

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
 Data File : VD061795.D
 Acq On : 15 Apr 2019 11:36
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 3:12:46 PM

Quant Time: Apr 16 09:12:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	624282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.27	114	1019850	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.40	117	794384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.54	152	377224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.50	65	147192	28.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	56.26%	
35) Dibromofluoromethane	6.98	113	231659	30.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.14%	
50) Toluene-d8	10.45	98	488830	26.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	53.56%	
62) 4-Bromofluorobenzene	13.58	95	202468	27.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	275278	45.178	ug/l	98
3) Chloromethane	1.77	50	209293	43.100	ug/l	98
4) Vinyl Chloride	1.87	62	203691	42.265	ug/l	97
5) Bromomethane	2.17	94	49684	45.753	ug/l	96
6) Chloroethane	2.29	64	80303	48.844	ug/l	95
7) Trichlorofluoromethane	2.56	101	351866	45.018	ug/l	100
8) Diethyl Ether	2.90	74	79621	38.870	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.19	101	305743	43.870	ug/l	98
10) Methyl Iodide	3.35	142	414712	38.169	ug/l	95
11) Tert butyl alcohol	4.10	59	69040	223.758	ug/l	97
12) 1,1-Dichloroethene	3.17	96	258705	44.155	ug/l	95
13) Acrolein	3.07	56	101853	340.987	ug/l	94
14) Allyl chloride	3.66	41	345658	43.282	ug/l	96
15) Acrylonitrile	4.24	53	212203	219.070	ug/l	94
16) Acetone	3.26	43	306298	237.531	ug/l	99
17) Carbon Disulfide	3.41	76	788501	41.652	ug/l	100
18) Methyl Acetate	3.68	43	101249	39.174	ug/l	98
19) Methyl tert-butyl Ether	4.29	73	486757	44.517	ug/l	100
20) Methylene Chloride	3.86	84	282663	43.503	ug/l	96
21) trans-1,2-Dichloroethene	4.27	96	288081	44.740	ug/l	99
22) Diisopropyl ether	5.18	45	795843	46.619	ug/l	97
23) Vinyl Acetate	5.12	43	2116018	231.876	ug/l	99
24) 1,1-Dichloroethane	5.04	63	465798	45.004	ug/l	99
25) 2-Butanone	6.12	43	320911	218.594	ug/l	98
26) 2,2-Dichloropropane	6.08	77	422279	47.202	ug/l	100
27) cis-1,2-Dichloroethene	6.09	96	298009	42.694	ug/l	97
28) Bromochloromethane	6.50	49	171382	43.593	ug/l	91
29) Tetrahydrofuran	6.52	42	147949	206.888	ug/l	99
30) Chloroform	6.72	83	515693	44.670	ug/l	99
31) Cyclohexane	7.01	56	366393	46.242	ug/l	98
32) 1,1,1-Trichloroethane	6.93	97	465125	45.451	ug/l	98
36) 1,1-Dichloropropene	7.21	75	383944	46.071	ug/l	99
37) Ethyl Acetate	6.24	43	145356	40.753	ug/l #	94
38) Carbon Tetrachloride	7.17	117	470929m	44.751	ug/l	

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.92	83	360399	41.645	ug/l	95
40) Benzene	7.51	78	860669	43.017	ug/l	99
41) Methacrylonitrile	6.50	41	178558	42.354	ug/l	99
42) 1,2-Dichloroethane	7.63	62	310568	44.570	ug/l	100
43) Isopropyl Acetate	9.28	43	205931	41.028	ug/l	97
44) Trichloroethene	8.59	130	349993	45.441	ug/l	96
45) 1,2-Dichloropropane	8.99	63	199549	38.290	ug/l	94
46) Dibromomethane	9.11	93	160299	43.168	ug/l	91
47) Bromodichloromethane	9.42	83	383159	44.726	ug/l	99
48) Methyl methacrylate	9.16	41	121552	41.198	ug/l	95
49) 1,4-Dioxane	9.12	88	28155	873.061	ug/l	97
51) 4-Methyl-2-Pentanone	10.35	43	678553	221.062	ug/l	98
52) Toluene	10.55	92	567610	44.270	ug/l	98
53) t-1,3-Dichloropropene	10.96	75	326288	42.269	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	374613	41.342	ug/l	95
55) 1,1,2-Trichloroethane	11.23	97	182000	42.126	ug/l	95
56) Ethyl methacrylate	11.08	69	195861	41.305	ug/l	97
57) 1,3-Dichloropropane	11.45	76	281206	43.295	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.90	63	440292	195.217	ug/l	98
59) 2-Hexanone	11.57	43	506062	221.976	ug/l	97
60) Dibromochloromethane	11.72	129	314106	44.433	ug/l	98
61) 1,2-Dibromoethane	11.84	107	219070	41.238	ug/l	97
64) Tetrachloroethene	11.30	164	269162	45.180	ug/l	99
65) Chlorobenzene	12.43	112	676012	45.695	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.54	131	292118	47.118	ug/l	98
67) Ethyl Benzene	12.55	91	1063976	44.909	ug/l	99
68) m/p-Xylenes	12.70	106	867727	97.504	ug/l	97
69) o-Xylene	13.07	106	347905	41.592	ug/l	95
70) Styrene	13.10	104	619267	43.021	ug/l	100
71) Bromoform	13.26	173	168475	45.781	ug/l	96
73) Isopropylbenzene	13.43	105	1078825	44.098	ug/l	99
74) N-amyl acetate	13.29	43	278624	42.353	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.72	83	186687	38.605	ug/l	99
76) 1,2,3-Trichloropropane	13.76	75	214160	43.230	ug/l	100
77) Bromobenzene	13.69	156	297722	42.842	ug/l	84
78) n-propylbenzene	13.80	91	1365806	48.322	ug/l	99
79) 2-Chlorotoluene	13.87	91	725185	43.920	ug/l	95
80) 1,3,5-Trimethylbenzene	13.96	105	859749	44.291	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.50	75	62432	39.620	ug/l	92
82) 4-Chlorotoluene	13.97	91	808024	42.754	ug/l	90
83) tert-Butylbenzene	14.21	119	1065826	46.762	ug/l	98
84) 1,2,4-Trimethylbenzene	14.26	105	883955	45.302	ug/l	99
85) sec-Butylbenzene	14.39	105	1059723	44.975	ug/l	99
86) p-Isopropyltoluene	14.51	119	1002184	45.459	ug/l	95
87) 1,3-Dichlorobenzene	14.48	146	528733	43.582	ug/l	99
88) 1,4-Dichlorobenzene	14.56	146	536992	44.777	ug/l	98
89) n-Butylbenzene	14.82	91	829525	42.508	ug/l	98
90) Hexachloroethane	15.03	117	276407	46.000	ug/l	95
91) 1,2-Dichlorobenzene	14.83	146	425141	41.835	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.41	75	26489	41.061	ug/l	90

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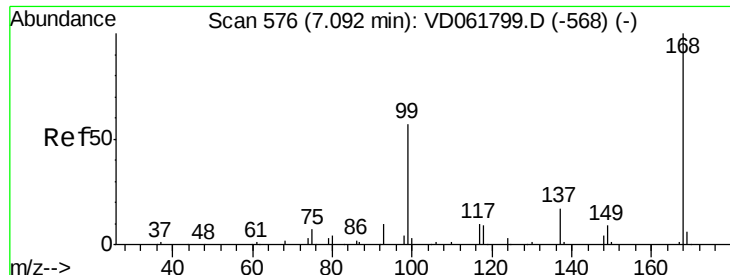
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.97	180	258102	46.243	ug/l	97
94) Hexachlorobutadiene	16.06	225	190621	47.127	ug/l	96
95) Naphthalene	16.14	128	432985	50.613	ug/l	98
96) 1,2,3-Trichlorobenzene	16.29	180	143596	45.146	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.10 min Scan# 576

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 624282

Ion Ratio Lower Upper

168 100

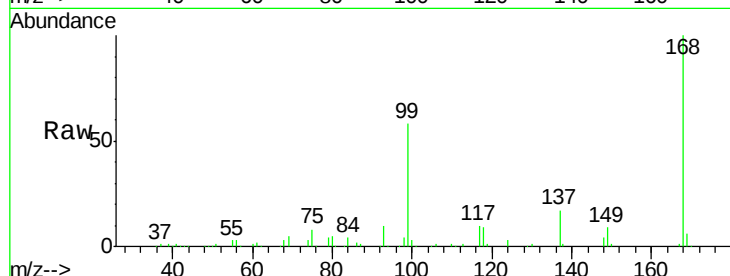
99 57.5 46.5 69.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.10

250000

200000

150000

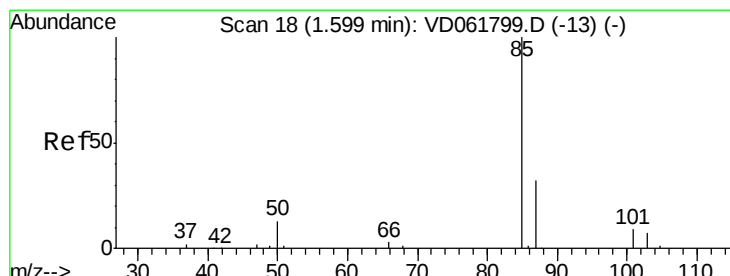
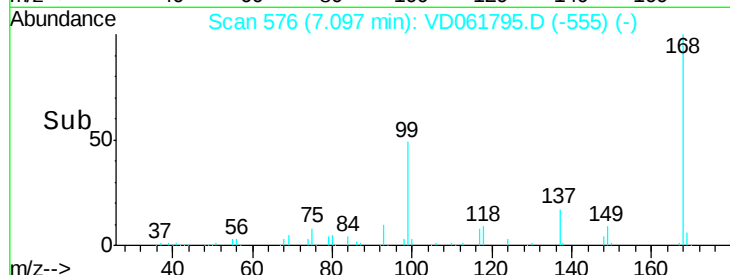
100000

50000

0

7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 45.178 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.00 min

Lab File: VD061795.D

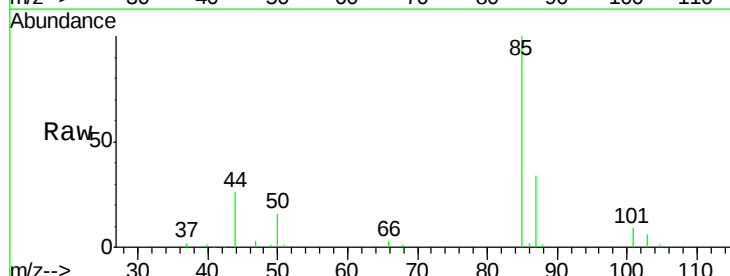
Acq: 15 Apr 2019 11:36

Tgt Ion: 85 Resp: 275278

Ion Ratio Lower Upper

85 100

87 33.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

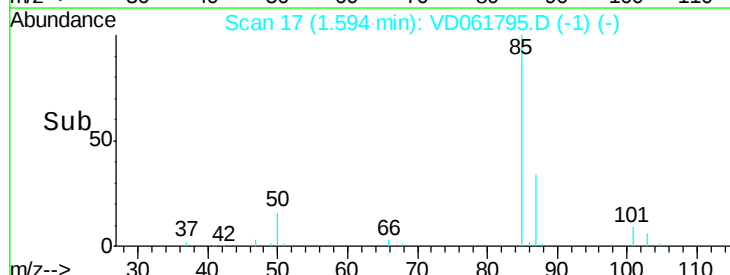
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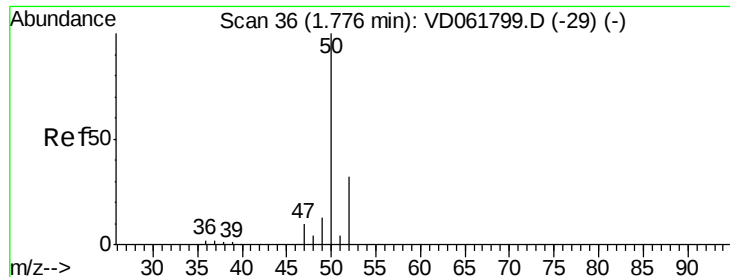
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 43.100 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.01 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 209293

Ion Ratio Lower Upper

50 100

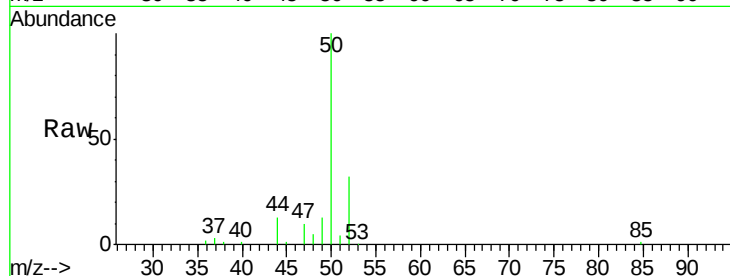
52 32.5 25.2 37.8

Manual Integrations

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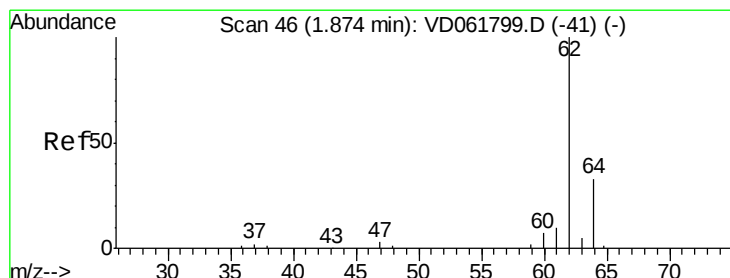
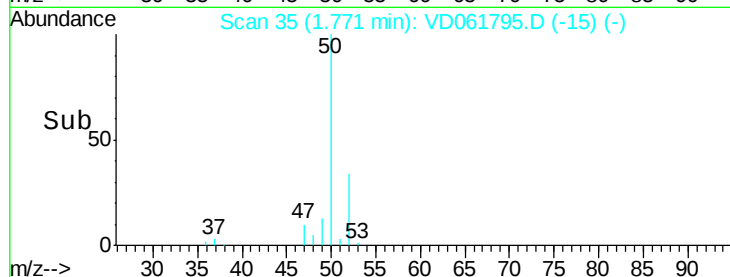
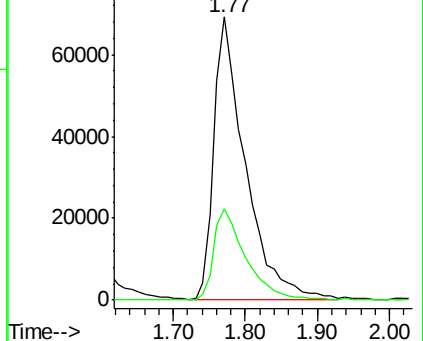
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 42.265 ug/l

RT: 1.87 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061795.D

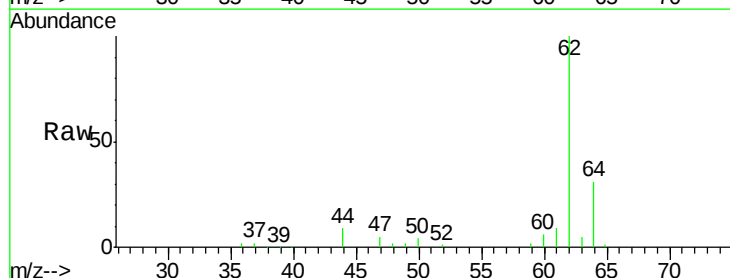
Acq: 15 Apr 2019 11:36

Tgt Ion: 62 Resp: 203691

Ion Ratio Lower Upper

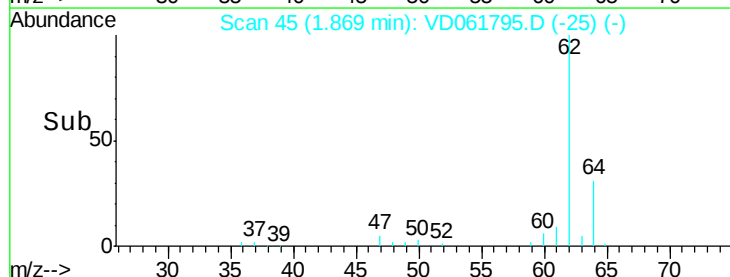
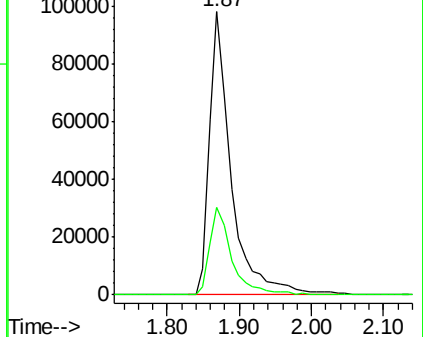
62 100

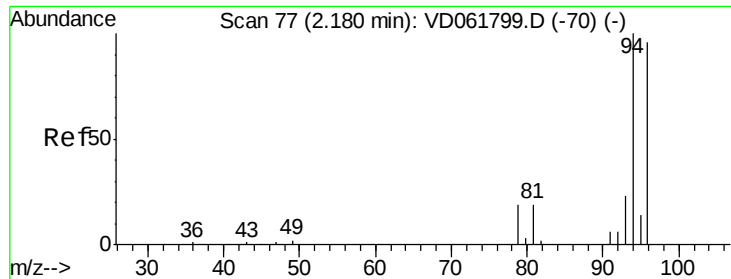
64 31.1 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





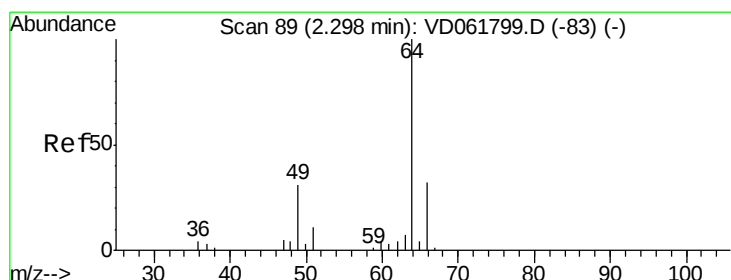
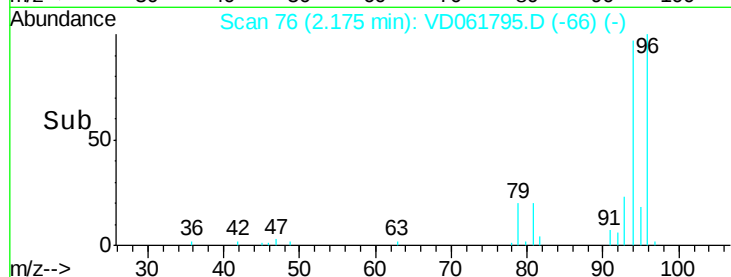
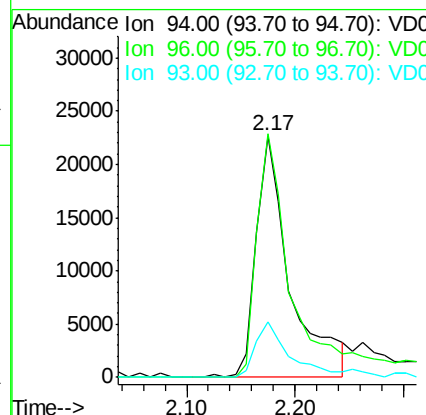
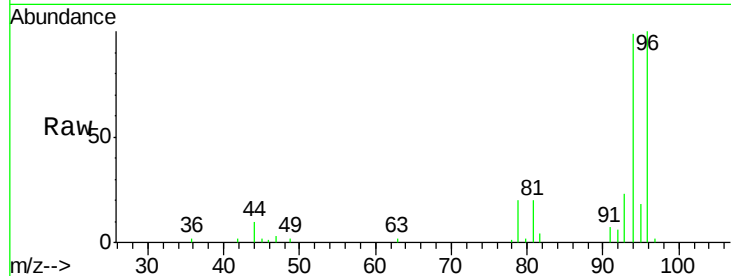
#5
Bromomethane
Concen: 45.753 ug/l
RT: 2.17 min Scan# 76
Delta R.T. -0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

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Tot Ion	Ratio	Lower	Upper
94	100		
96	100.9	76.6	115.0
93	22.9	18.5	27.7

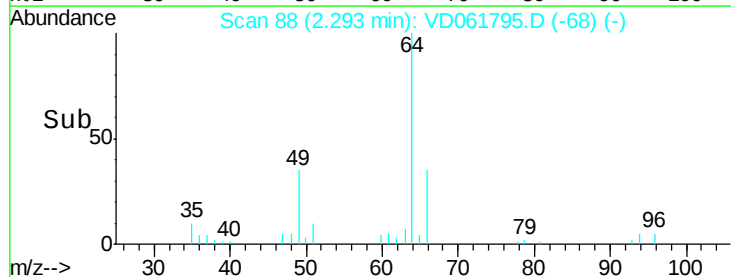
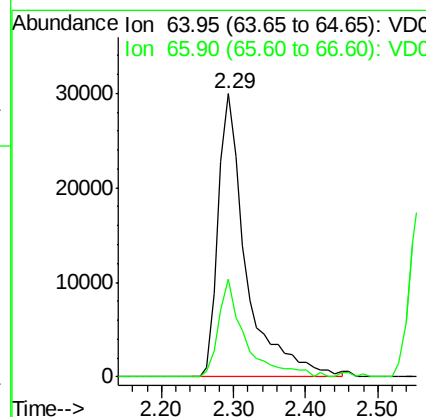
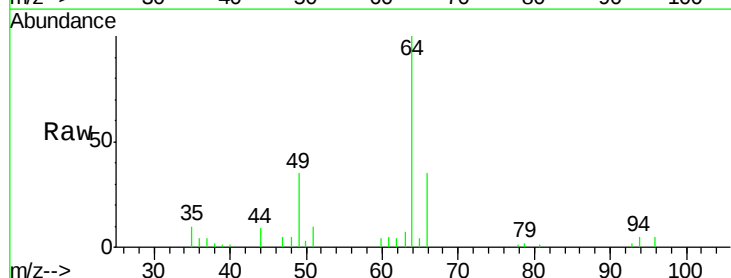
Manual Integrations
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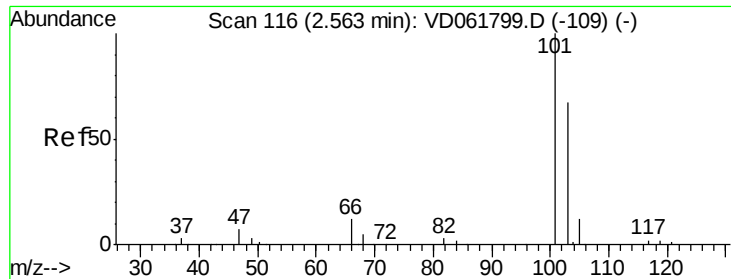
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4/16/2019 3:12:46 PM



#6
Chloroethane
Concen: 48.844 ug/l
RT: 2.29 min Scan# 88
Delta R.T. -0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion	Ratio	Lower	Upper
64	100		
66	34.8	25.6	38.4





#7

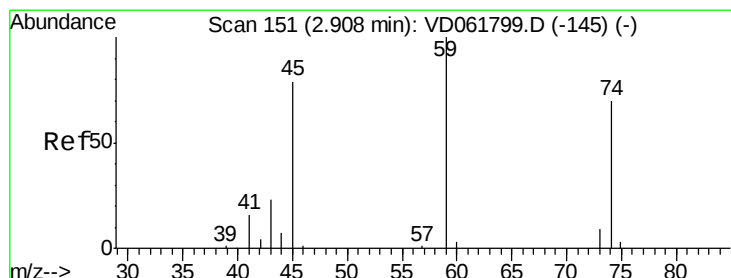
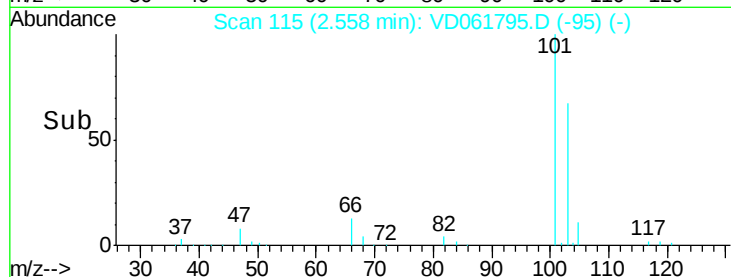
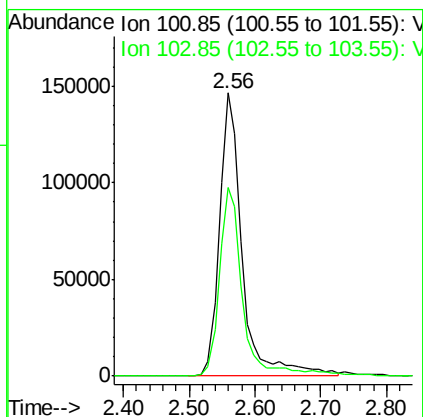
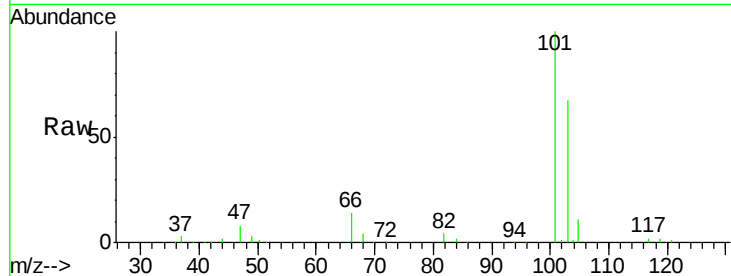
Trichlorofluoromethane
 Concen: 45.018 ug/l
 RT: 2.56 min Scan# 115
 Delta R.T. -0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	53.6	80.4

Manual Integrations
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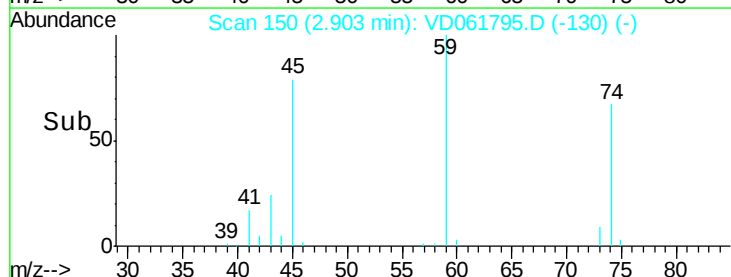
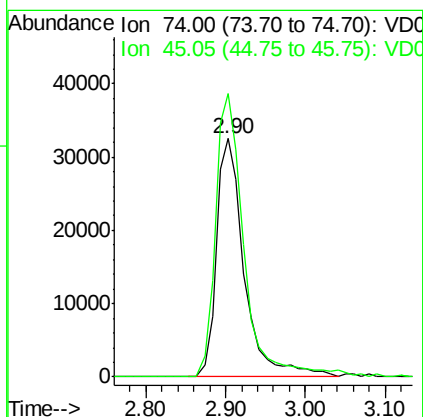
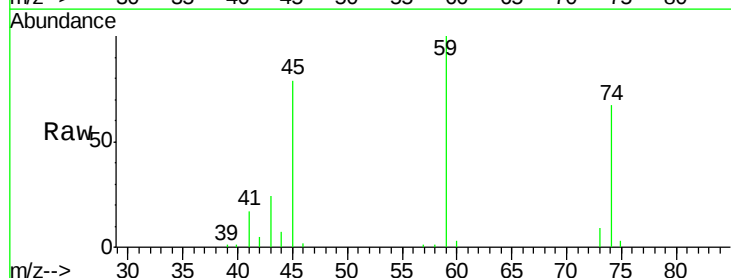
MMDadoda
 4/16/2019 3:12:46 PM

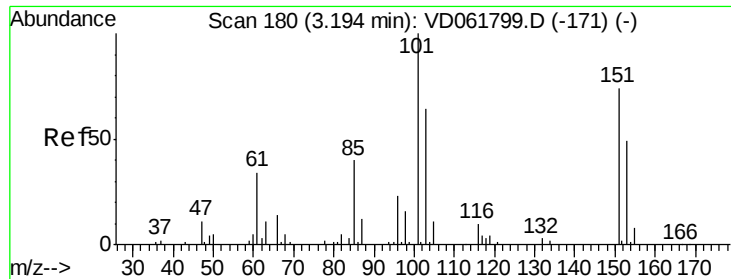


#8

Diethyl Ether
 Concen: 38.870 ug/l
 RT: 2.90 min Scan# 150
 Delta R.T. -0.01 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.7	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.870 ug/l

RT: 3.19 min Scan# 179

Delta R.T. -0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

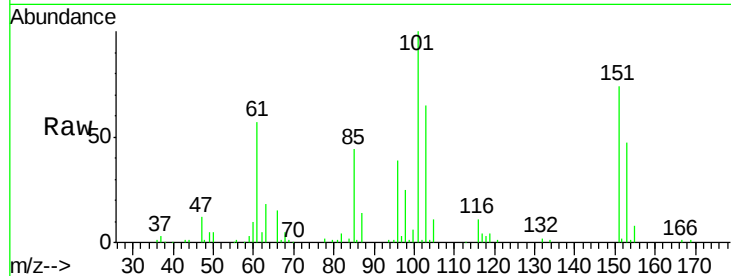
ClientSampleId :

VSTDCCC050

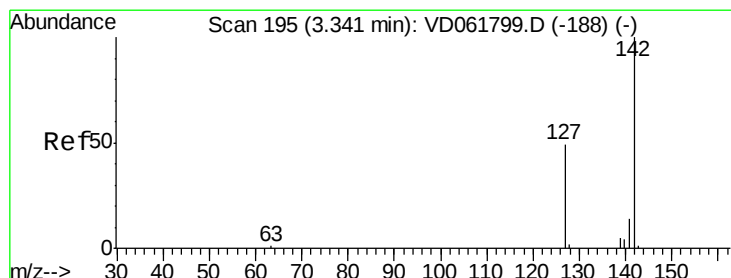
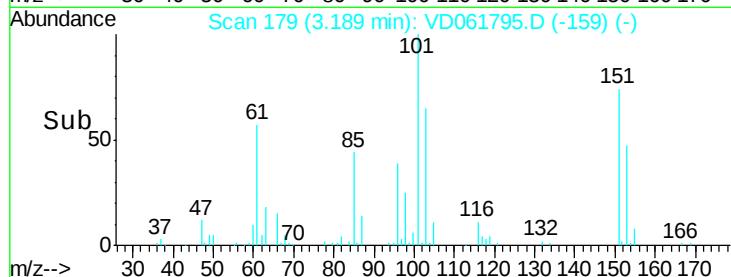
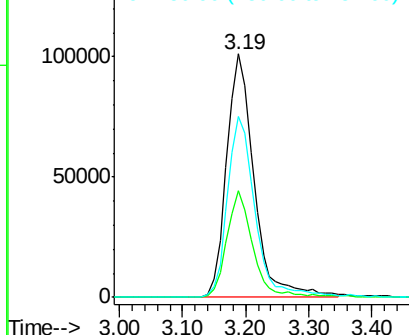
Tot Ion:	101	Resp:	305743
Ion Ratio	Lower	Upper	
101	100		
85	43.6	32.4	48.6
151	74.3	59.4	89.0

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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 38.169 ug/l

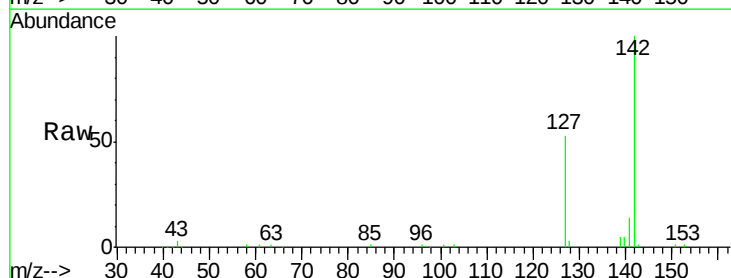
RT: 3.35 min Scan# 195

Delta R.T. 0.01 min

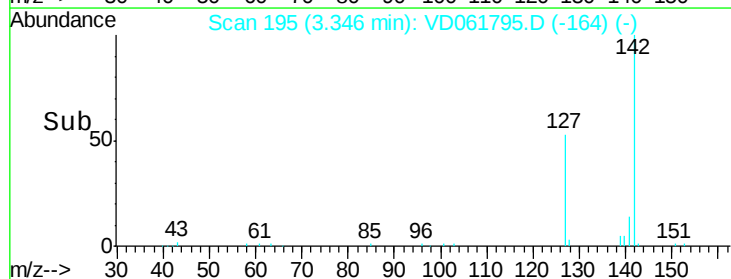
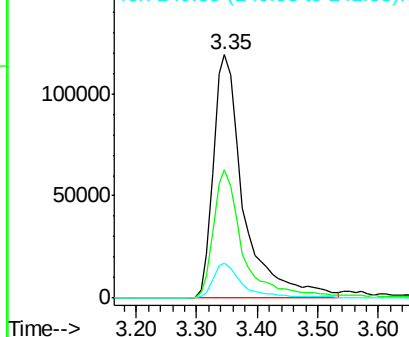
Lab File: VD061795.D

