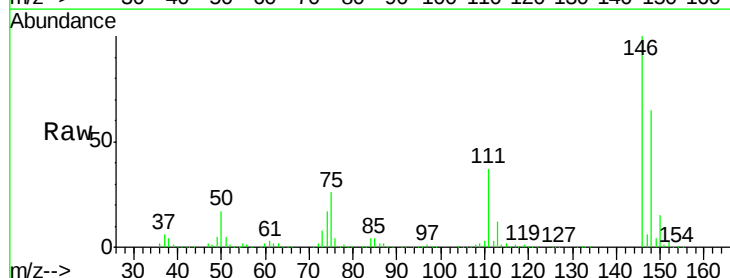
Tgt Ion:146 Resp: 995024

Ion Ratio Lower Upper

146 100

111 36.8 19.7 59.1

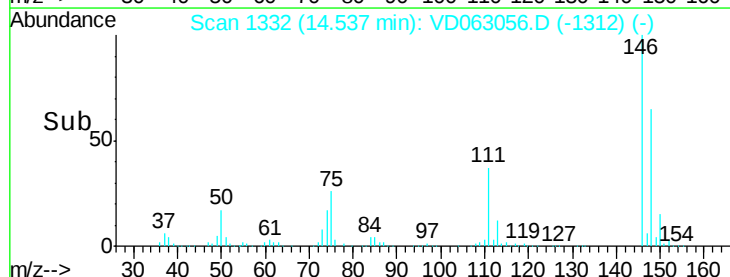
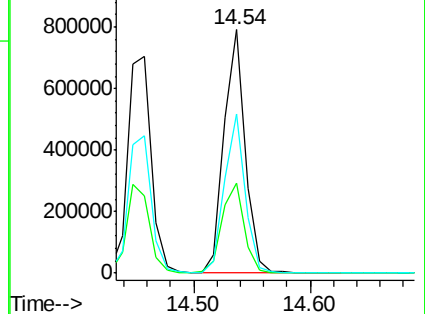
148 65.2 32.8 98.3

