

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
 Data File : VD061799.D
 Acq On : 15 Apr 2019 14:09
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 3:12:51 PM

Quant Time: Apr 16 08:46:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:14:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	647123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.26	114	1049563	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.40	117	845758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	381477	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.50	65	250691	45.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.94%	
35) Dibromofluoromethane	6.97	113	363450	45.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.68%	
50) Toluene-d8	10.45	98	870937	46.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.72%	
62) 4-Bromofluorobenzene	13.58	95	336309	44.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.60	85	316728	49.880	ug/l	100
3) Chloromethane	1.78	50	234784	46.400	ug/l	100
4) Vinyl Chloride	1.87	62	260355	51.837	ug/l	100
5) Bromomethane	2.18	94	63378	49.245	ug/l	100
6) Chloroethane	2.30	64	101327	59.133	ug/l	100
7) Trichlorofluoromethane	2.56	101	404193	49.722	ug/l	100
8) Diethyl Ether	2.91	74	109077	51.095	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.19	101	345872	47.654	ug/l	100
10) Methyl Iodide	3.34	142	577936	59.050	ug/l	100
11) Tert butyl alcohol	4.10	59	80415	250.144	ug/l	100
12) 1,1-Dichloroethene	3.16	96	295551	48.410	ug/l	100
13) Acrolein	3.07	56	67081	215.386	ug/l	100
14) Allyl chloride	3.67	41	419674	50.422	ug/l	100
15) Acrylonitrile	4.24	53	248607	246.326	ug/l	100
16) Acetone	3.25	43	347661	258.724	ug/l	100
17) Carbon Disulfide	3.41	76	991522	50.251	ug/l	100
18) Methyl Acetate	3.68	43	126053	46.777	ug/l	100
19) Methyl tert-butyl Ether	4.28	73	564119	49.632	ug/l	100
20) Methylene Chloride	3.85	84	329133	40.590	ug/l	100
21) trans-1,2-Dichloroethene	4.27	96	334975	49.959	ug/l	100
22) Diisopropyl ether	5.17	45	902994	50.841	ug/l	100
23) Vinyl Acetate	5.11	43	2393204	252.451	ug/l	100
24) 1,1-Dichloroethane	5.04	63	524887	48.691	ug/l	100
25) 2-Butanone	6.12	43	371486	242.793	ug/l	100
26) 2,2-Dichloropropane	6.08	77	450520	48.301	ug/l	100
27) cis-1,2-Dichloroethene	6.09	96	353628	48.594	ug/l	100
28) Bromochloromethane	6.49	49	195926	47.800	ug/l	100
29) Tetrahydrofuran	6.50	42	185642	249.067	ug/l	100
30) Chloroform	6.72	83	612319	50.885	ug/l	100
31) Cyclohexane	7.00	56	429389	51.992	ug/l	100
32) 1,1,1-Trichloroethane	6.92	97	534329	50.093	ug/l	100
36) 1,1-Dichloropropene	7.19	75	423031	49.314	ug/l	100
37) Ethyl Acetate	6.23	43	180196	49.090	ug/l	100
38) Carbon Tetrachloride	7.16	117	530465m	47.508	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.90	83	439147	49.307	ug/l	100
40) Benzene	7.50	78	1063033	51.620	ug/l	100
41) Methacrylonitrile	6.49	41	210133	48.433	ug/l	100
42) 1,2-Dichloroethane	7.62	62	343357	47.880	ug/l	100
43) Isopropyl Acetate	9.28	43	264769	51.256	ug/l	100
44) Trichloroethene	8.59	130	401345	50.633	ug/l	100
45) 1,2-Dichloropropane	8.98	63	262022	48.854	ug/l	100
46) Dibromomethane	9.10	93	193414	50.611	ug/l	100
47) Bromodichloromethane	9.42	83	459969	52.171	ug/l	100
48) Methyl methacrylate	9.16	41	157422	51.845	ug/l	100
49) 1,4-Dioxane	9.12	88	35097	1057.515	ug/l	100
51) 4-Methyl-2-Pentanone	10.34	43	784740	248.419	ug/l	100
52) Toluene	10.55	92	634046	48.052	ug/l	100
53) t-1,3-Dichloropropene	10.95	75	411331	51.777	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	478347	51.296	ug/l	100
55) 1,1,2-Trichloroethane	11.23	97	217957	49.021	ug/l	100
56) Ethyl methacrylate	11.08	69	226176	46.348	ug/l	100
57) 1,3-Dichloropropane	11.44	76	319292	47.767	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.90	63	491465	211.738	ug/l	100
59) 2-Hexanone	11.56	43	568810	242.437	ug/l	100
60) Dibromochloromethane	11.72	129	385563	52.997	ug/l	100
61) 1,2-Dibromoethane	11.84	107	273962	50.111	ug/l	100
64) Tetrachloroethene	11.30	164	314165	49.531	ug/l	100
65) Chlorobenzene	12.43	112	771689	48.993	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.54	131	321563	48.717	ug/l	100
67) Ethyl Benzene	12.56	91	1178017	46.702	ug/l	100
68) m/p-Xylenes	12.69	106	966873	102.046	ug/l	100
69) o-Xylene	13.08	106	405010	45.478	ug/l	100
70) Styrene	13.10	104	724917	47.302	ug/l	100
71) Bromoform	13.25	173	198140	50.571	ug/l	100
73) Isopropylbenzene	13.42	105	1198829	48.457	ug/l	100
74) N-amyl acetate	13.28	43	318826	47.924	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.72	83	261869	53.549	ug/l	100
76) 1,2,3-Trichloropropane	13.76	75	264922	52.881	ug/l	100
77) Bromobenzene	13.70	156	362414	51.569	ug/l	100
78) n-propylbenzene	13.80	91	1512606	52.919	ug/l	100
79) 2-Chlorotoluene	13.86	91	836470	50.392	ug/l	100
80) 1,3,5-Trimethylbenzene	13.95	105	916101	46.668	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.50	75	76340	53.492	ug/l	100
82) 4-Chlorotoluene	13.97	91	906906	47.451	ug/l	100
83) tert-Butylbenzene	14.21	119	1215699	52.743	ug/l	100
84) 1,2,4-Trimethylbenzene	14.26	105	1054012	53.416	ug/l	100
85) sec-Butylbenzene	14.39	105	1204437	50.547	ug/l	100
86) p-Isopropyltoluene	14.51	119	1132066	50.778	ug/l	100
87) 1,3-Dichlorobenzene	14.48	146	633976	51.674	ug/l	100
88) 1,4-Dichlorobenzene	14.55	146	626826	51.685	ug/l	100
89) n-Butylbenzene	14.82	91	993923	50.364	ug/l	100
90) Hexachloroethane	15.03	117	330687	54.420	ug/l	100
91) 1,2-Dichlorobenzene	14.83	146	517150	50.322	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.40	75	36397	53.751	ug/l	100

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VSTDICCC050

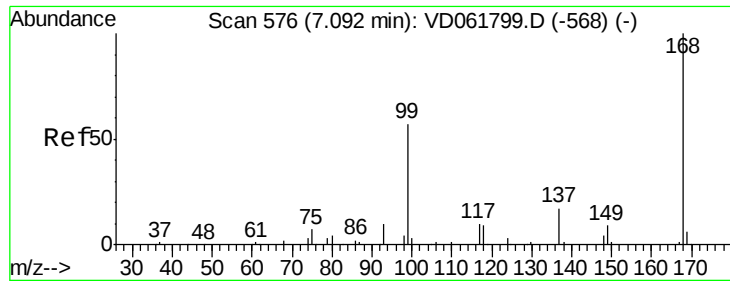
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	278687	49.374	ug/l	100
94) Hexachlorobutadiene	16.06	225	211904	51.805	ug/l	100
95) Naphthalene	16.14	128	483533	55.891	ug/l	100
96) 1,2,3-Trichlorobenzene	16.29	180	169155	52.589	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.09 min Scan# 576

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 647123

Ion Ratio Lower Upper

168 100

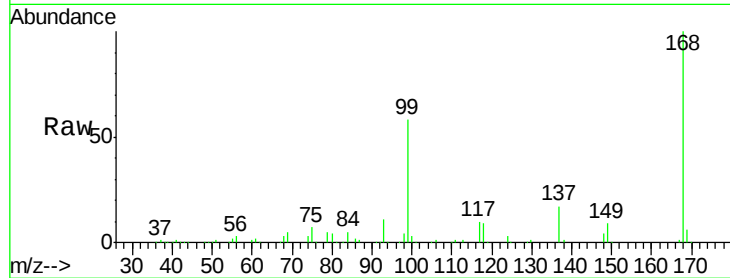
99 58.1 46.5 69.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.09

250000

200000

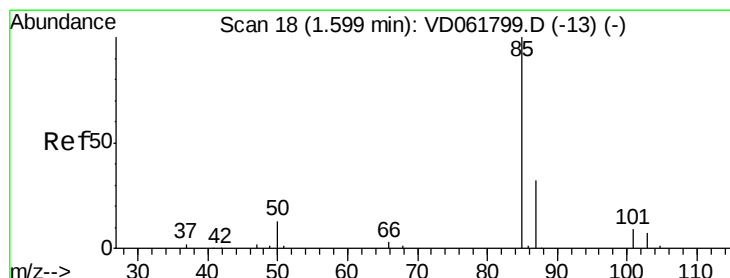
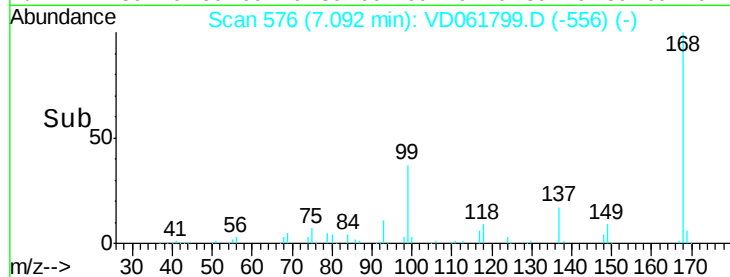
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20 7.30



#2

Dichlorodifluoromethane

Concen: 49.880 ug/l

RT: 1.60 min Scan# 18

Delta R.T. 0.00 min

Lab File: VD061799.D

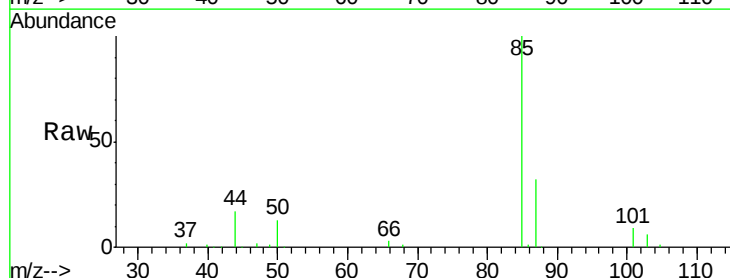
Acq: 15 Apr 2019 14:09

Tgt Ion: 85 Resp: 316728

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

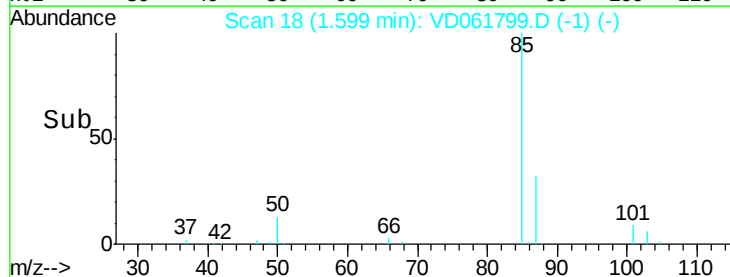
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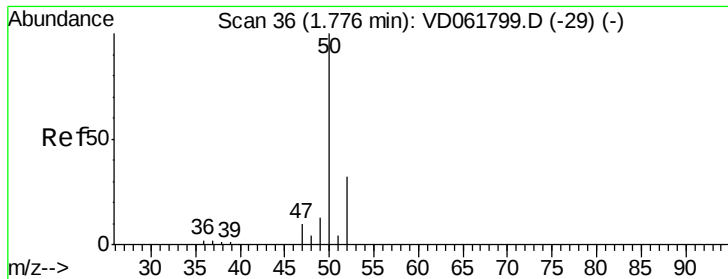
100000

50000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 46.400 ug/l

RT: 1.78 min Scan# 36

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 234784

Ion Ratio Lower Upper

50 100

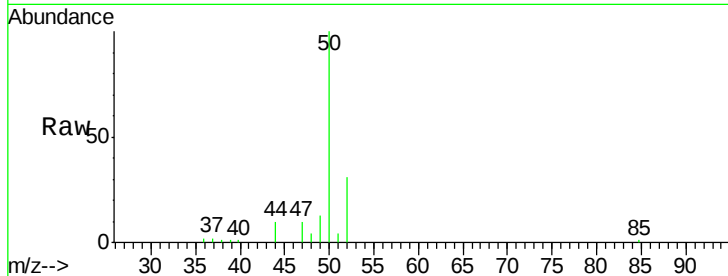
52 31.5 25.2 37.8

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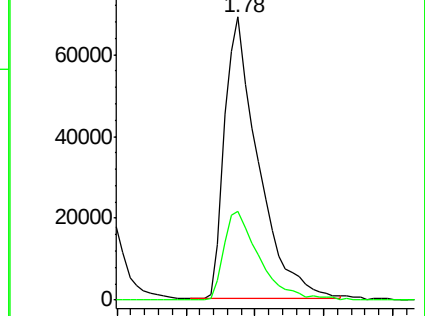
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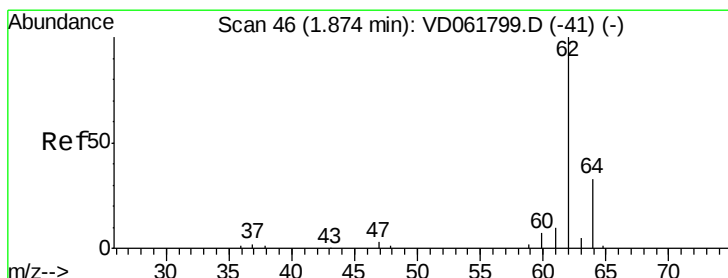
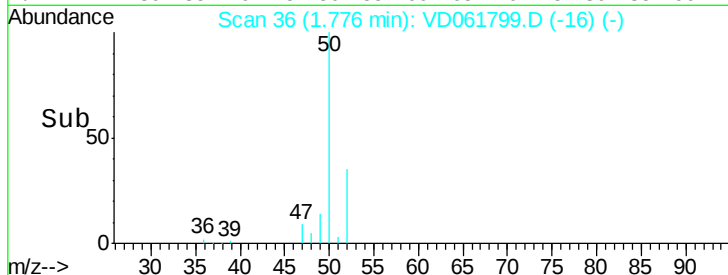


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time--> 1.60 1.70 1.80 1.90 2.00



#4

Vinyl Chloride

Concen: 51.837 ug/l

RT: 1.87 min Scan# 46

Delta R.T. 0.00 min

Lab File: VD061799.D

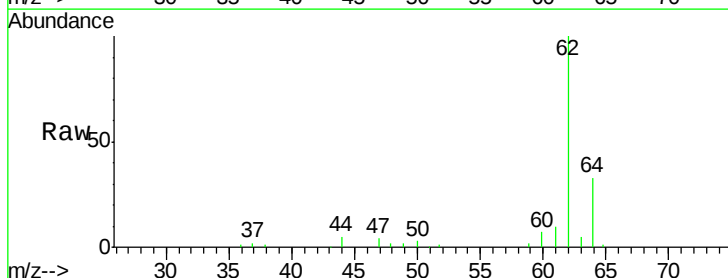
Acq: 15 Apr 2019 14:09

Tgt Ion: 62 Resp: 260355

Ion Ratio Lower Upper

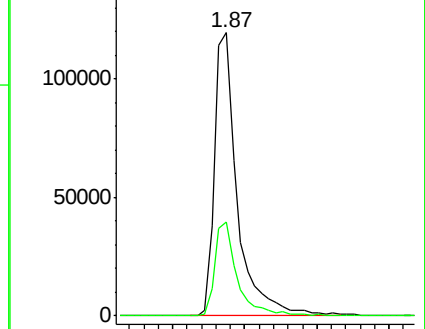
62 100

64 33.1 26.5 39.7

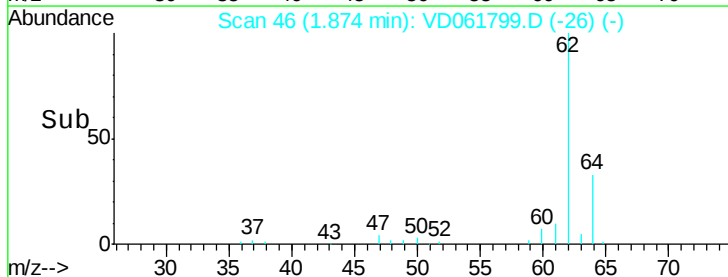


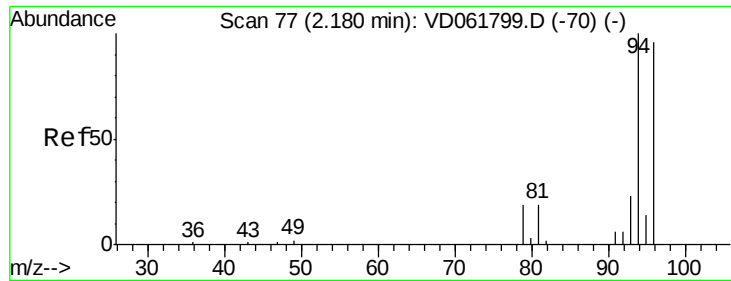
Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