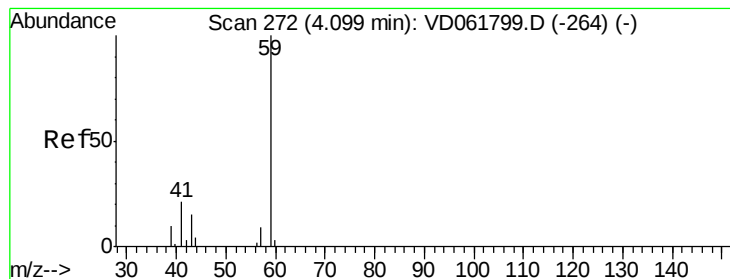
Acq: 15 Apr 2019 11:36

Tgt Ion:	142	Resp:	414712
Ion Ratio	Lower	Upper	
142	100		
127	52.9	38.8	58.2
141	14.3	11.4	17.0



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





#11

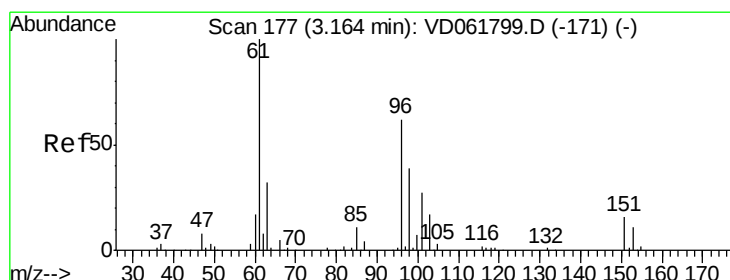
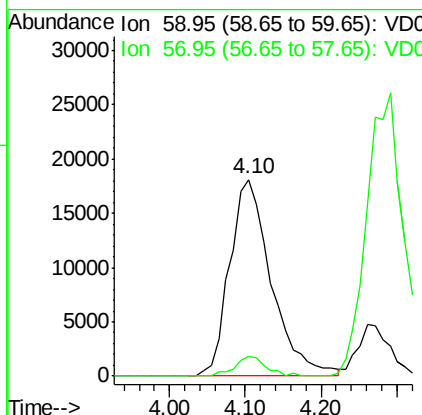
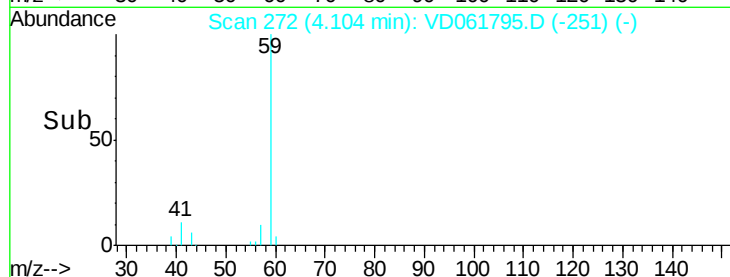
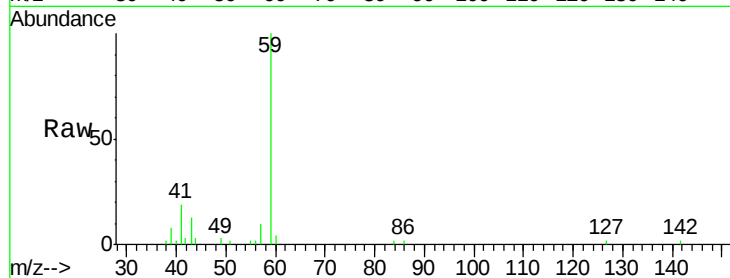
Tert butyl alcohol
Concen: 223.758 ug/l
RT: 4.10 min Scan# 272
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	6.9	10.3

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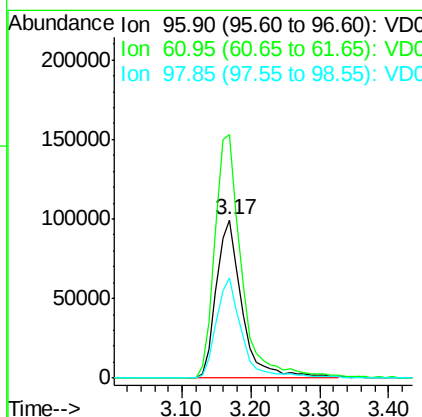
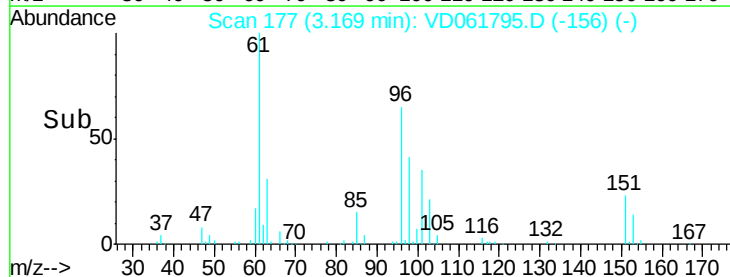
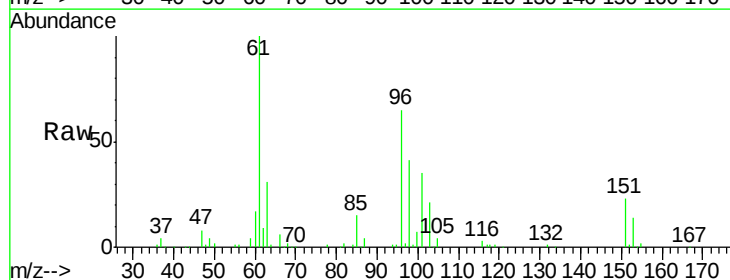
MMDadoda
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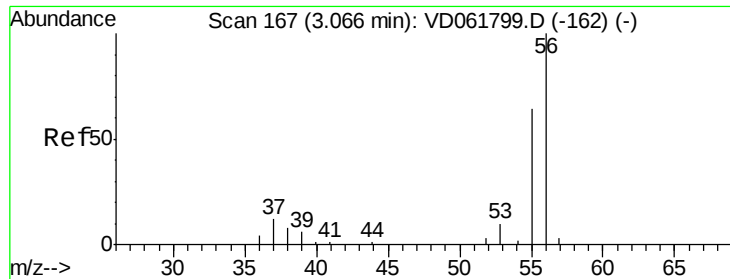


#12

1,1-Dichloroethene
Concen: 44.155 ug/l
RT: 3.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.9	129.8	194.8
98	63.4	51.2	76.8





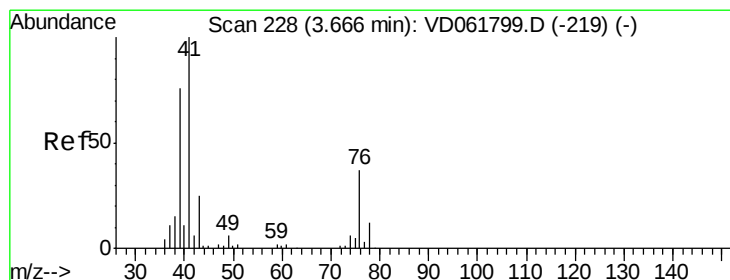
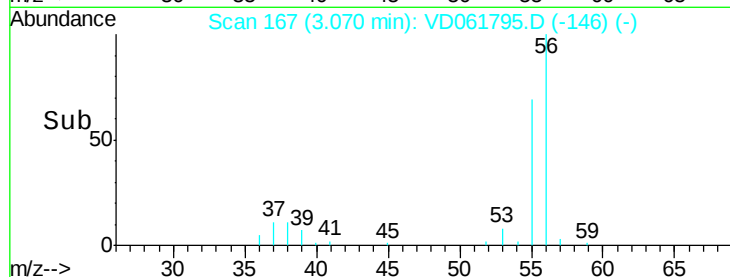
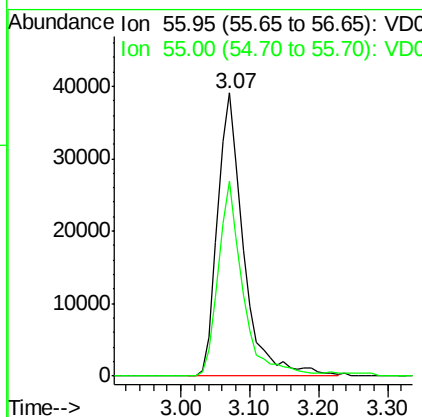
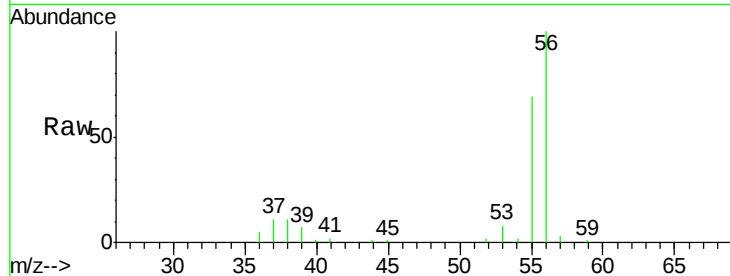
#13
 Acrolein
 Concen: 340.987 ug/l
 RT: 3.07 min Scan# 167
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 56 Resp: 101853
 Ion Ratio Lower Upper
 56 100
 55 68.8 51.4 77.2

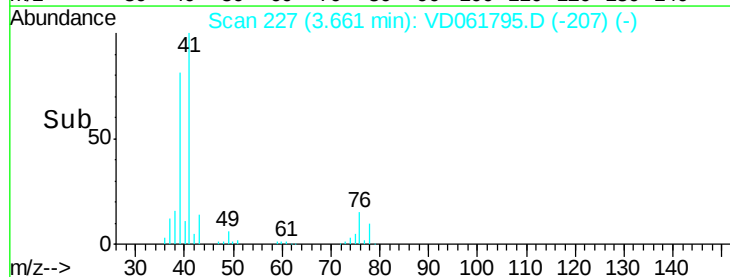
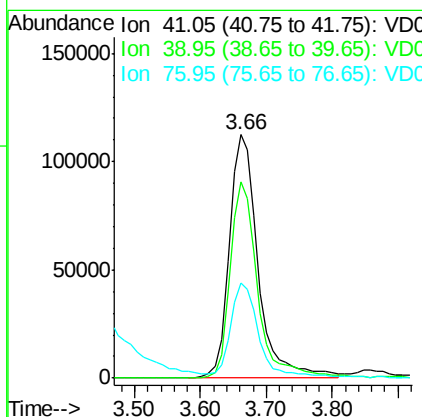
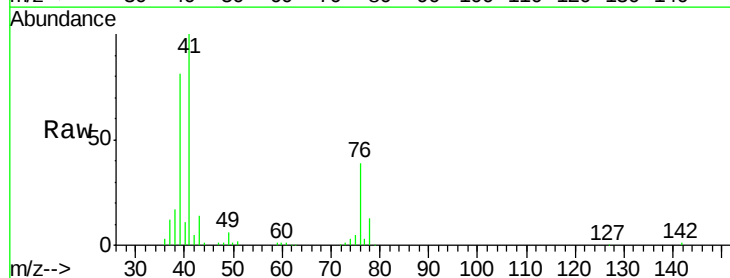
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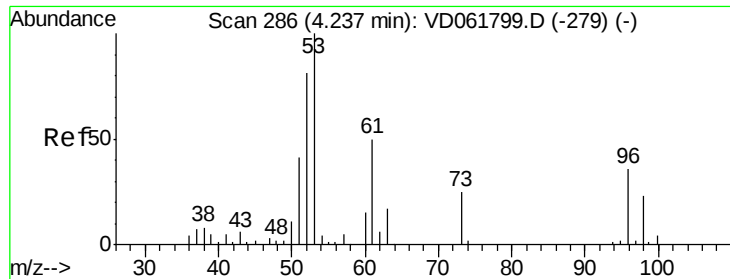
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#14
 Allyl chloride
 Concen: 43.282 ug/l
 RT: 3.66 min Scan# 227
 Delta R.T. -0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion: 41 Resp: 345658
 Ion Ratio Lower Upper
 41 100
 39 80.6 60.5 90.7
 76 39.3 31.8 47.8





#15

Acrylonitrile

Concen: 219.070 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

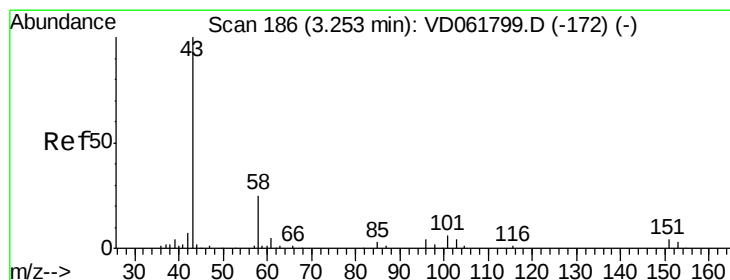
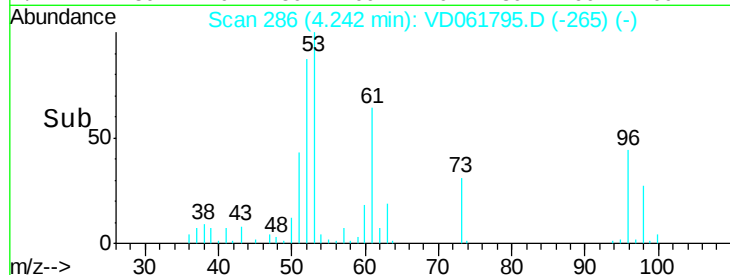
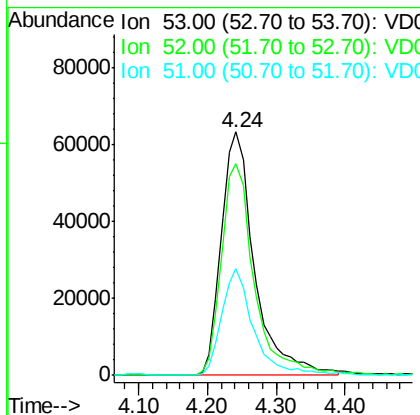
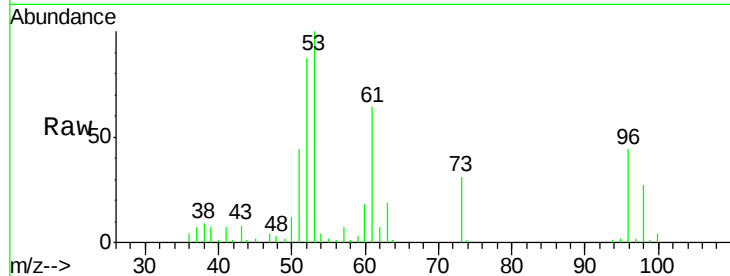
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	212203
Ion Ratio	Lower	Upper	
53	100		
52	86.8	65.0	97.4
51	43.7	32.6	48.8

Manual Integrations
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#16

Acetone

Concen: 237.531 ug/l

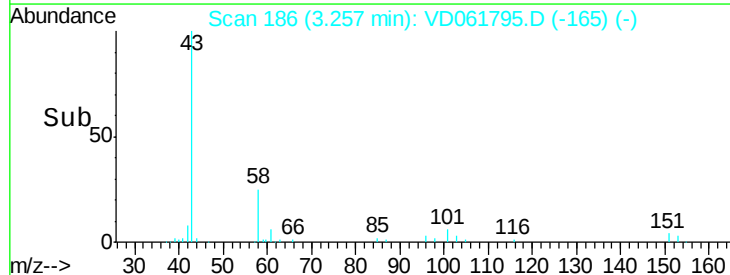
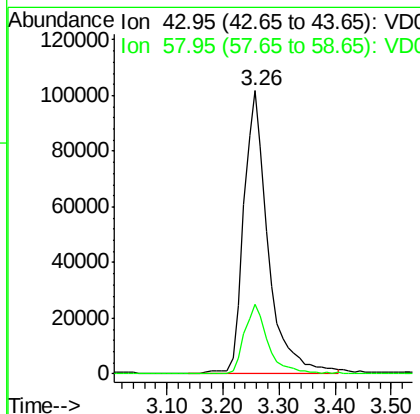
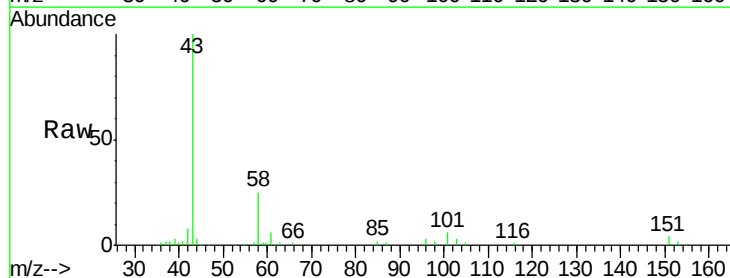
RT: 3.26 min Scan# 186

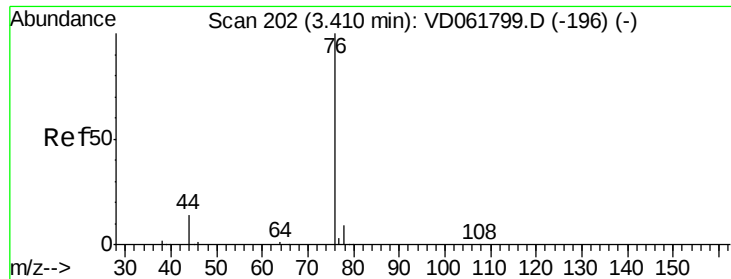
Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Tgt Ion:	43	Resp:	306298
Ion Ratio	Lower	Upper	
43	100		
58	24.5	19.9	29.9





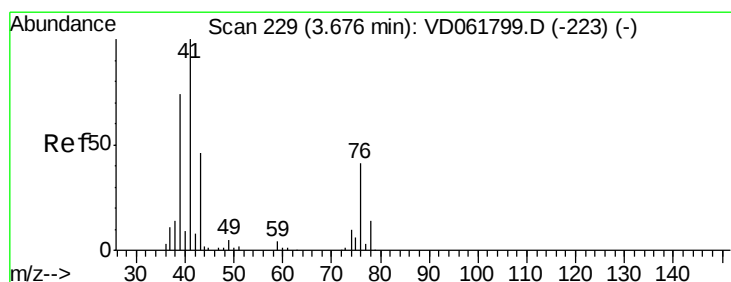
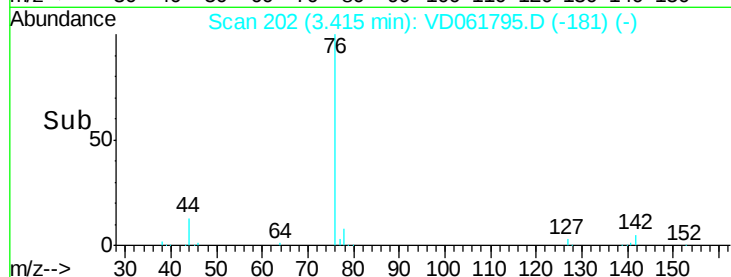
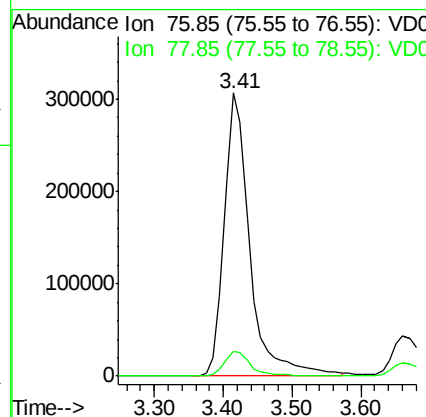
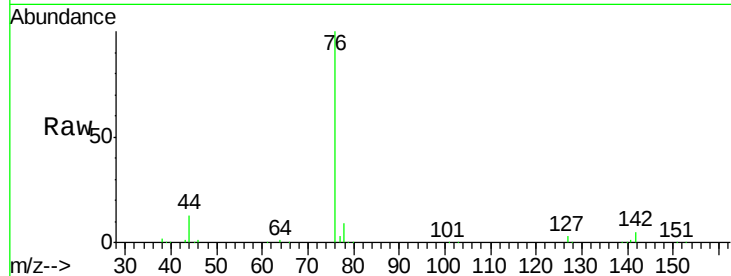
#17
Carbon Disulfide
Concen: 41.652 ug/l
RT: 3.41 min Scan# 202
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

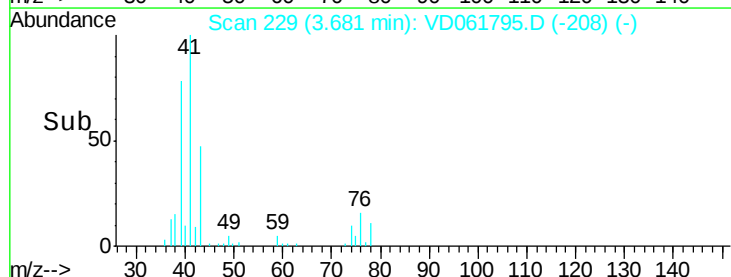
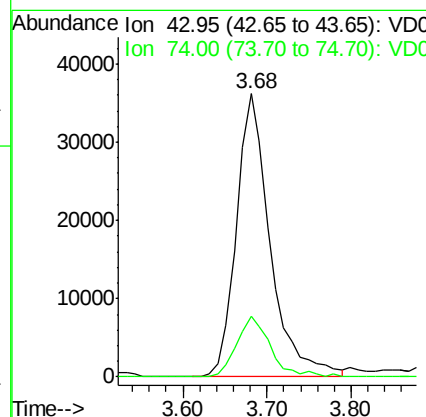
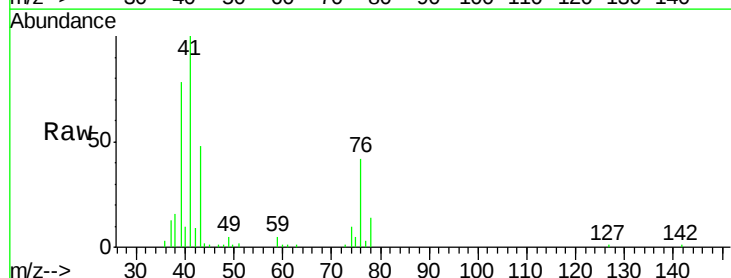
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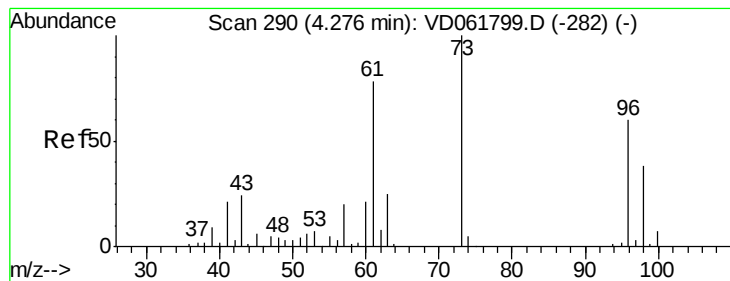
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#18
Methyl Acetate
Concen: 39.174 ug/l
RT: 3.68 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	18.0	27.0





#19

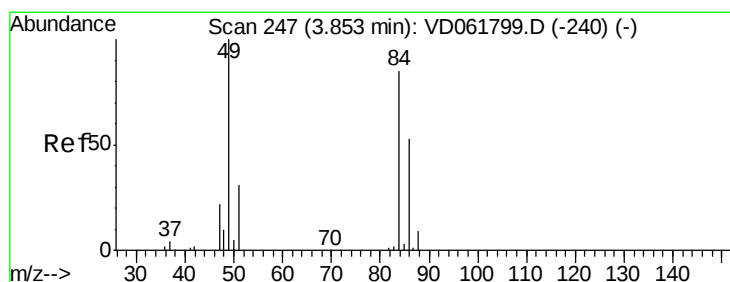
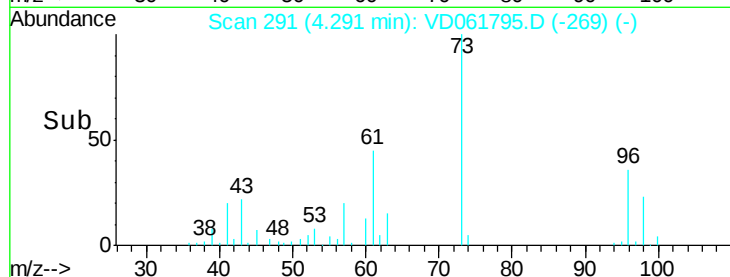
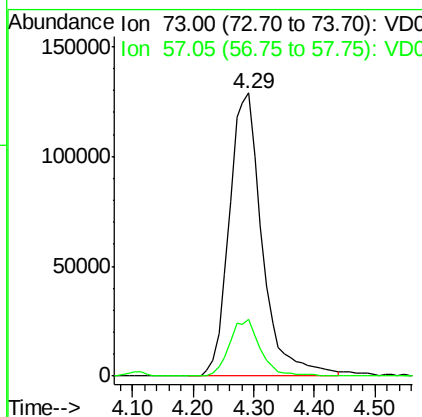
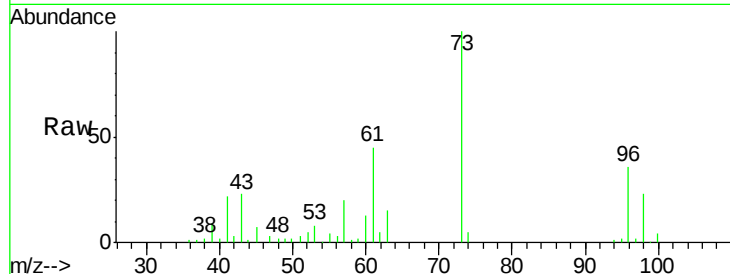
Methyl tert-butyl Ether
 Concen: 44.517 ug/l
 RT: 4.29 min Scan# 291
 Delta R.T. 0.01 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	16.3	24.5

Manual Integrations
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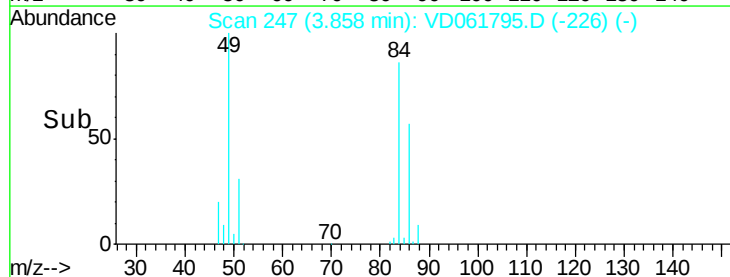
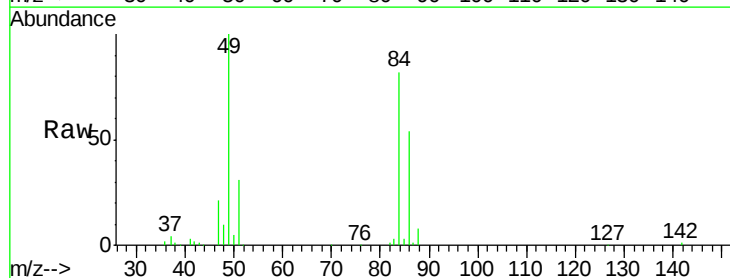
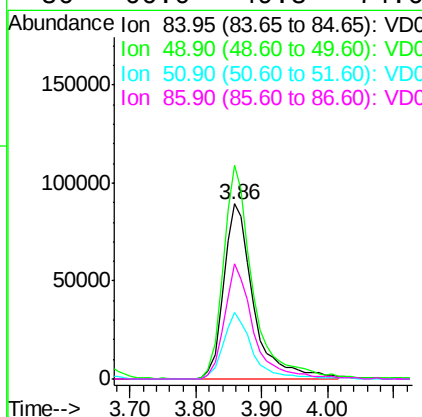
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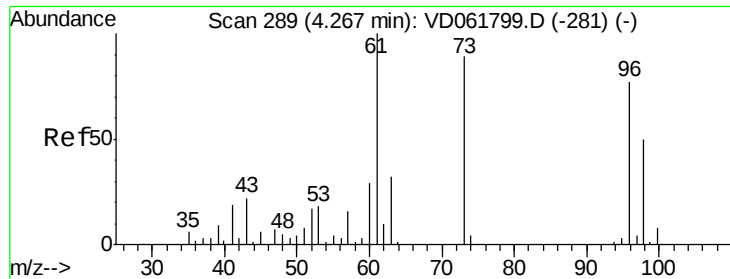


#20

Methylene Chloride
 Concen: 43.503 ug/l
 RT: 3.86 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.1	94.0	141.0
51	38.2	29.0	43.4
86	66.0	49.8	74.6





#21

trans-1,2-Dichloroethene

Concen: 44.740 ug/l

RT: 4.27 min Scan# 289

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 288081

Ion Ratio Lower Upper

96 100

61 131.3 104.4 156.6

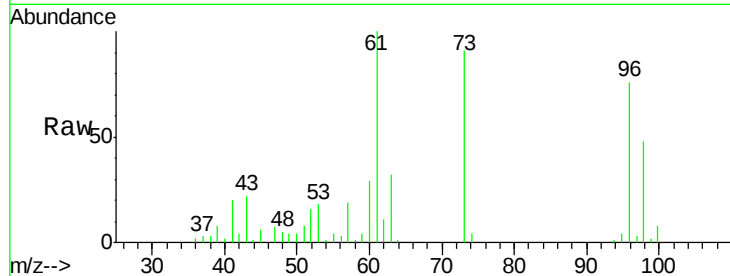
98 62.6 51.8 77.8

Manual Integrations

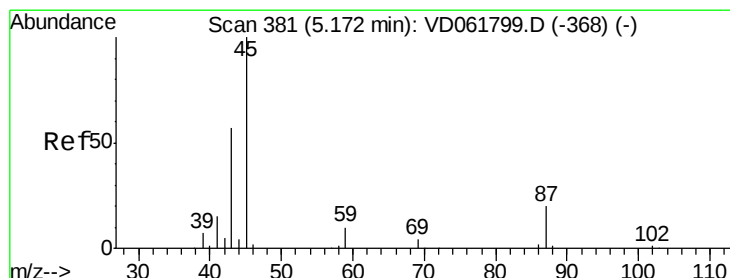
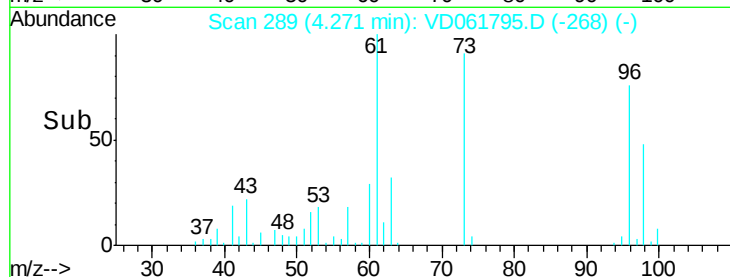
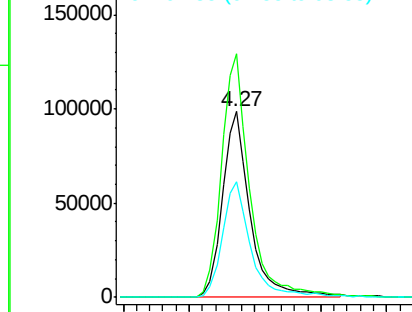
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 46.619 ug/l

RT: 5.18 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Tgt Ion: 45 Resp: 795843

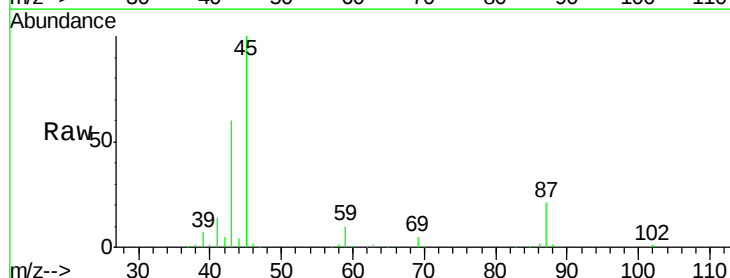
Ion Ratio Lower Upper

45 100

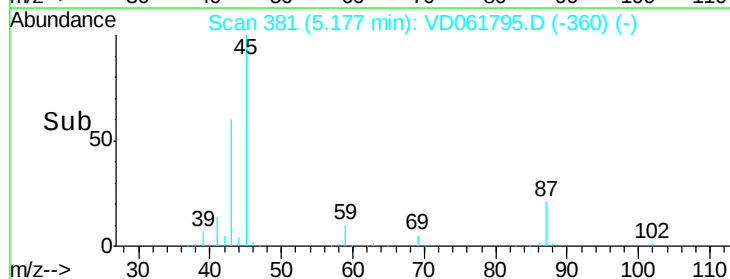
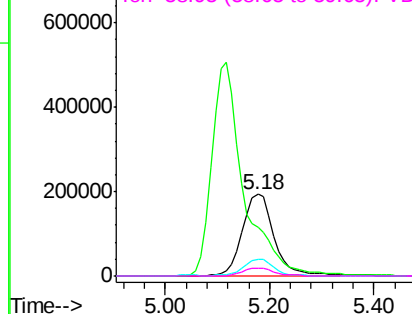
43 60.0 46.2 69.2