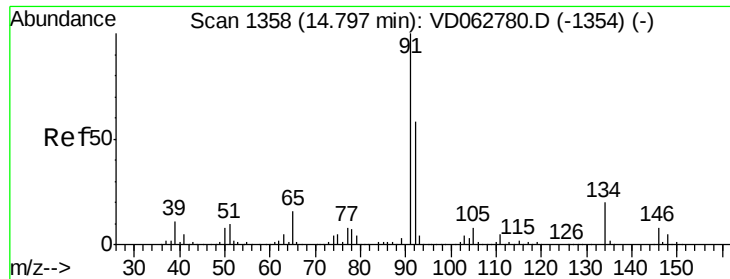


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





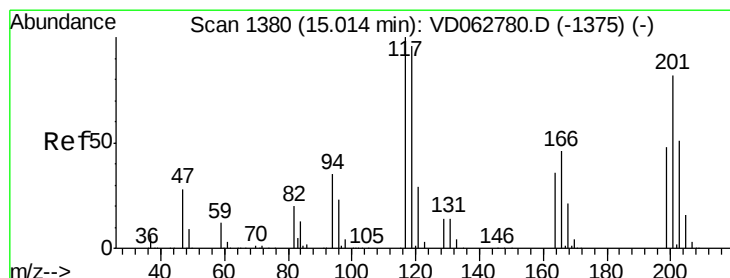
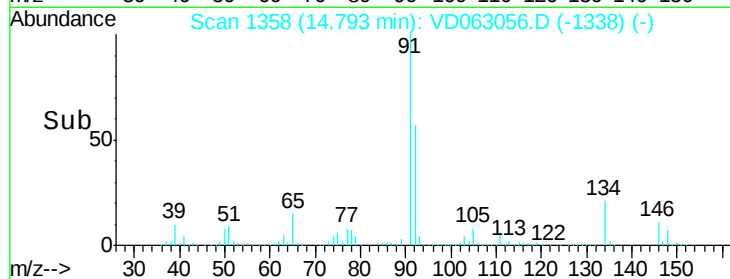
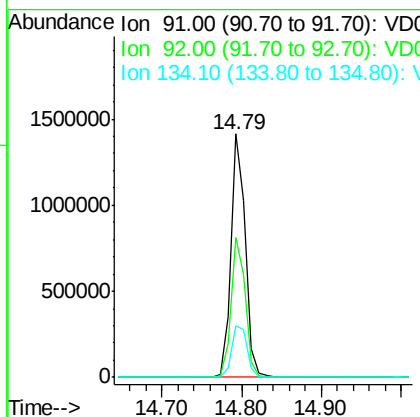
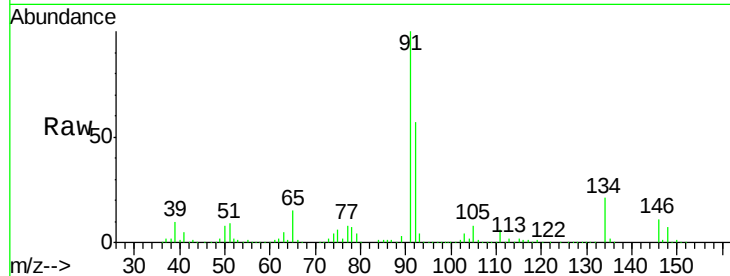
#89
n-Butylbenzene
Concen: 54.403 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1781070
Ion Ratio Lower Upper
91 100
92 57.4 28.9 86.7
134 21.3 10.1 30.3

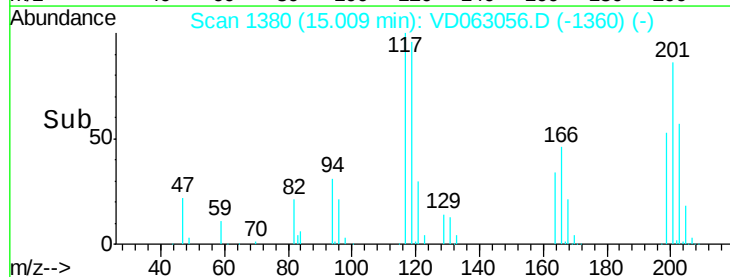
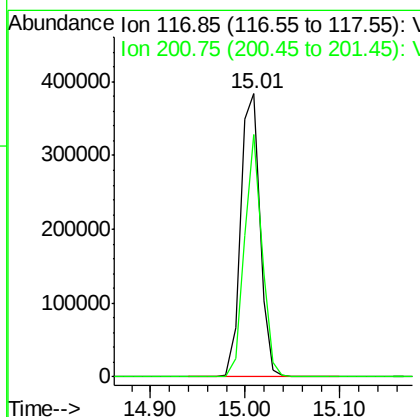
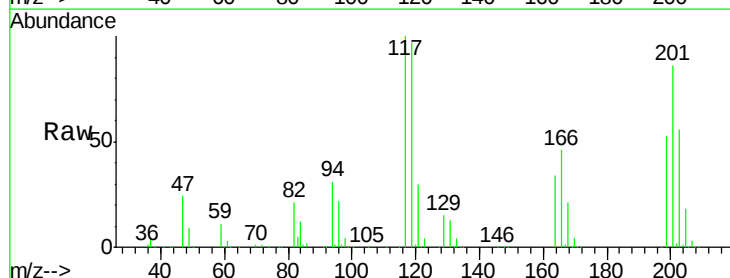
Manual Integrations
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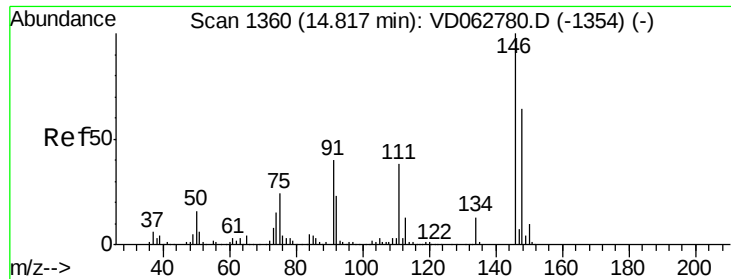
MMDadoda
7/13/2019 1:29:05 AM