Time--> 1.80 1.90 2.00 2.10





#5

Bromomethane

Concen: 49.245 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

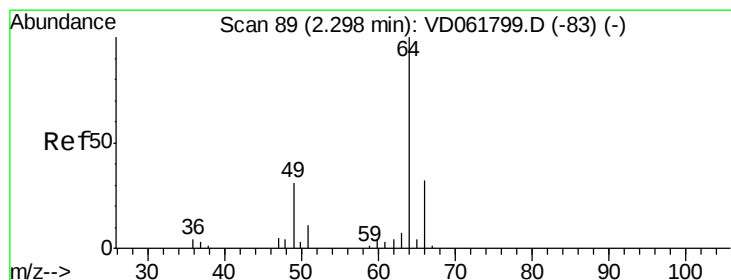
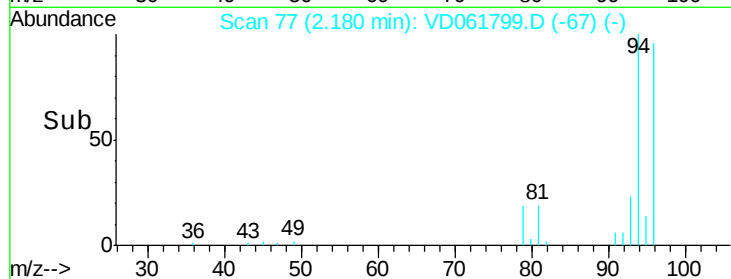
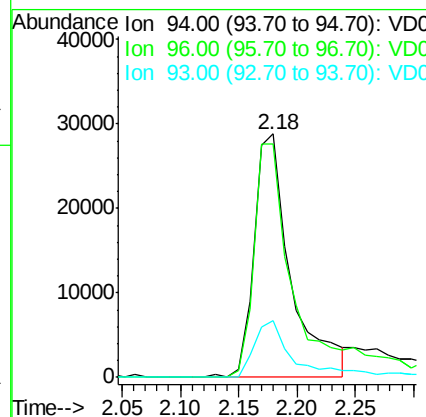
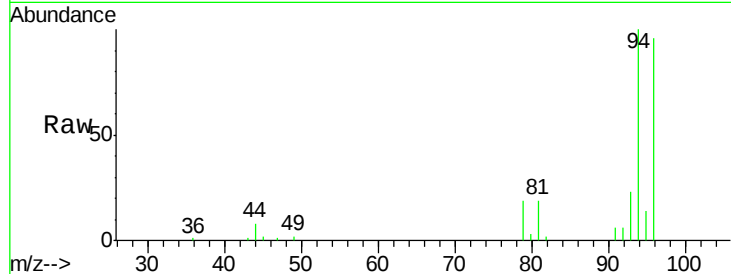
ClientSampleId :

VSTDICCC050

Tot Ion:	94	Resp:	63378
Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.6	115.0
93	23.1	18.5	27.7

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#6

Chloroethane

Concen: 59.133 ug/l

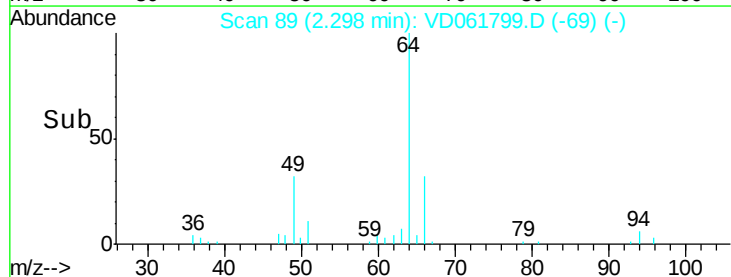
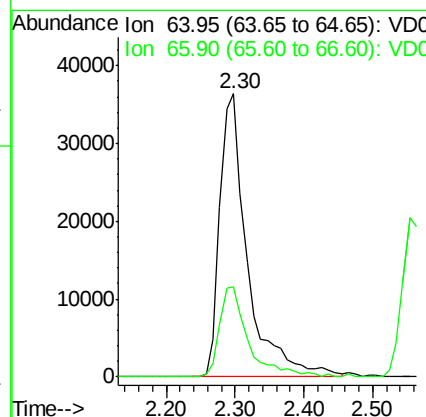
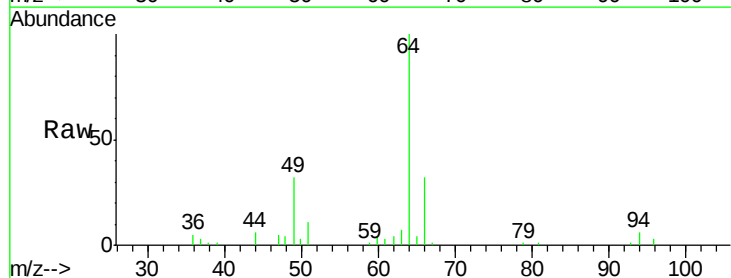
RT: 2.30 min Scan# 89

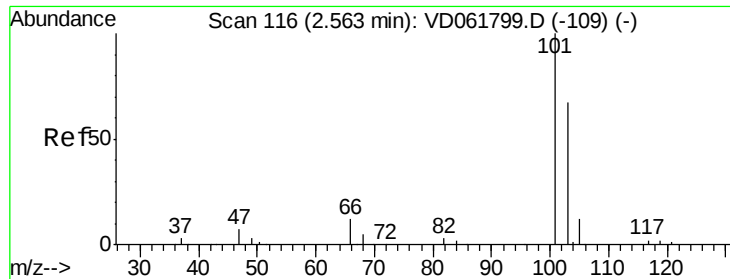
Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Tgt Ion:	64	Resp:	101327
Ion	Ratio	Lower	Upper
64	100		
66	32.0	25.6	38.4





#7

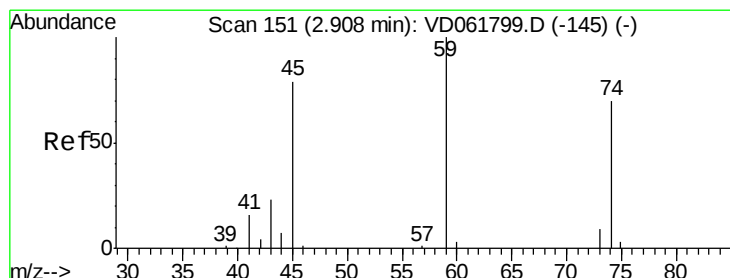
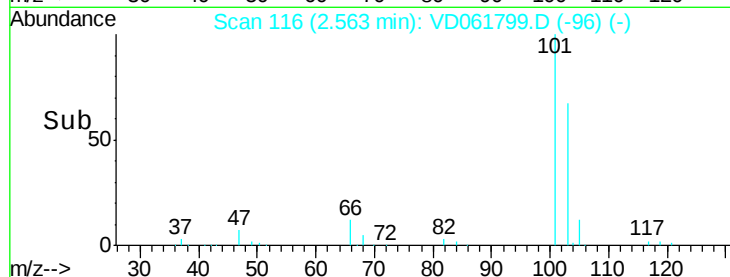
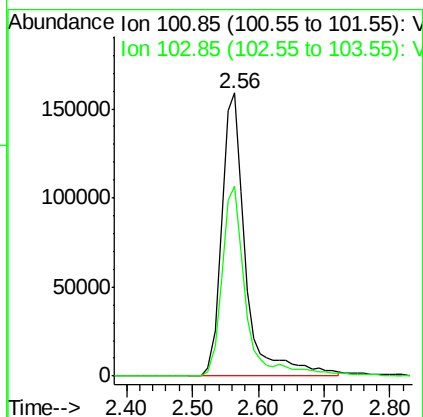
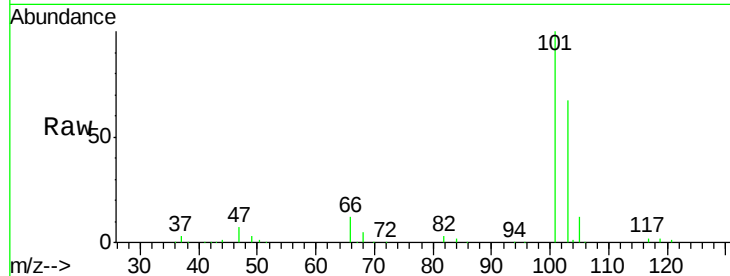
Trichlorofluoromethane
 Concen: 49.722 ug/l
 RT: 2.56 min Scan# 116
 Delta R.T. 0.00 min
 Lab File: VD061799.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		404193		
103	67.0	53.6	80.4		

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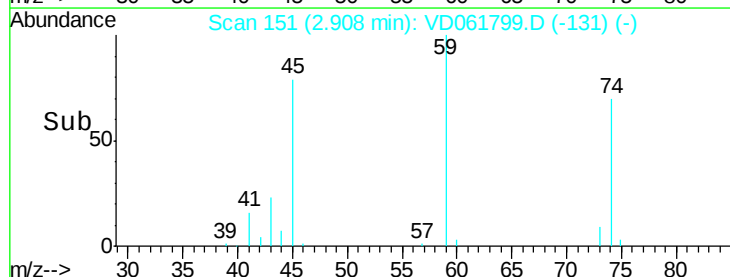
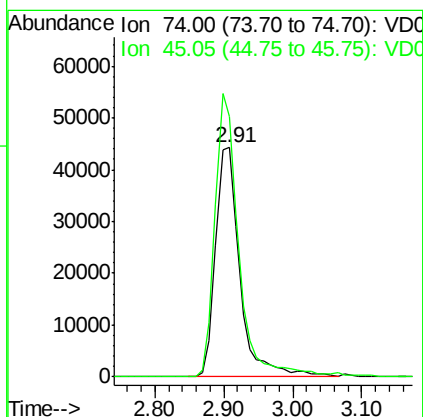
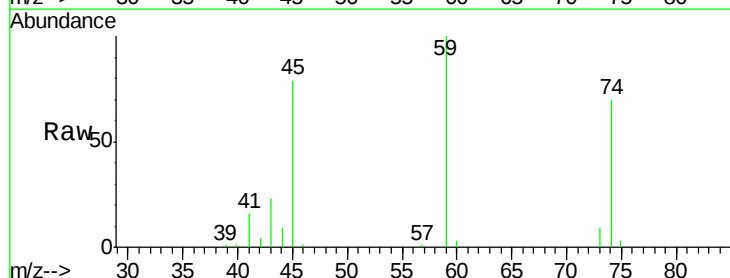
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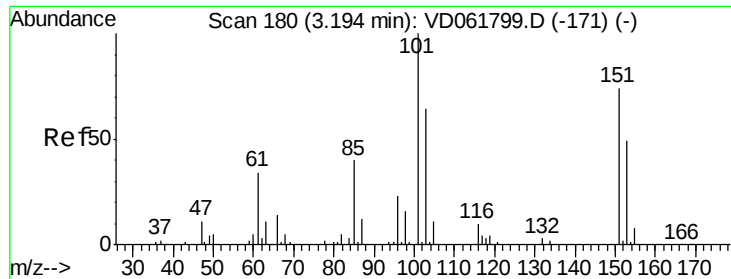


#8

Diethyl Ether
 Concen: 51.095 ug/l
 RT: 2.91 min Scan# 151
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		109077		
45	113.8	56.9	170.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.654 ug/l

RT: 3.19 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

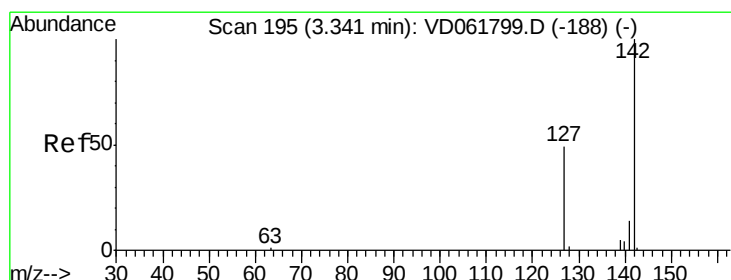
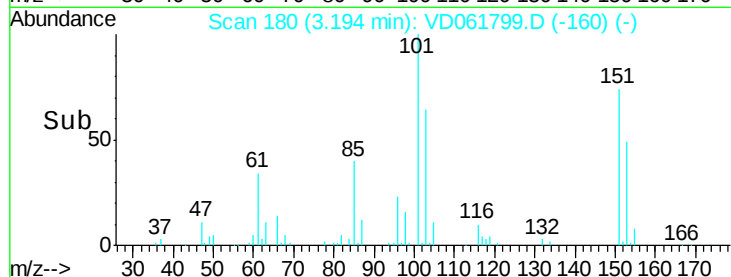
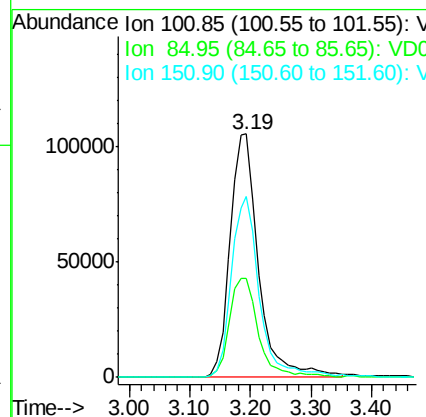
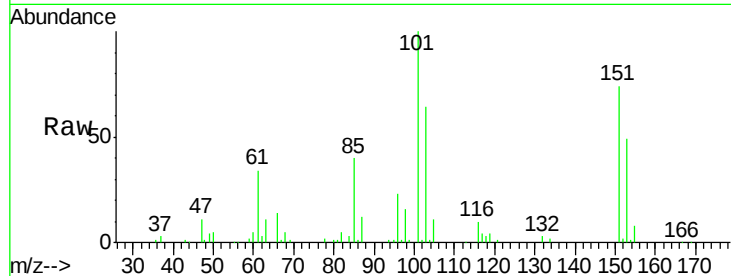
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	345872
Ion Ratio	Lower	Upper	
101	100		
85	40.5	32.4	48.6
151	74.2	59.4	89.0

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 59.050 ug/l

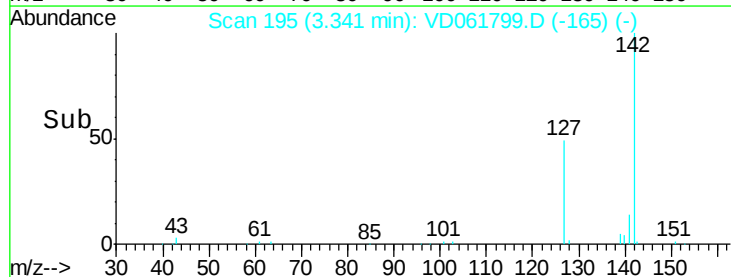
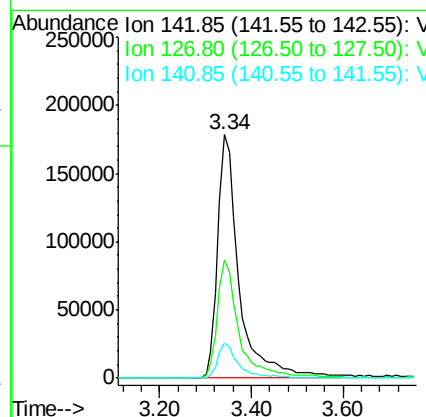
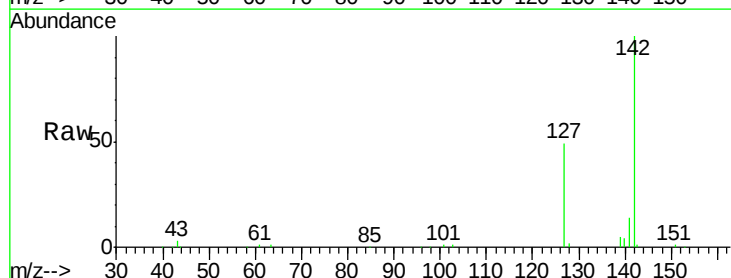
RT: 3.34 min Scan# 195

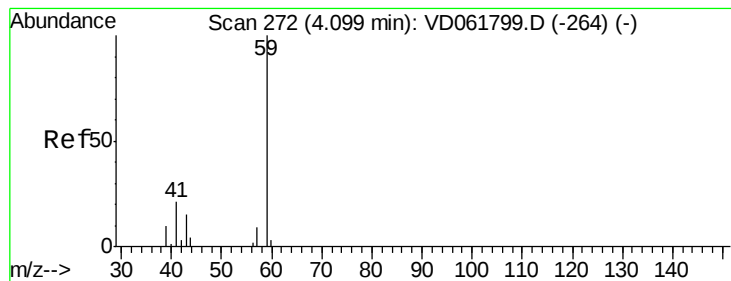
Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Tgt Ion:	142	Resp:	577936
Ion Ratio	Lower	Upper	
142	100		
127	48.5	38.8	58.2
141	14.2	11.4	17.0