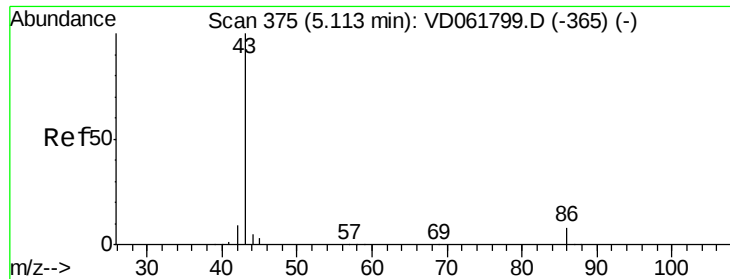
87 20.8 15.9 23.9

59 9.6 7.9 11.9



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





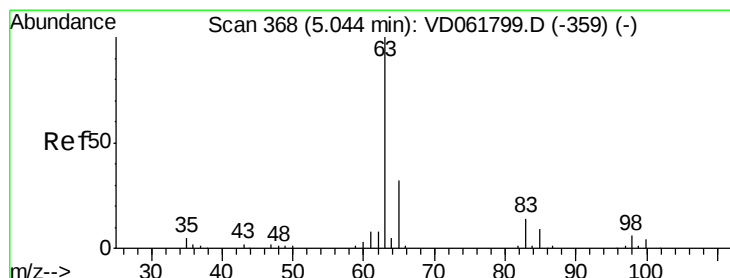
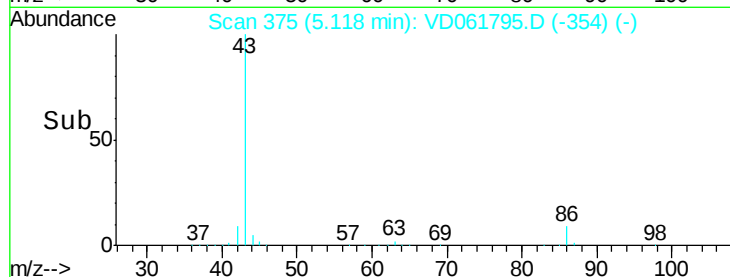
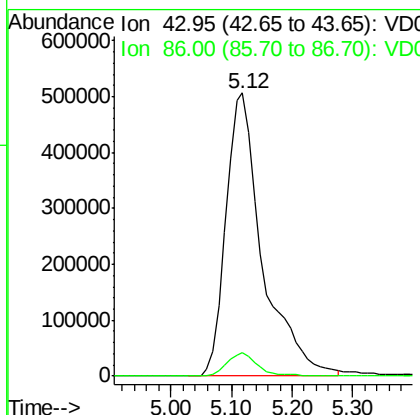
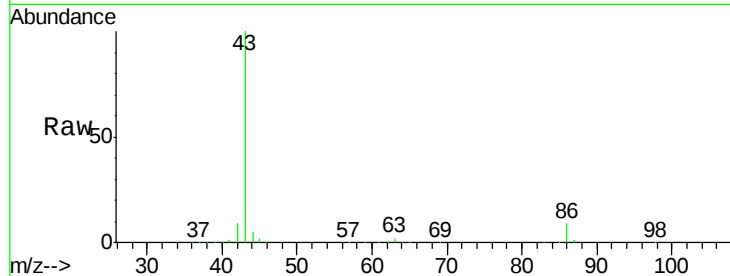
#23
 Vinyl Acetate
 Concen: 231.876 ug/l
 RT: 5.12 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2116018
 Ion Ratio Lower Upper
 43 100
 86 8.5 6.4 9.6

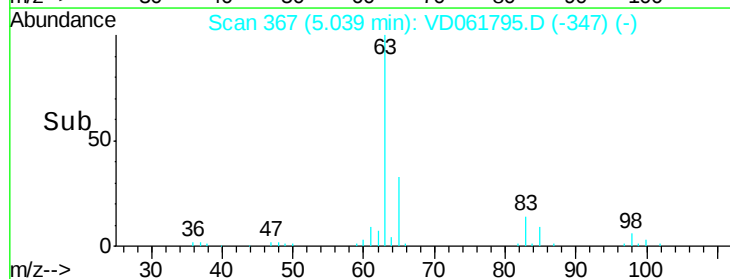
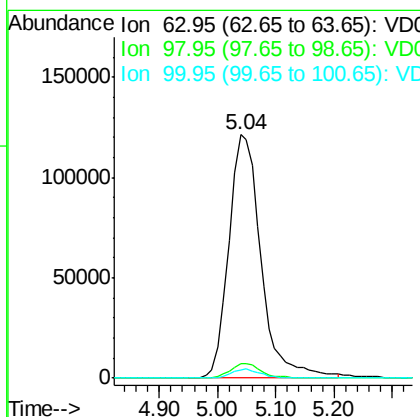
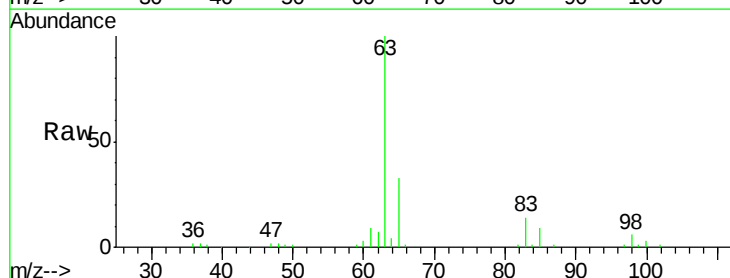
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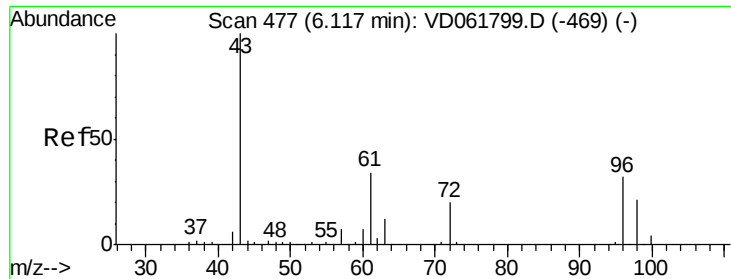
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 45.004 ug/l
 RT: 5.04 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion: 63 Resp: 465798
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.8 8.4
 100 3.4 1.8 5.5





#25

2-Butanone

Concen: 218.594 ug/l

RT: 6.12 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 320911

Ion Ratio Lower Upper

43 100

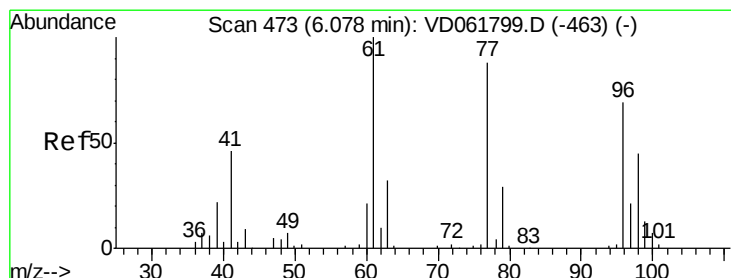
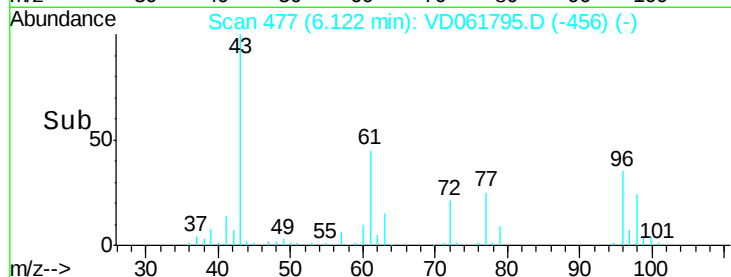
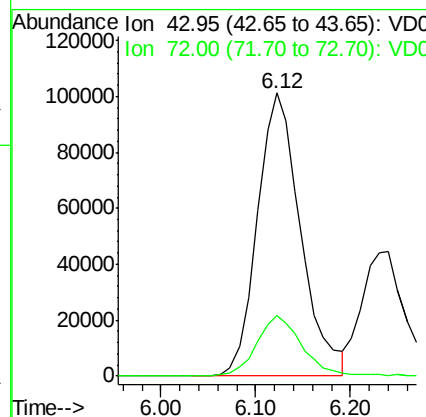
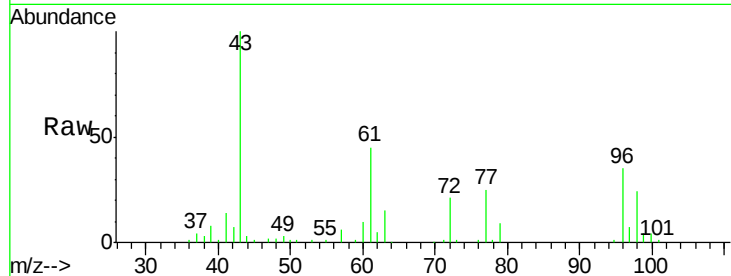
72 21.4 16.2 24.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.202 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD061795.D

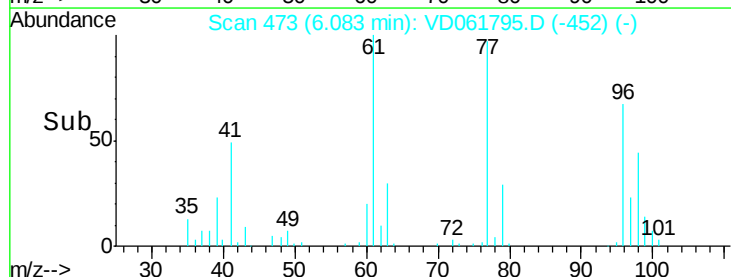
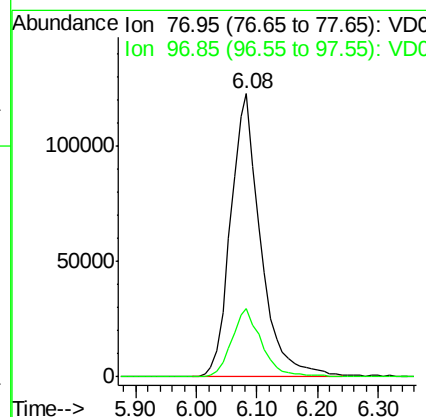
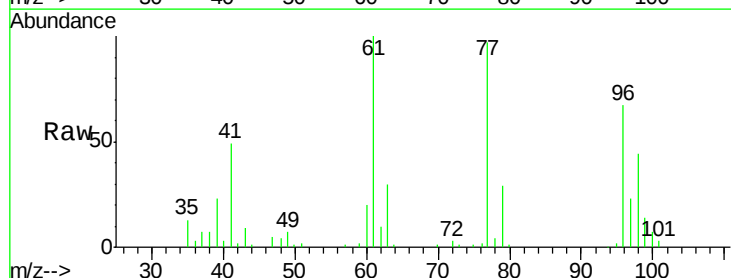
Acq: 15 Apr 2019 11:36

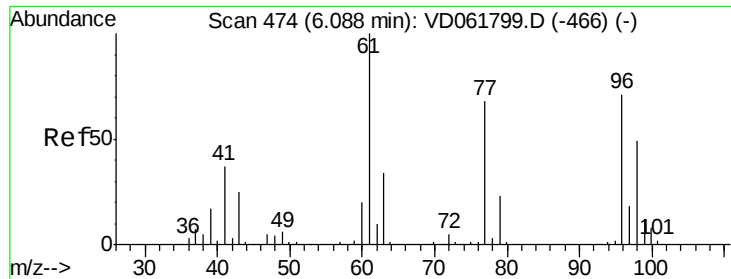
Tgt Ion: 77 Resp: 422279

Ion Ratio Lower Upper

77 100

97 24.0 11.9 35.9





#27

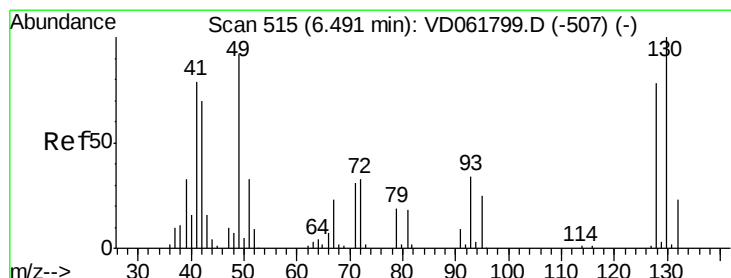
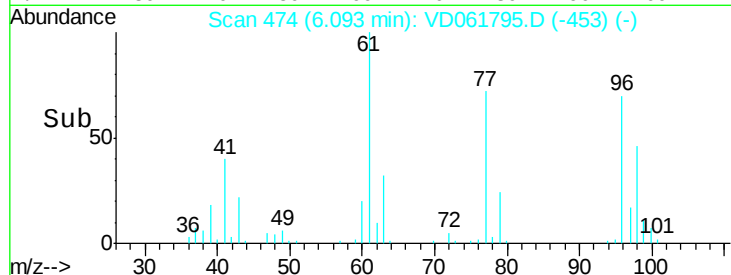
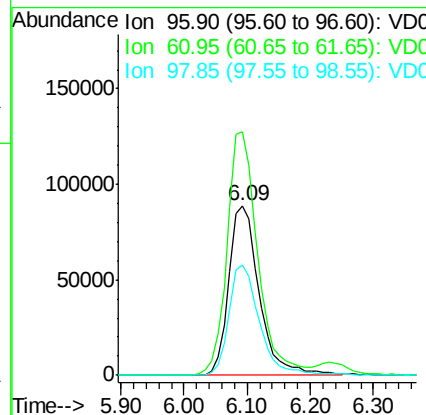
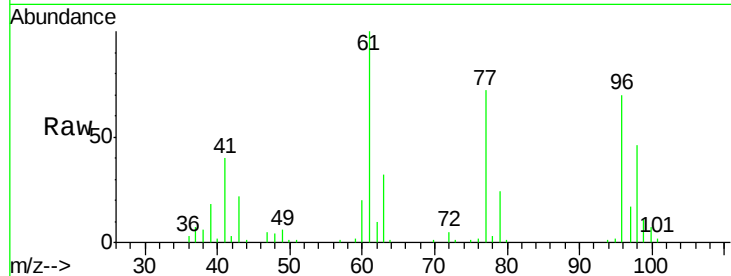
cis-1,2-Dichloroethene
Concen: 42.694 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	298009		
61	143.3	0.0	279.8	
98	65.4	0.0	136.0	

Manual Integrations
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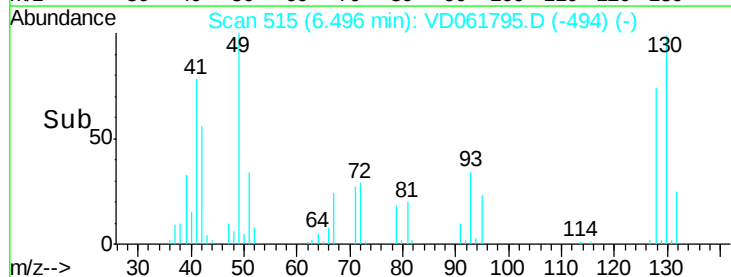
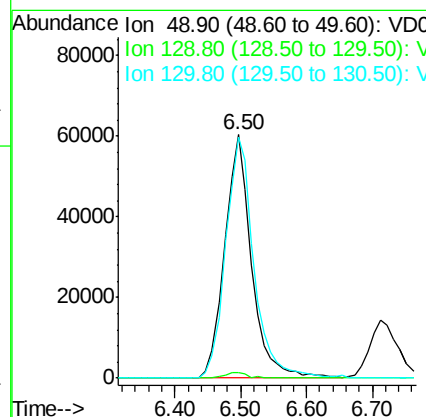
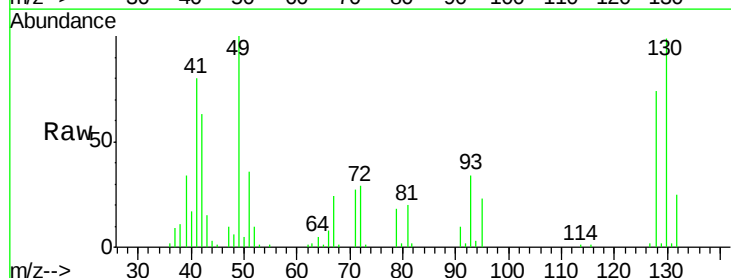
MMDadoda
4/16/2019 3:12:46 PM



#28

Bromochloromethane
Concen: 43.593 ug/l
RT: 6.50 min Scan# 515
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	171382		
129	2.2	0.0	6.6	
130	99.0	86.7	130.1	





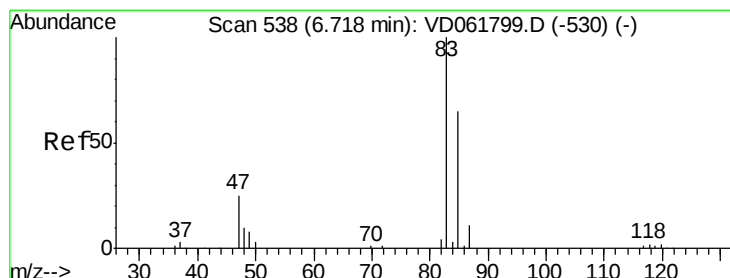
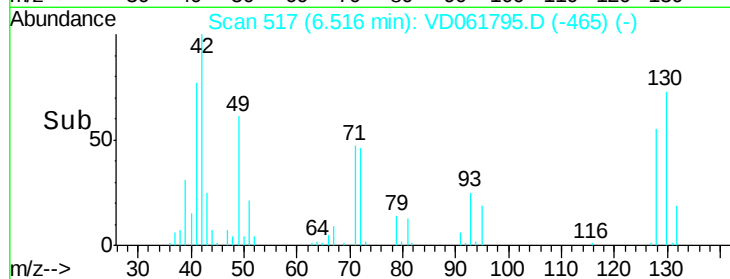
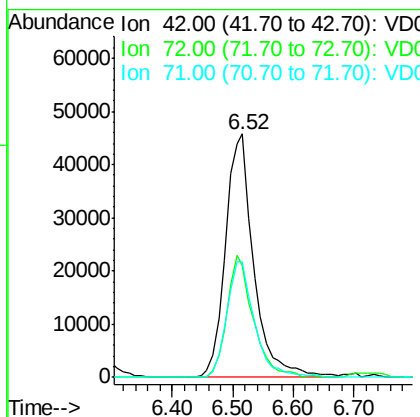
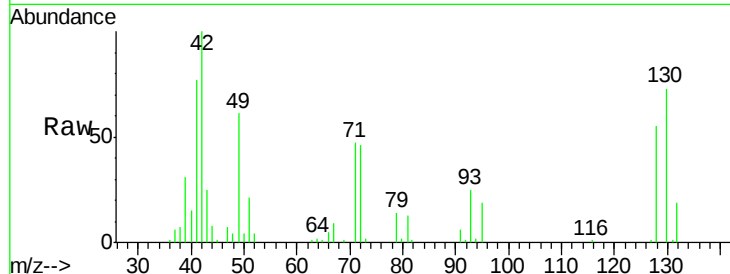
#29
Tetrahydrofuran
Concen: 206.888 ug/l
RT: 6.52 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.8	56.6
71	46.8	36.7	55.1

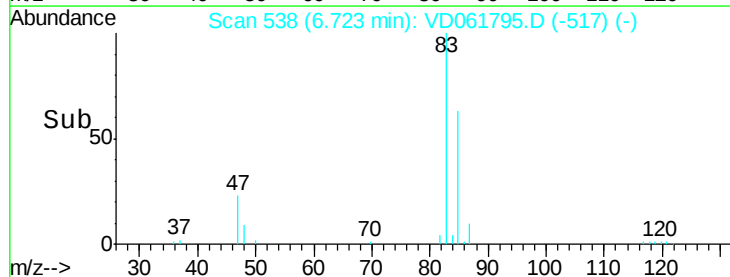
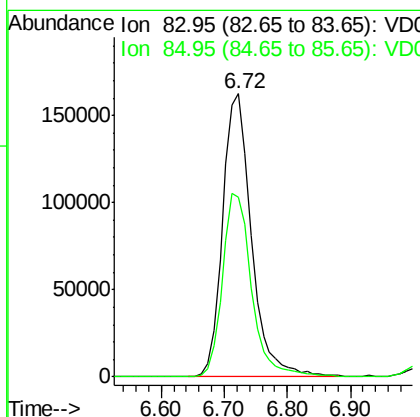
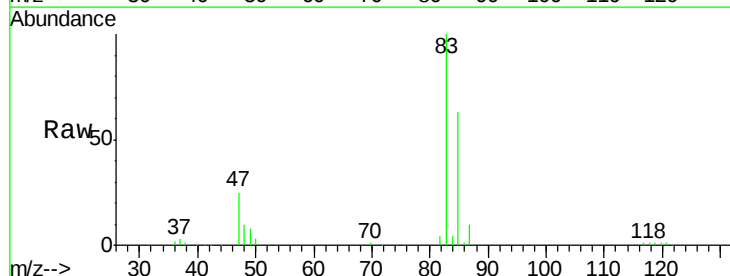
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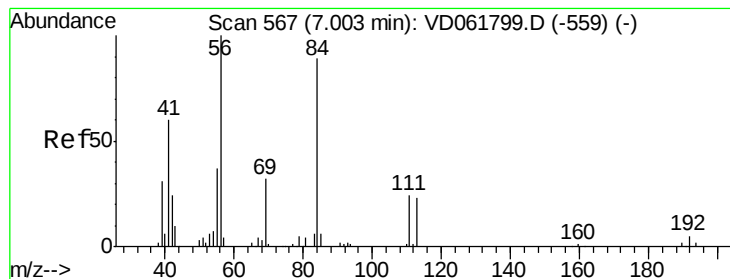
MMDadoda
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#30
Chloroform
Concen: 44.670 ug/l
RT: 6.72 min Scan# 538
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.7	77.5





#31

Cyclohexane

Concen: 46.242 ug/l

RT: 7.01 min Scan# 567

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

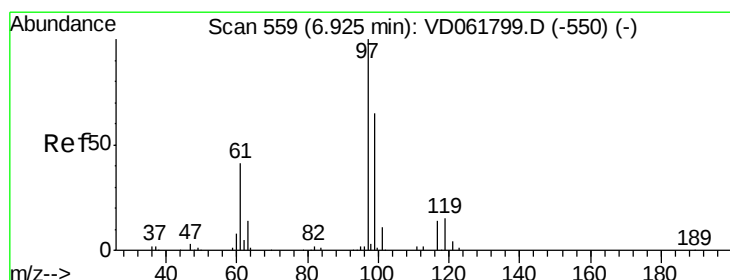
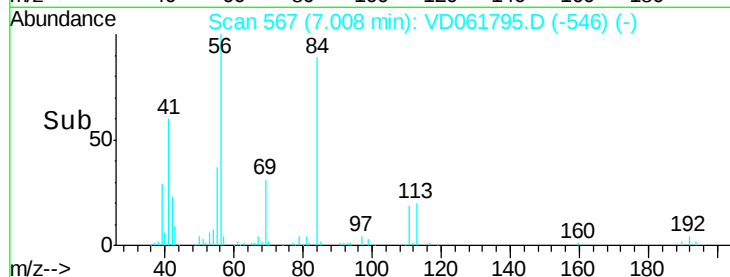
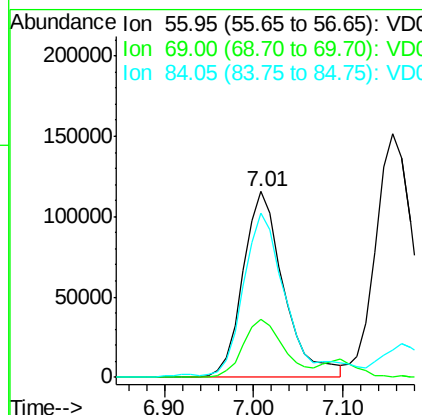
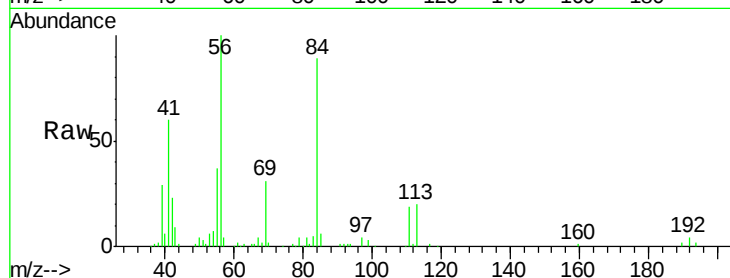
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	366393
Ion Ratio	Lower	Upper	
56	100		
69	31.4	25.8	38.6
84	88.5	72.2	108.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 45.451 ug/l

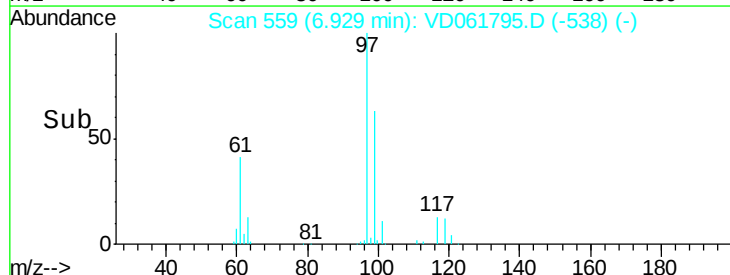
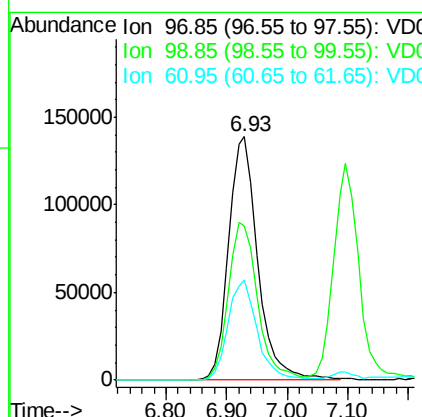
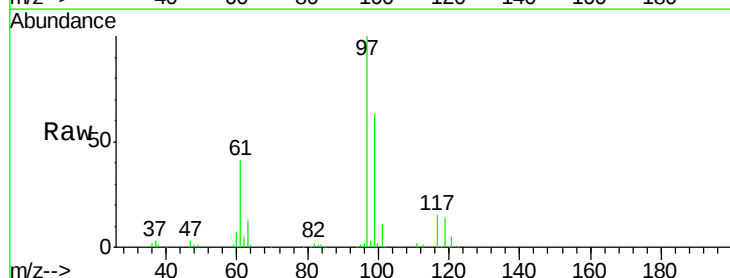
RT: 6.93 min Scan# 559

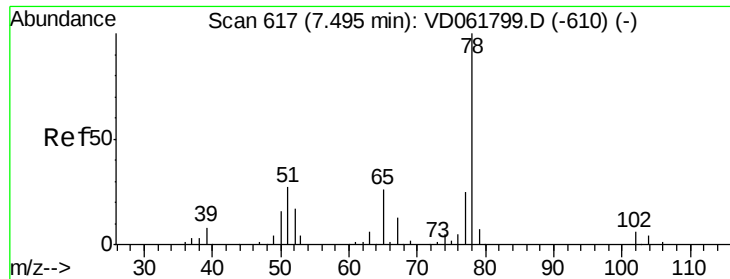
Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Tgt Ion:	97	Resp:	465125
Ion Ratio	Lower	Upper	
97	100		
99	63.3	52.2	78.2
61	41.1	32.4	48.6





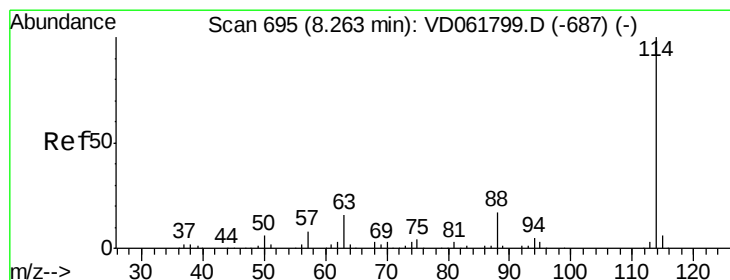
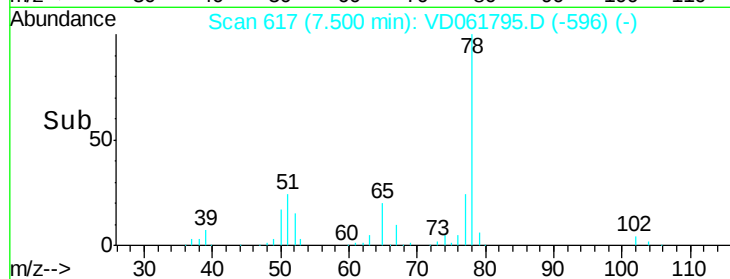
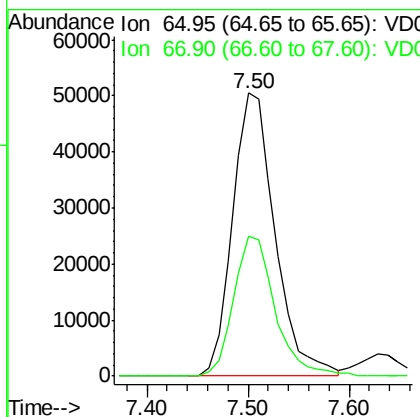
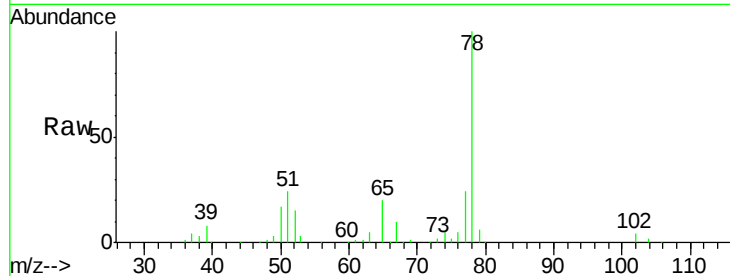
#33
 1,2-Dichloroethane-d4
 Concen: 45.451 ug/l
 RT: 7.50 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	147192		
67	49.6	0.0	98.0	

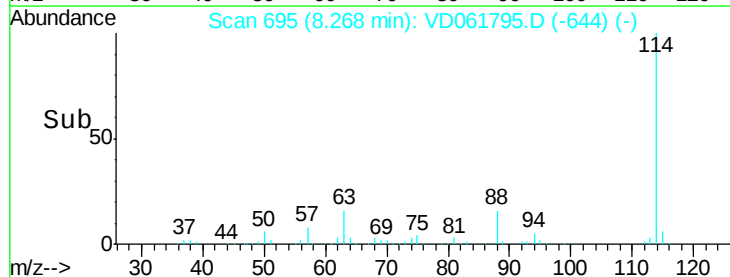
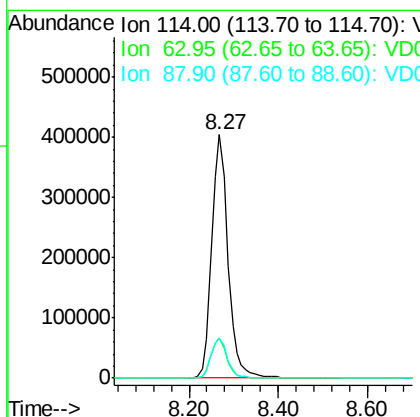
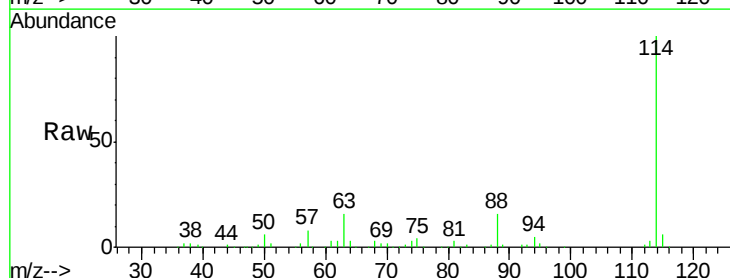
Manual Integrations
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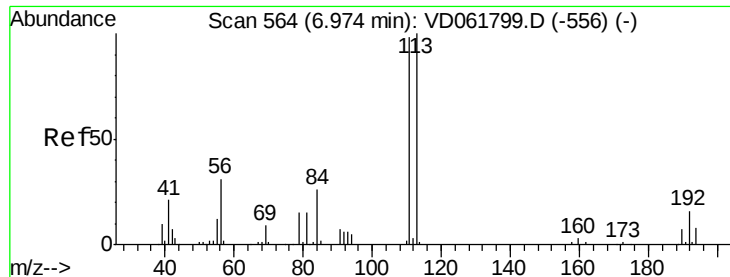
MMDadoda
 4/16/2019 3:12:46 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.27 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1019850		
63	16.4	0.0	32.4	
88	16.5	0.0	33.6	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.98 min Scan# 564