#90
Hexachloroethane
Concen: 57.994 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion: 117 Resp: 545412
Ion Ratio Lower Upper
117 100
201 85.9 40.8 122.2





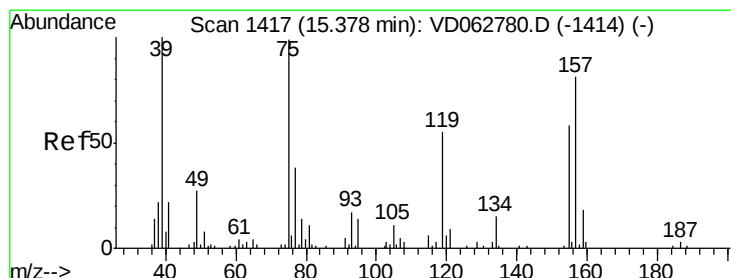
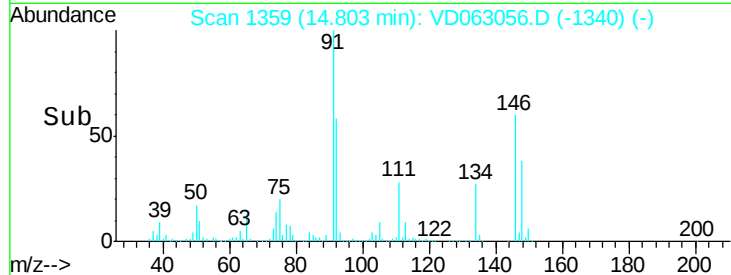
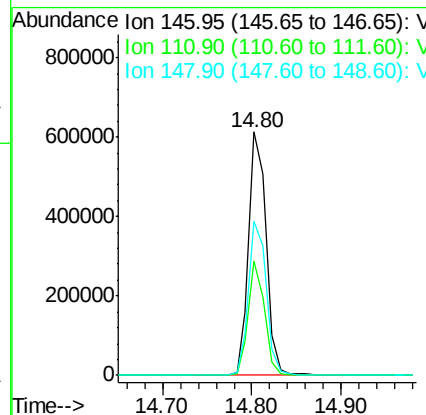
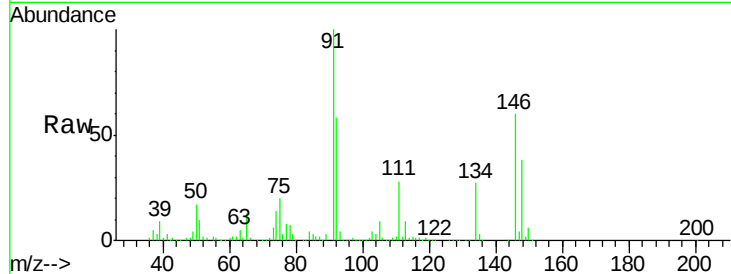
#91
 1,2-Dichlorobenzene
 Concen: 54.262 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.8	19.1	57.1
148	63.2	32.3	96.8