#11

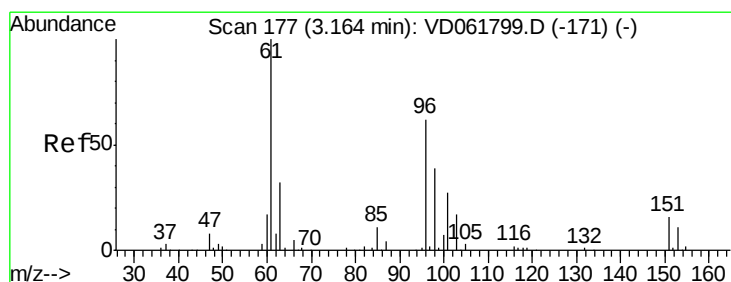
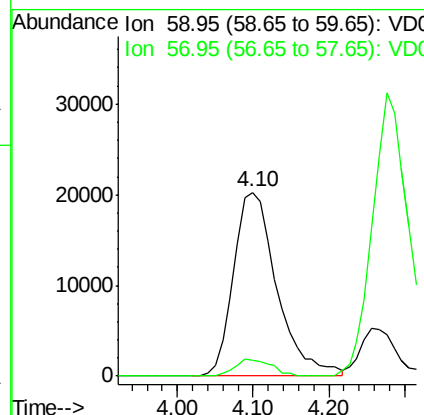
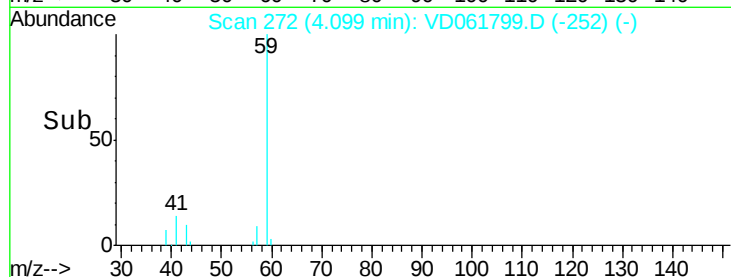
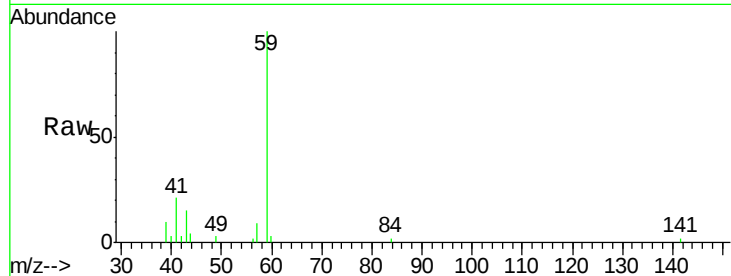
Tert butyl alcohol
Concen: 250.144 ug/l
RT: 4.10 min Scan# 272
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	59	57	Ratio	100	8.6	Resp:	80415	Lower	6.9	Upper	10.3
Ion	59	57	Ratio	100	8.6	Resp:	80415	Lower	6.9	Upper	10.3

Manual Integrations
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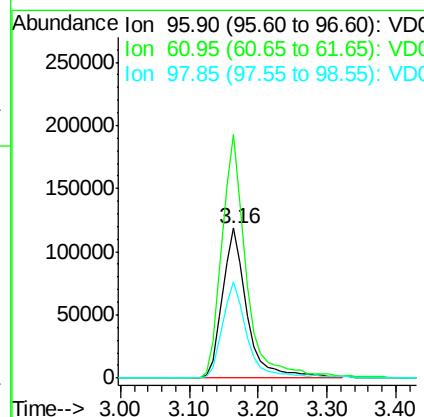
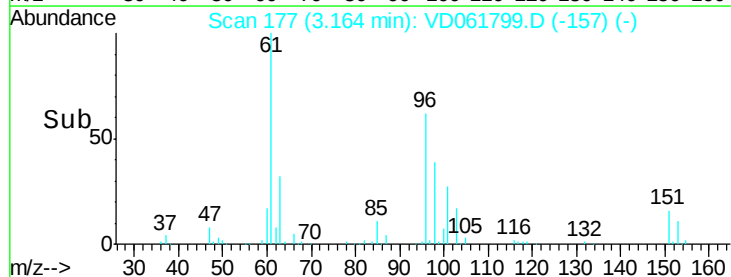
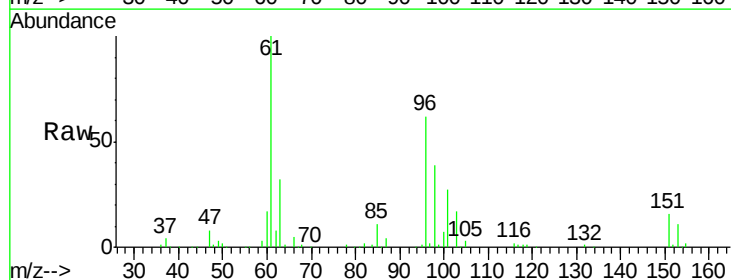
MMDadoda
4/16/2019 3:12:51 PM

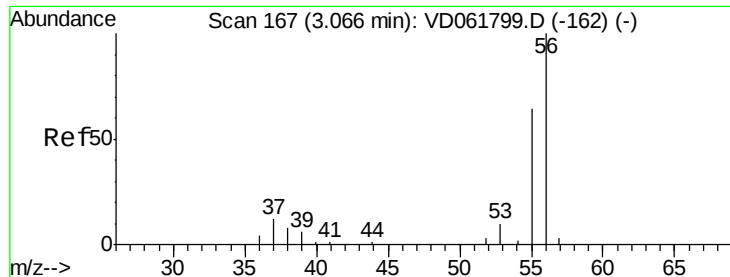


#12

1,1-Dichloroethene
Concen: 48.410 ug/l
RT: 3.16 min Scan# 177
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion	96	61	98	Ratio	100	162.3	64.0	Resp:	295551	Lower	129.8	51.2	Upper	194.8	76.8
Ion	96	61	98	Ratio	100	162.3	64.0	Resp:	295551	Lower	129.8	51.2	Upper	194.8	76.8





#13

Acrolein

Concen: 215.386 ug/l

RT: 3.07 min Scan# 167

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 67081

Ion Ratio Lower Upper

56 100

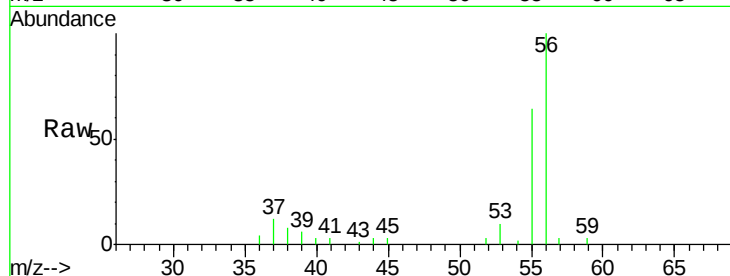
55 64.3 51.4 77.2

Manual Integrations

APPROVED

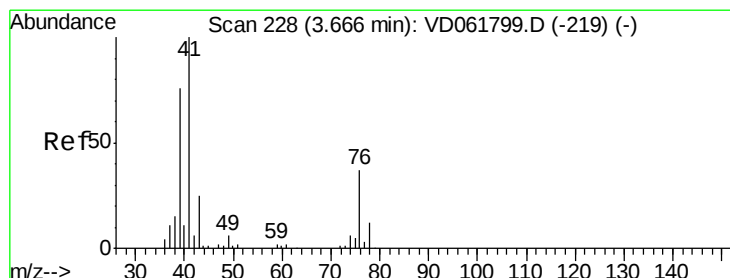
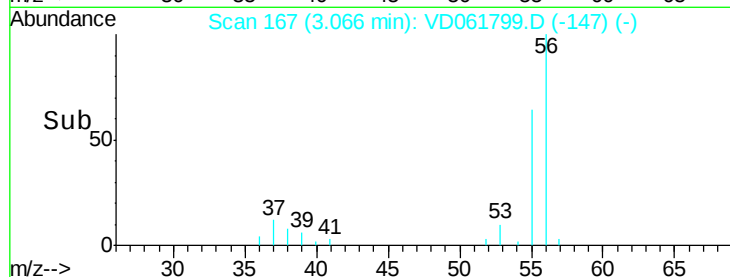
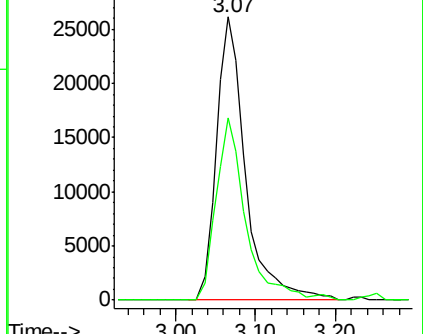
MMDadoda

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.422 ug/l

RT: 3.67 min Scan# 228

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

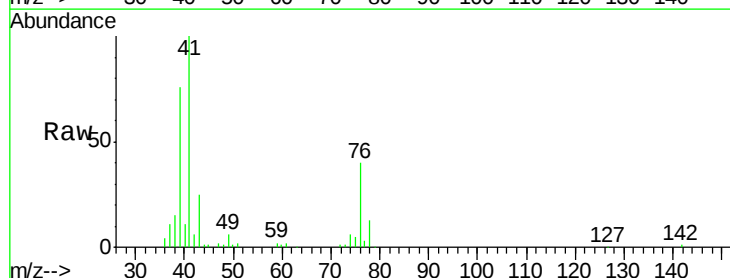
Tgt Ion: 41 Resp: 419674

Ion Ratio Lower Upper

41 100

39 75.6 60.5 90.7

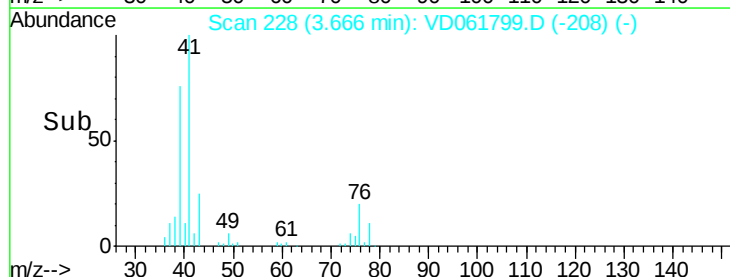
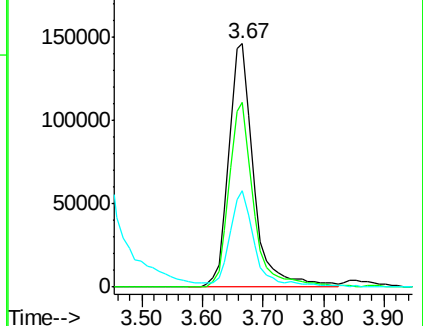
76 39.8 31.8 47.8

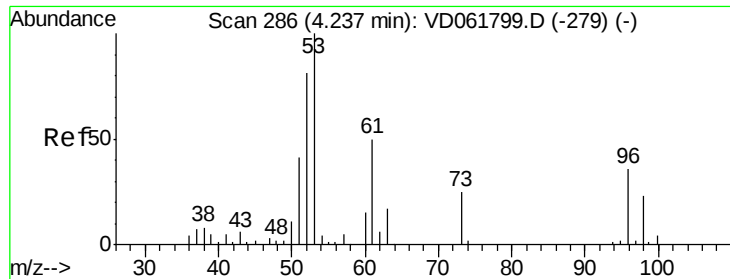


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





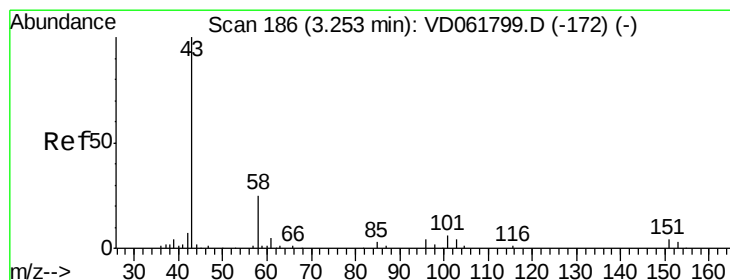
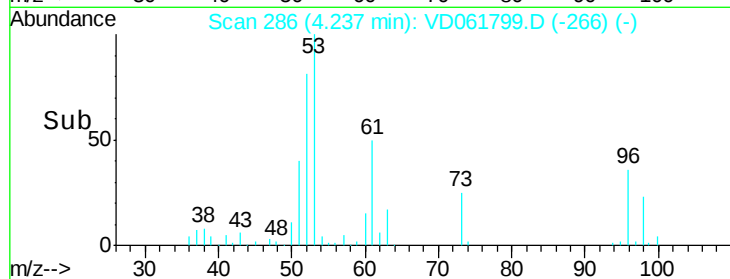
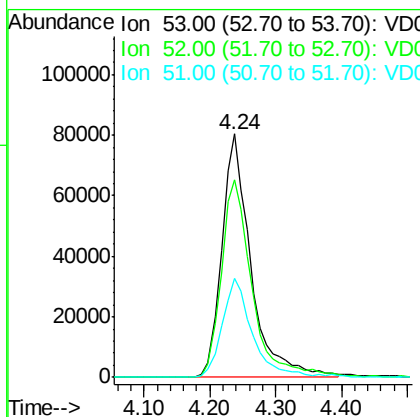
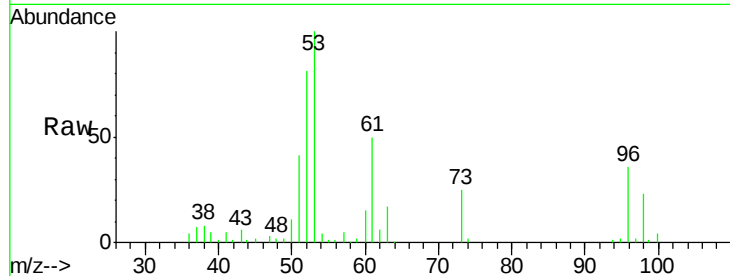
#15
 Acrylonitrile
 Concen: 246.326 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	53	Resp	248607
Ion Ratio	100	Lower	Upper
52	81.2	65.0	97.4
51	40.7	32.6	48.8

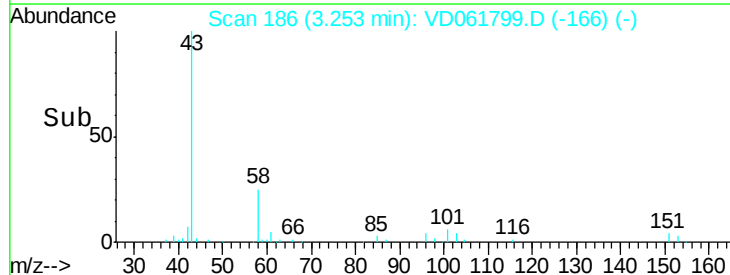
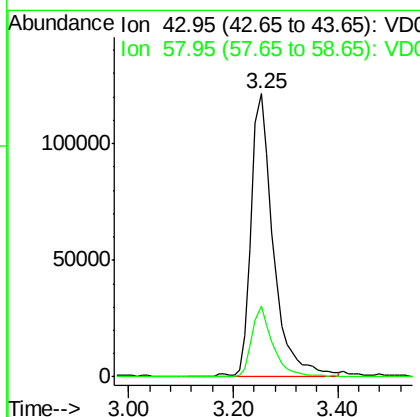
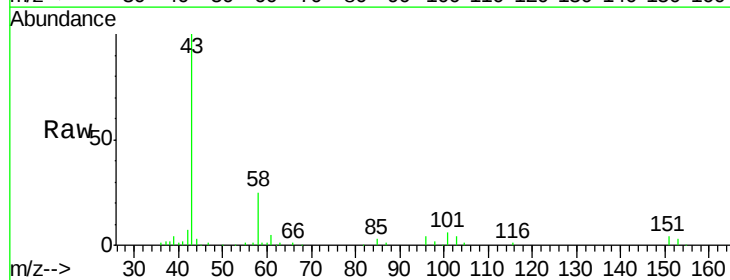
Manual Integrations
 APPROVED

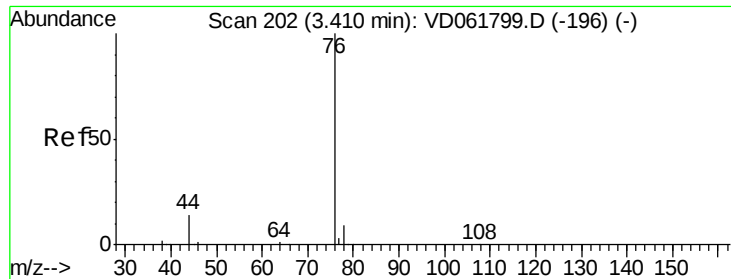
MMDadoda
 4/16/2019 3:12:51 PM



#16
 Acetone
 Concen: 258.724 ug/l
 RT: 3.25 min Scan# 186
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion	43	Resp	347661
Ion Ratio	100	Lower	Upper
58	24.9	19.9	29.9