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

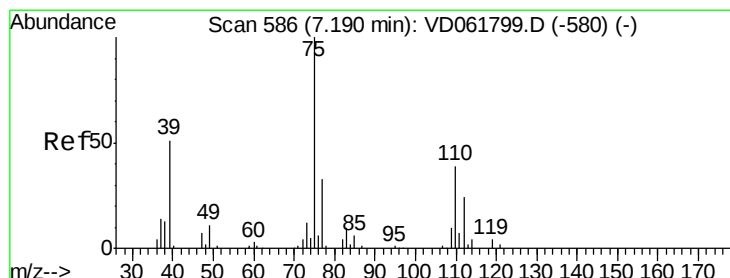
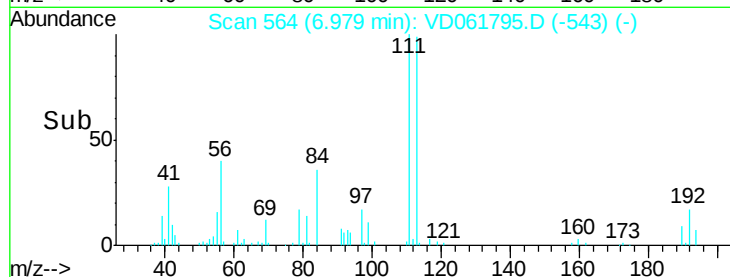
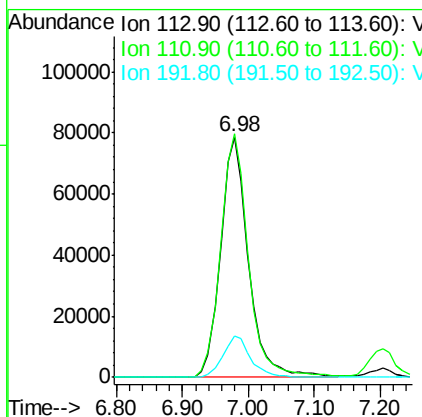
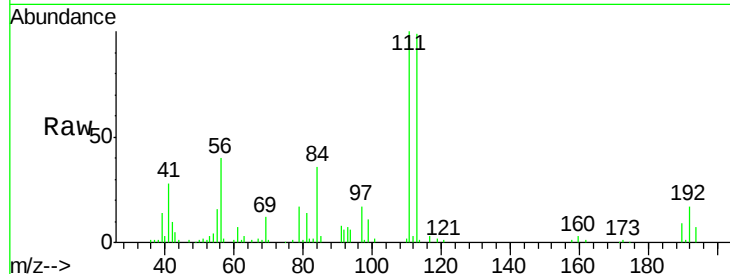
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	231659
Ion	Ratio	Lower	Upper
113	100		
111	101.4	78.5	117.7
192	17.1	13.0	19.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.071 ug/l

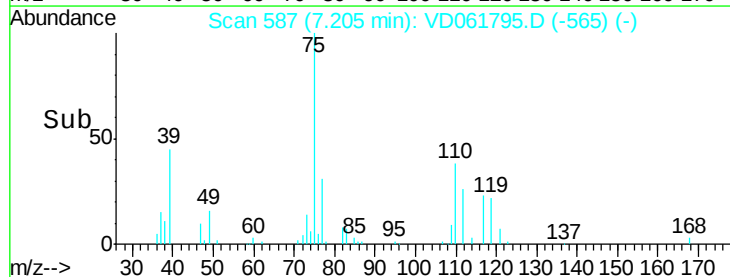
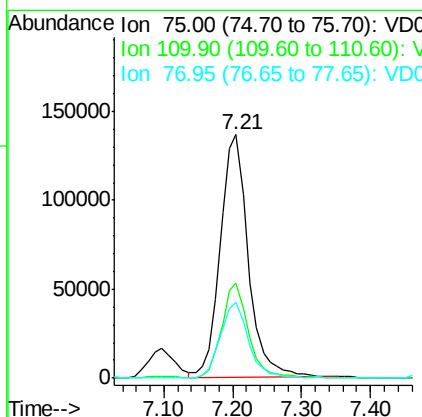
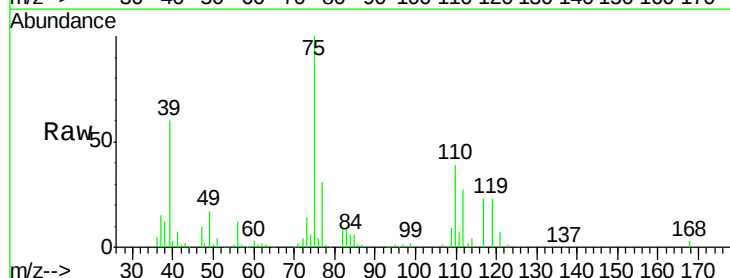
RT: 7.21 min Scan# 587

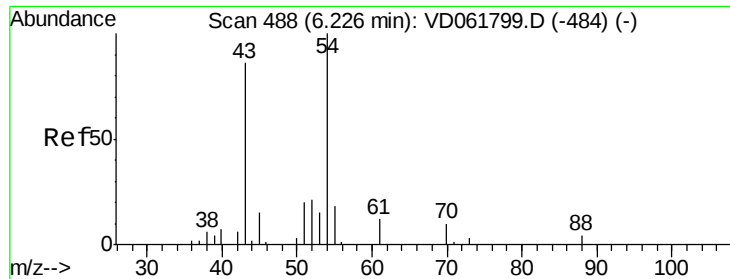
Delta R.T. 0.01 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Tgt Ion:	75	Resp:	383944
Ion	Ratio	Lower	Upper
75	100		
110	38.9	19.1	57.1
77	31.4	25.6	38.4





#37

Ethyl Acetate

Concen: 40.753 ug/l

RT: 6.24 min Scan# 489

Delta R.T. 0.01 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

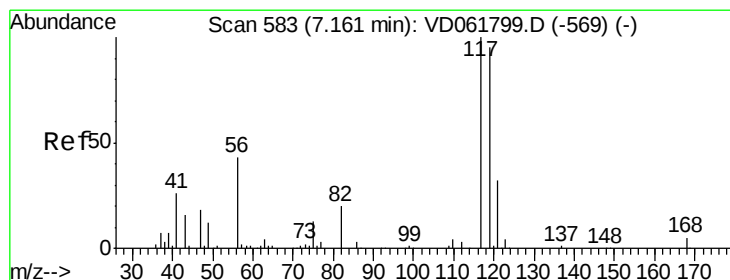
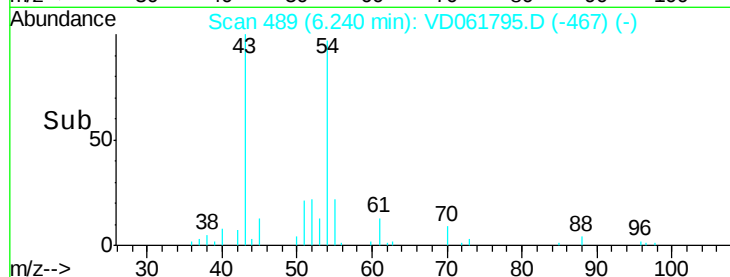
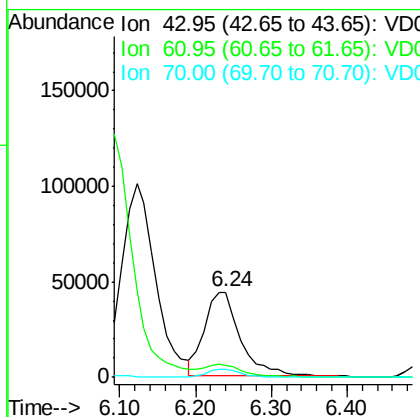
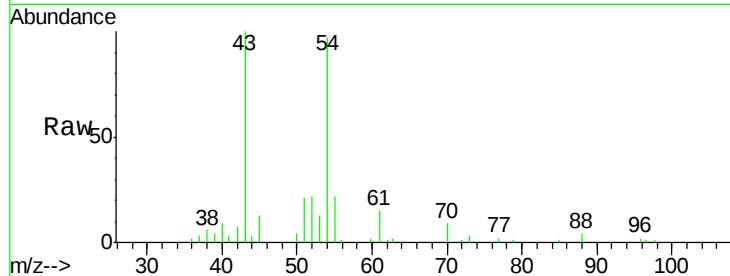
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	145356
Ion	Ratio	Lower	Upper
43	100		
61	14.5	14.7	22.1#
70	9.0	7.8	11.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 44.751 ug/l m

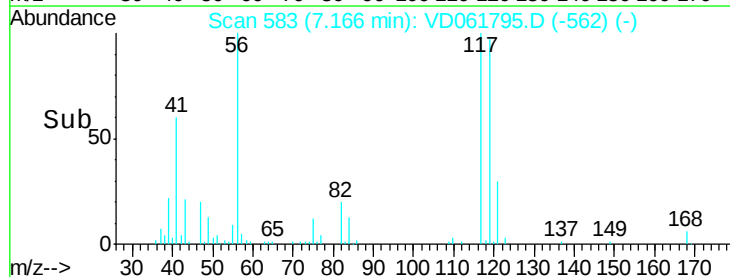
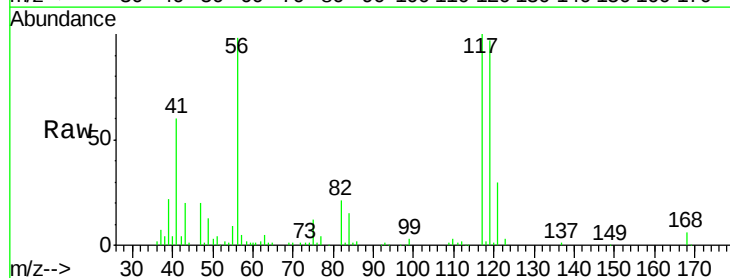
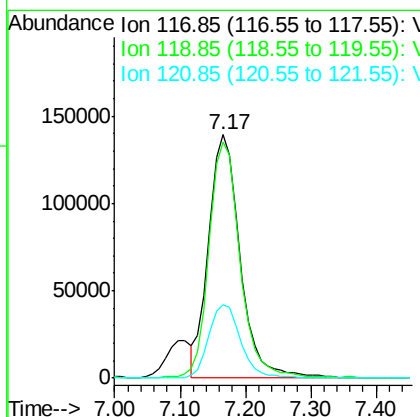
RT: 7.17 min Scan# 583

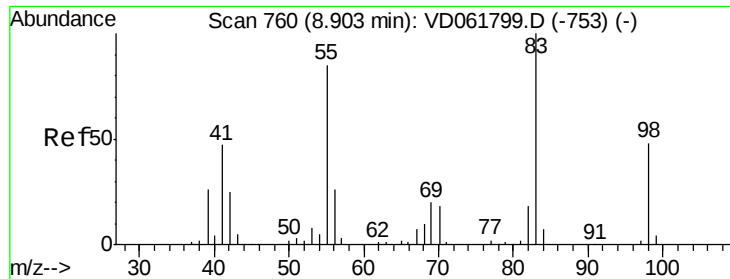
Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Tgt Ion:	117	Resp:	470929
Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.8	113.8
121	30.1	25.9	38.9





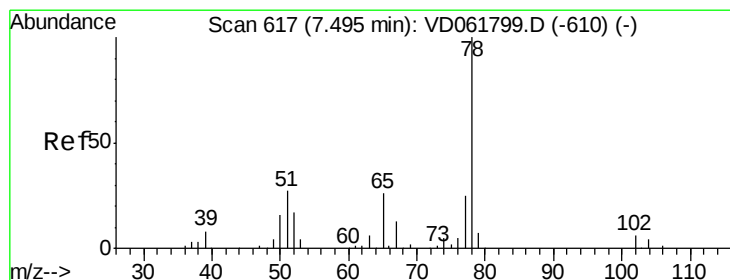
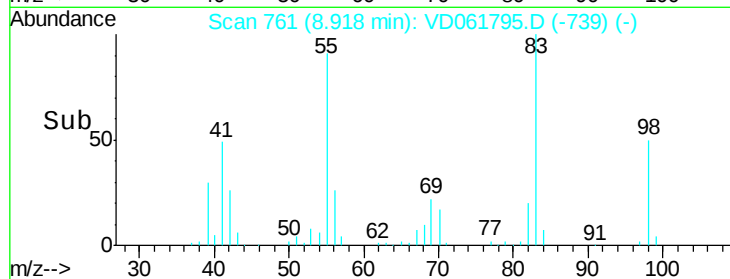
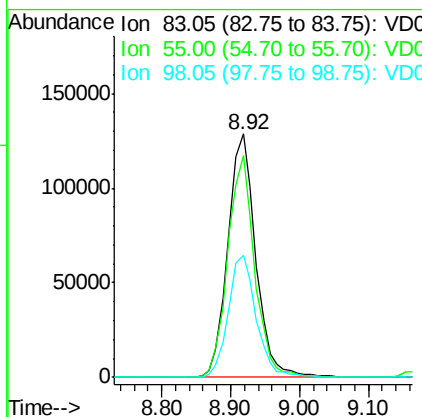
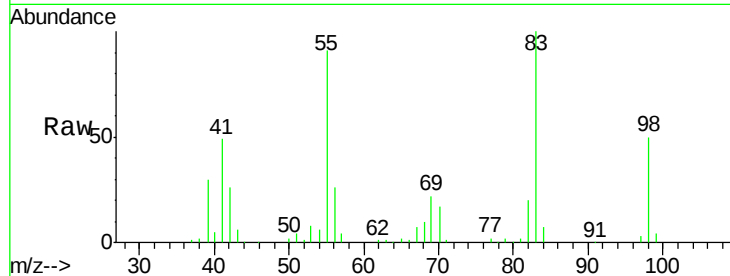
#39
Methvlcvclohexane
Concen: 41.645 ug/l
RT: 8.92 min Scan# 761
Delta R.T. 0.01 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	360399
Ion Ratio	Lower	Upper	
83	100		
55	91.3	68.2	102.4
98	49.9	38.2	57.4

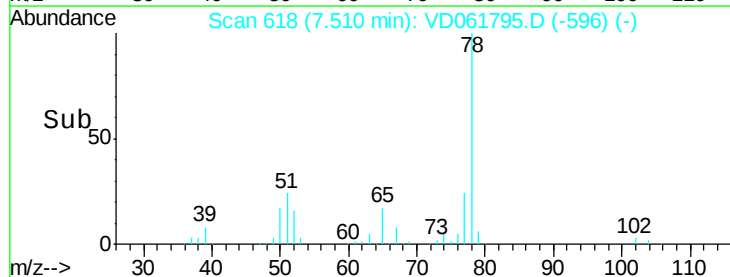
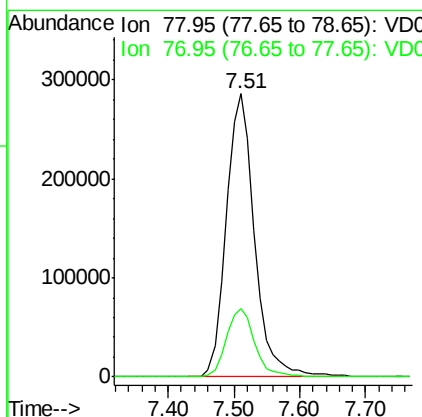
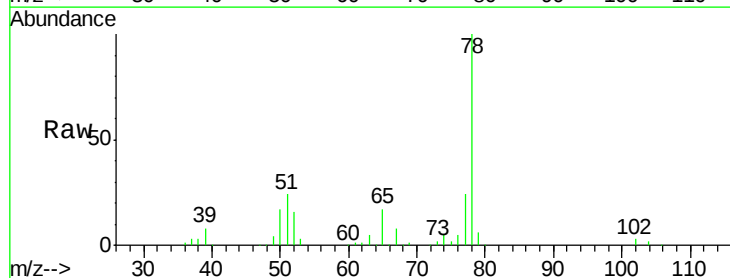
Manual Integrations
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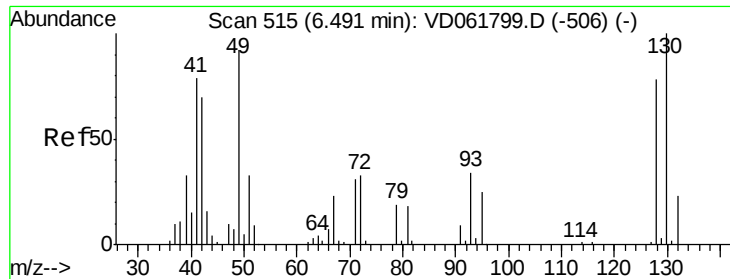
MMDadoda
4/16/2019 3:12:46 PM



#40
Benzene
Concen: 43.017 ug/l
RT: 7.51 min Scan# 618
Delta R.T. 0.01 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion	78	Resp	860669
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.7	29.5





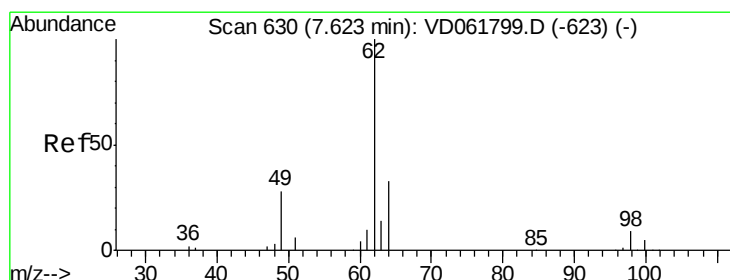
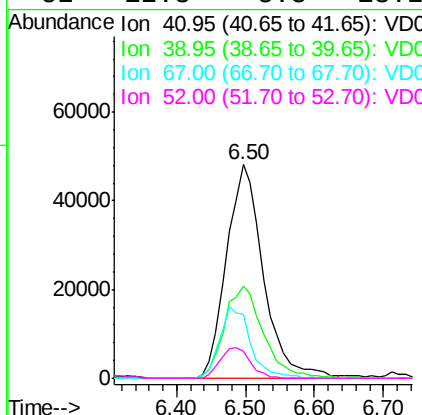
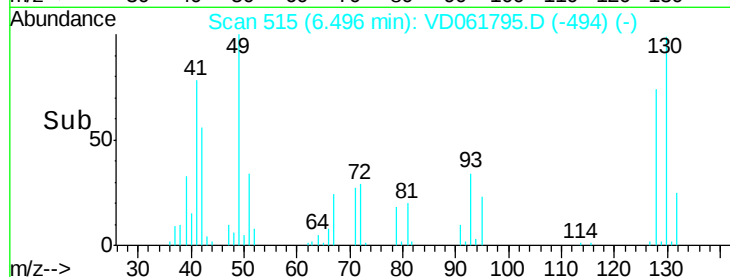
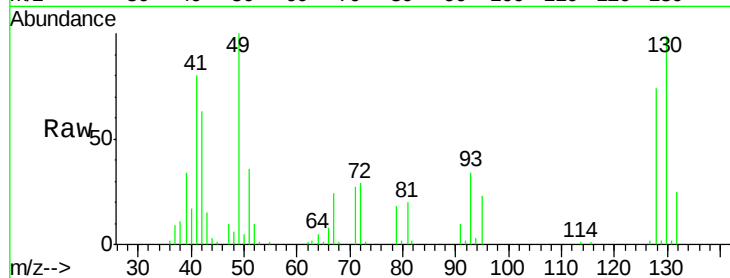
#41
Methacrylonitrile
Concen: 42.354 ug/l
RT: 6.50 min Scan# 515
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	42.9	34.1	51.1
67	29.9	23.8	35.6
52	12.3	8.8	13.2

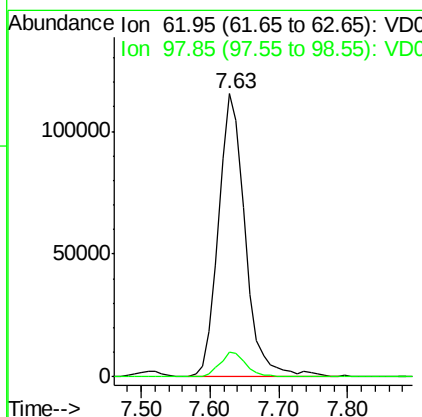
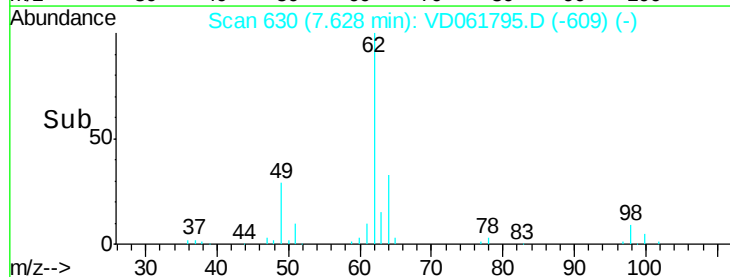
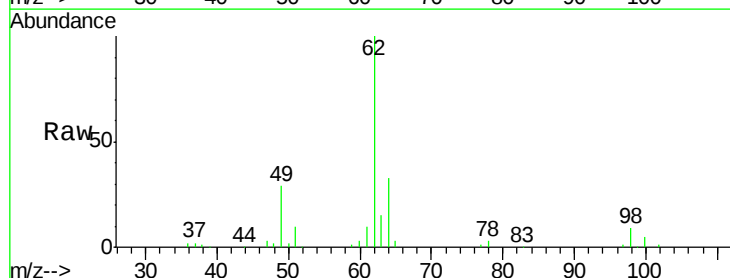
Manual Integrations
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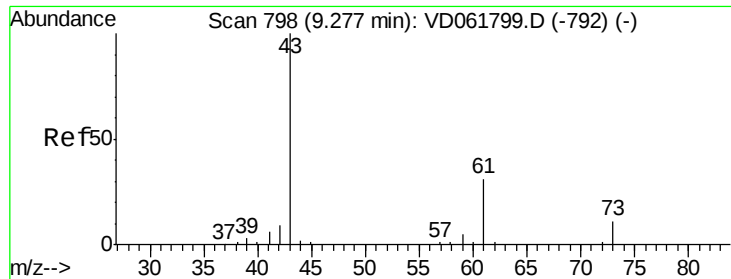
MMDadoda
4/16/2019 3:12:46 PM



#42
1,2-Dichloroethane
Concen: 44.570 ug/l
RT: 7.63 min Scan# 630
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8





#43

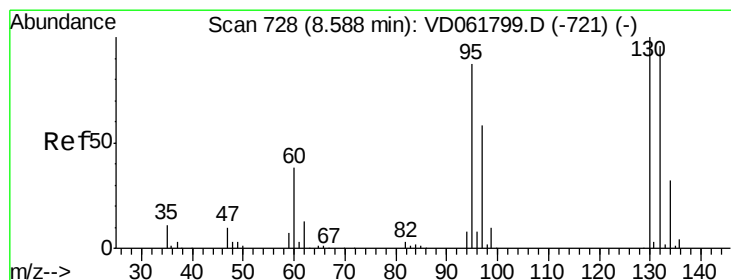
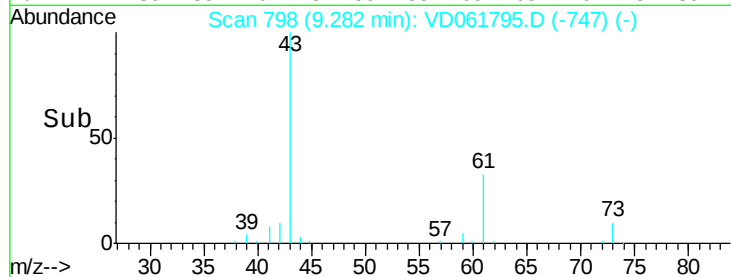
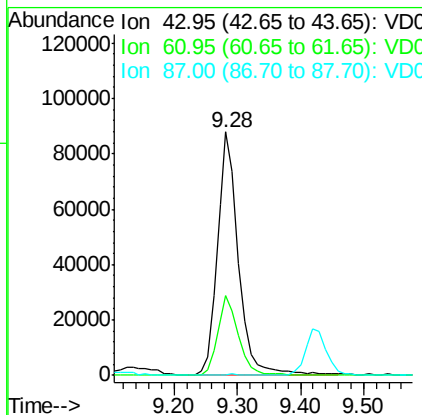
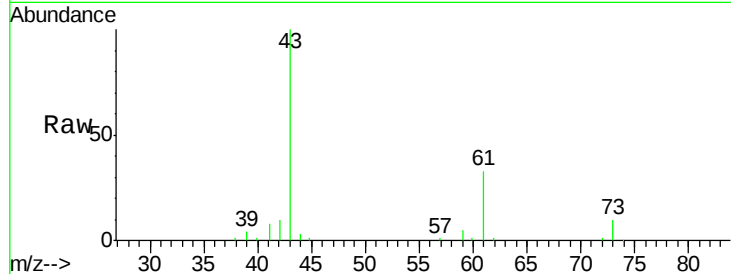
Isopropyl Acetate
 Concen: 41.028 ug/l
 RT: 9.28 min Scan# 798
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.0	25.1	37.7
87	0.0	0.0	0.0

Manual Integrations
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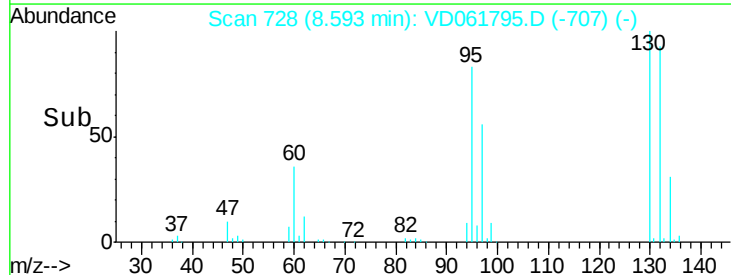
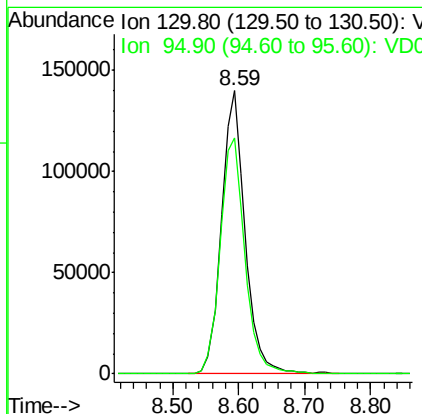
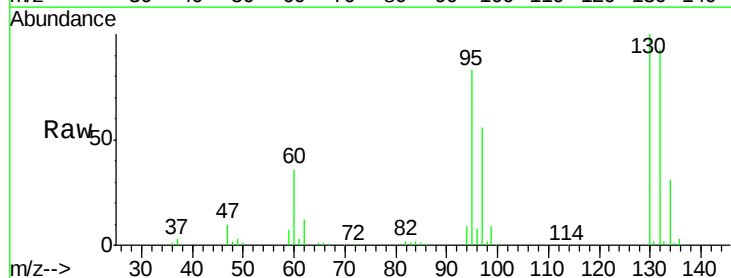
MMDadoda
 4/16/2019 3:12:46 PM

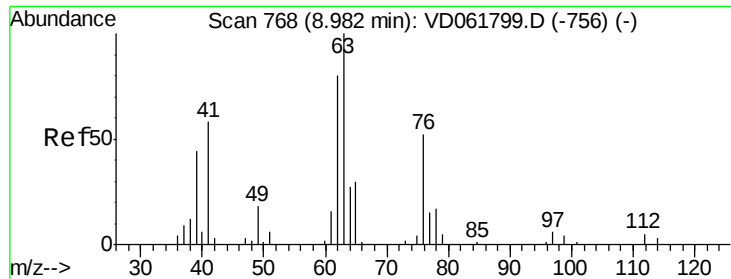


#44

Trichloroethene
 Concen: 45.441 ug/l
 RT: 8.59 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	83.3	0.0	174.0





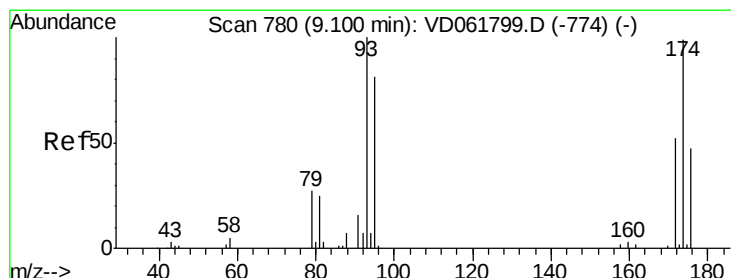
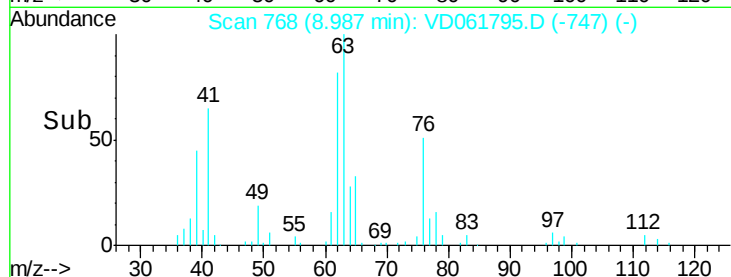
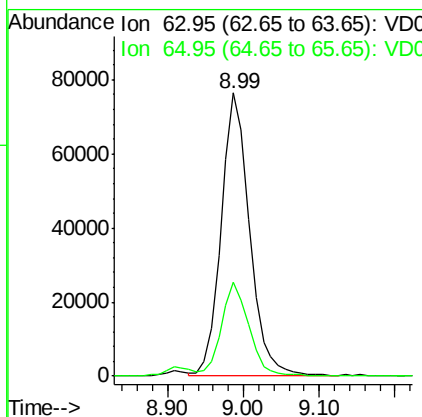
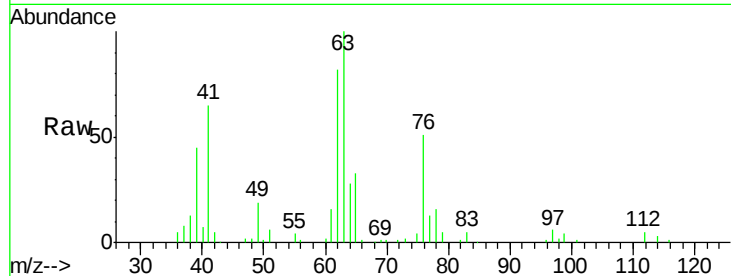
#45
 1,2-Dichloropropane
 Concen: 38.290 ug/l
 RT: 8.99 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 199549
 Ion Ratio Lower Upper
 63 100
 65 33.1 23.8 35.6

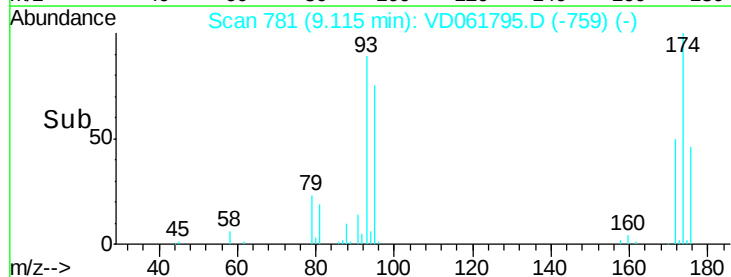
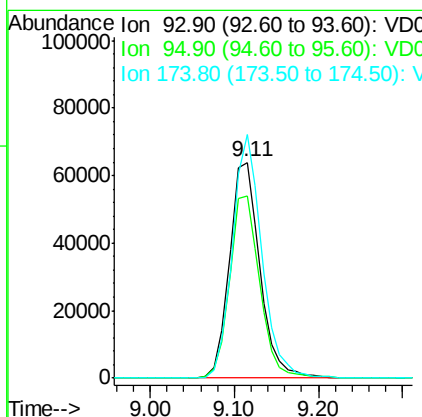
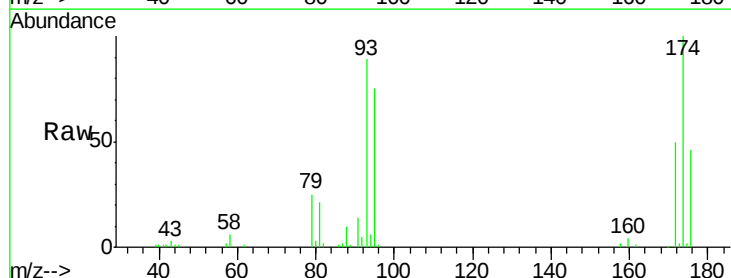
Manual Integrations
 APPROVED

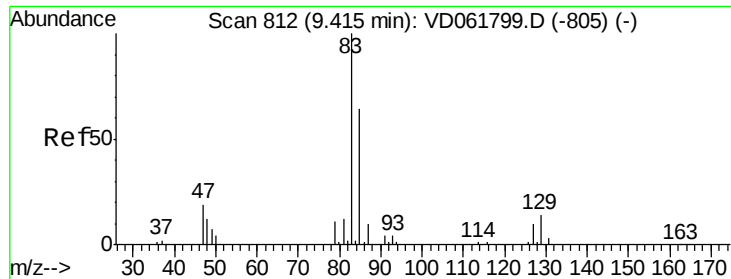
MMDadoda
 4/16/2019 3:12:46 PM



#46
 Dibromomethane
 Concen: 43.168 ug/l
 RT: 9.11 min Scan# 781
 Delta R.T. 0.01 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion: 93 Resp: 160299
 Ion Ratio Lower Upper
 93 100
 95 84.6 64.8 97.2
 174 112.7 79.3 118.9