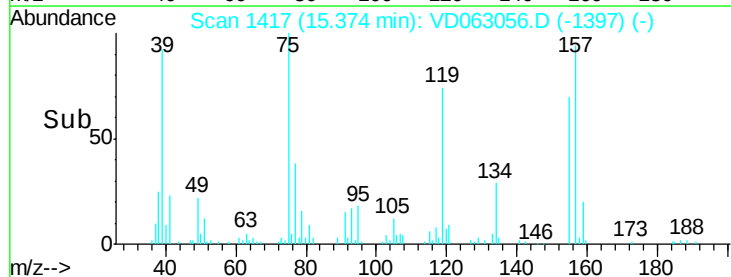
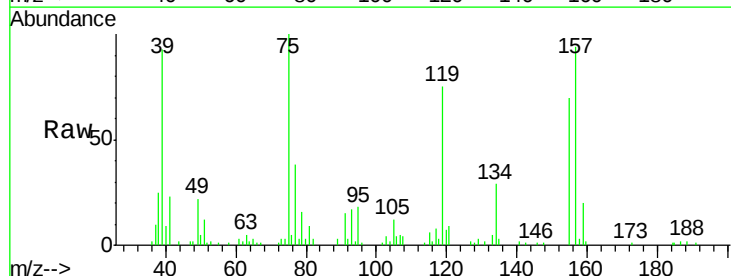
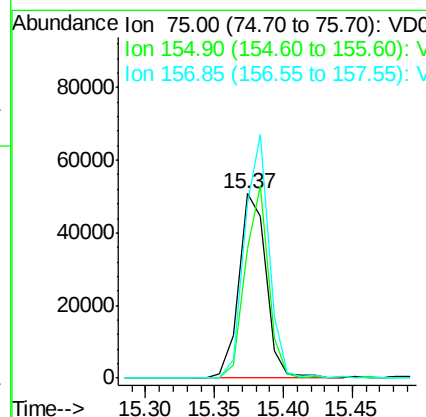
Manual Integrations
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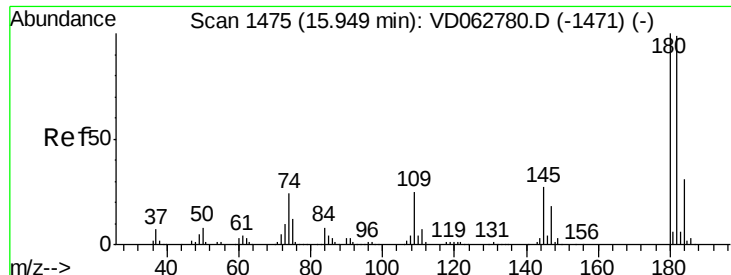
MMDadoda
 7/13/2019 1:29:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.370 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.0	29.3	87.8
157	94.3	41.3	123.7





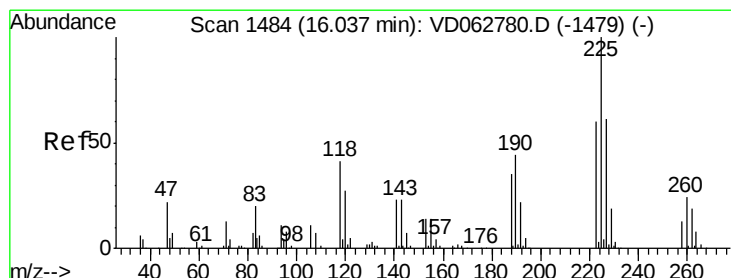
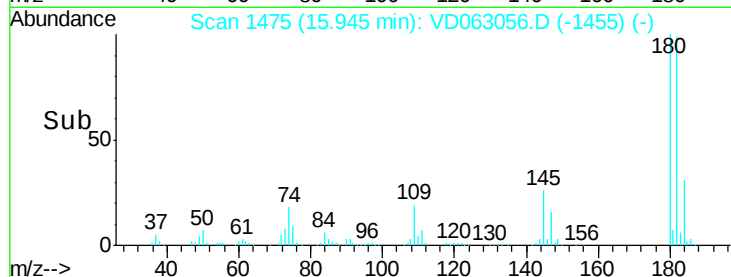
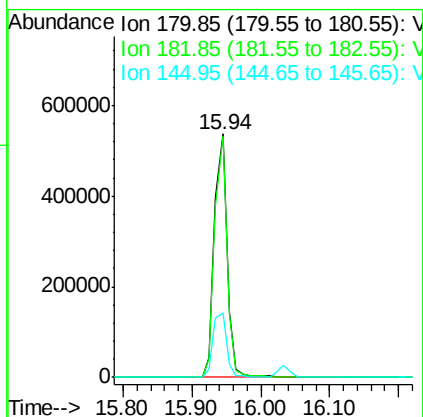
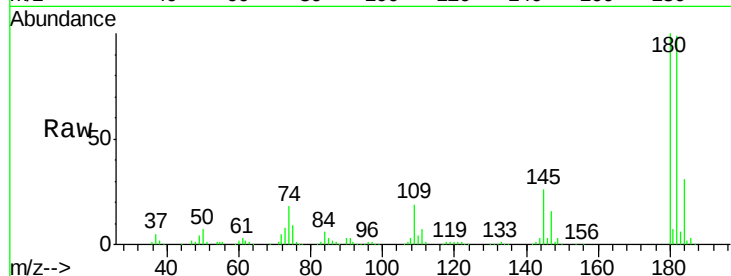
#93
 1,2,4-Trichlorobenzene
 Concen: 57.030 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	690506		
182	99.2	49.5	148.5	
145	26.3	13.7	41.0	