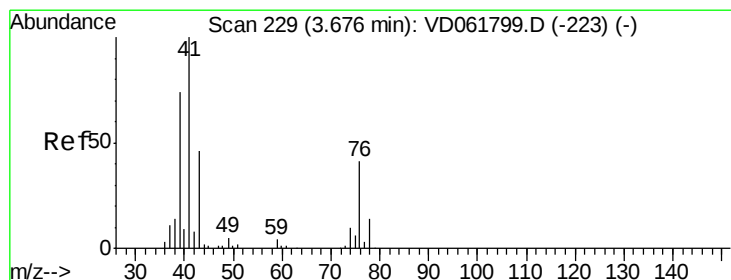
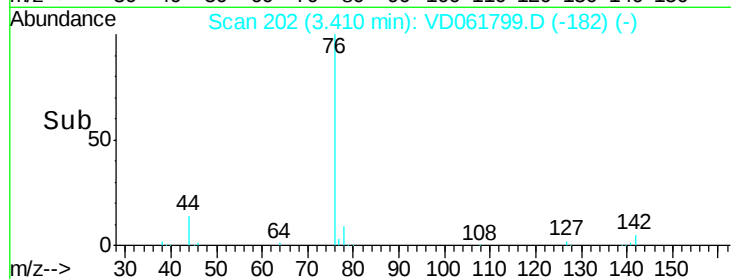
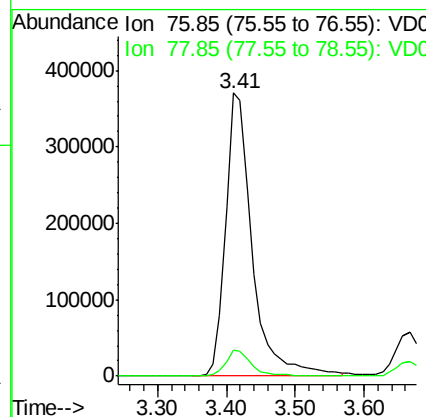
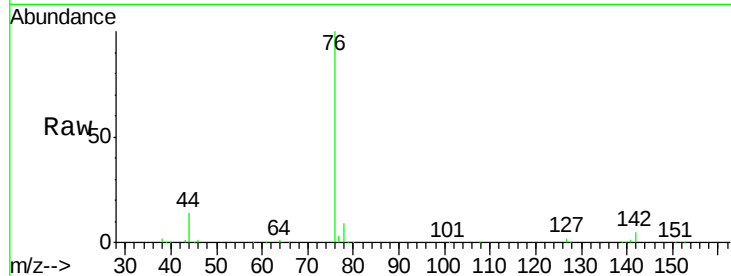
#17
Carbon Disulfide
Concen: 50.251 ug/l
RT: 3.41 min Scan# 202
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
76	76	100		
78	78	9.0	7.2	10.8

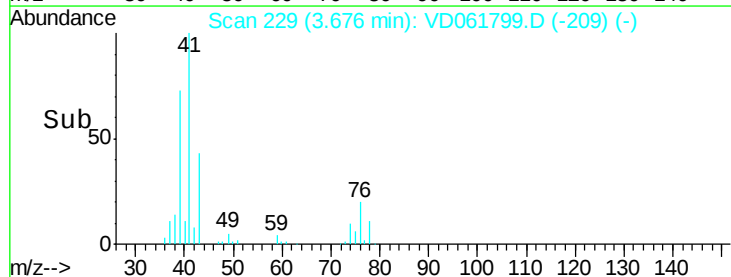
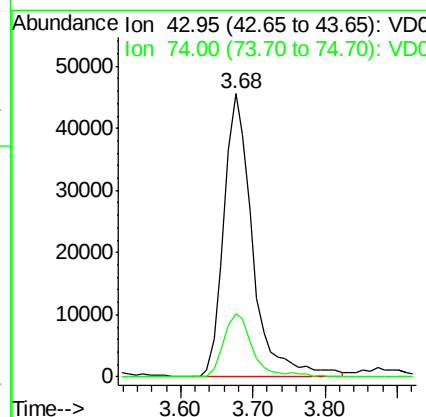
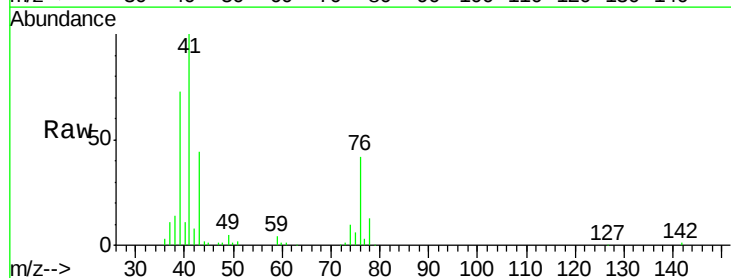
Manual Integrations
APPROVED

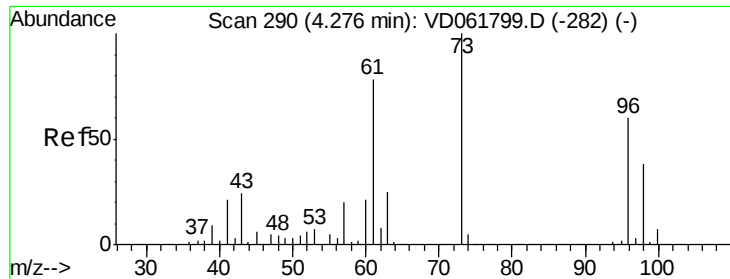
MMDadoda
4/16/2019 3:12:51 PM



#18
Methyl Acetate
Concen: 46.777 ug/l
RT: 3.68 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
74	74	22.5	18.0	27.0





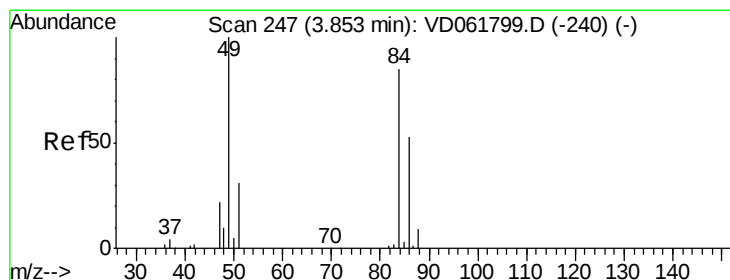
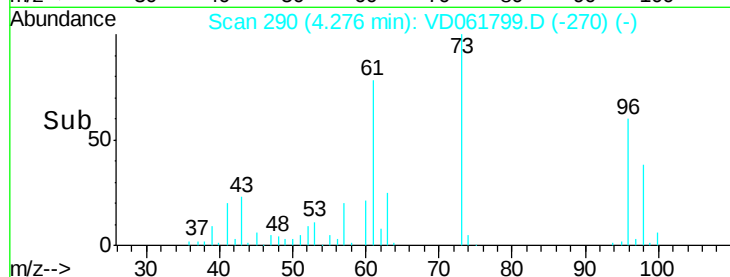
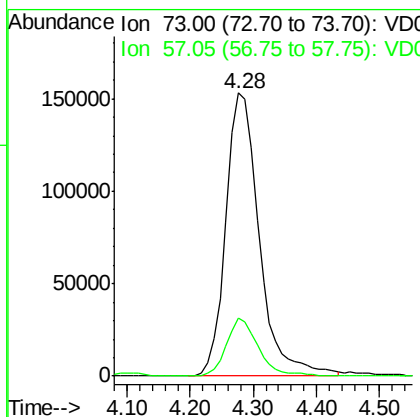
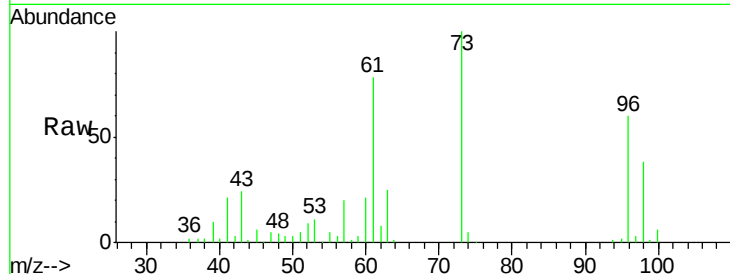
#19
Methyl tert-butyl Ether
Concen: 49.632 ug/l
RT: 4.28 min Scan# 290
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 564119
Ion Ratio Lower Upper
73 100
57 20.4 16.3 24.5

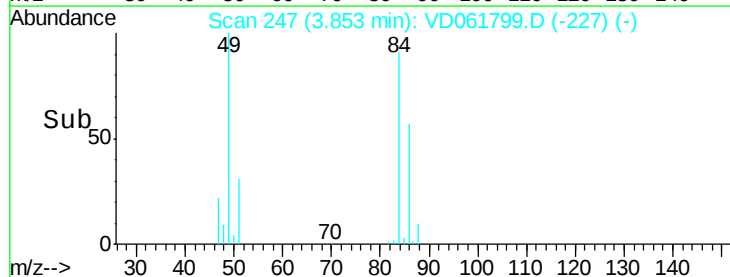
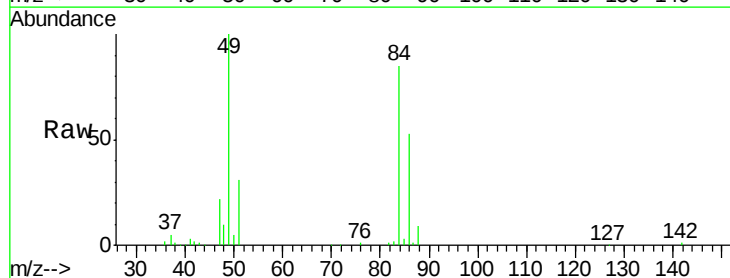
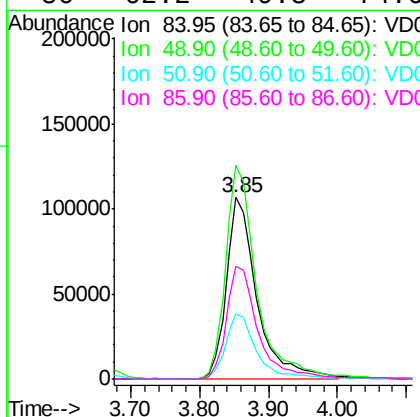
Manual Integrations
APPROVED

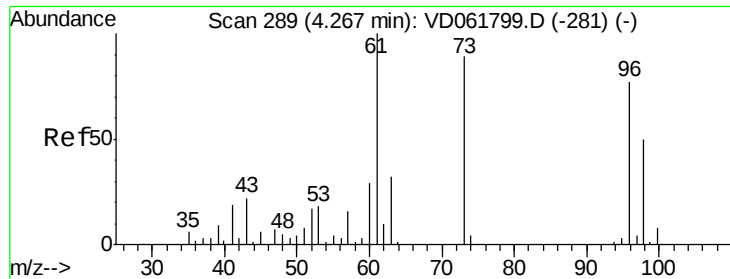
MMDadoda
4/16/2019 3:12:51 PM



#20
Methylene Chloride
Concen: 40.590 ug/l
RT: 3.85 min Scan# 247
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion: 84 Resp: 329133
Ion Ratio Lower Upper
84 100
49 117.5 94.0 141.0
51 36.2 29.0 43.4
86 62.2 49.8 74.6





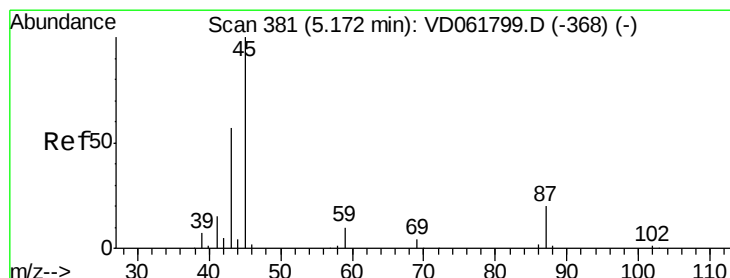
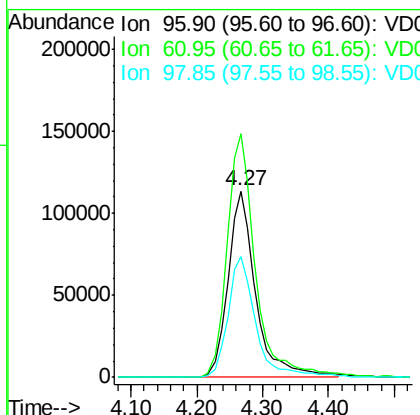
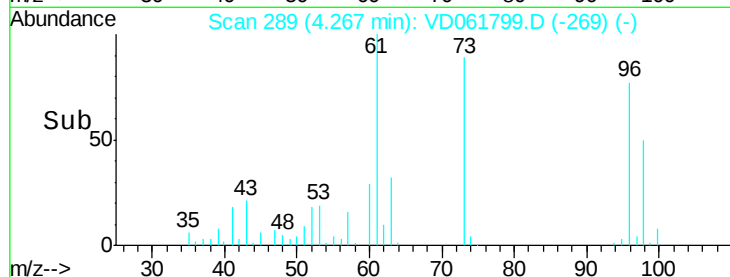
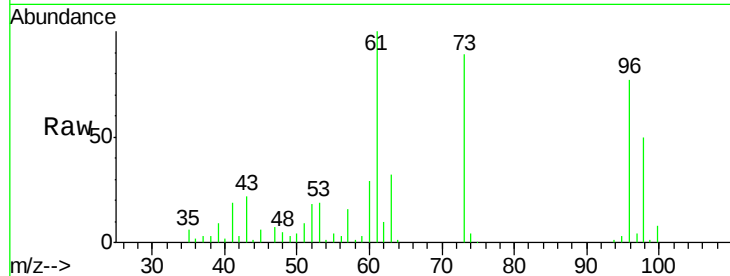
#21
trans-1,2-Dichloroethene
Concen: 49.959 ug/l
RT: 4.27 min Scan# 289
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.5	104.4	156.6
98	64.8	51.8	77.8

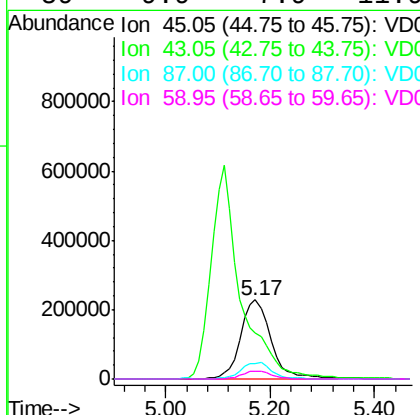
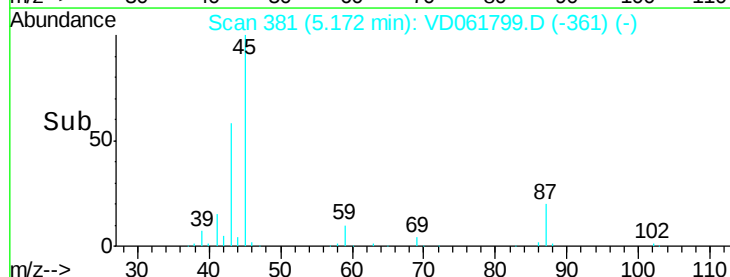
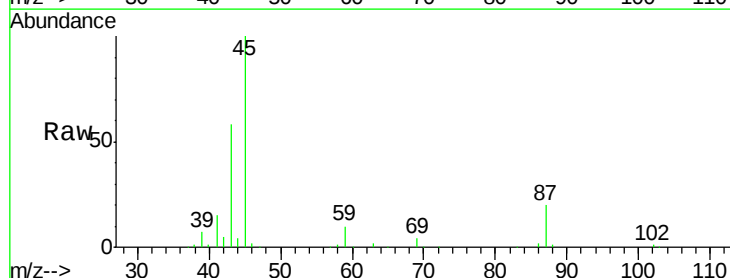
Manual Integrations
APPROVED

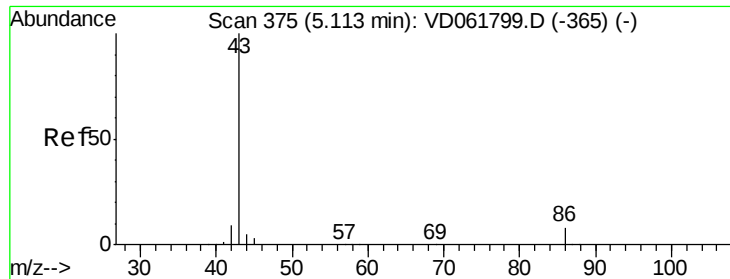
MMDadoda
4/16/2019 3:12:51 PM



#22
Diisopropyl ether
Concen: 50.841 ug/l
RT: 5.17 min Scan# 381
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.7	46.2	69.2
87	19.9	15.9	23.9
59	9.9	7.9	11.9