#47

Bromodichloromethane

Concen: 44.726 ug/l

RT: 9.42 min Scan# 812

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

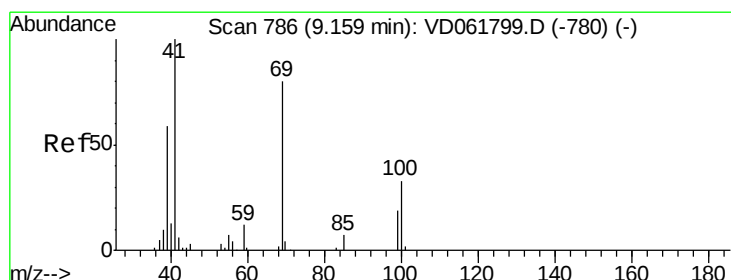
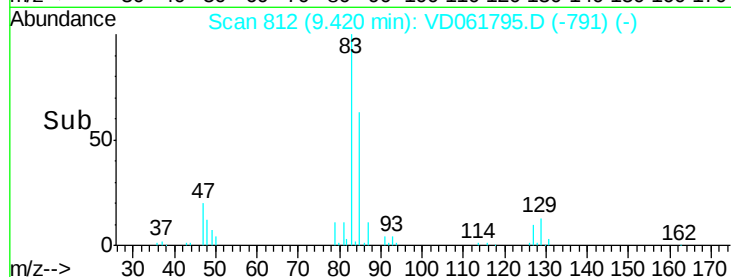
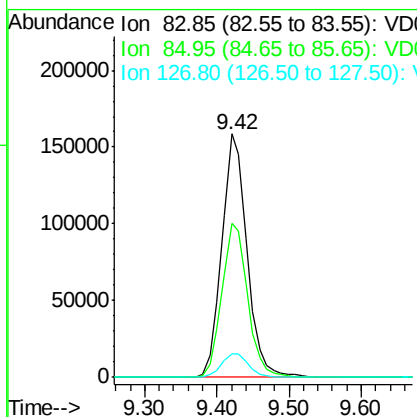
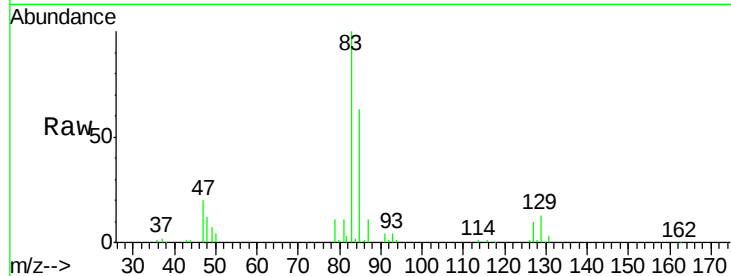
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	383159
Ion Ratio	Lower	Upper	
83	100		
85	63.2	50.9	76.3
127	9.7	8.1	12.1

Manual Integrations
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MMDadoda
4/16/2019 3:12:46 PM



#48

Methyl methacrylate

Concen: 41.198 ug/l

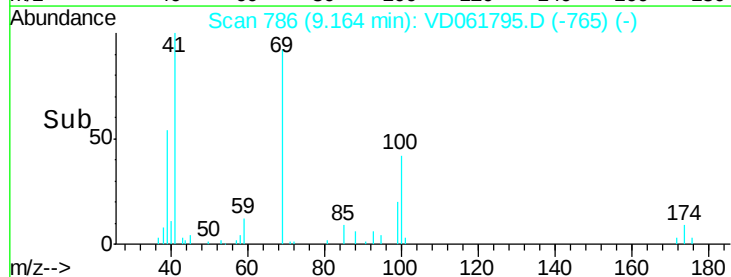
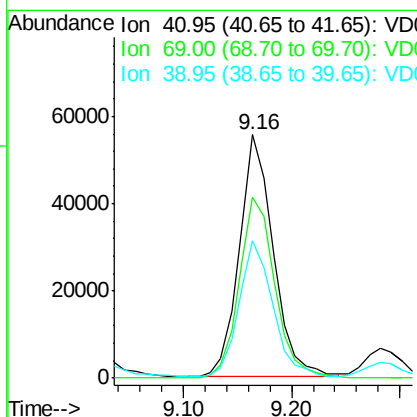
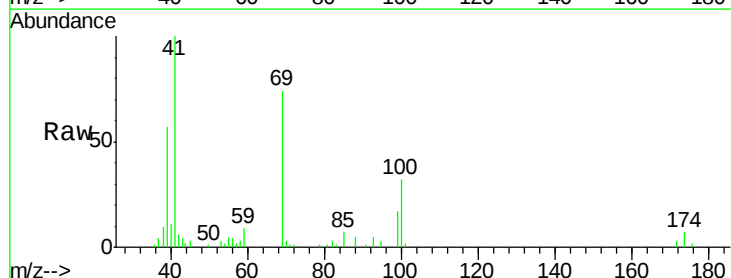
RT: 9.16 min Scan# 786

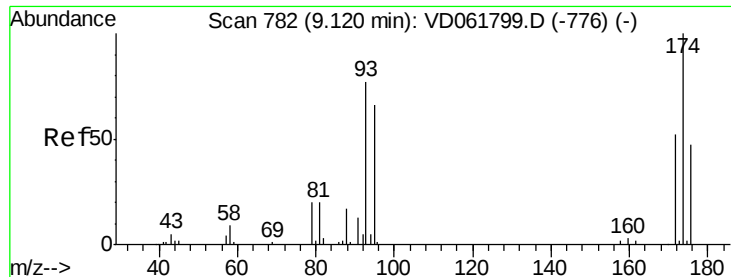
Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Tgt Ion:	41	Resp:	121552
Ion Ratio	Lower	Upper	
41	100		
69	74.3	64.2	96.2
39	56.6	46.8	70.2





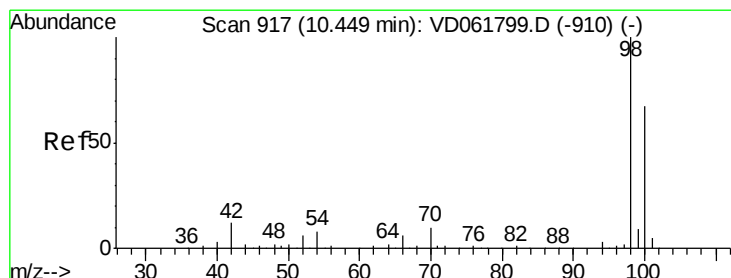
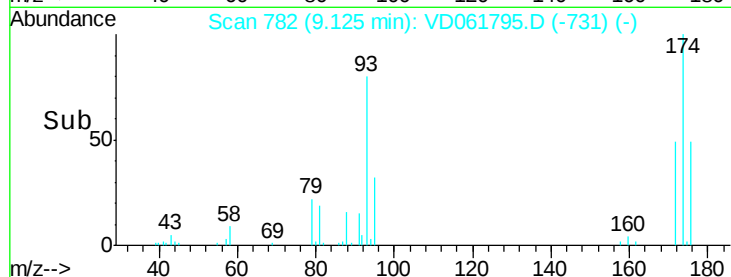
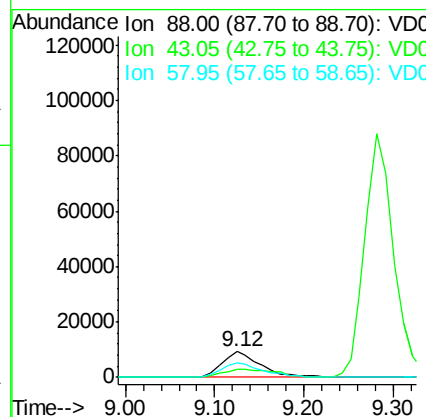
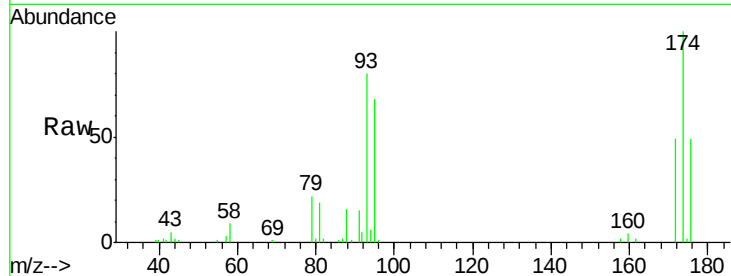
#49
1,4-Dioxane
Concen: 873.061 ug/l
RT: 9.12 min Scan# 782
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	28155		
43	29.8	23.4	35.0	
58	58.1	44.0	66.0	

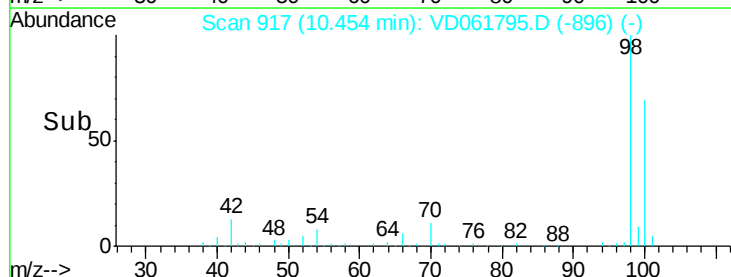
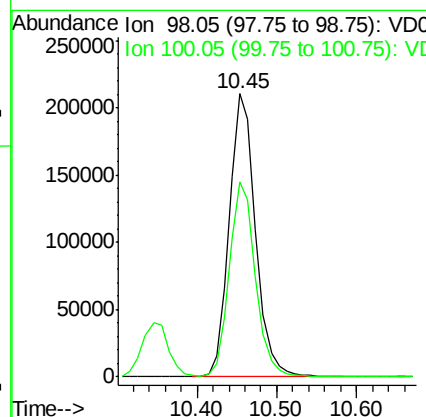
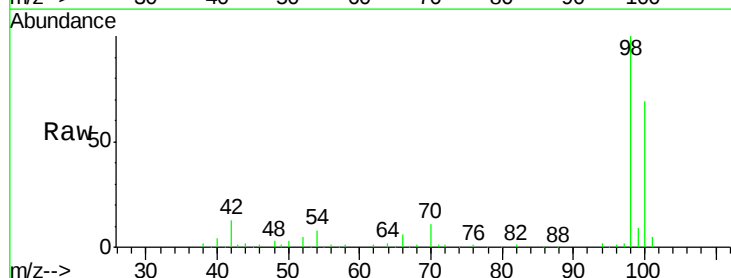
Manual Integrations
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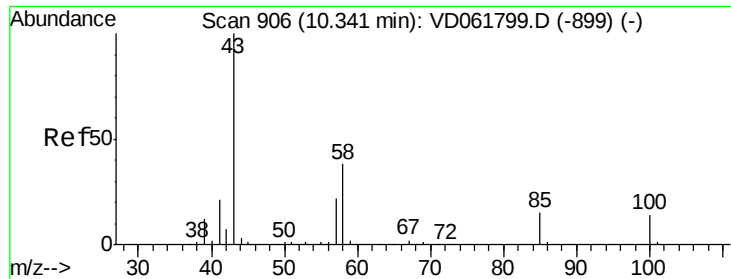
MMDadoda
4/16/2019 3:12:46 PM



#50
Toluene-d8
Concen: 873.061 ug/l
RT: 10.45 min Scan# 917
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	488830		
100	68.9	53.8	80.8	





#51

4-Methyl-2-Pentanone

Concen: 221.062 ug/l

RT: 10.35 min Scan# 906

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 678553

Ion Ratio Lower Upper

43 100

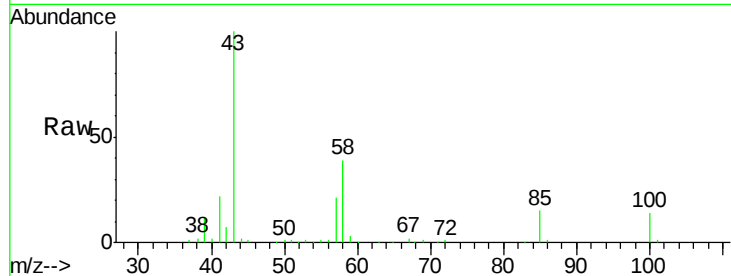
58 39.2 30.4 45.6

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

10.35

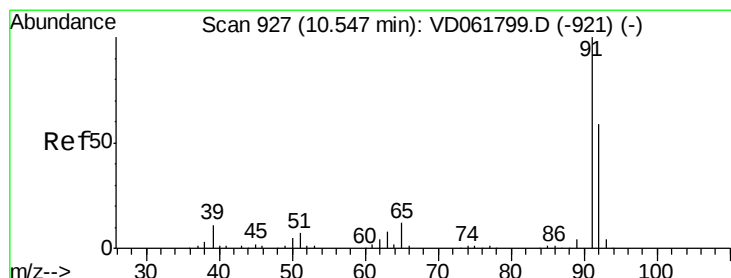
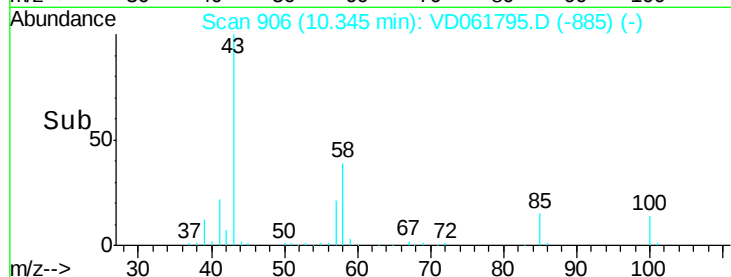
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#52

Toluene

Concen: 44.270 ug/l

RT: 10.55 min Scan# 927

Delta R.T. 0.00 min

Lab File: VD061795.D

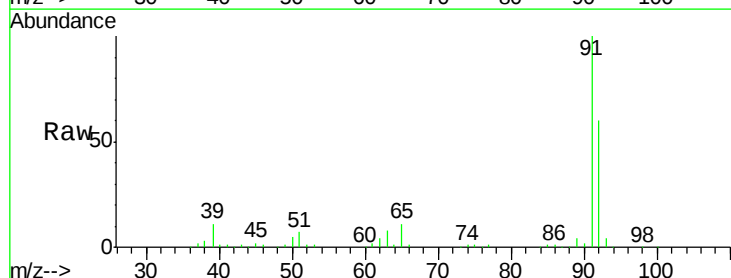
Acq: 15 Apr 2019 11:36

Tgt Ion: 92 Resp: 567610

Ion Ratio Lower Upper

92 100

91 167.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.55

500000

400000

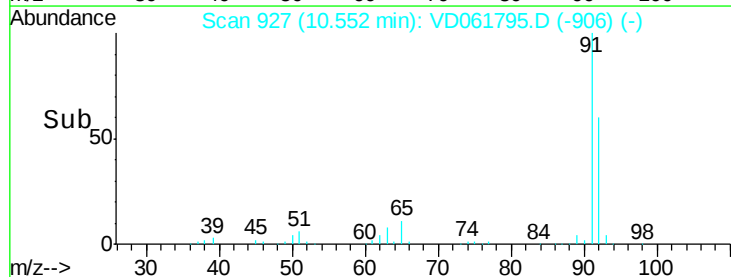
300000

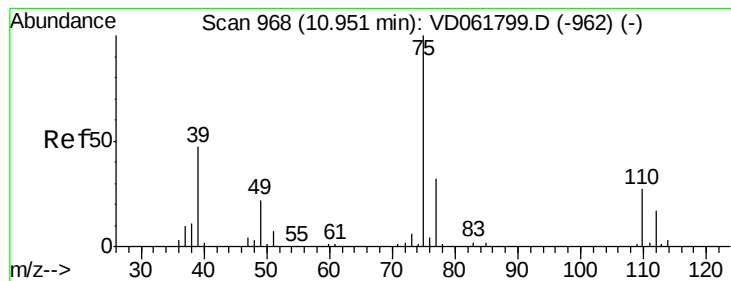
200000

100000

0

Time--> 10.40 10.50 10.60 10.70





#53

t-1,3-Dichloropropene

Concen: 42.269 ug/l

RT: 10.96 min Scan# 968

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 326288

Ion Ratio Lower Upper

75 100

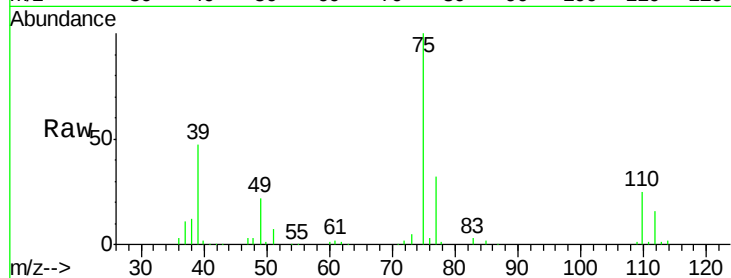
77 32.3 25.8 38.8

Manual Integrations

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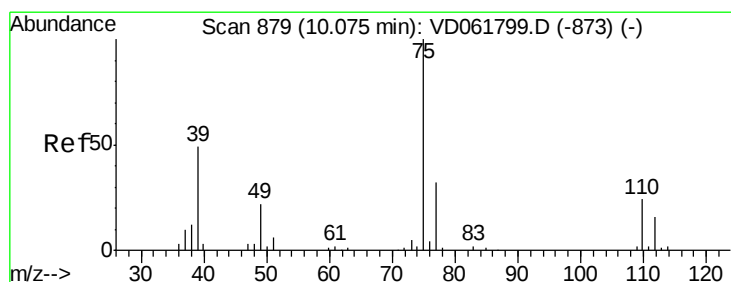
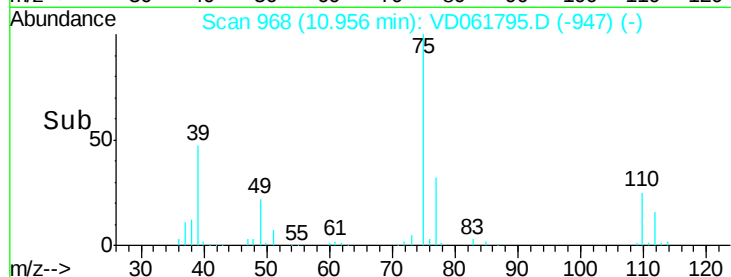
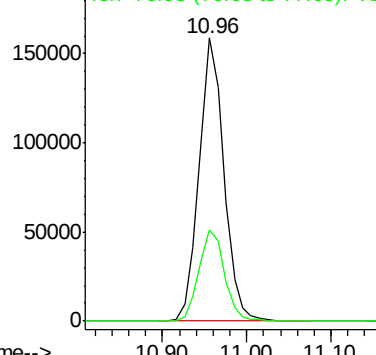
MMDadoda

4/16/2019 3:12:46 PM



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 41.342 ug/l

RT: 10.09 min Scan# 880

Delta R.T. 0.01 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

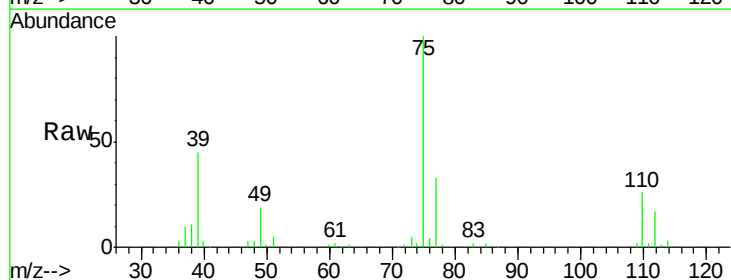
Tgt Ion: 75 Resp: 374613

Ion Ratio Lower Upper

75 100

77 32.8 25.5 38.3

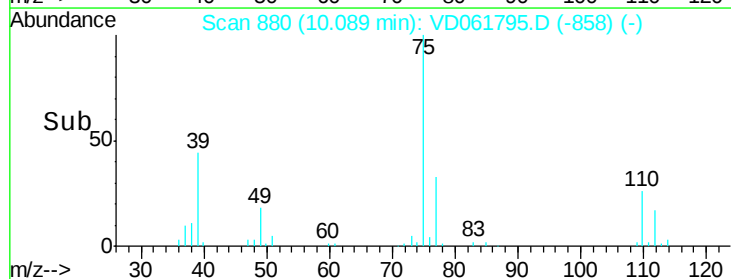
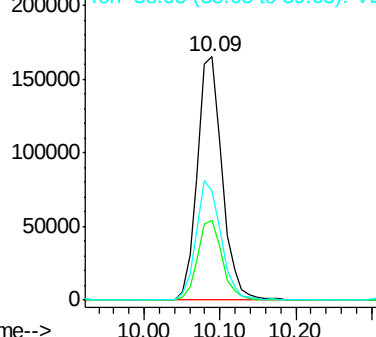
39 44.8 39.4 59.2

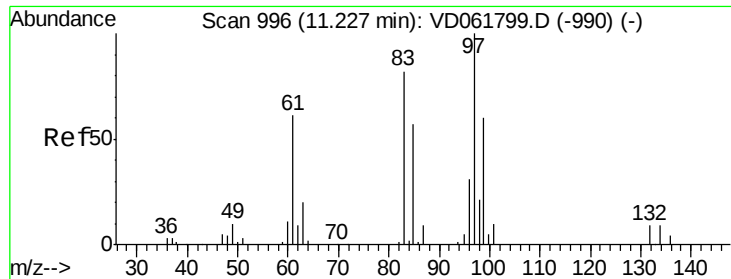


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





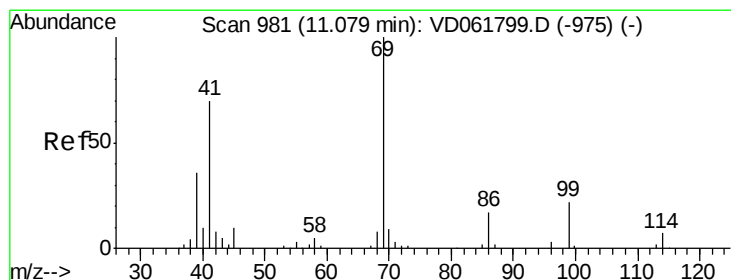
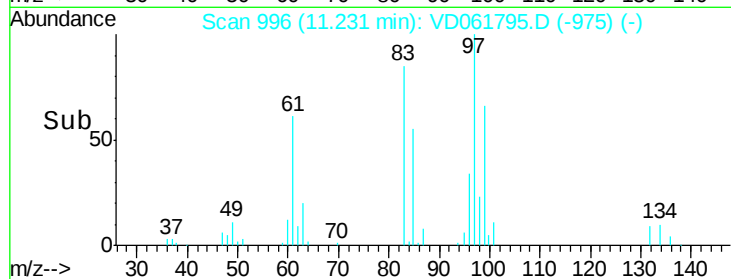
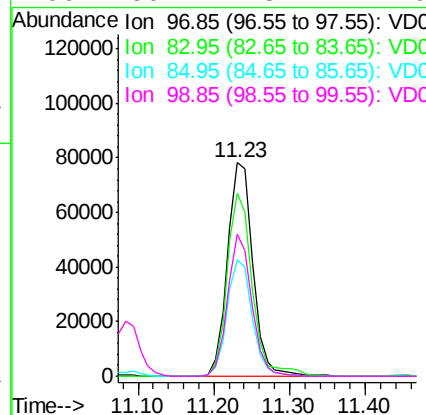
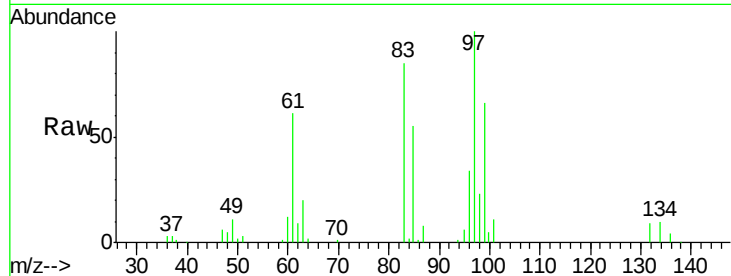
#55
 1,1,2-Trichloroethane
 Concen: 42.126 ug/l
 RT: 11.23 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	182000
Ion	Ratio	Lower	Upper
97	100		
83	85.5	65.7	98.5
85	54.7	45.6	68.4
99	66.4	48.4	72.6

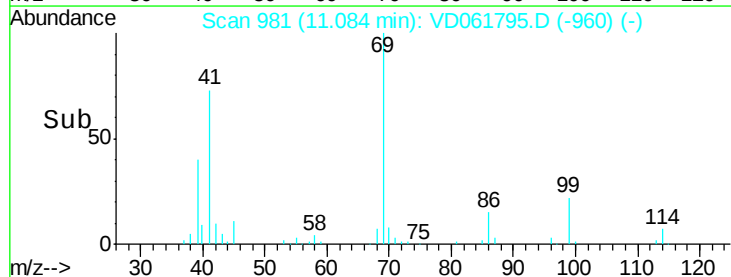
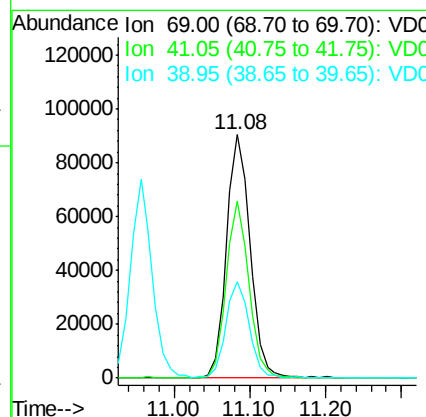
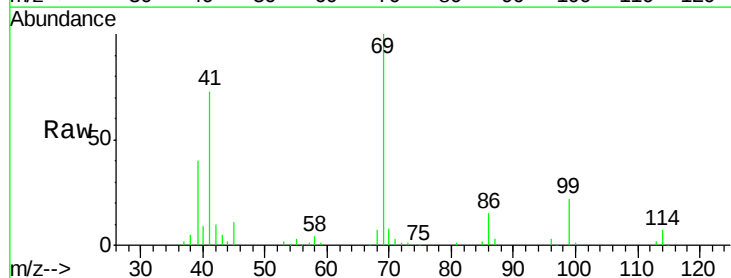
Manual Integrations
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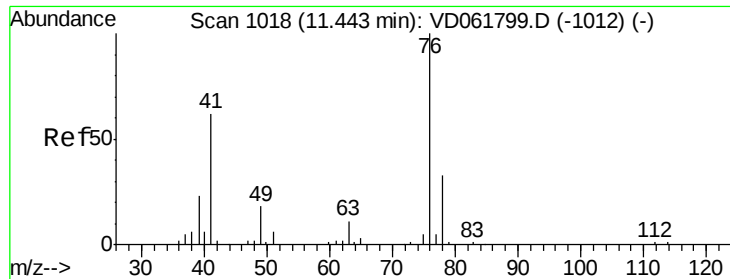
MMDadoda
 4/16/2019 3:12:46 PM



#56
 Ethyl methacrylate
 Concen: 41.305 ug/l
 RT: 11.08 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion:	69	Resp:	195861
Ion	Ratio	Lower	Upper
69	100		
41	72.8	56.3	84.5
39	39.6	29.4	44.2





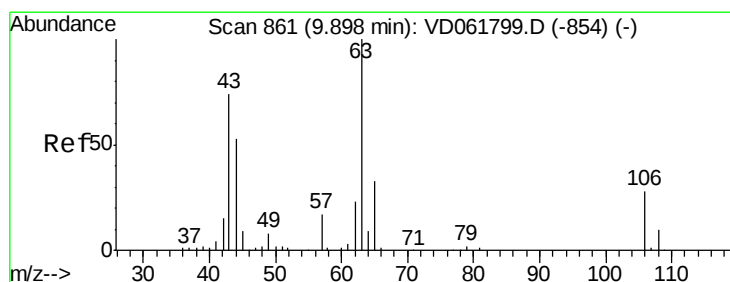
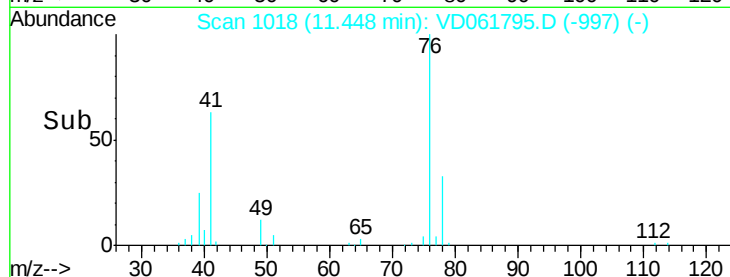
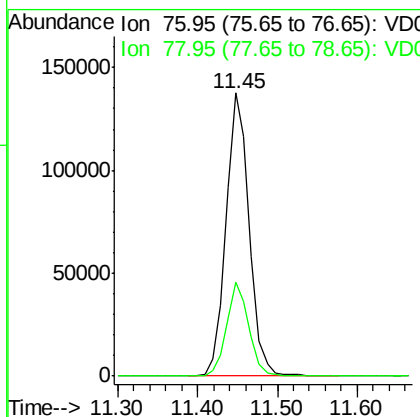
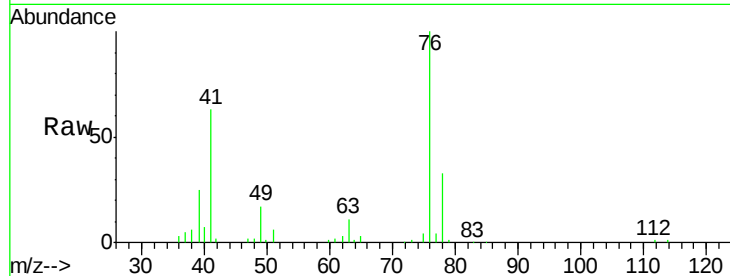
#57
 1,3-Dichloropropane
 Concen: 43.295 ug/l
 RT: 11.45 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 281206
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.2 39.2

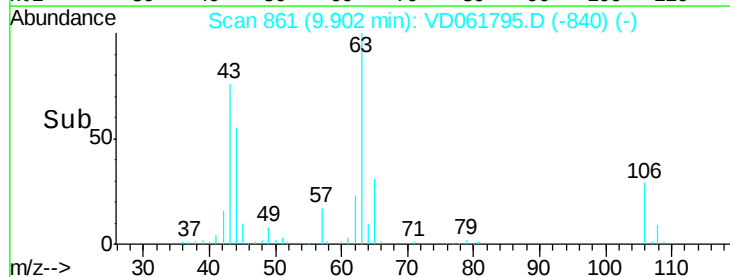
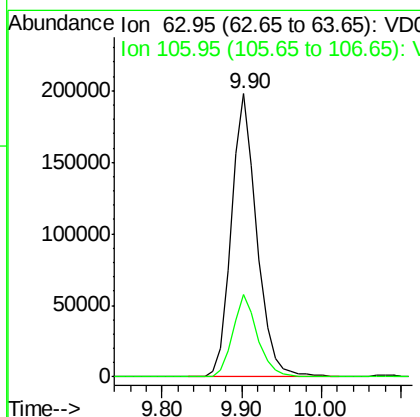
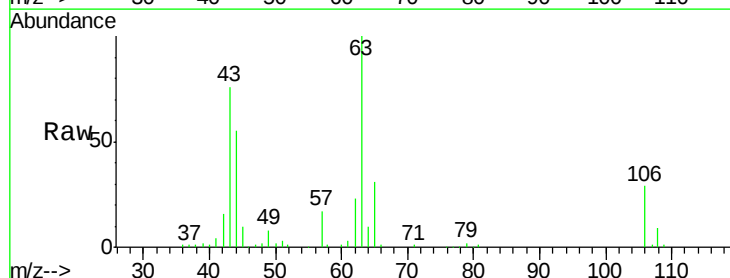
Manual Integrations
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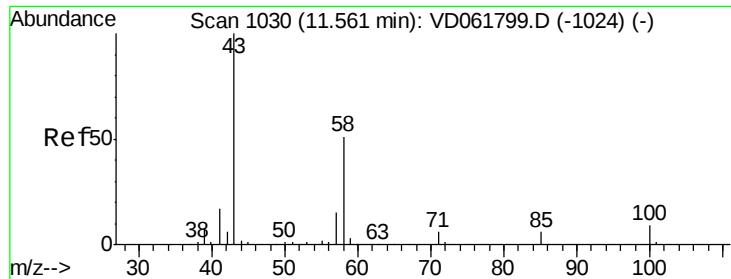
MMDadoda
 4/16/2019 3:12:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 195.217 ug/l
 RT: 9.90 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion: 63 Resp: 440292
 Ion Ratio Lower Upper
 63 100
 106 29.2 22.6 34.0