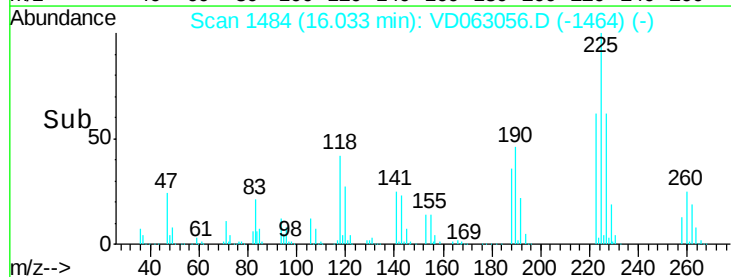
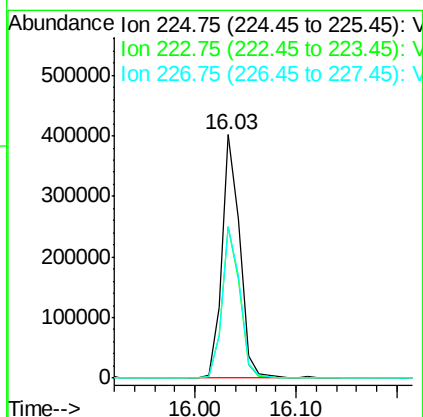
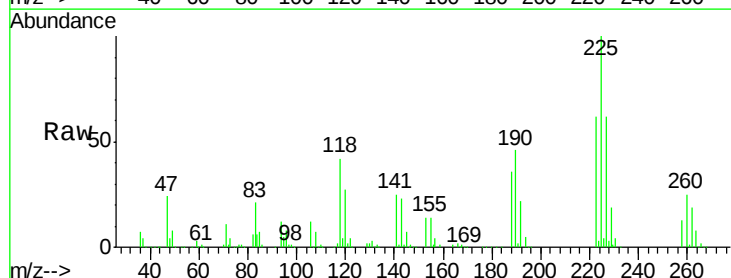
Manual Integrations
 APPROVED

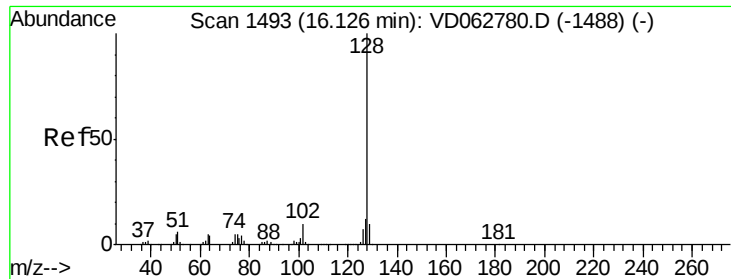
MMDadoda
 7/13/2019 1:29:05 AM



#94
 Hexachlorobutadiene
 Concen: 54.022 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	499692		
223	62.4	29.8	89.5	
227	62.4	30.6	91.6	