#23

Vinyl Acetate

Concen: 252.451 ug/l

RT: 5.11 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2393204

Ion Ratio Lower Upper

43 100

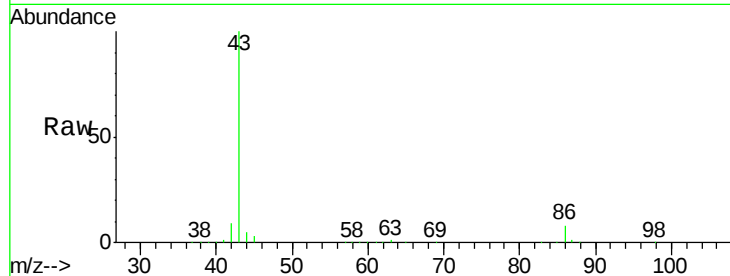
86 8.0 6.4 9.6

Manual Integrations

APPROVED

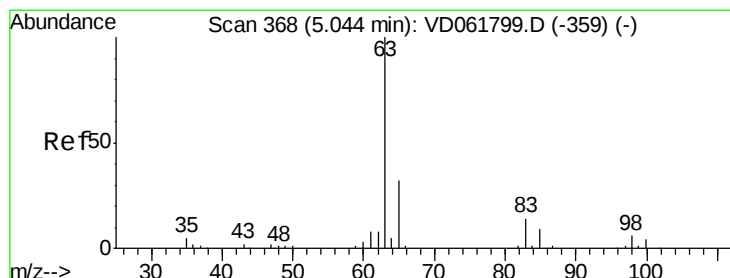
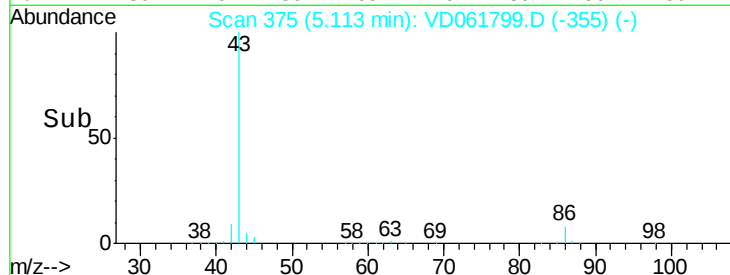
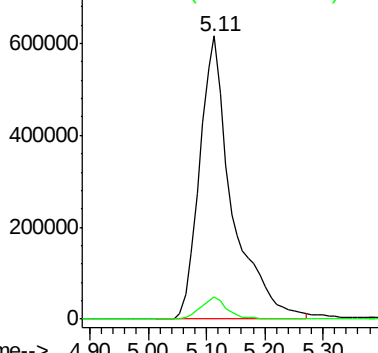
MMDadoda

4/16/2019 3:12:51 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.691 ug/l

RT: 5.04 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

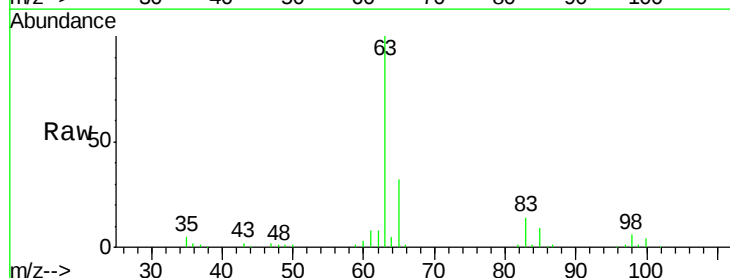
Tgt Ion: 63 Resp: 524887

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

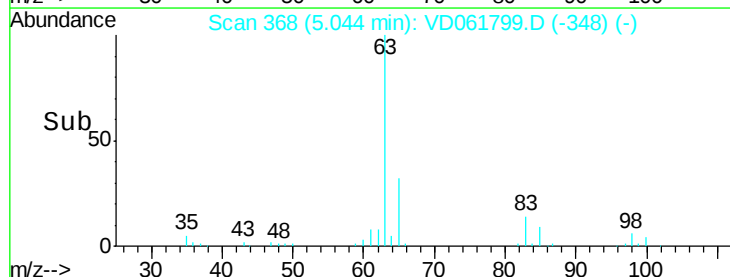
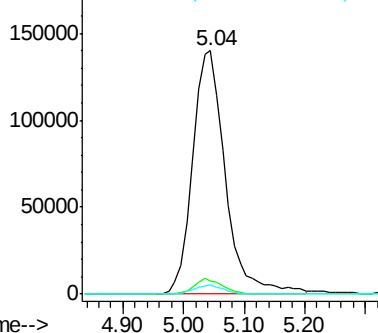
100 3.7 1.8 5.5

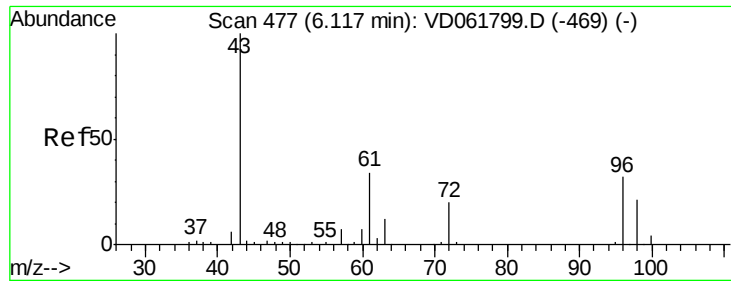


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 242.793 ug/l

RT: 6.12 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 371486

Ion Ratio Lower Upper

43 100

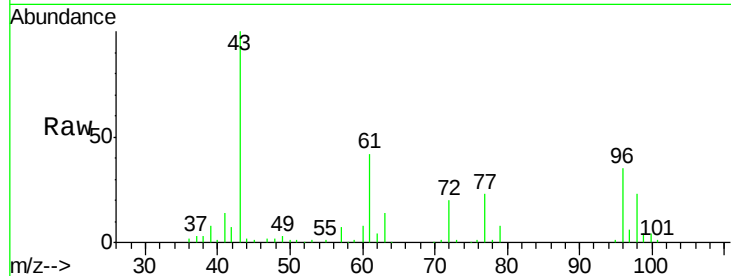
72 20.3 16.2 24.4

Manual Integrations

APPROVED

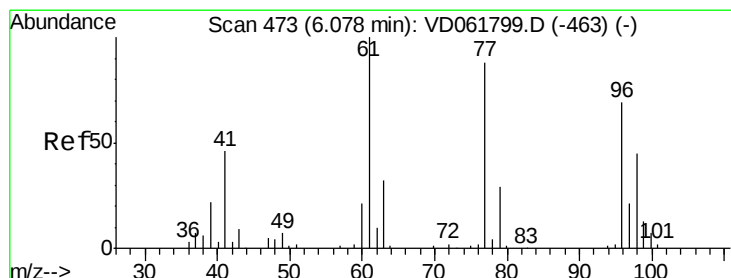
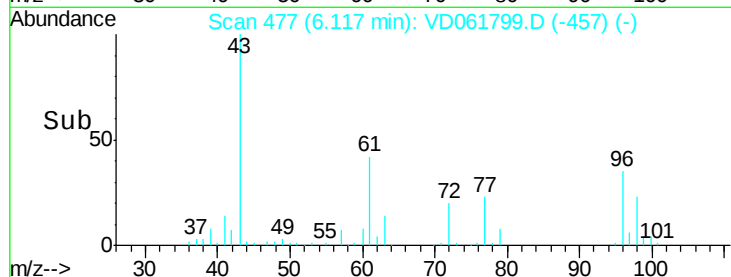
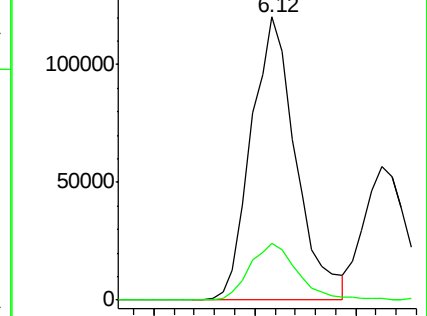
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.301 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD061799.D

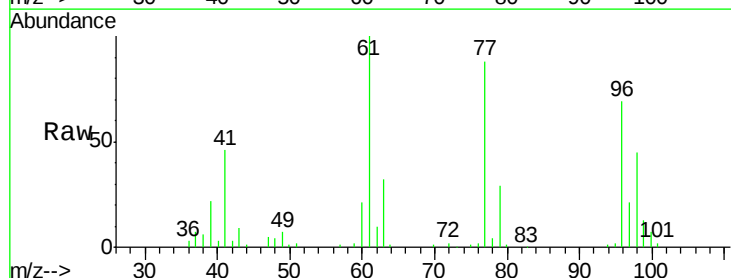
Acq: 15 Apr 2019 14:09

Tgt Ion: 77 Resp: 450520

Ion Ratio Lower Upper

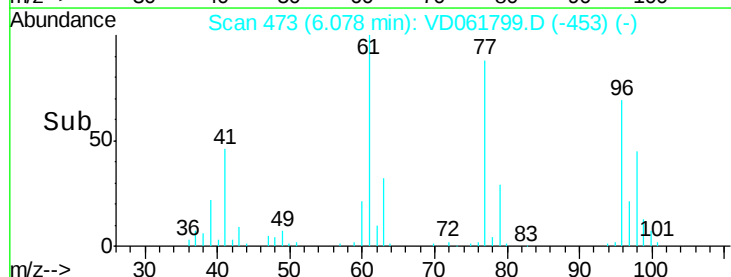
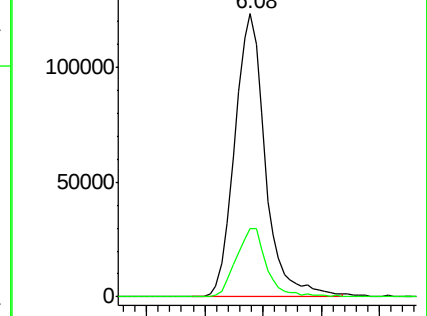
77 100

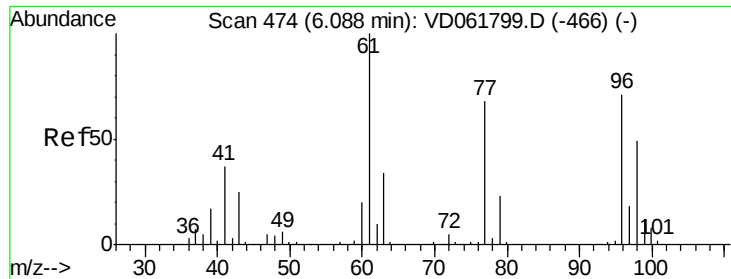
97 23.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

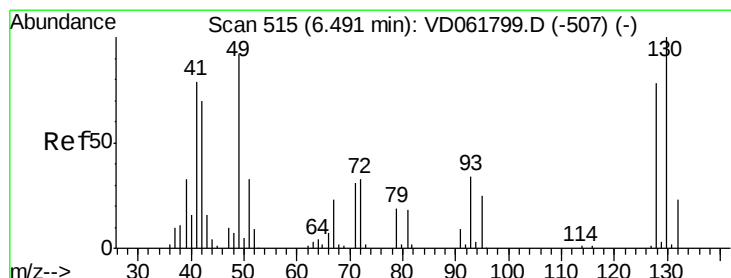
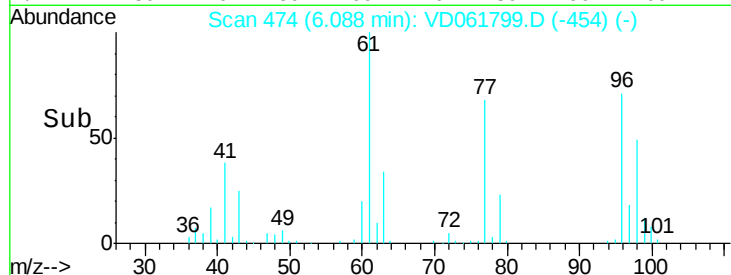
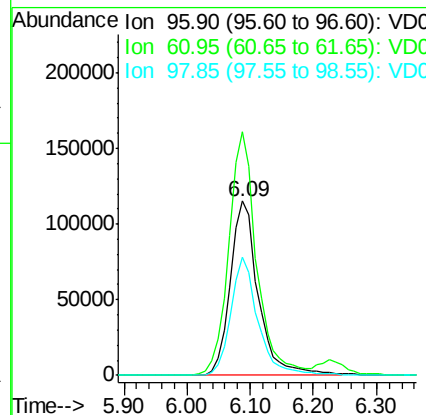
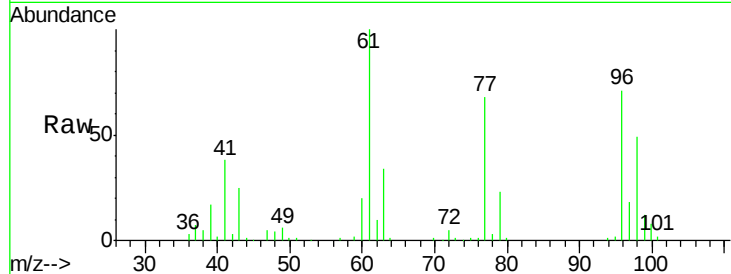
cis-1,2-Dichloroethene
Concen: 48.594 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	353628		
61	139.9	0.0	279.8	
98	68.0	0.0	136.0	

Manual Integrations
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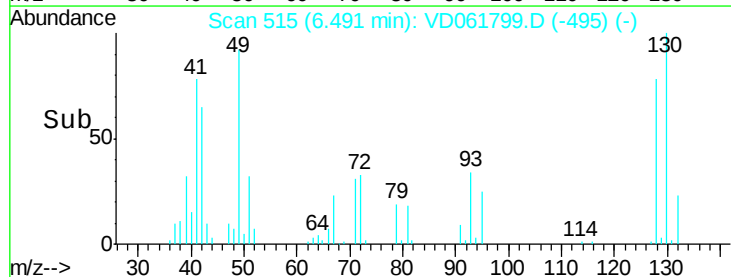
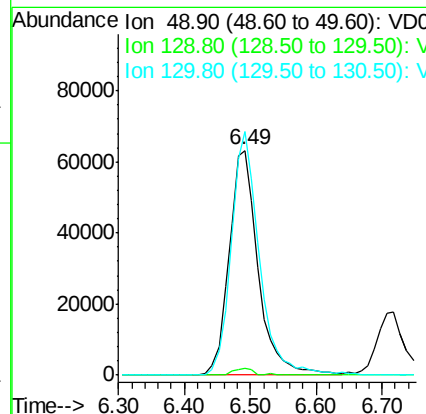
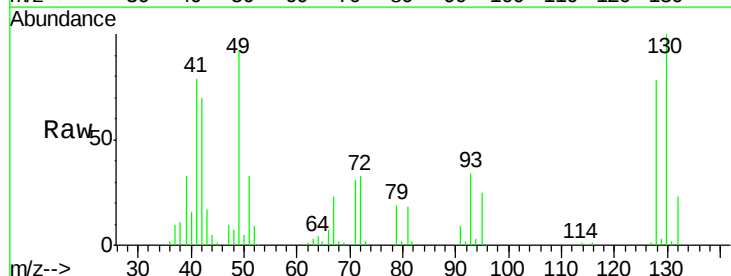
MMDadoda
4/16/2019 3:12:51 PM



#28

Bromochloromethane
Concen: 47.800 ug/l
RT: 6.49 min Scan# 515
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	195926		
129	3.3	0.0	6.6	
130	108.4	86.7	130.1	





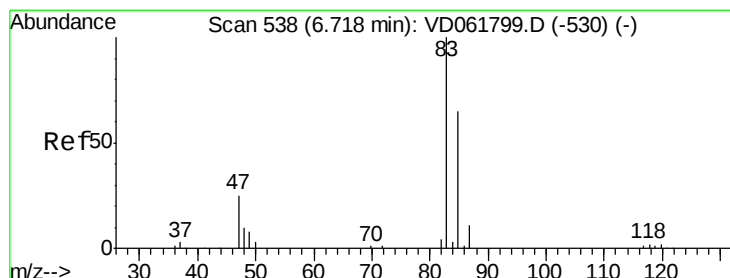
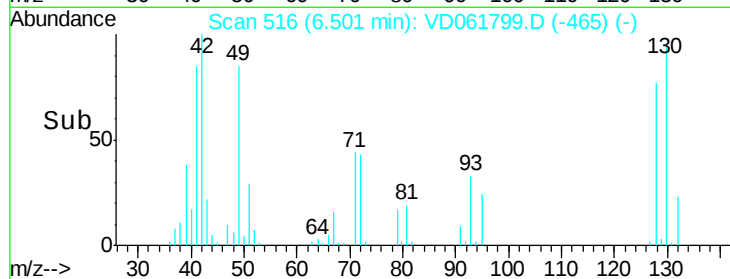
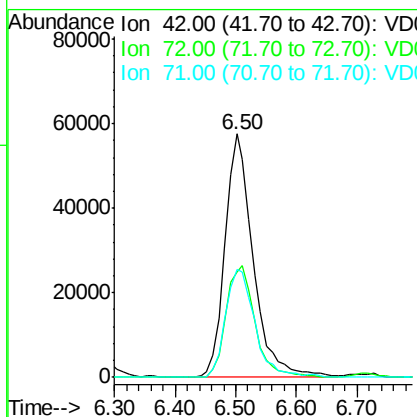
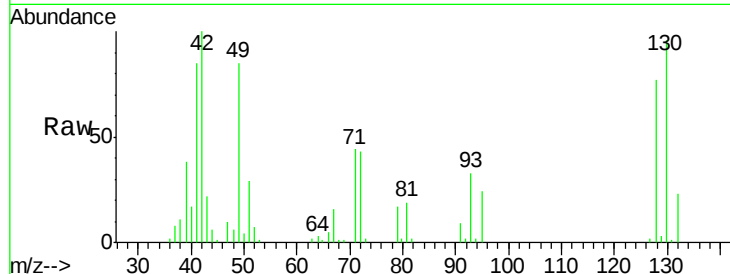
#29
Tetrahydrofuran
Concen: 249.067 ug/l
RT: 6.50 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.8	56.6
71	45.9	36.7	55.1