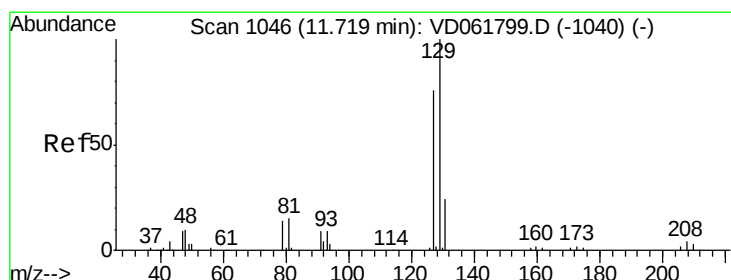
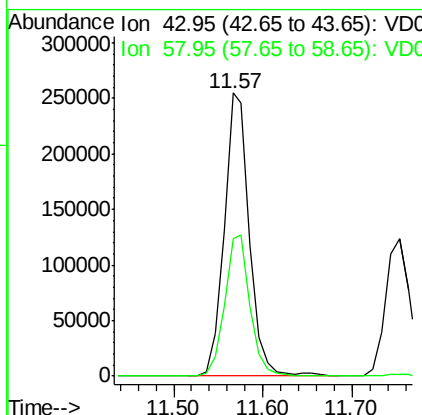
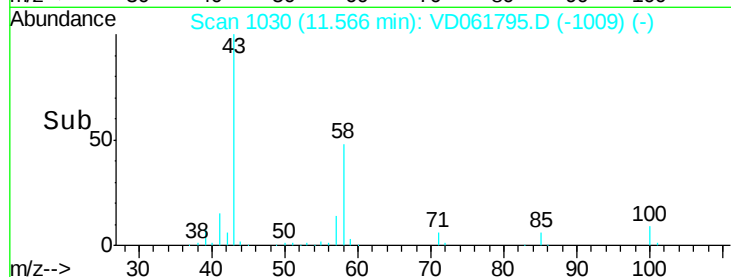
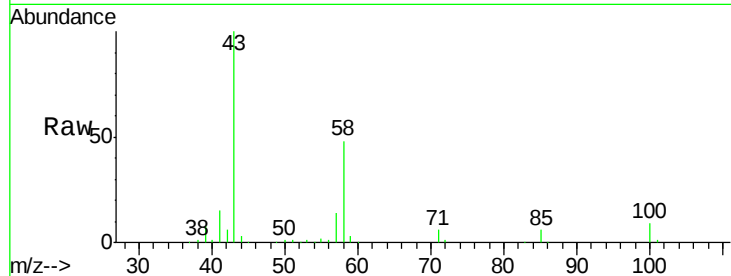
#59
2-Hexanone
Concen: 221.976 ug/l
RT: 11.57 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 506062
Ion Ratio Lower Upper
43 100
58 48.5 25.4 76.4

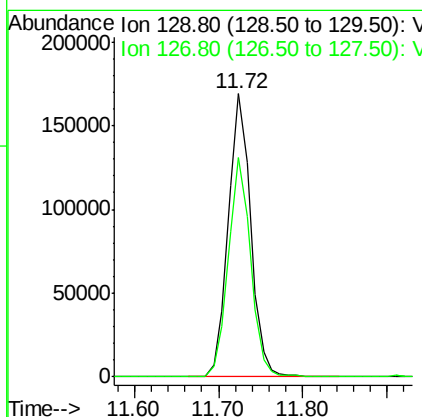
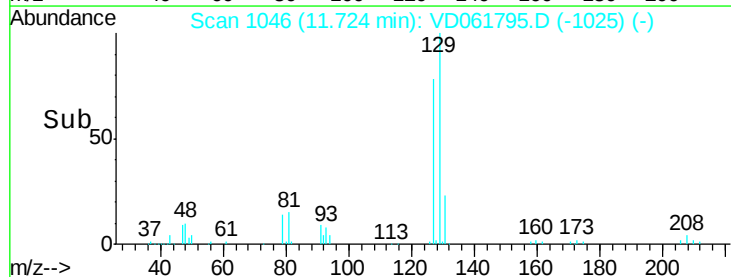
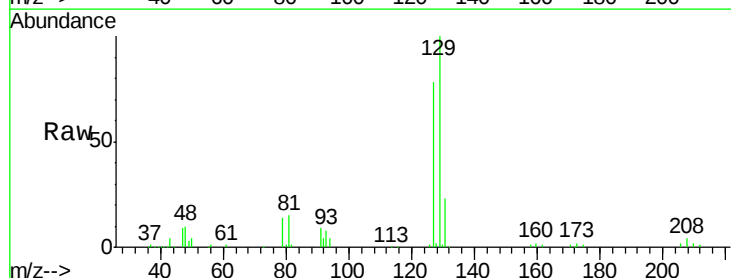
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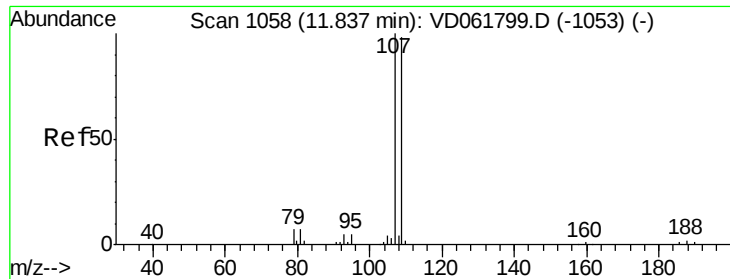
MMDadoda
4/16/2019 3:12:46 PM



#60
Dibromochloromethane
Concen: 44.433 ug/l
RT: 11.72 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion: 129 Resp: 314106
Ion Ratio Lower Upper
129 100
127 77.6 38.0 113.9





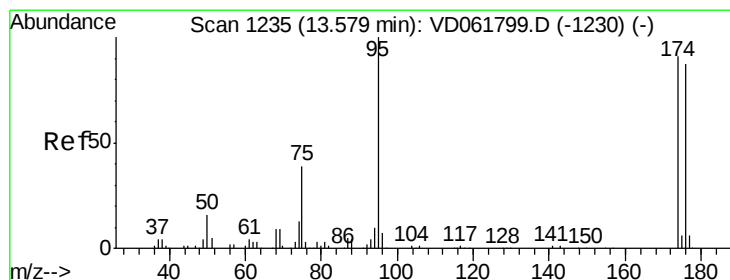
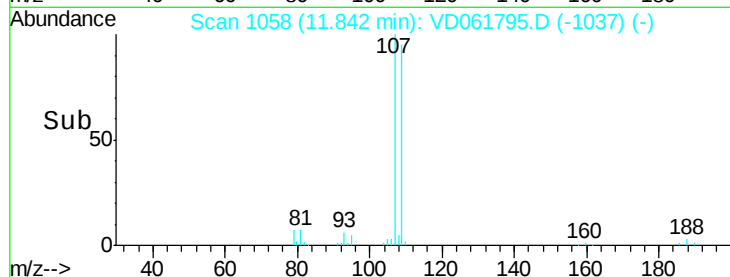
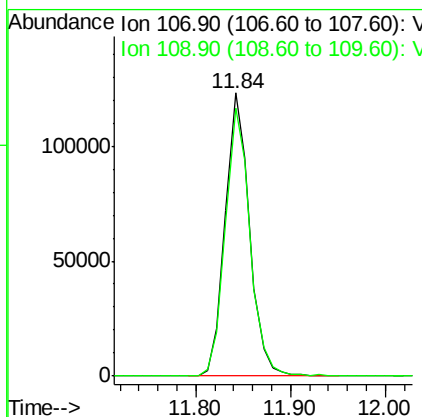
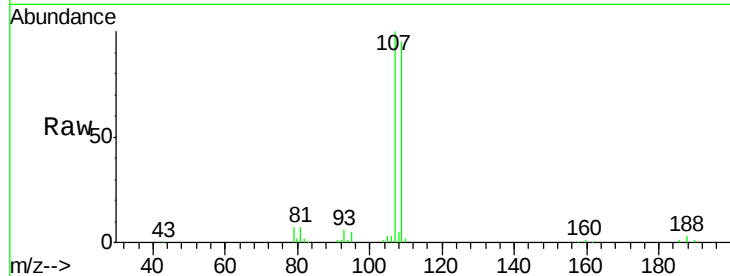
#61
 1,2-Dibromoethane
 Concen: 41.238 ug/l
 RT: 11.84 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	78.3	117.5

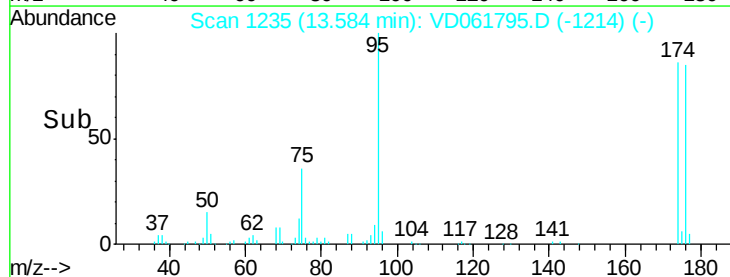
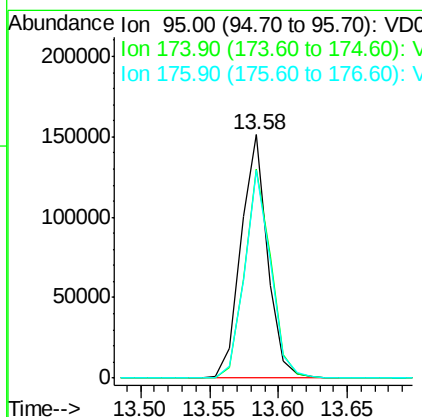
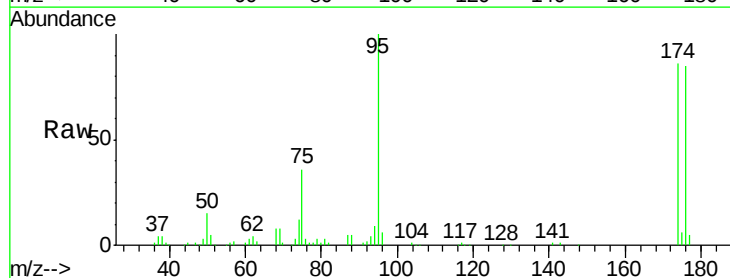
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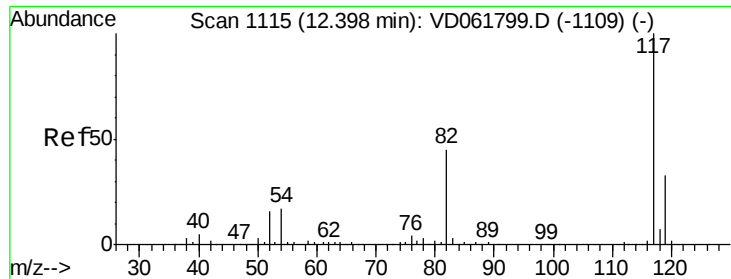
MMDadoda
 4/16/2019 3:12:46 PM



#62
 4-Bromofluorobenzene
 Concen: 41.238 ug/l
 RT: 13.58 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	181.8
176	85.3	0.0	174.4





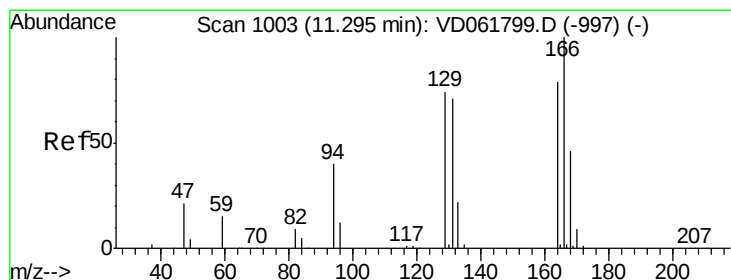
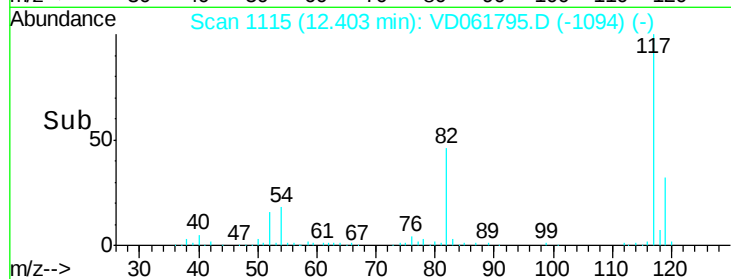
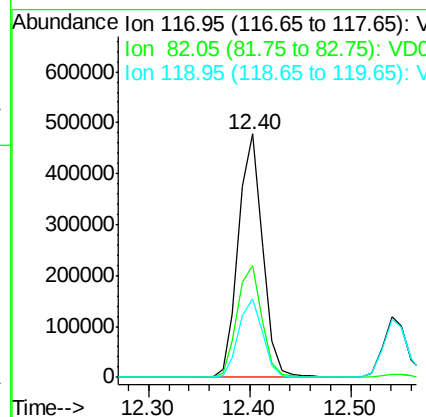
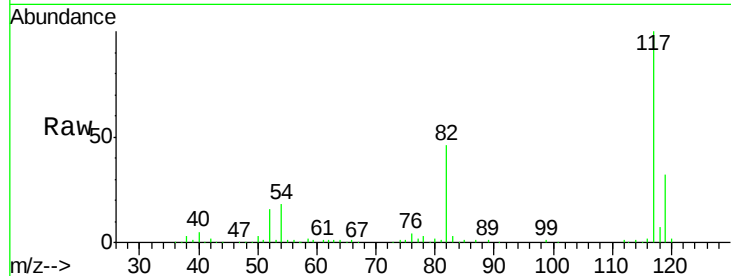
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	46.0	36.2	54.2
119	32.4	26.2	39.4

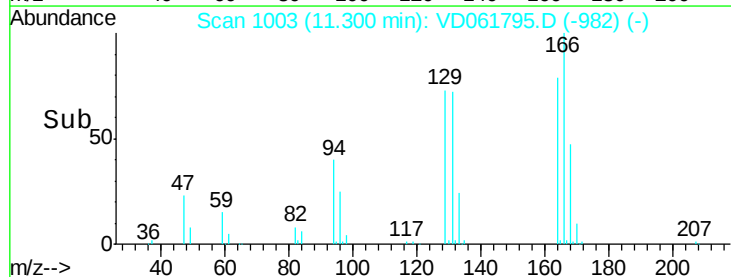
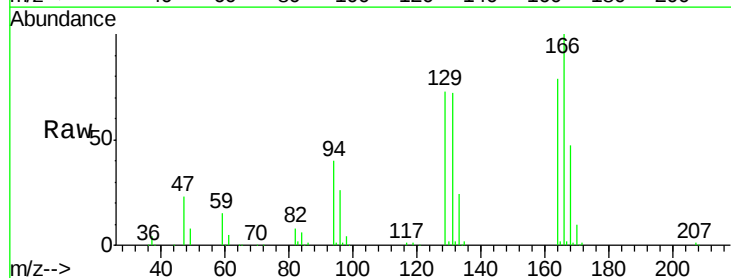
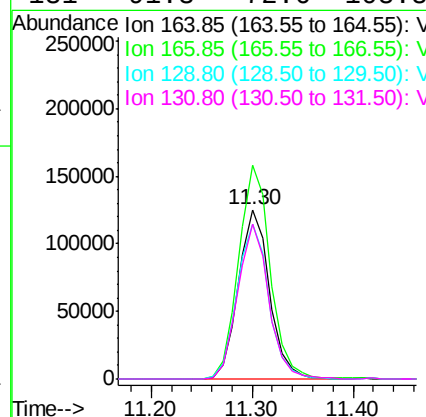
Manual Integrations
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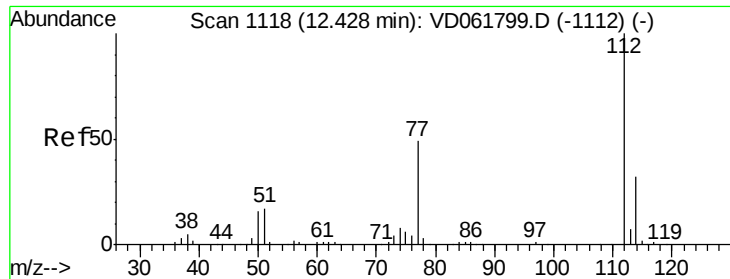
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#64
Tetrachloroethene
Concen: 45.180 ug/l
RT: 11.30 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	101.5	152.3
129	91.5	74.6	112.0
131	91.3	72.6	108.8





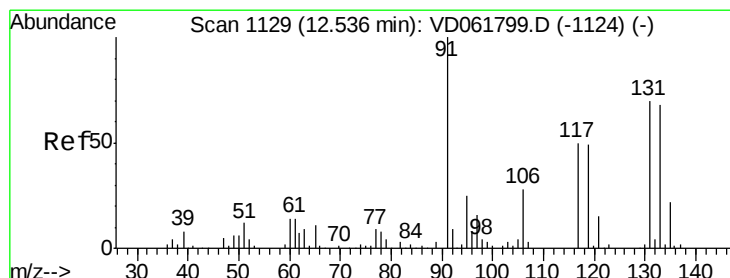
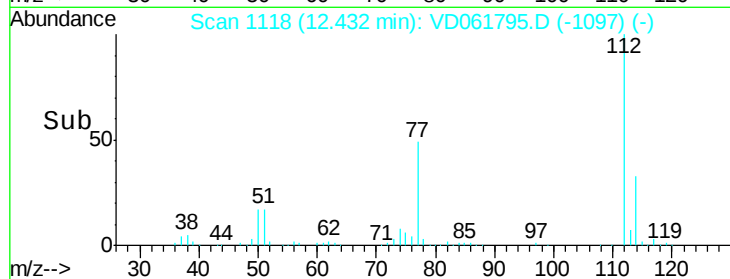
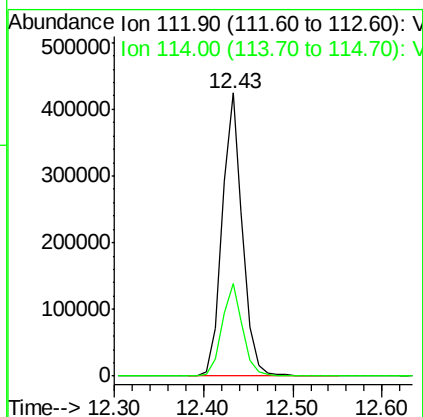
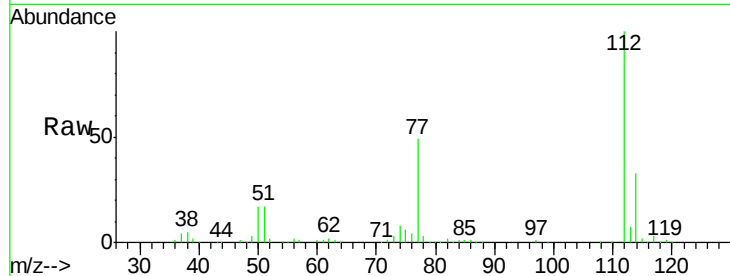
#65
Chlorobenzene
Concen: 45.695 ug/l
RT: 12.43 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 676012
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.8

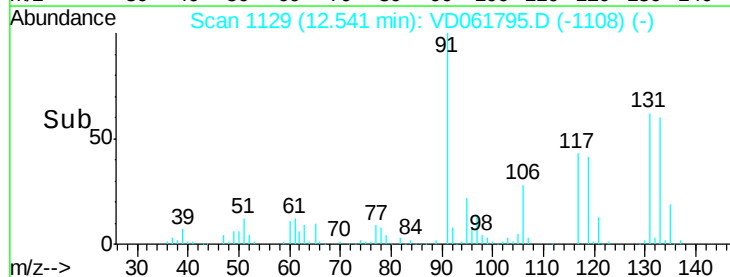
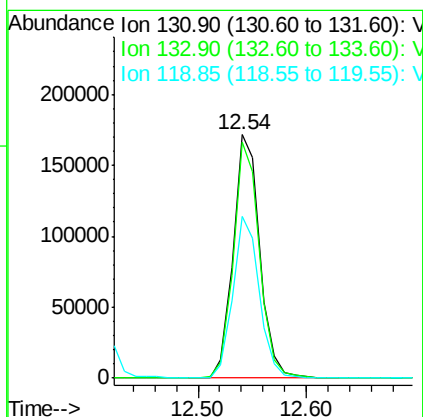
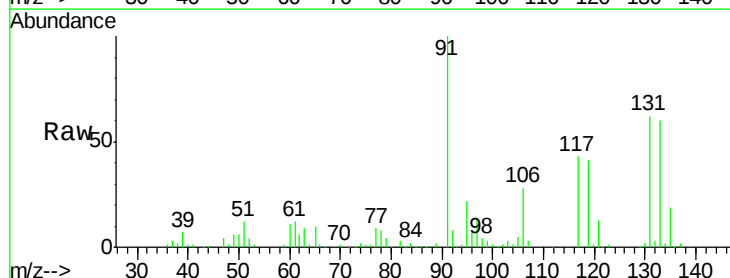
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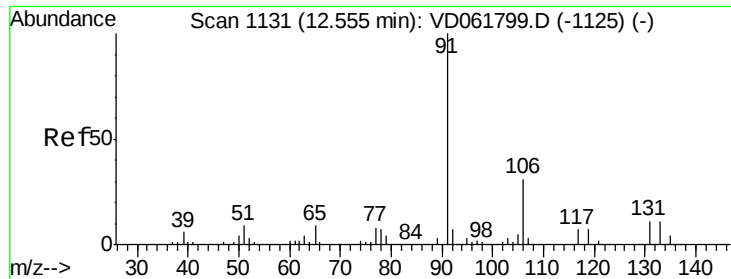
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.118 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion:131 Resp: 292118
Ion Ratio Lower Upper
131 100
133 96.8 48.6 145.8
119 66.4 34.7 104.1





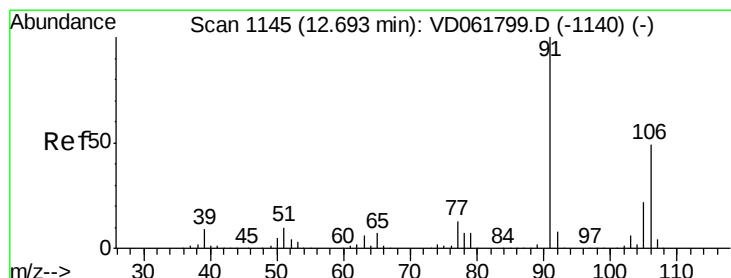
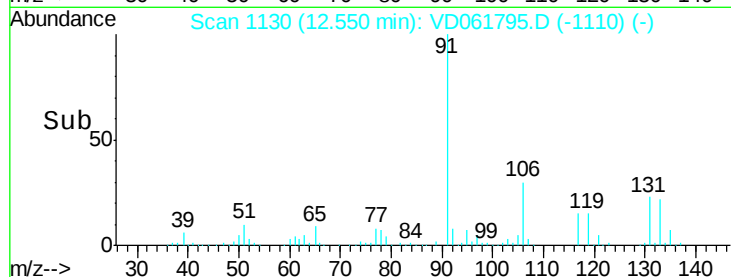
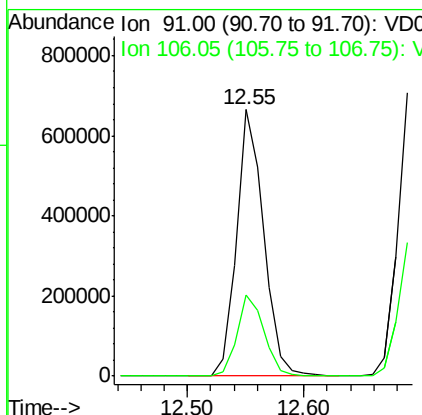
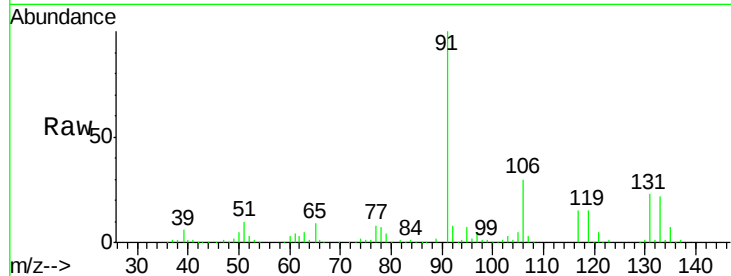
#67
Ethyl Benzene
Concen: 44.909 ug/l
RT: 12.55 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1063976
Ion Ratio Lower Upper
91 100
106 30.5 24.7 37.1

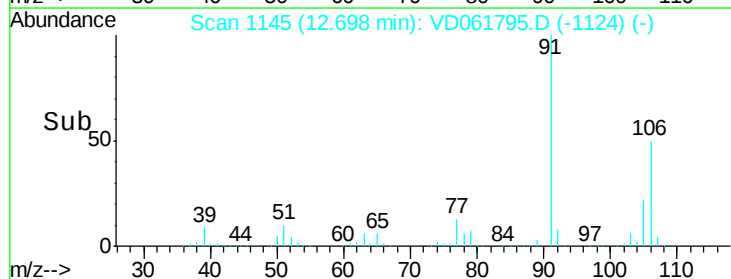
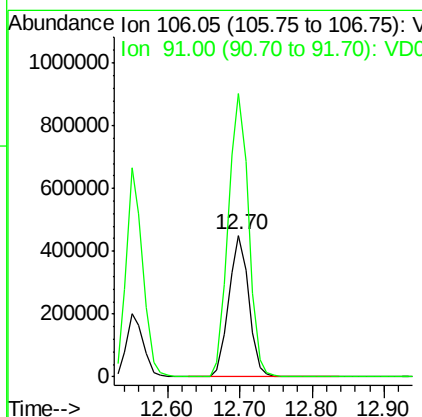
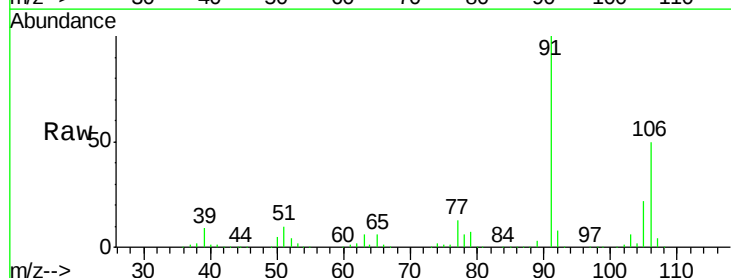
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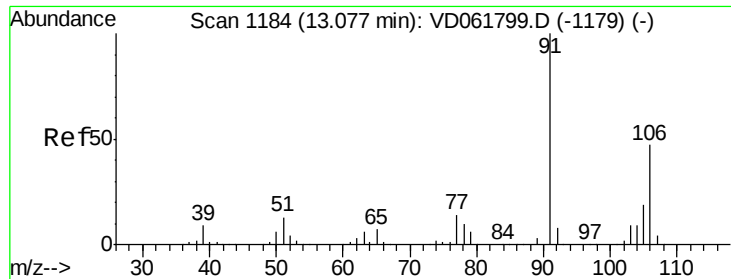
MMDadoda
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#68
m/p-Xylenes
Concen: 97.504 ug/l
RT: 12.70 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion: 106 Resp: 867727
Ion Ratio Lower Upper
106 100
91 199.9 164.0 246.0





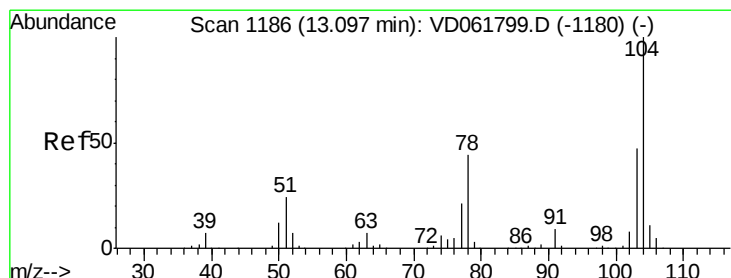
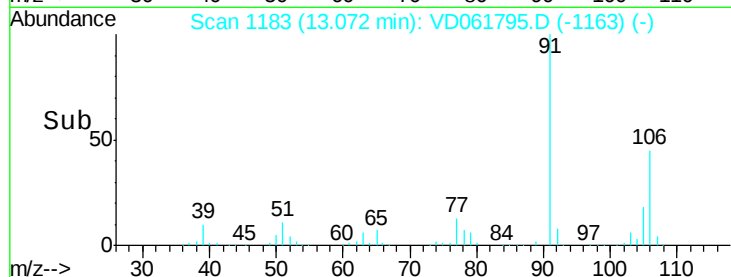
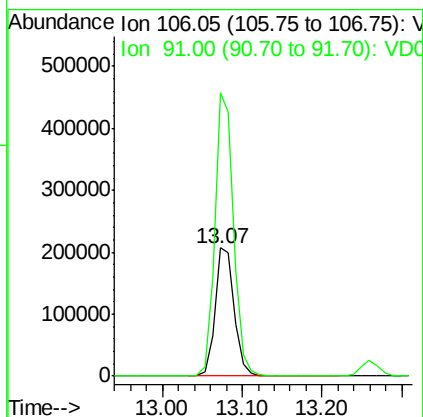
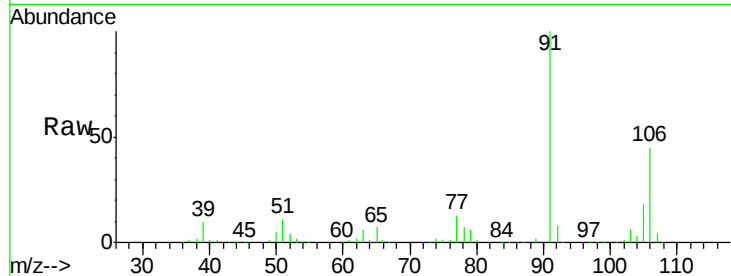
#69
o-Xylene
Concen: 41.592 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 347905
Ion Ratio Lower Upper
106 100
91 221.2 106.7 319.9

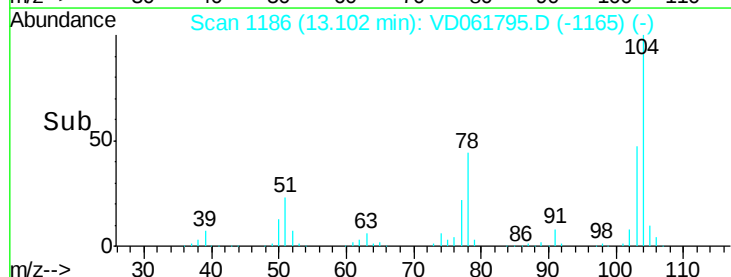
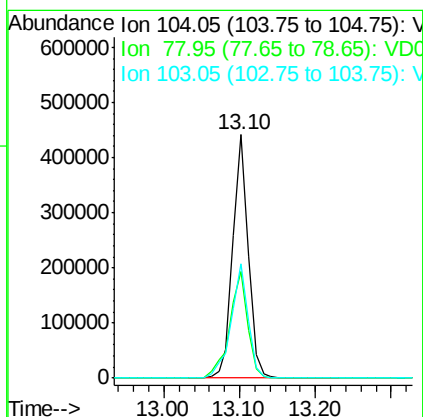
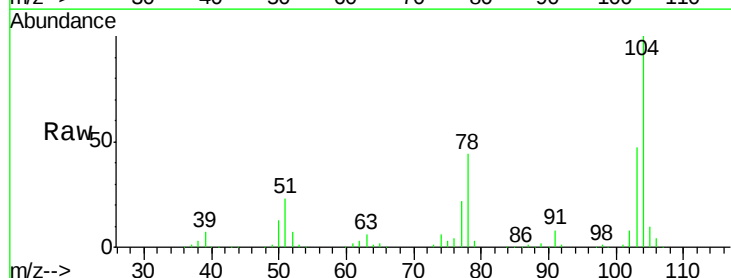
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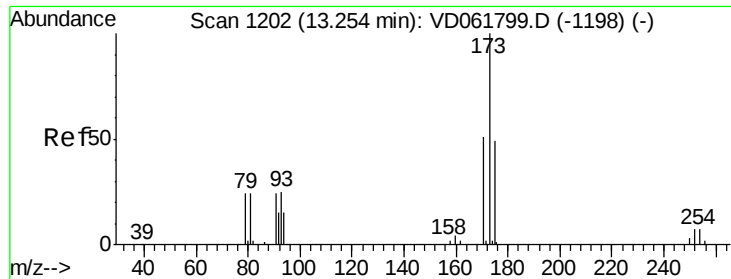
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#70
Styrene
Concen: 43.021 ug/l
RT: 13.10 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion:104 Resp: 619267
Ion Ratio Lower Upper
104 100
78 43.9 35.4 53.2
103 46.8 37.5 56.3





#71

Bromoform

Concen: 45.781 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

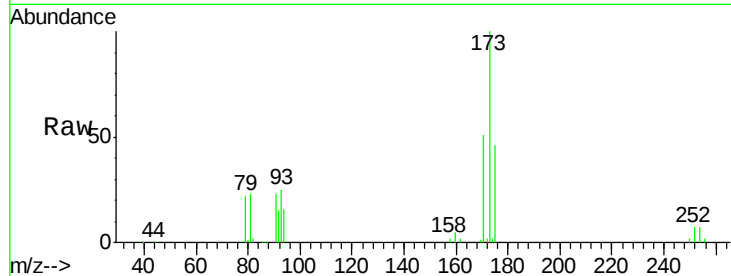
ClientSampleId :