#95

Naphthalene

Concen: 59.559 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1010732

Ion Ratio Lower Upper

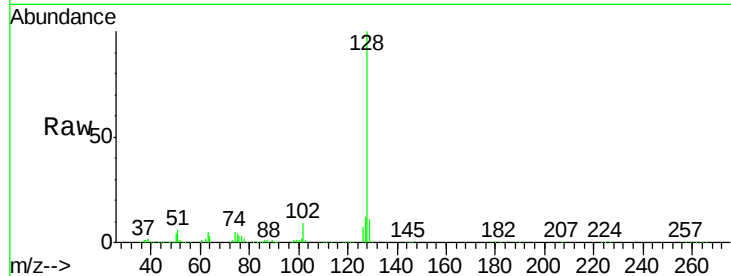
128 100

127 11.8 9.7 14.5

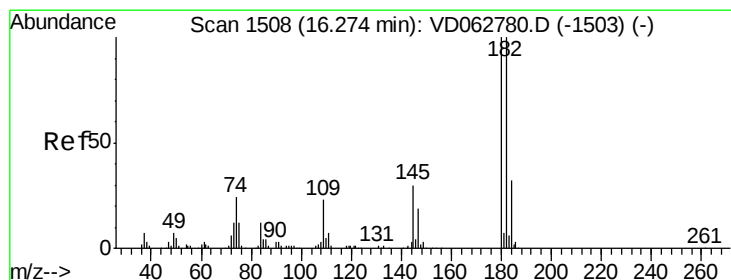
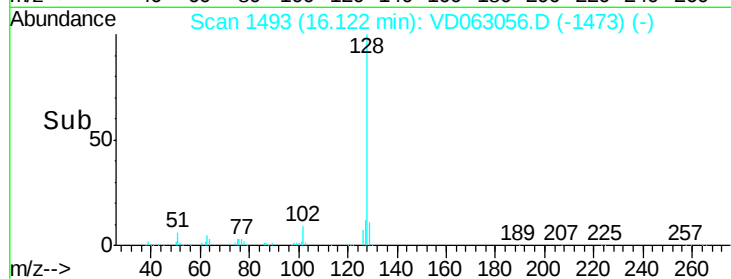
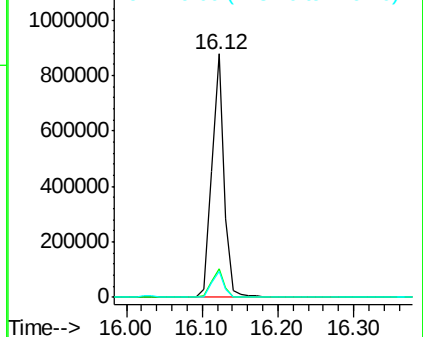
129 10.7 8.3 12.5

Manual Integrations
APPROVED

MMDadoda
7/13/2019 1:29:05 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.938 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

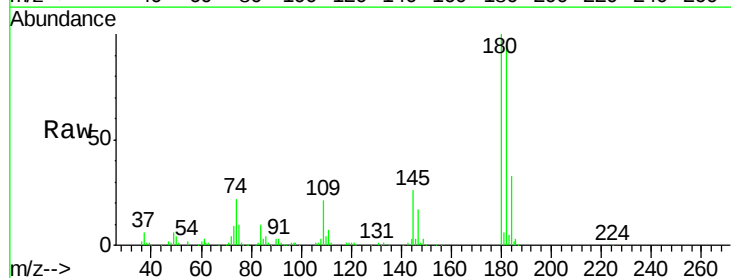
Tgt Ion:180 Resp: 501776

Ion Ratio Lower Upper

180 100

182 95.1 49.9 149.6

145 26.0 15.2 45.5



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