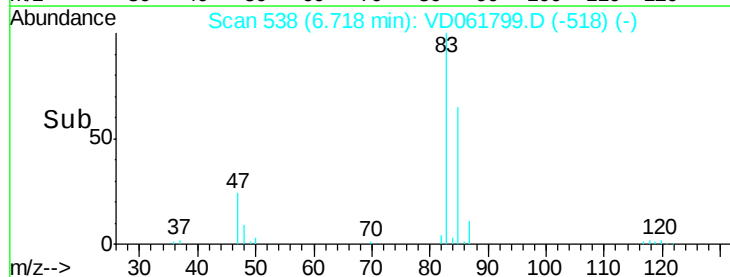
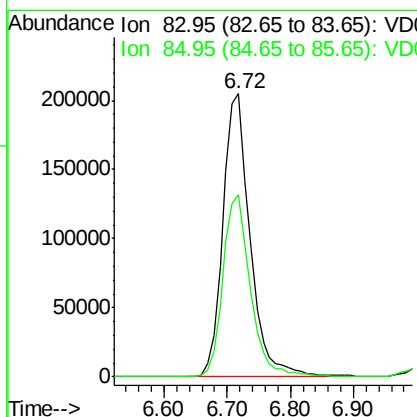
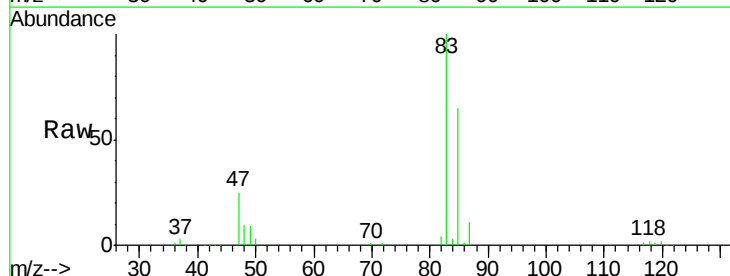
Manual Integrations
APPROVED

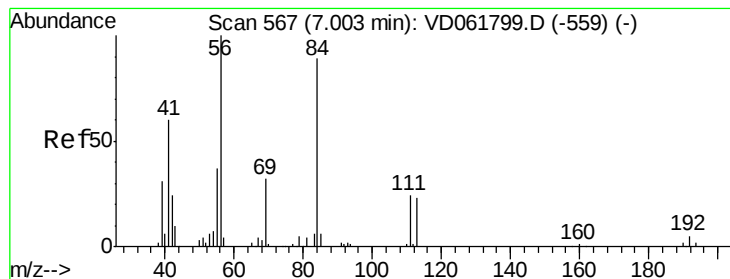
MMDadoda
4/16/2019 3:12:51 PM



#30
Chloroform
Concen: 50.885 ug/l
RT: 6.72 min Scan# 538
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.7	77.5





#31

Cyclohexane

Concen: 51.992 ug/l

RT: 7.00 min Scan# 567

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

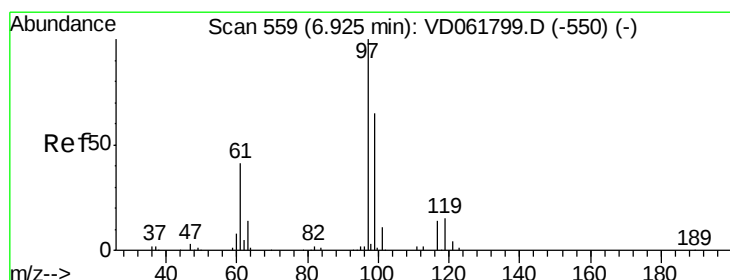
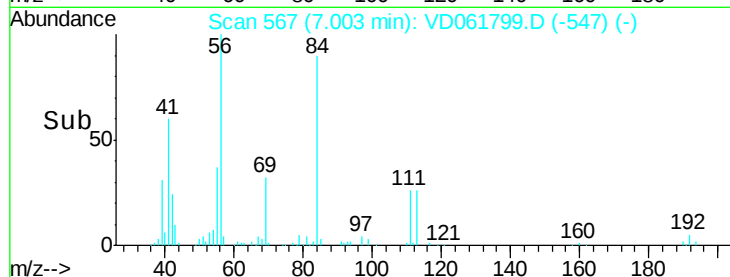
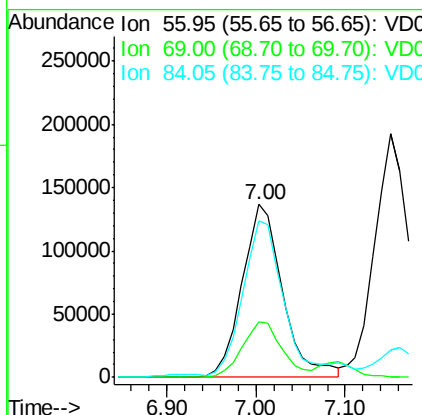
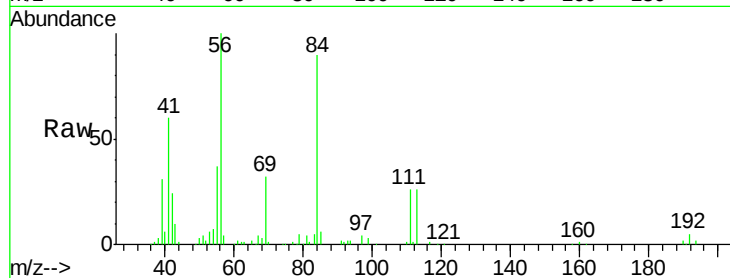
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	429389
Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.8	38.6
84	90.3	72.2	108.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.093 ug/l

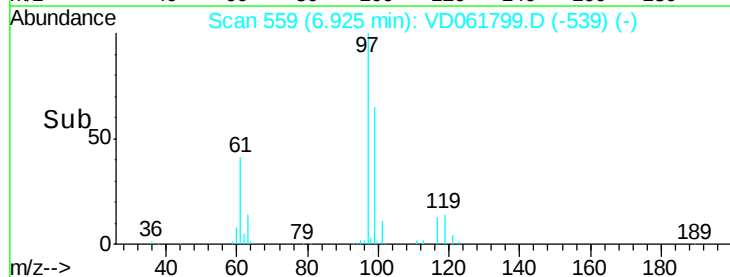
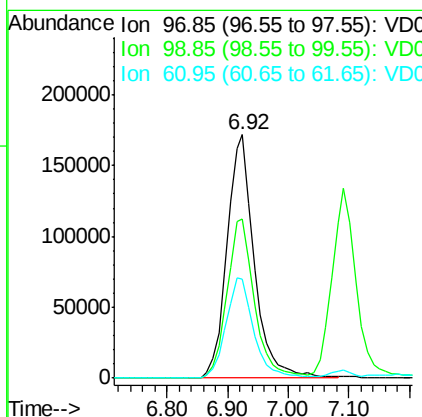
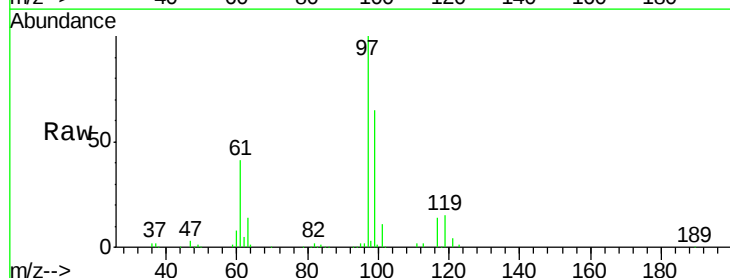
RT: 6.92 min Scan# 559

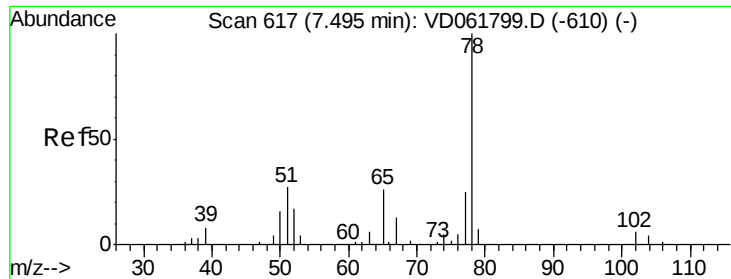
Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Tgt Ion:	97	Resp:	534329
Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.2
61	40.5	32.4	48.6





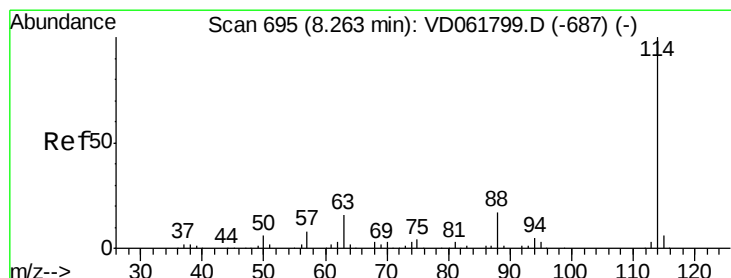
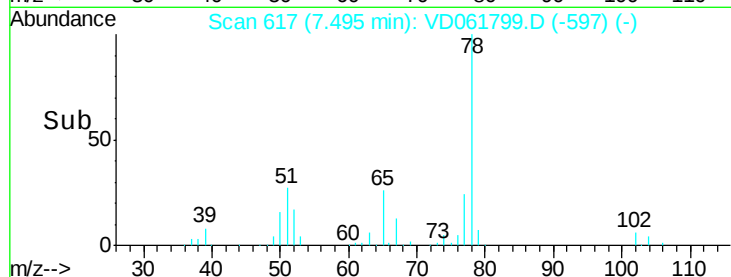
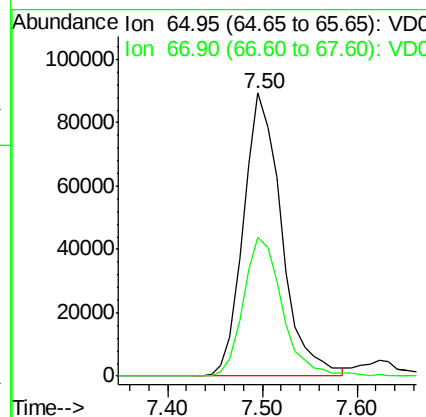
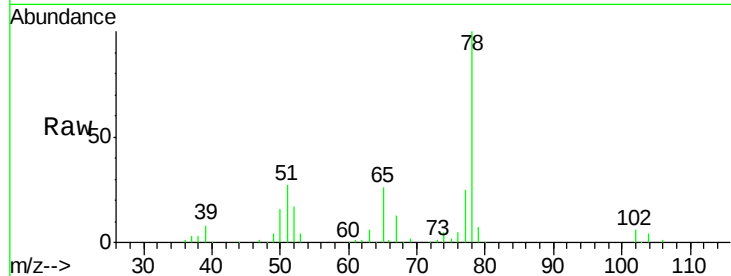
#33
 1,2-Dichloroethane-d4
 Concen: 50.093 ug/l
 RT: 7.50 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	250691		
67	49.0	0.0	98.0	

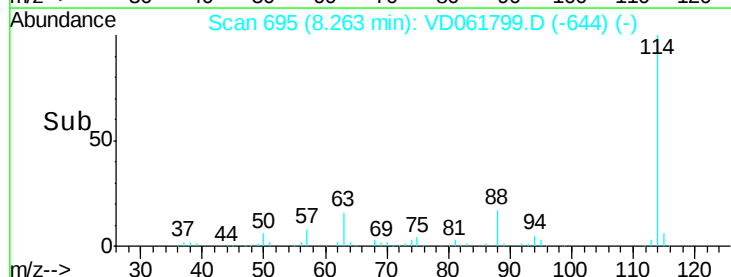
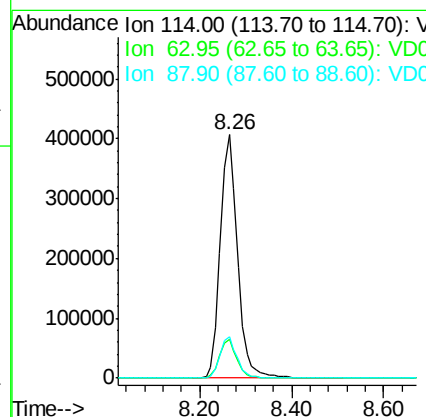
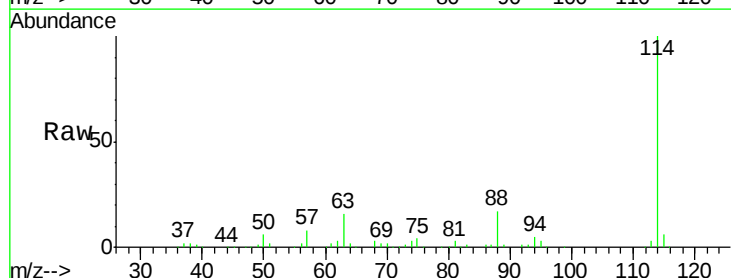
Manual Integrations
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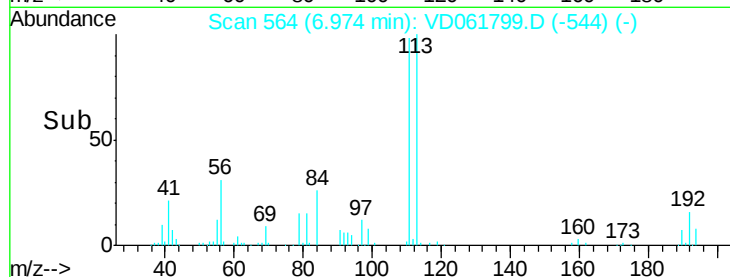
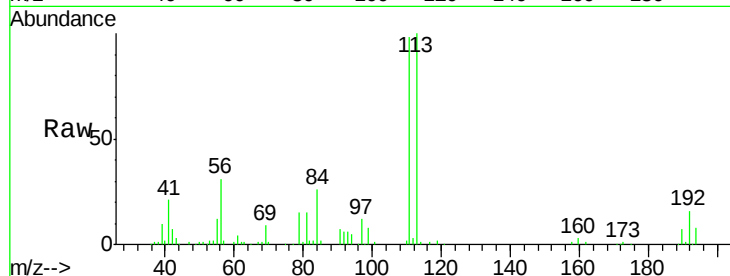
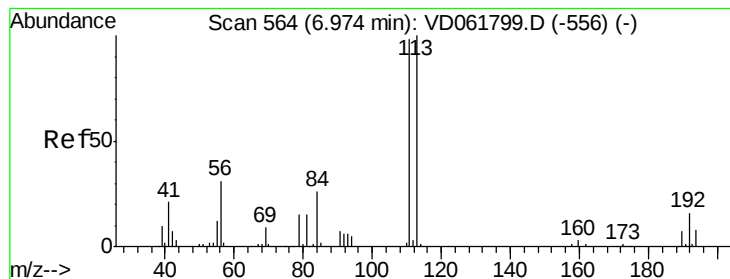
MMDadoda
 4/16/2019 3:12:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.26 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1049563		
63	16.2	0.0	32.4	
88	16.8	0.0	33.6	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.97 min Scan# 564

Delta R.T. 0.00 min

Lab File: VD061799.D

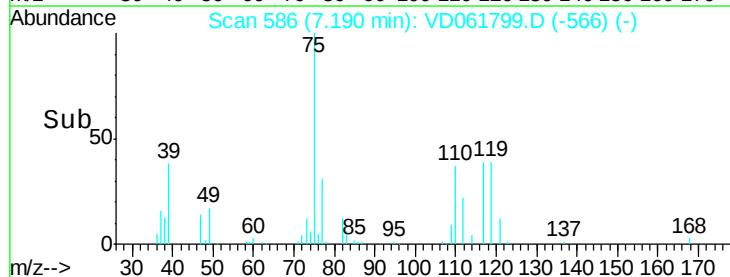
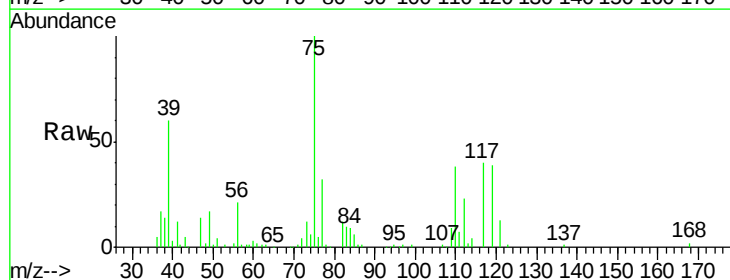
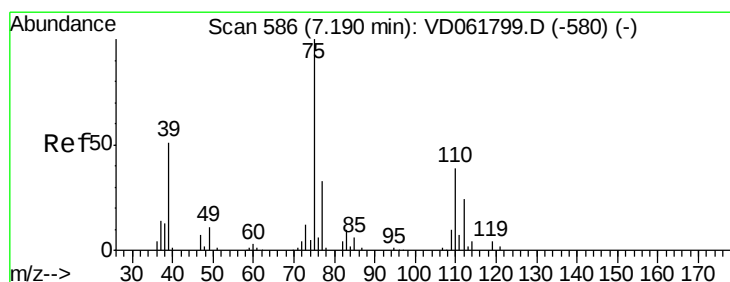
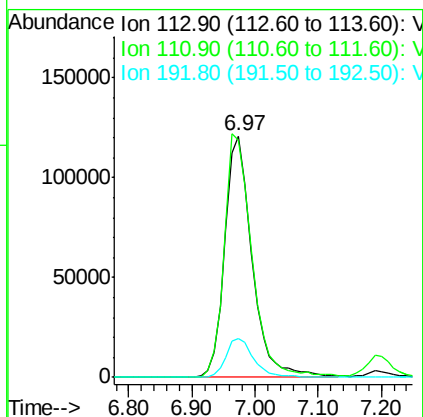
Acq: 15 Apr 2019 14:09