VSTDCCC050

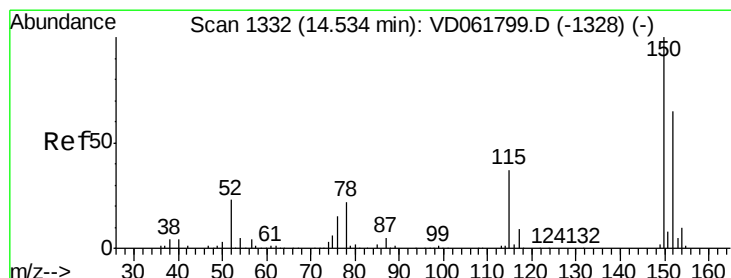
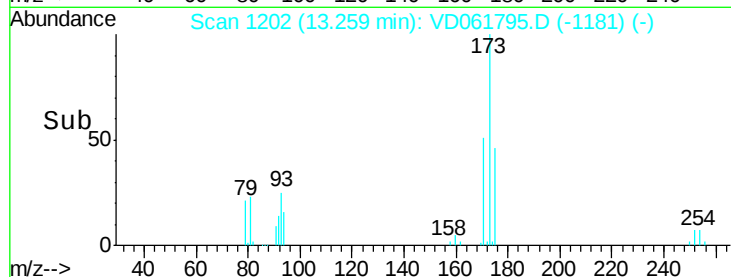
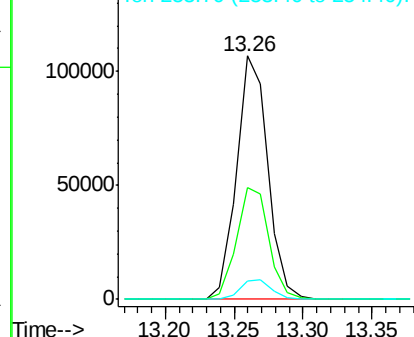
Tot Ion:	173	Resp:	168475
Ion Ratio	Lower	Upper	
173	100		
175	45.7	24.4	73.4
254	7.4	5.4	8.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

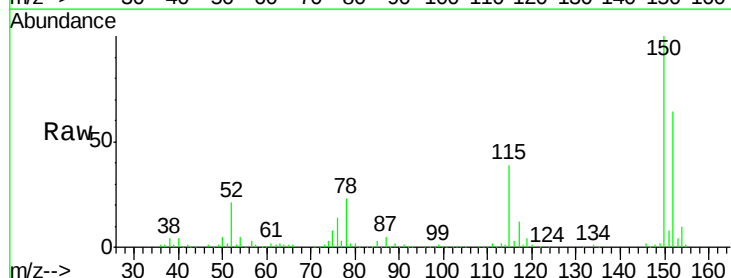
RT: 14.54 min Scan# 1332

Delta R.T. 0.00 min

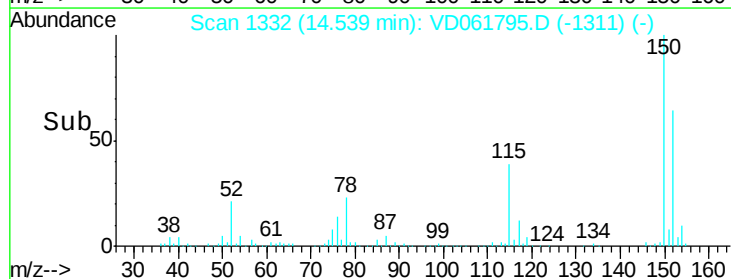
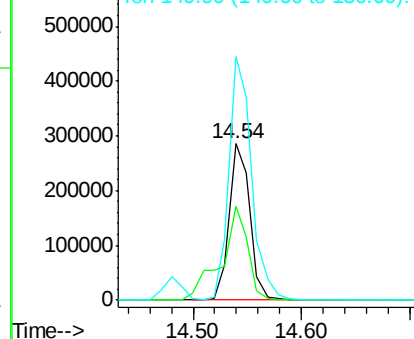
Lab File: VD061795.D

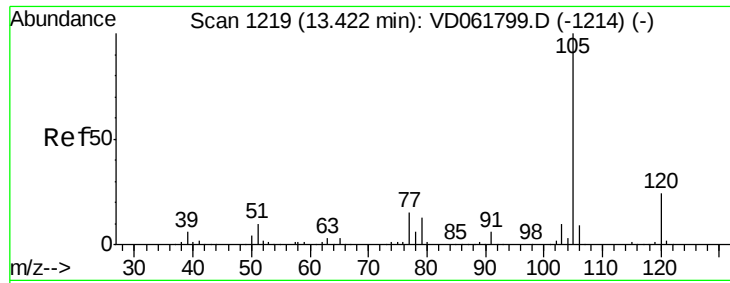
Acq: 15 Apr 2019 11:36

Tgt Ion:	152	Resp:	377224
Ion Ratio	Lower	Upper	
152	100		
115	60.2	30.9	92.7
150	155.7	0.0	314.8



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





#73

Isopropylbenzene

Concen: 44.098 ug/l

RT: 13.43 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1078825

Ion Ratio Lower Upper

105 100

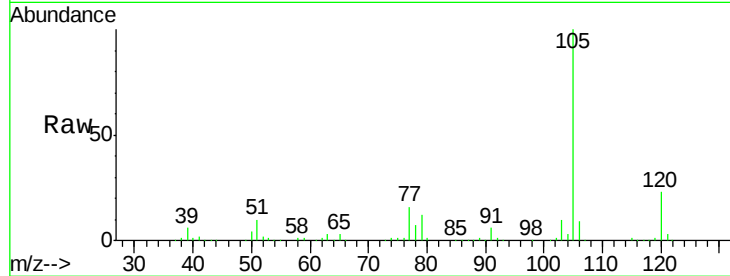
120 23.4 12.0 36.1

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.43

800000

600000

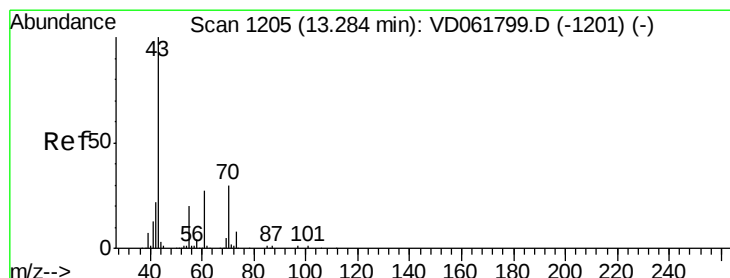
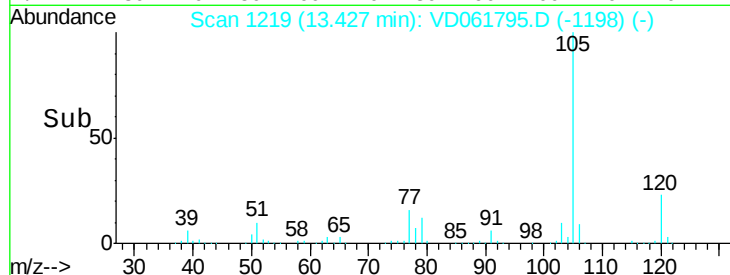
400000

200000

0

13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 42.353 ug/l

RT: 13.29 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Tgt Ion: 43 Resp: 278624

Ion Ratio Lower Upper

43 100

70 32.6 24.2 36.4

55 19.1 16.0 24.0

61 25.4 21.6 32.4

Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

300000

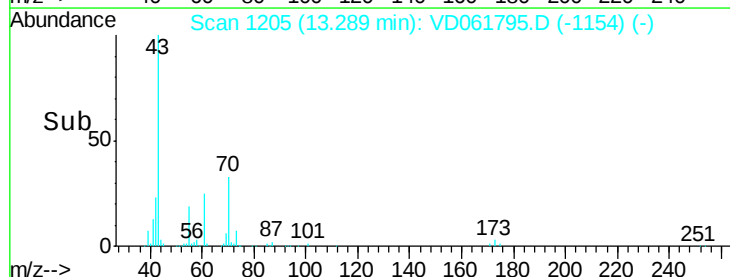
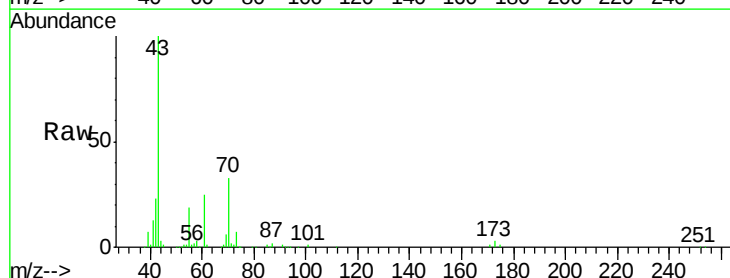
200000

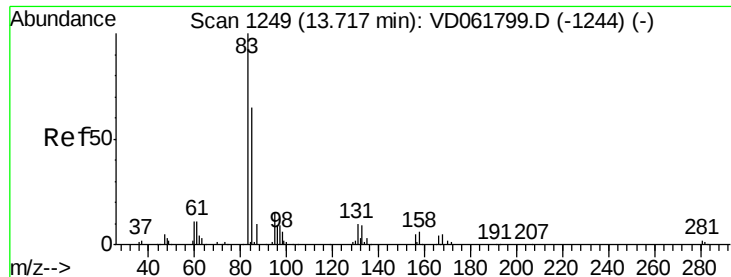
100000

0

13.20 13.30 13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 38.605 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

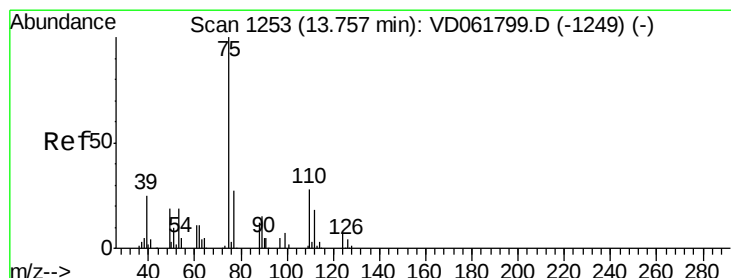
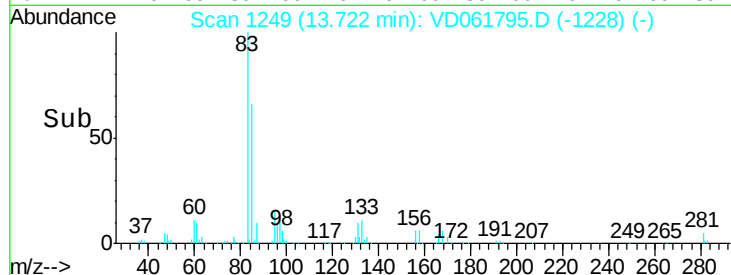
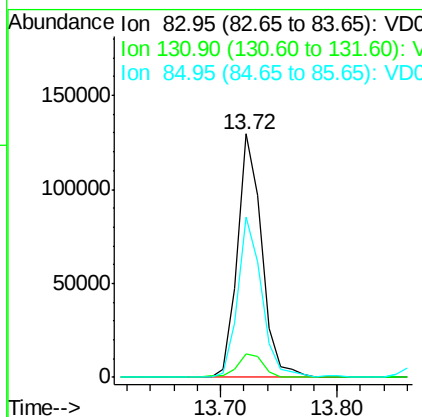
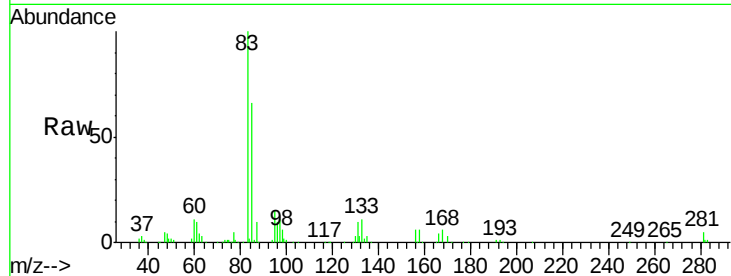
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	186687
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.0	14.9
85	65.8	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.230 ug/l

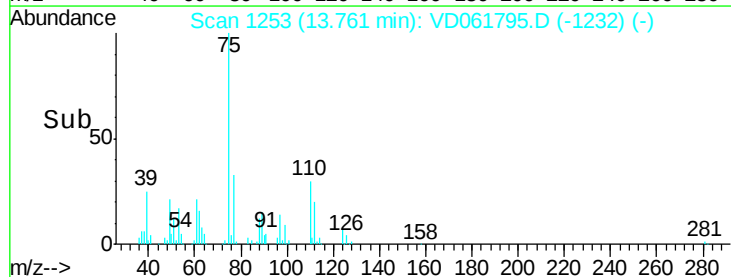
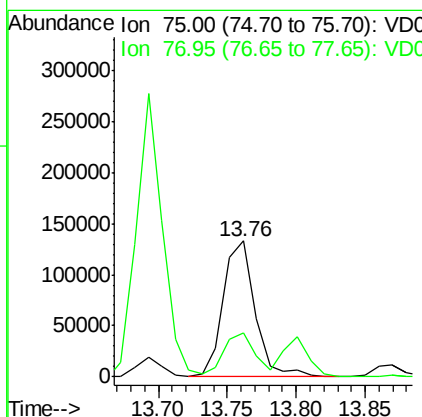
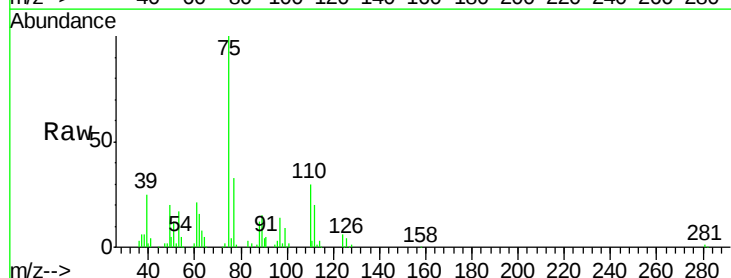
RT: 13.76 min Scan# 1253

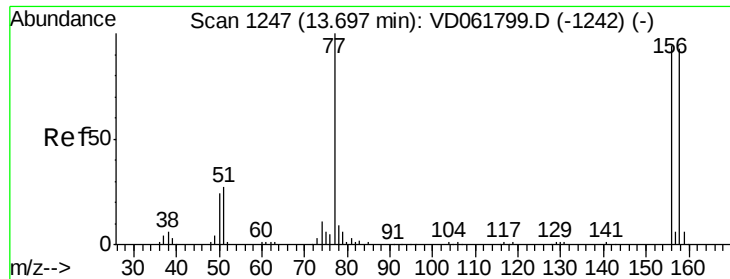
Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Tgt Ion:	75	Resp:	214160
Ion Ratio	Lower	Upper	
75	100		
77	32.8	16.4	49.4





#77

Bromobenzene

Concen: 42.842 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

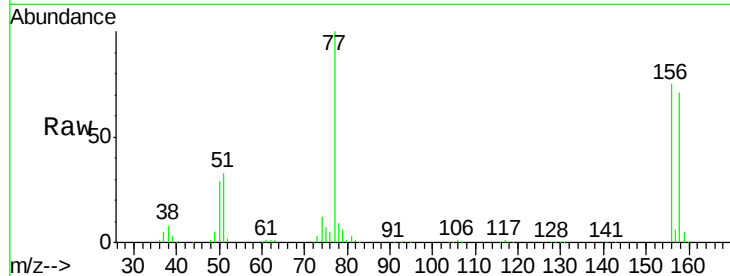
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	132.8	53.1	159.4
158	93.9	49.4	148.0

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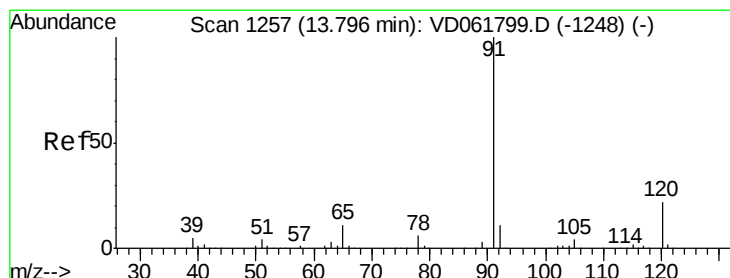
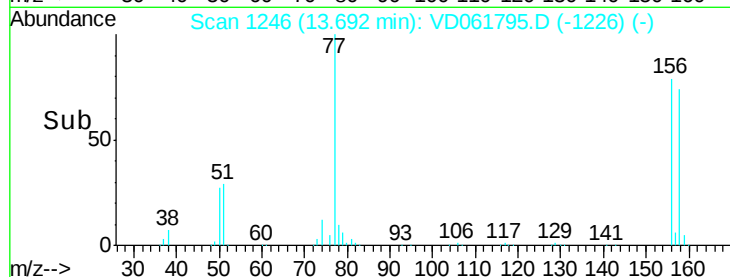
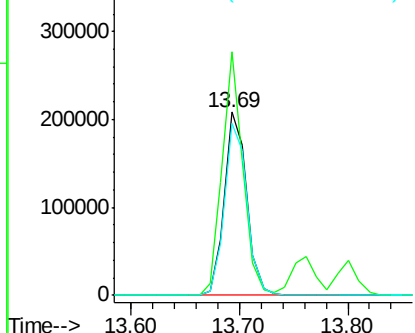
MMDadoda
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 48.322 ug/l

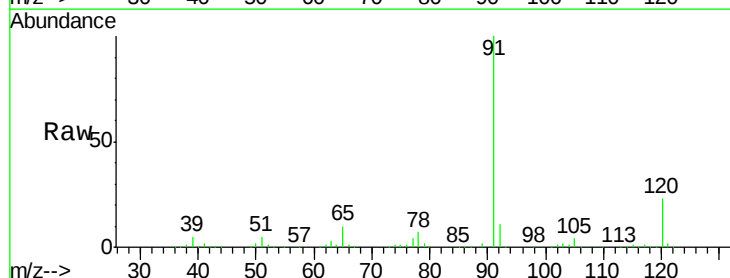
RT: 13.80 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VD061795.D

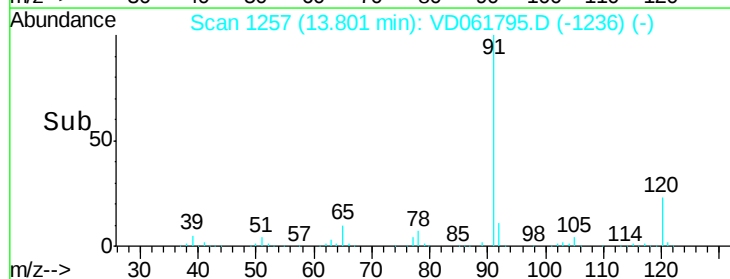
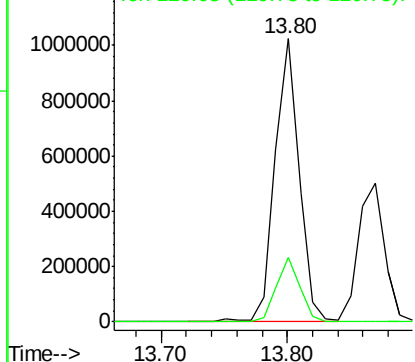
Acq: 15 Apr 2019 11:36

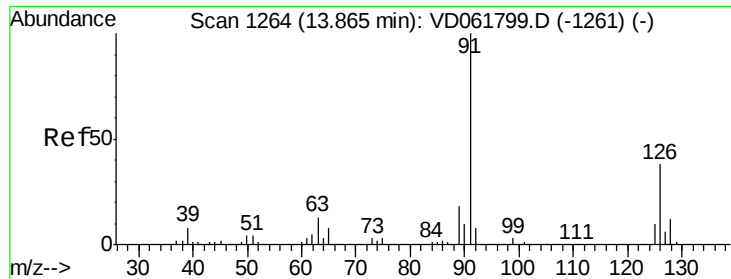
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 43.920 ug/l

RT: 13.87 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 725185

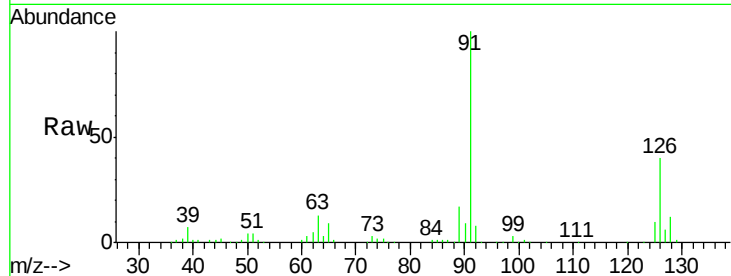
Ion Ratio Lower Upper

91 100

126 40.0 18.6 55.8

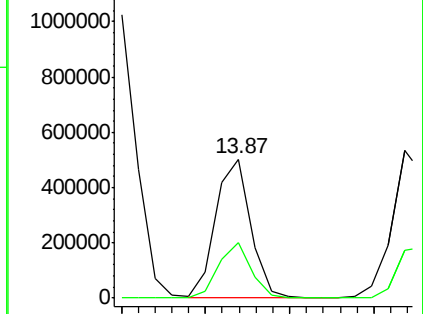
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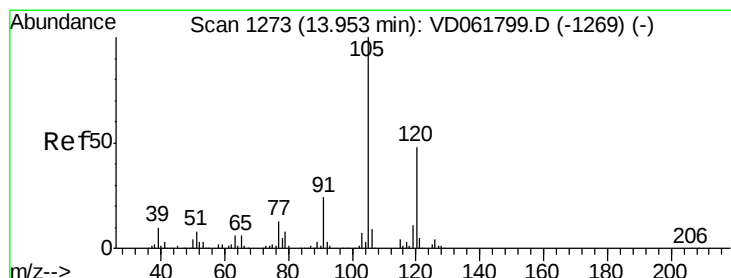
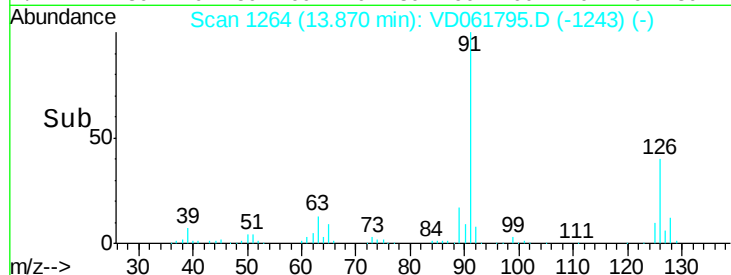


Abundance Ion 91.00 (90.70 to 91.70): VD061799.D (-1261) (-)

Ion 125.95 (125.65 to 126.65): VD061799.D (-1261) (-)



Time--> 13.80 13.85 13.90 13.95



#80

1,3,5-Trimethylbenzene

Concen: 44.291 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD061795.D

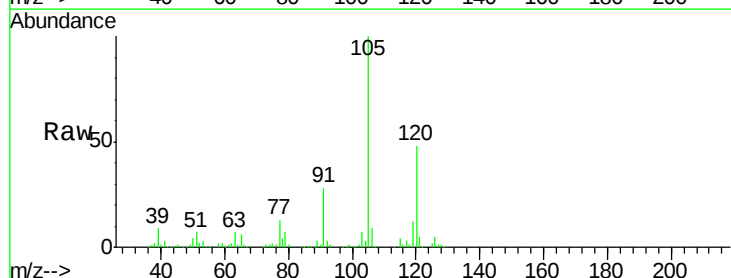
Acq: 15 Apr 2019 11:36

Tgt Ion: 105 Resp: 859749

Ion Ratio Lower Upper

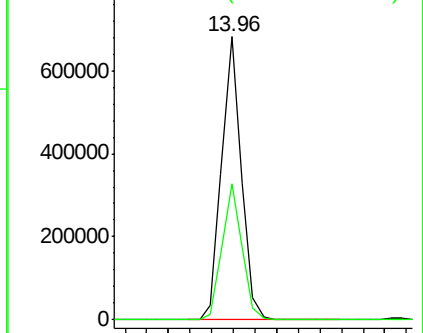
105 100

120 48.0 24.0 72.0

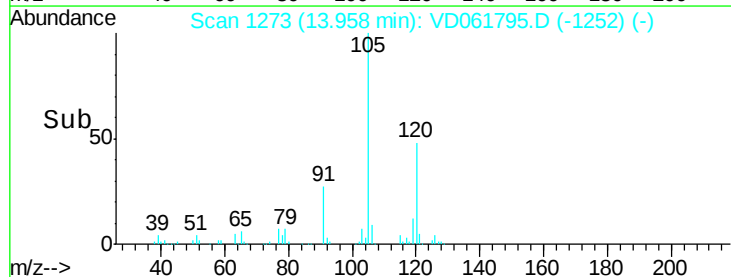


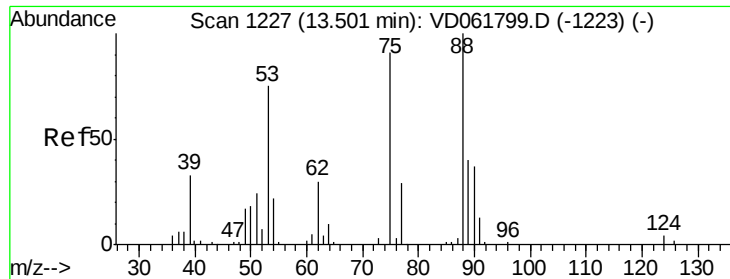
Abundance Ion 105.05 (104.75 to 105.75): VD061799.D (-1269) (-)

Ion 120.05 (119.75 to 120.75): VD061799.D (-1269) (-)



Time--> 13.90 14.00 14.10





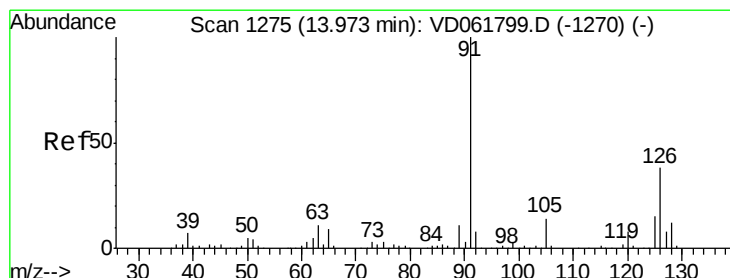
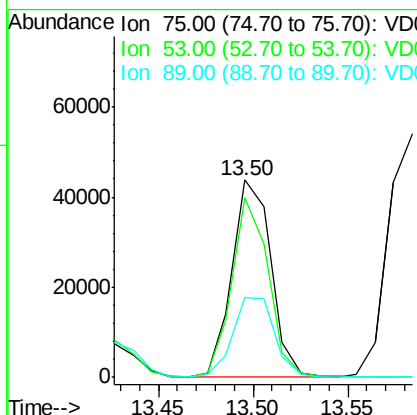
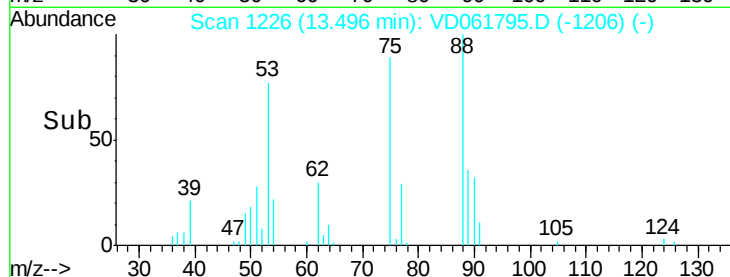
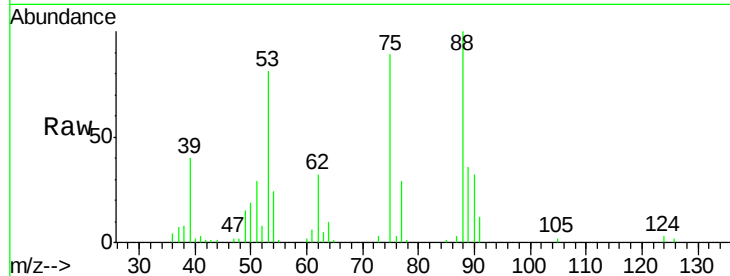
#81
trans-1,4-Dichloro-2-butene
Concen: 39.620 ug/l
RT: 13.50 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.9	65.8	98.8
89	40.7	35.0	52.6

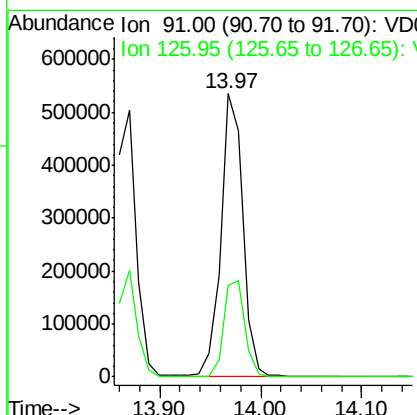
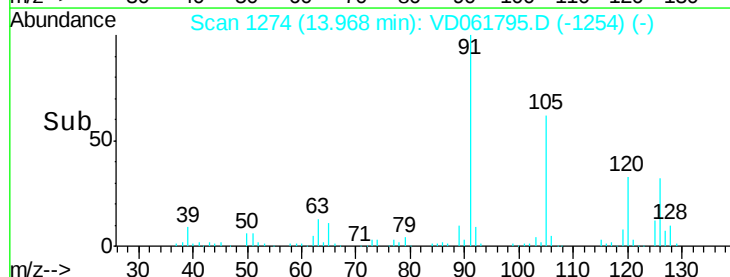
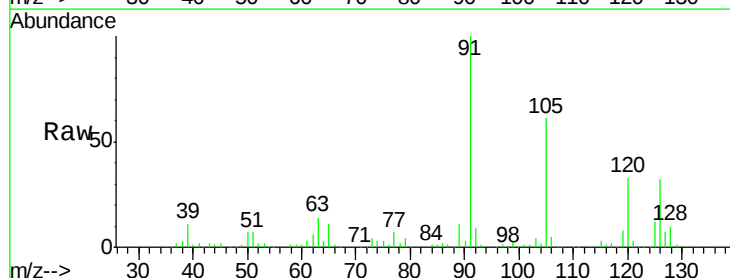
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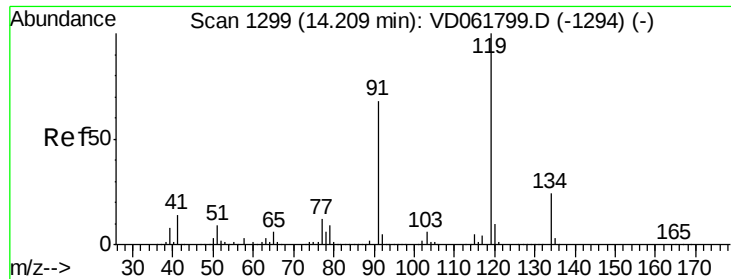
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#82
4-Chlorotoluene
Concen: 42.754 ug/l
RT: 13.97 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	19.1	57.5





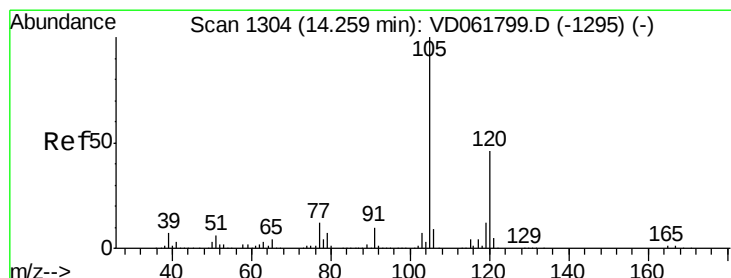
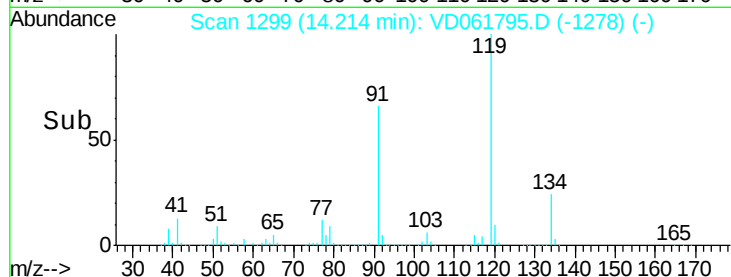
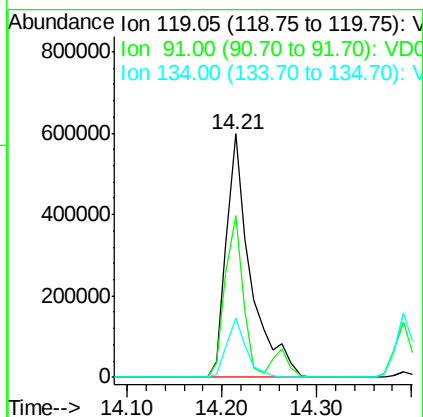
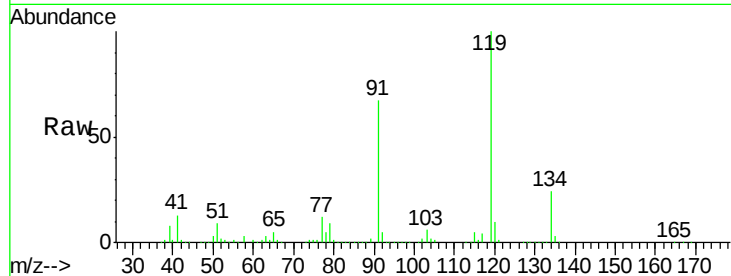
#83
 tert-Butylbenzene
 Concen: 46.762 ug/l
 RT: 14.21 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1065826
 Ion Ratio Lower Upper
 119 100
 91 66.6 34.2 102.6
 134 24.2 12.0 36.0