Tot Ion:	113	Resp:	363450
Ion Ratio	Lower	Upper	
113	100		
111	98.1	78.5	117.7
192	16.2	13.0	19.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
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4/16/2019 3:12:51 PM



#36

1,1-Dichloropropene

Concen: 49.314 ug/l

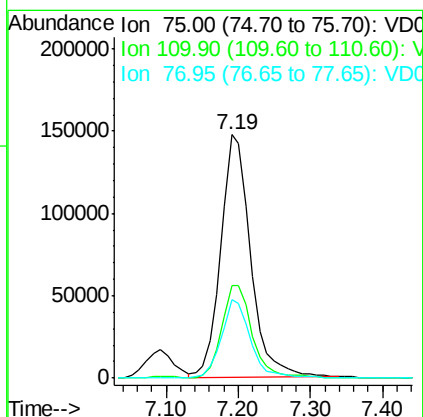
RT: 7.19 min Scan# 586

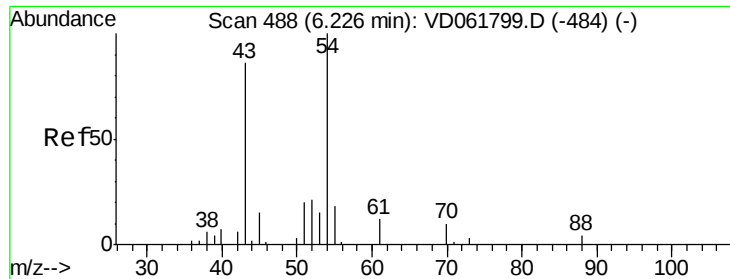
Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Tgt Ion:	75	Resp:	423031
Ion Ratio	Lower	Upper	
75	100		
110	38.1	19.1	57.1
77	32.0	25.6	38.4





#37

Ethyl Acetate

Concen: 49.090 ug/l

RT: 6.23 min Scan# 488

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

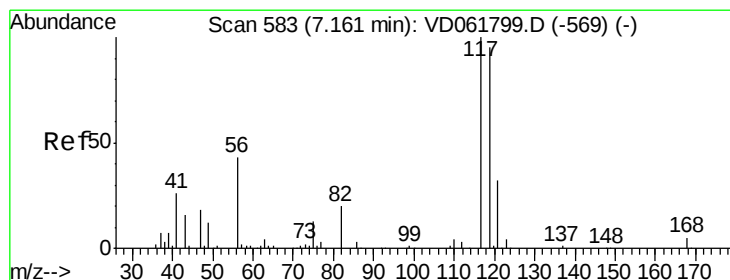
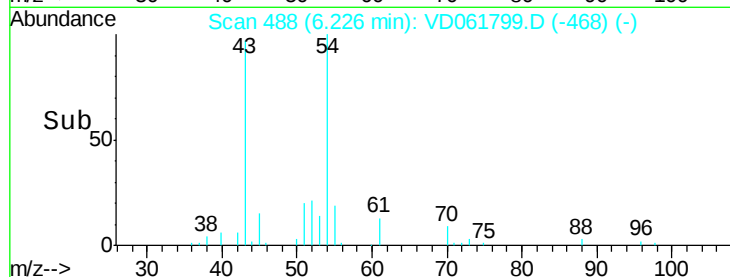
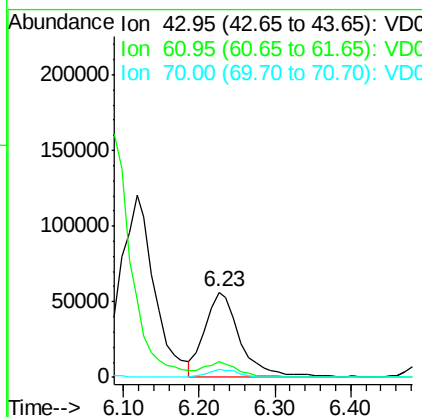
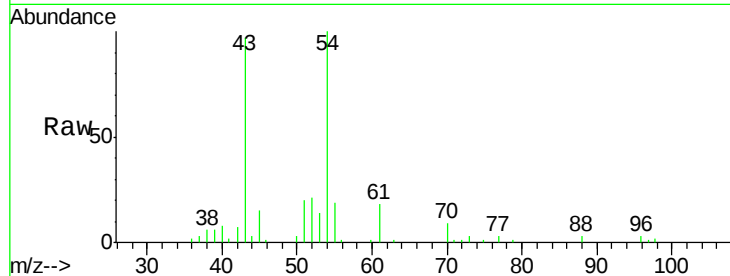
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	180196
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.7	22.1
70	9.7	7.8	11.6

Manual Integrations
APPROVED

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#38

Carbon Tetrachloride

Concen: 47.508 ug/l m

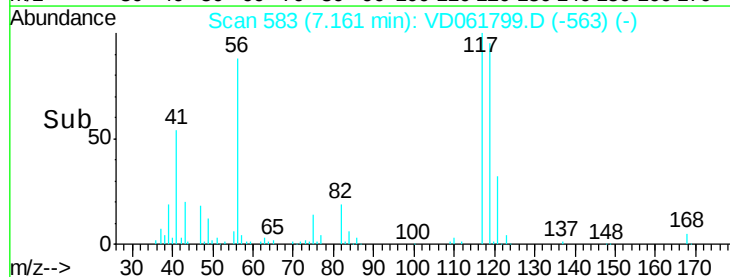
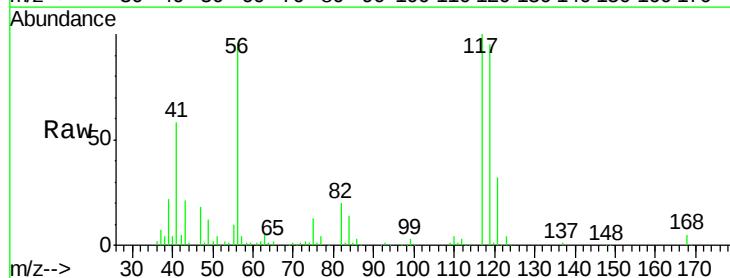
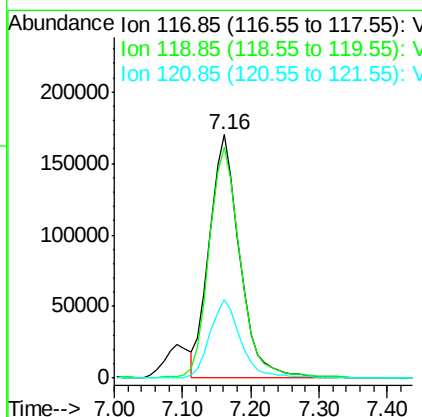
RT: 7.16 min Scan# 583

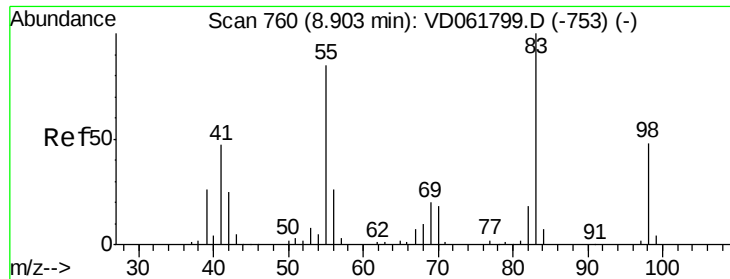
Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Tgt Ion:	117	Resp:	530465
Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
121	32.4	25.9	38.9





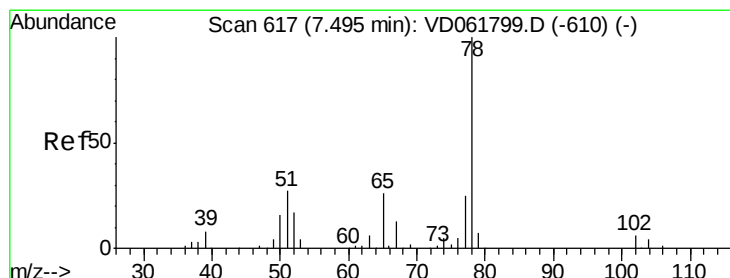
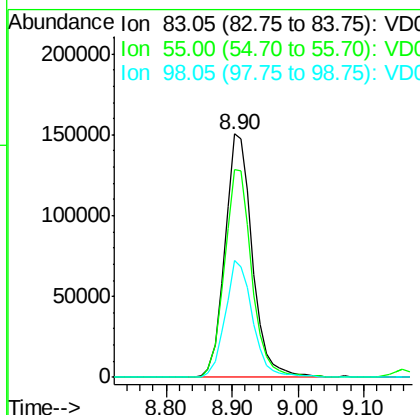
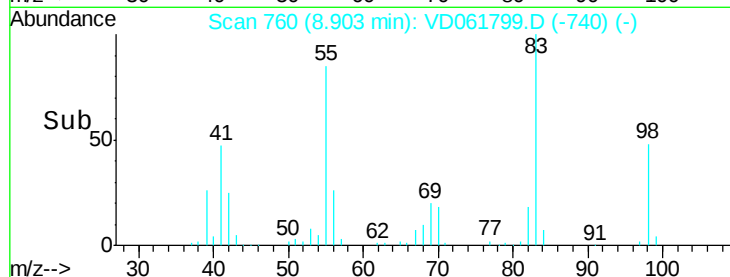
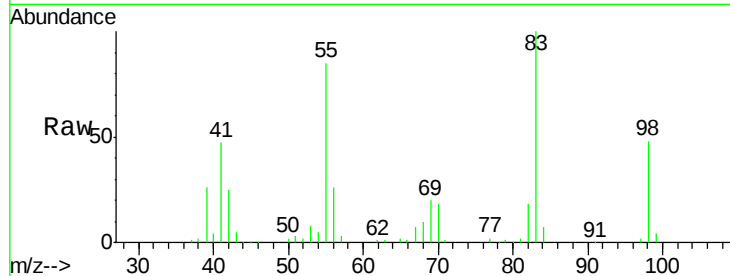
#39
Methvlcvclohexane
Concen: 49.307 ug/l
RT: 8.90 min Scan# 760
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	439147
Ion Ratio	Lower	Upper	
83	100		
55	85.3	68.2	102.4
98	47.8	38.2	57.4

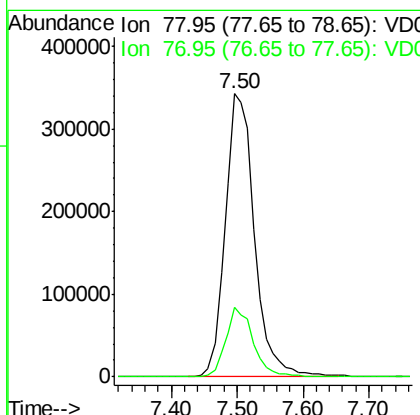
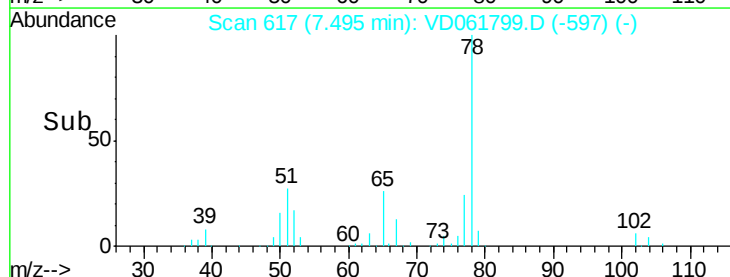
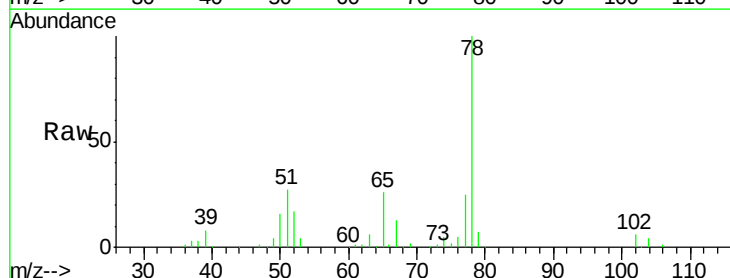
Manual Integrations
APPROVED

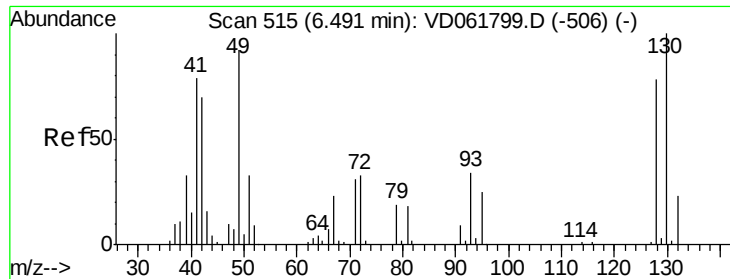
MMDadoda
4/16/2019 3:12:51 PM



#40
Benzene
Concen: 51.620 ug/l
RT: 7.50 min Scan# 617
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion	78	Resp	1063033
Ion Ratio	Lower	Upper	
78	100		
77	24.6	19.7	29.5





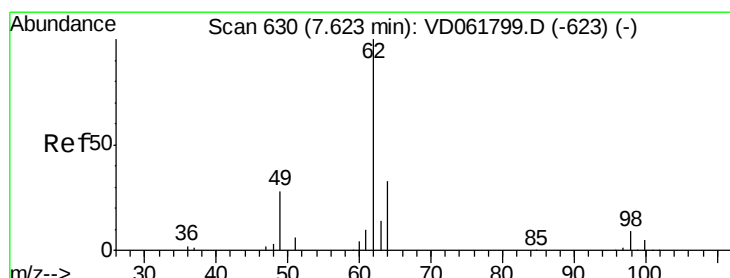
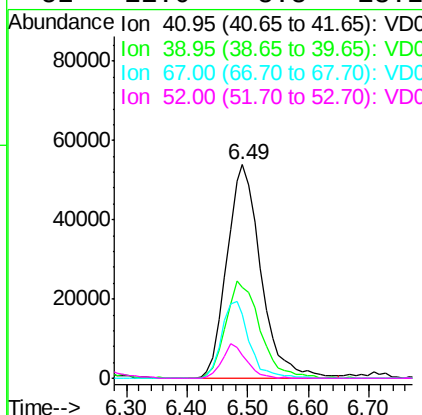
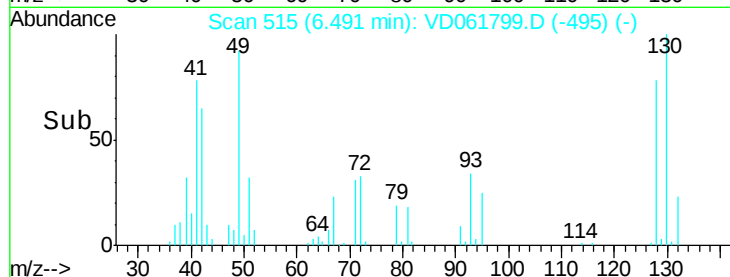
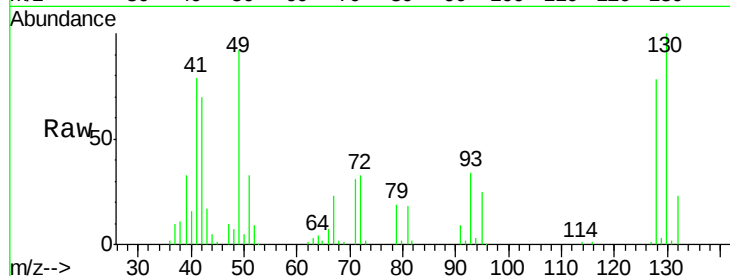
#41
Methacrylonitrile
Concen: 48.433 ug/l
RT: 6.49 min Scan# 515
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
210133	41	100		
	39	42.6	34.1	51.1
	67	29.7	23.8	35.6
	52	11.0	8.8	13.2