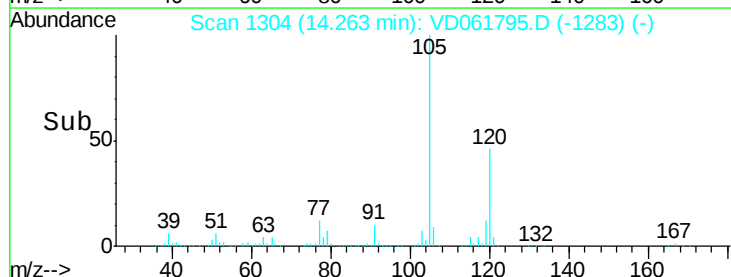
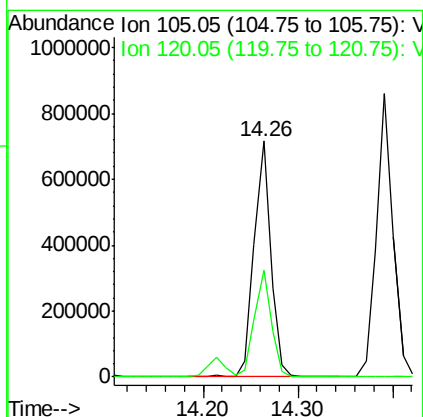
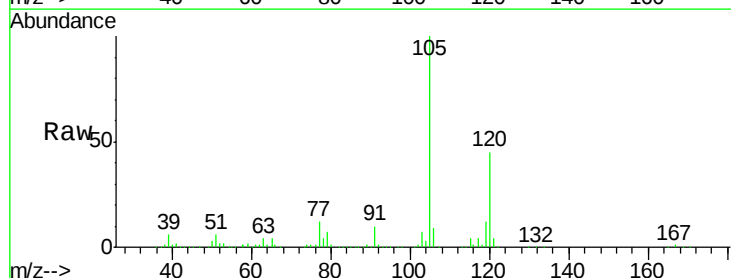
Manual Integrations
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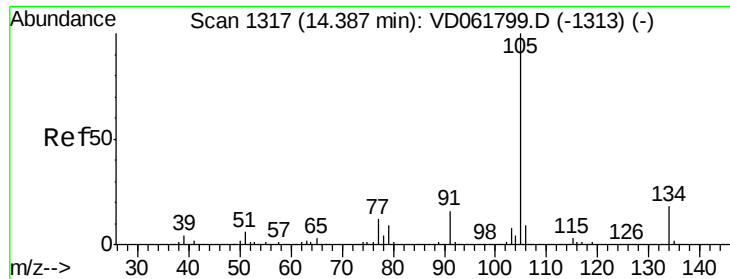
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#84
 1,2,4-Trimethylbenzene
 Concen: 45.302 ug/l
 RT: 14.26 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion:105 Resp: 883955
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.1 69.2





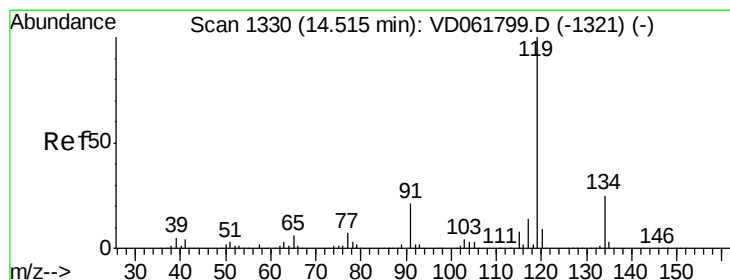
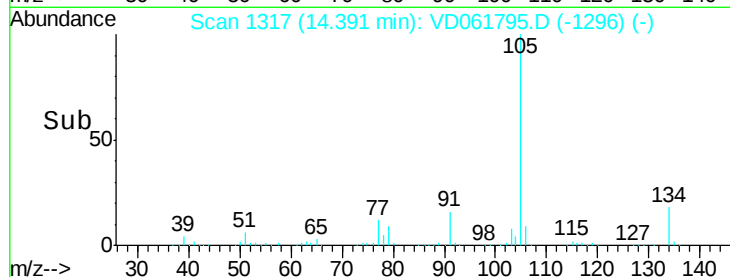
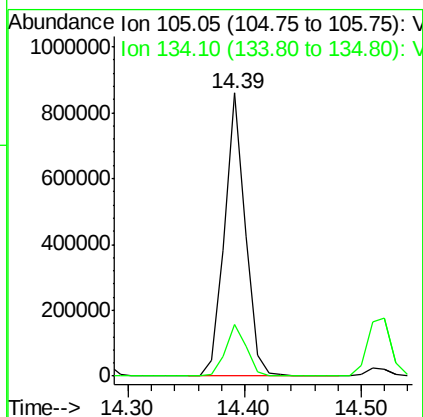
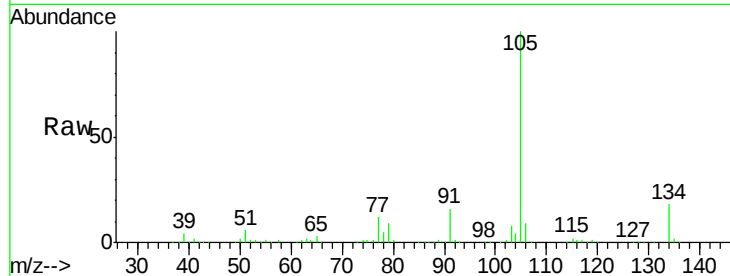
#85
 sec-Butylbenzene
 Concen: 44.975 ug/l
 RT: 14.39 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1059723
 Ion Ratio Lower Upper
 105 100
 134 18.3 8.9 26.7

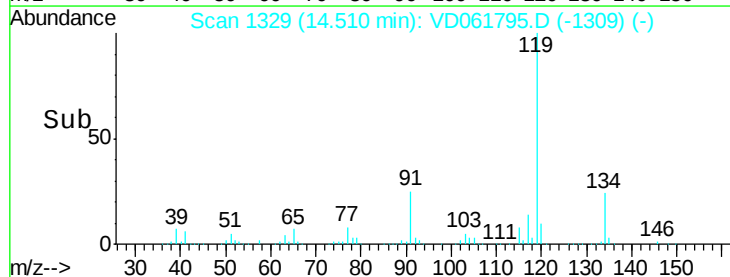
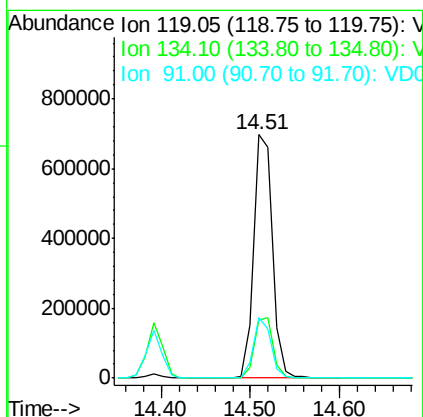
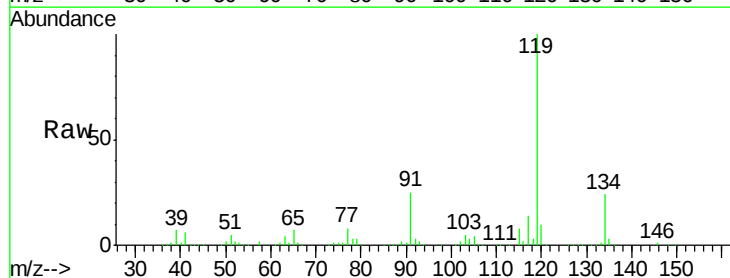
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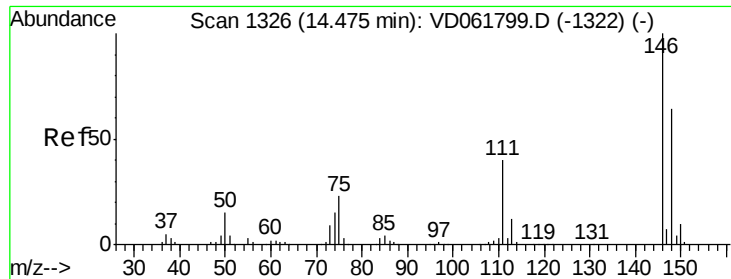
MMDadoda
 4/16/2019 3:12:46 PM



#86
 p-Isopropyltoluene
 Concen: 45.459 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion:119 Resp: 1002184
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.8 38.3
 91 24.8 10.7 32.1





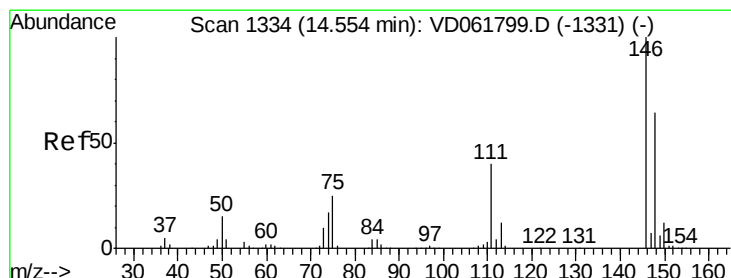
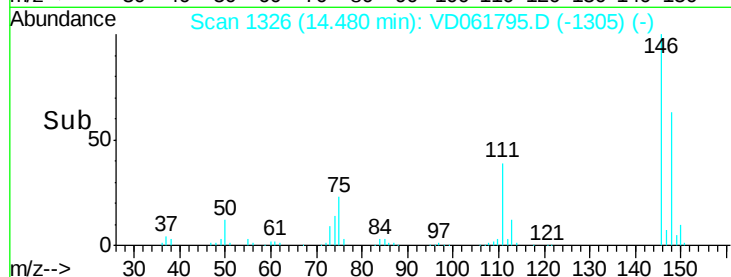
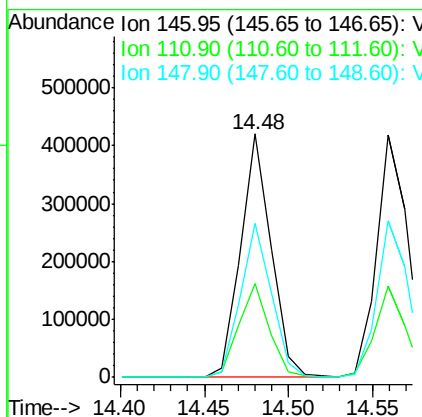
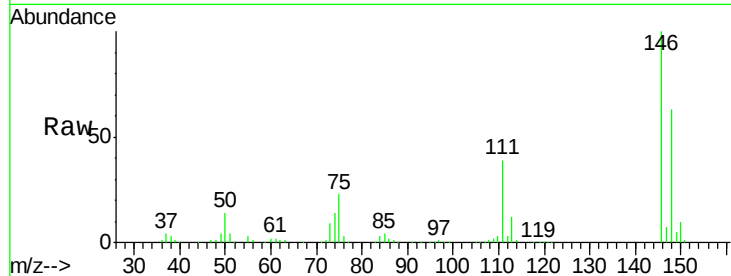
#87
 1,3-Dichlorobenzene
 Concen: 43.582 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	60.0
148	63.0	31.8	95.4

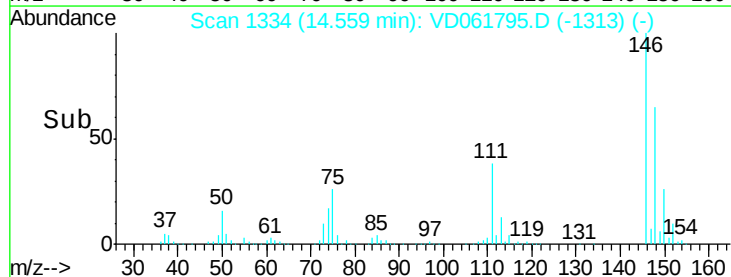
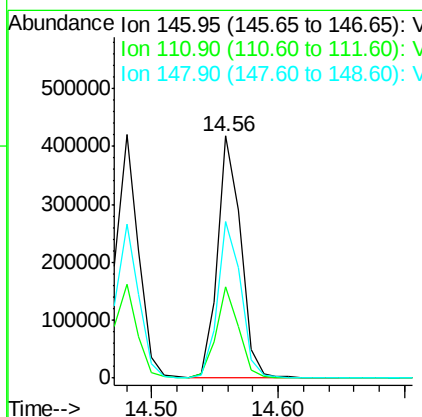
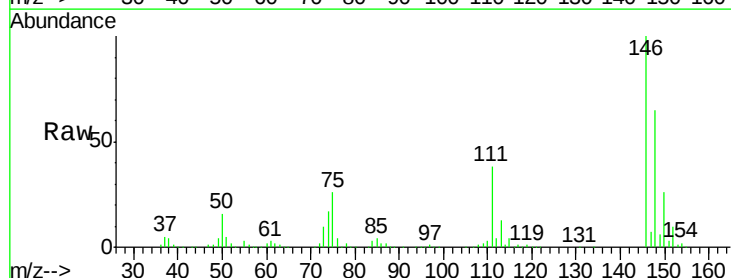
Manual Integrations
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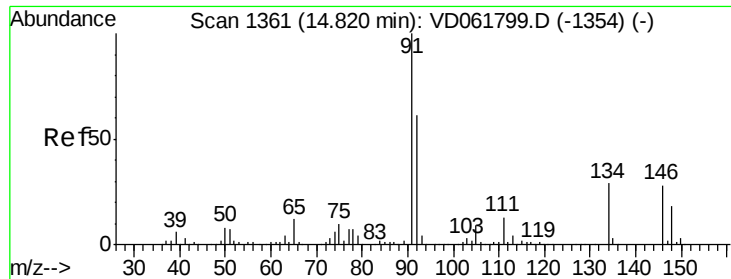
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#88
 1,4-Dichlorobenzene
 Concen: 44.777 ug/l
 RT: 14.56 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.2	60.5
148	64.6	32.0	96.2





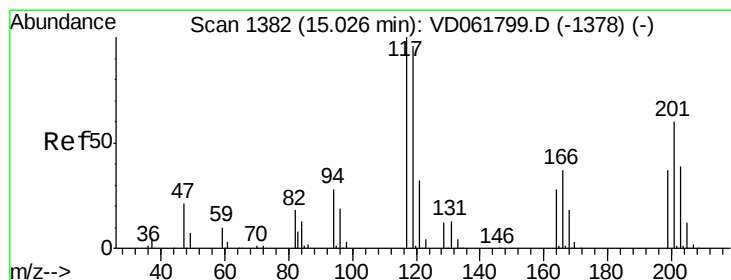
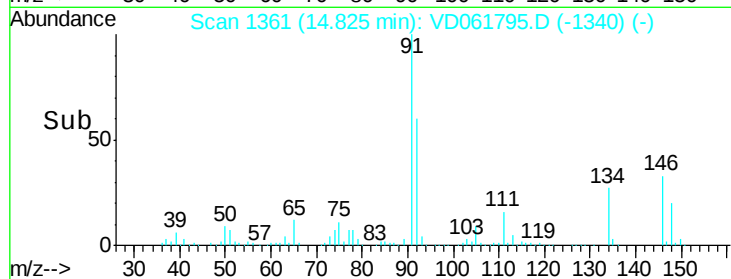
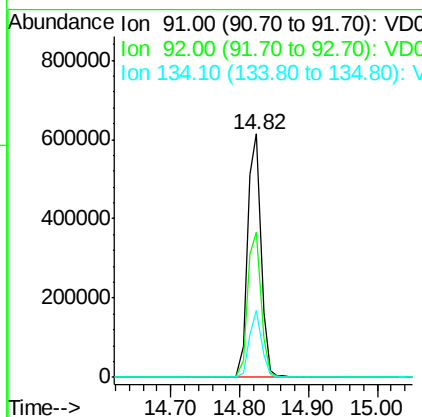
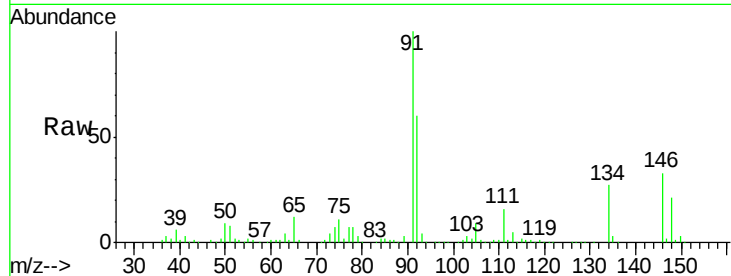
#89
n-Butylbenzene
Concen: 42.508 ug/l
RT: 14.82 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	829525		
92	59.6		30.3	91.0
134	27.4		14.5	43.6

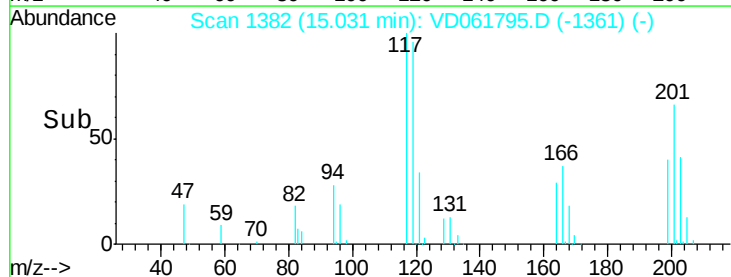
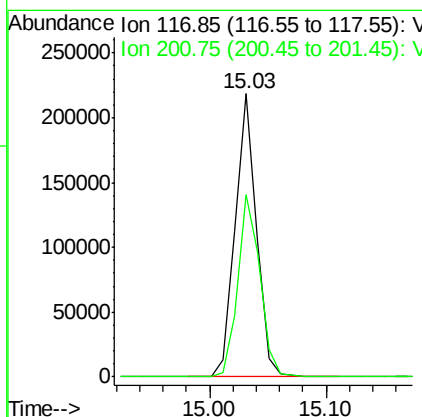
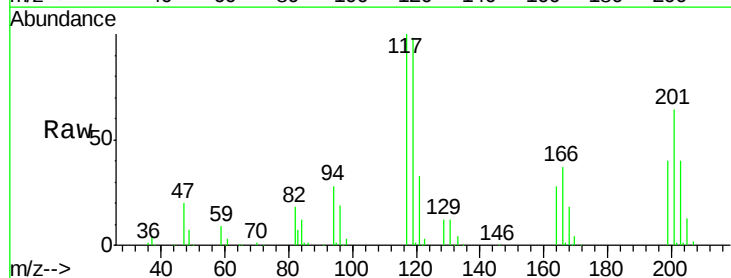
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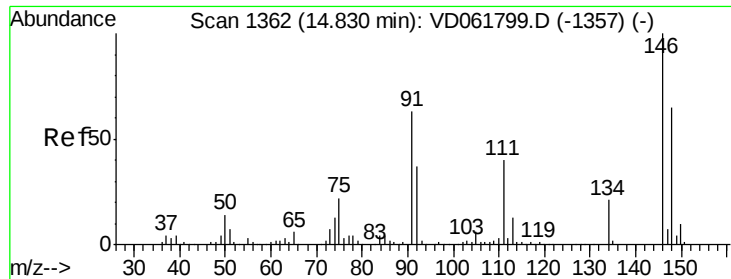
MMDadoda
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#90
Hexachloroethane
Concen: 46.000 ug/l
RT: 15.03 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	276407		
201	64.3		30.2	90.6





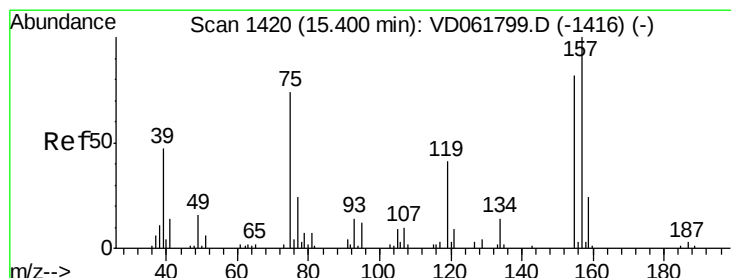
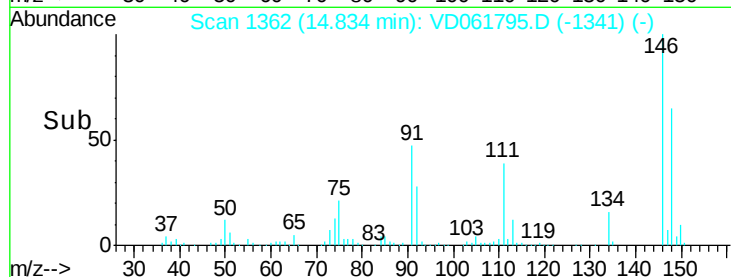
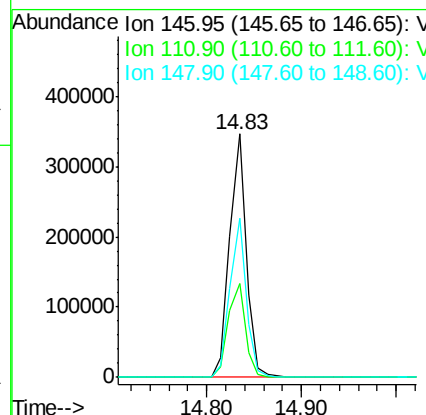
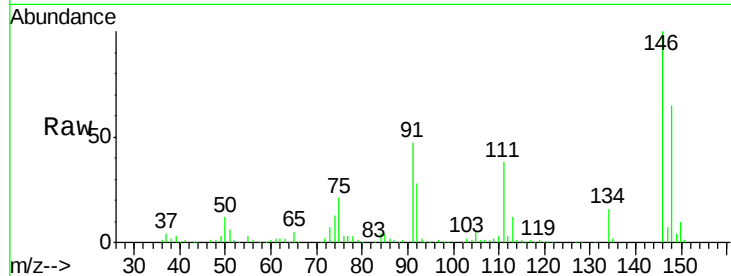
#91
 1,2-Dichlorobenzene
 Concen: 41.835 ug/l
 RT: 14.83 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.0	59.9
148	65.4	32.3	96.8

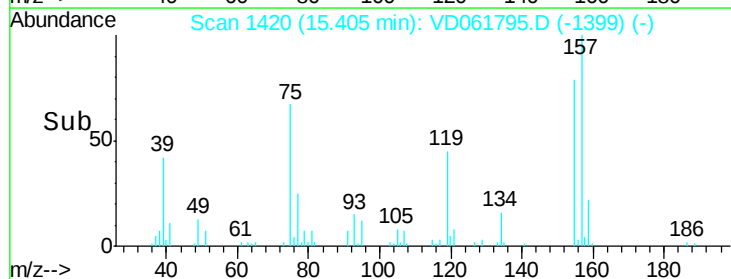
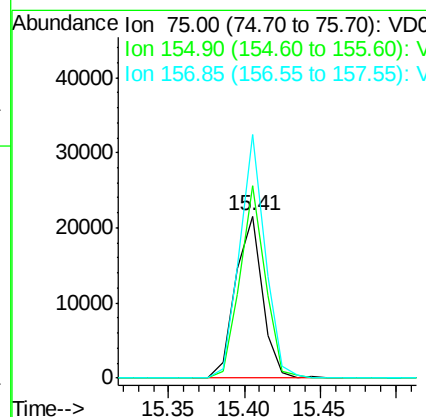
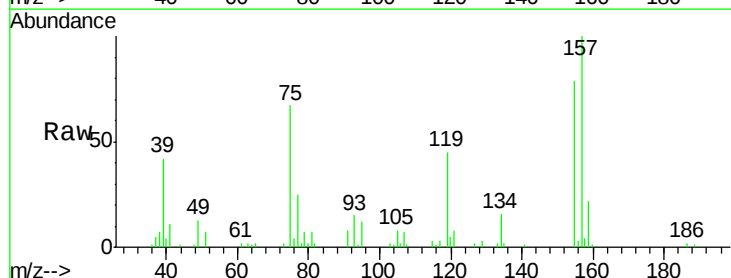
Manual Integrations
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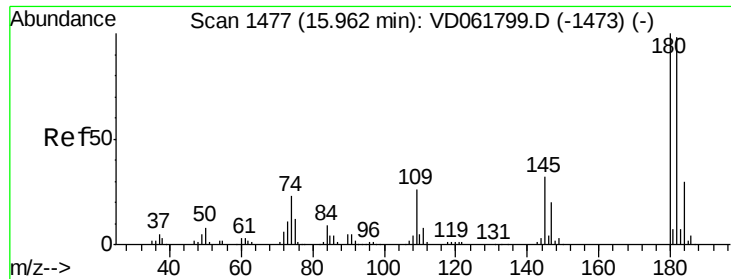
MMDadoda
 4/16/2019 3:12:46 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.061 ug/l
 RT: 15.41 min Scan# 1420
 Delta R.T. 0.01 min
 Lab File: VD061795.D
 Acq: 15 Apr 2019 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	118.3	55.3	165.8
157	150.0	67.8	203.2





#93

1,2,4-Trichlorobenzene

Concen: 46.243 ug/l

RT: 15.97 min Scan# 1477

Delta R.T. 0.00 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Instrument :

MSVOA_D

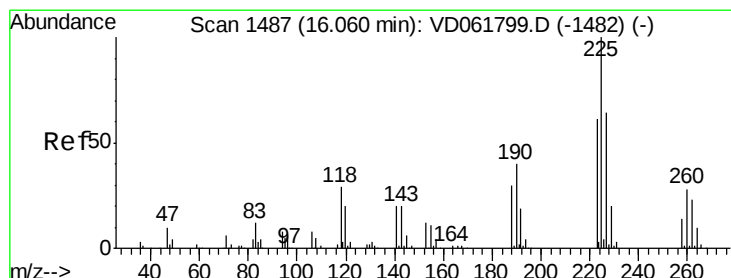
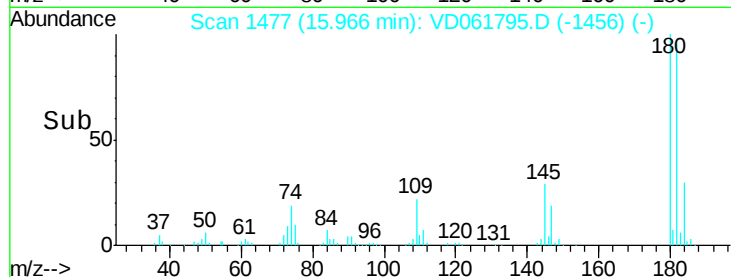
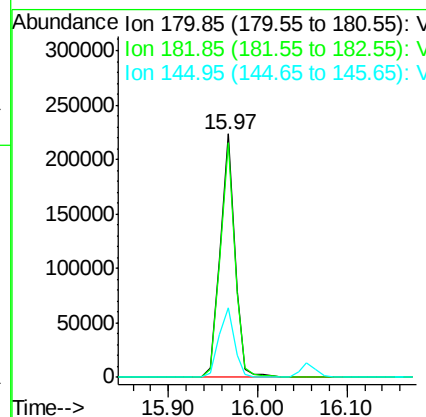
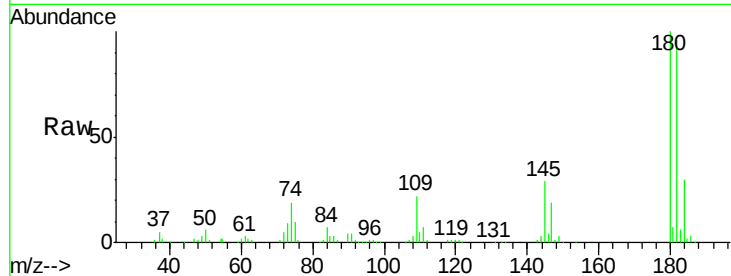
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	258102
Ion Ratio	Lower	Upper	
180	100		
182	96.5	49.3	147.8
145	28.6	16.2	48.6

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#94

Hexachlorobutadiene

Concen: 47.127 ug/l

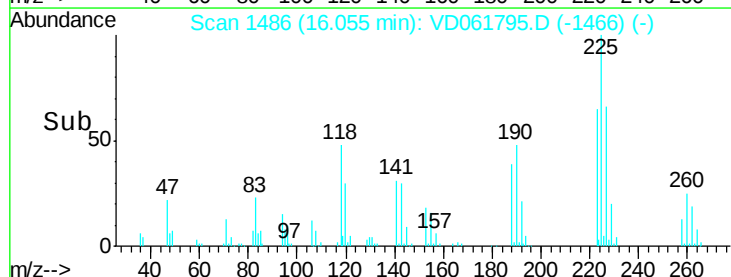
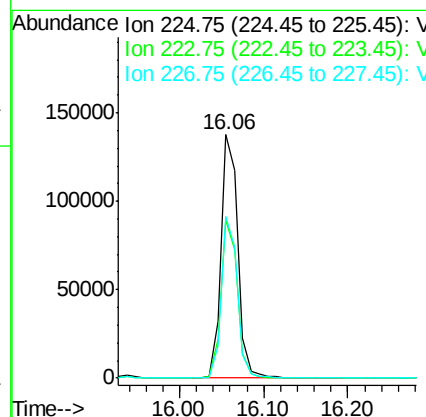
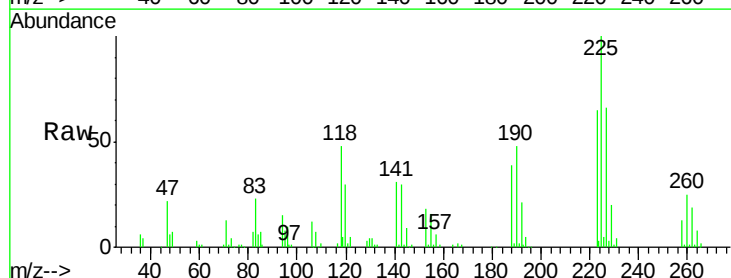
RT: 16.06 min Scan# 1486

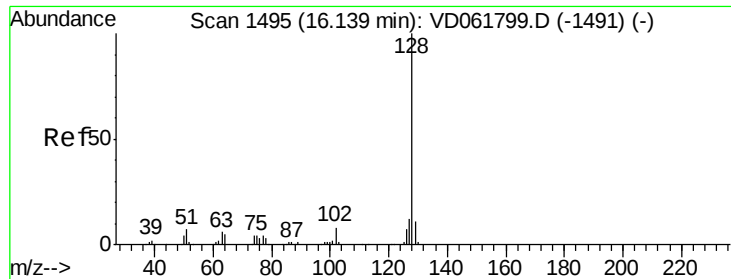
Delta R.T. -0.01 min

Lab File: VD061795.D

Acq: 15 Apr 2019 11:36

Tgt Ion:	225	Resp:	190621
Ion Ratio	Lower	Upper	
225	100		
223	64.7	30.6	92.0
227	66.2	32.0	96.2





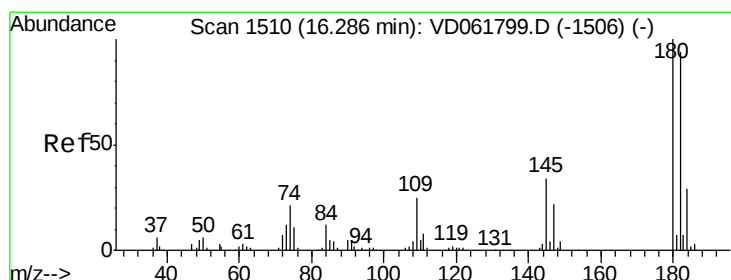
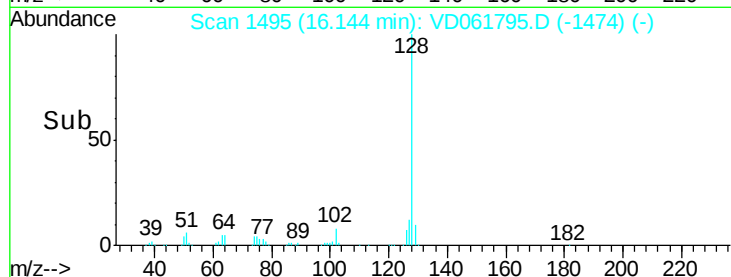
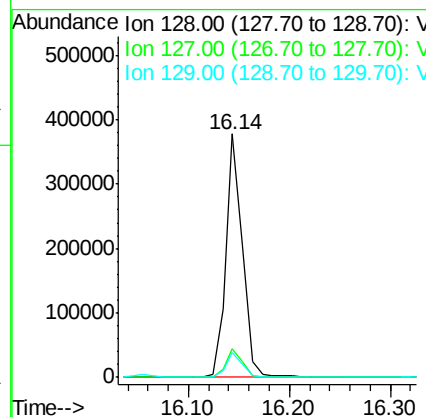
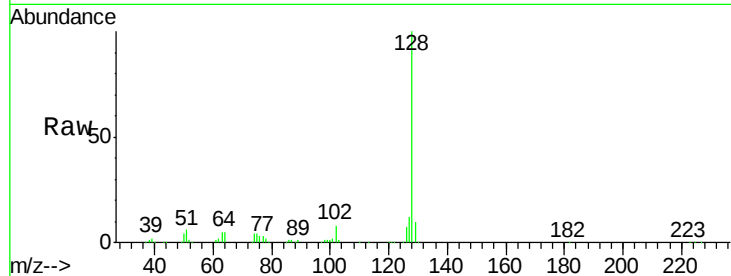
#95
Naphthalene
Concen: 50.613 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.8	14.8
129	10.4	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 45.146 ug/l
RT: 16.29 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VD061795.D
Acq: 15 Apr 2019 11:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.0	141.0
145	32.9	17.0	51.0