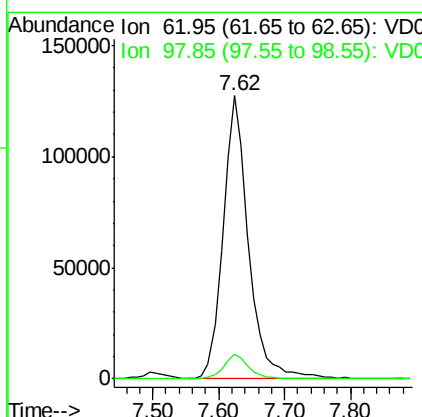
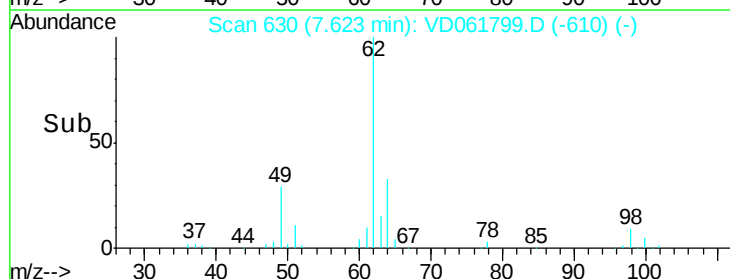
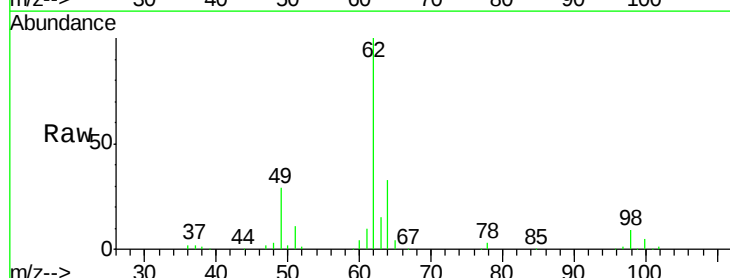
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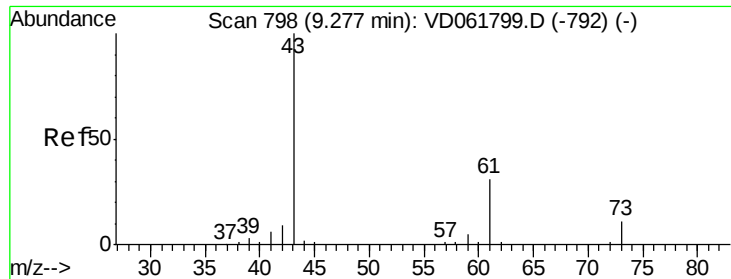
MMDadoda
4/16/2019 3:12:51 PM



#42
1,2-Dichloroethane
Concen: 47.880 ug/l
RT: 7.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion	Ion	Ratio	Lower	Upper
343357	62	100		
	98	8.9	0.0	17.8





#43

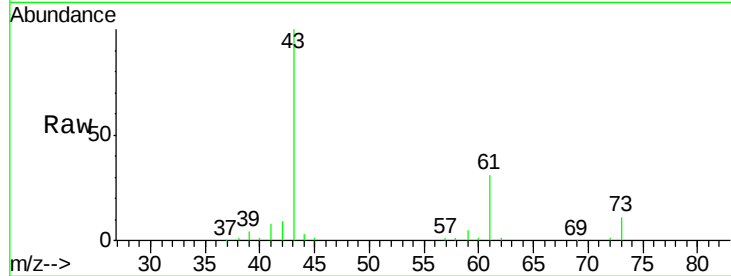
Isopropyl Acetate
 Concen: 51.256 ug/l
 RT: 9.28 min Scan# 798
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

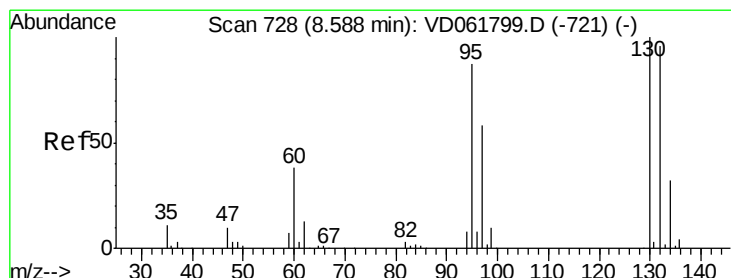
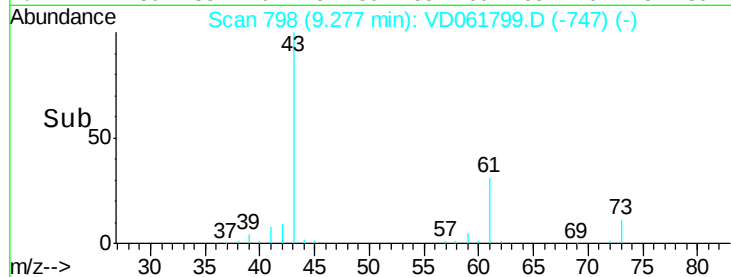
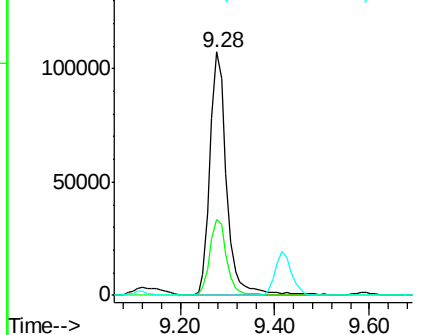
Tot Ion	Ratio	Lower	Upper
43	100		
61	31.4	25.1	37.7
87	0.0	0.0	0.0

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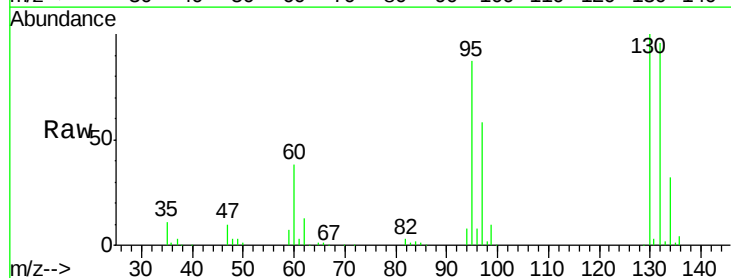
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



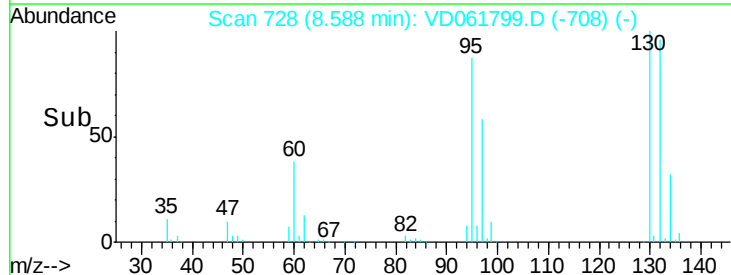
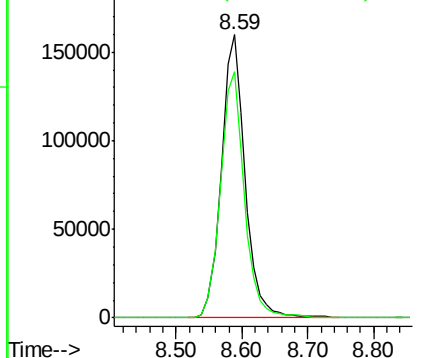
#44

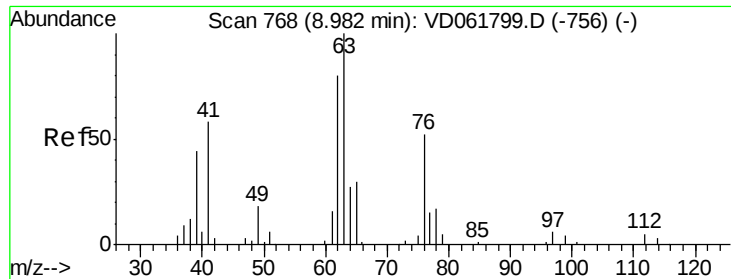
Trichloroethene
 Concen: 50.633 ug/l
 RT: 8.59 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.0	0.0	174.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VDC





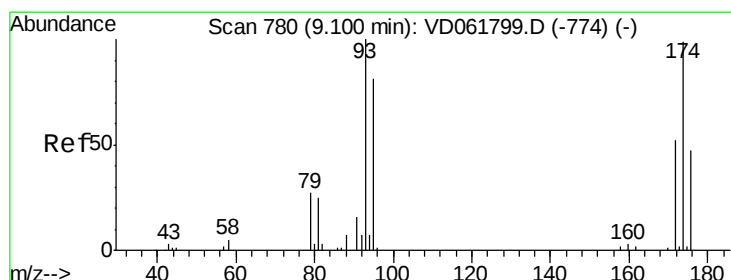
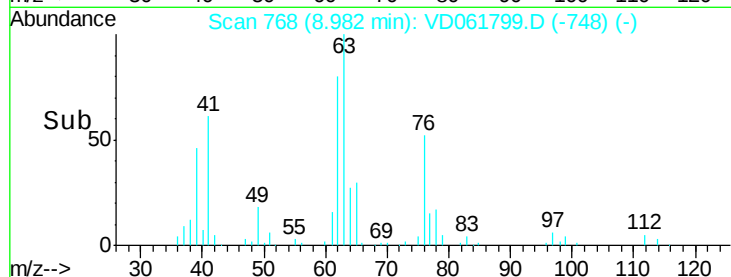
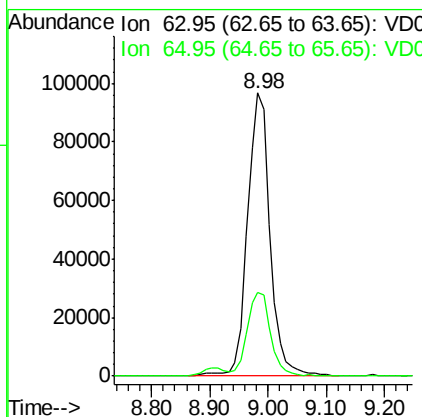
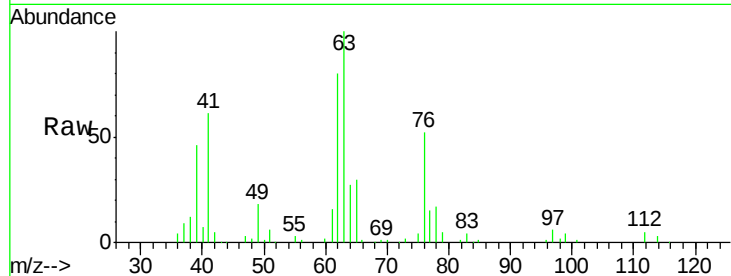
#45
 1,2-Dichloropropane
 Concen: 48.854 ug/l
 RT: 8.98 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 262022
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.8 35.6

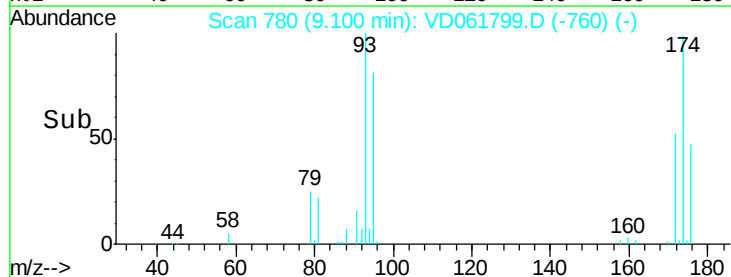
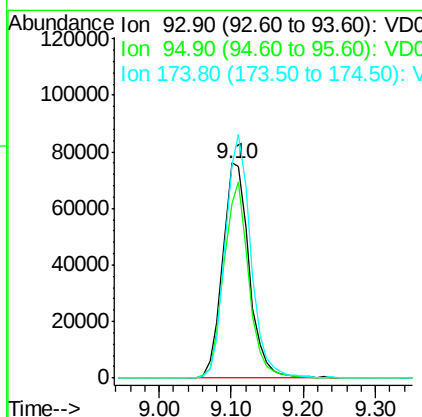
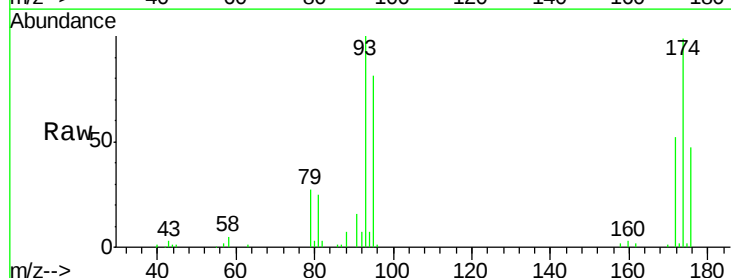
Manual Integrations
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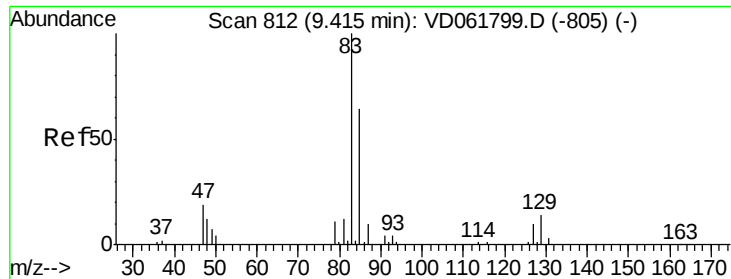
MMDadoda
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#46
 Dibromomethane
 Concen: 50.611 ug/l
 RT: 9.10 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion: 93 Resp: 193414
 Ion Ratio Lower Upper
 93 100
 95 81.0 64.8 97.2
 174 99.1 79.3 118.9





#47

Bromodichloromethane

Concen: 52.171 ug/l

RT: 9.42 min Scan# 812

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

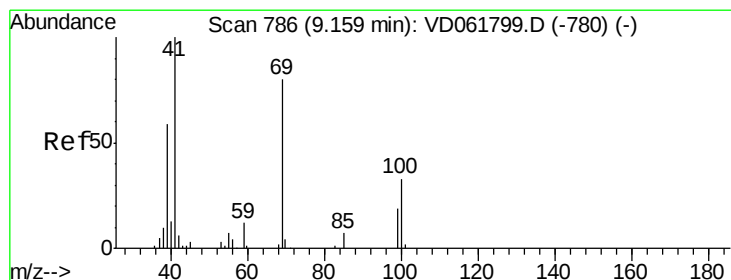
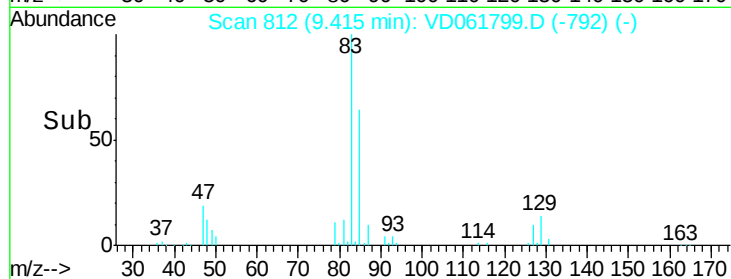
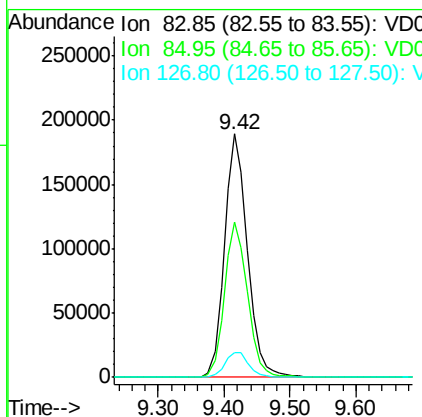
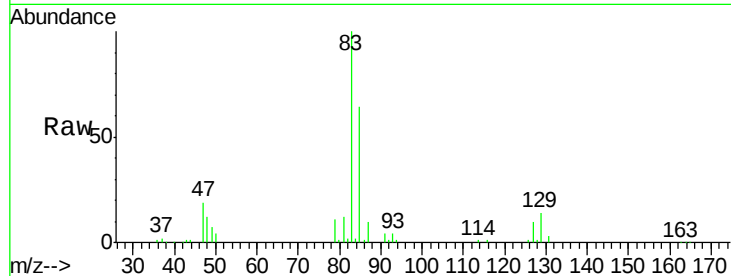
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	459969
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	10.1	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.845 ug/l

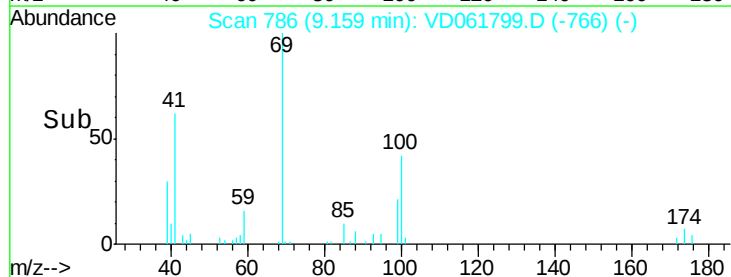
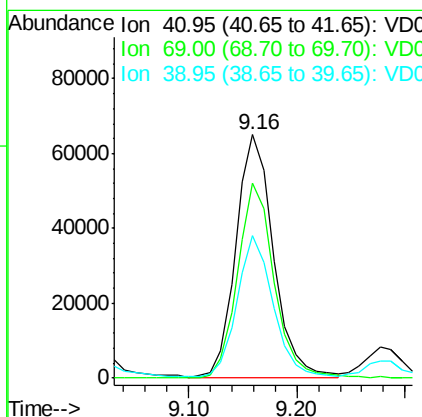
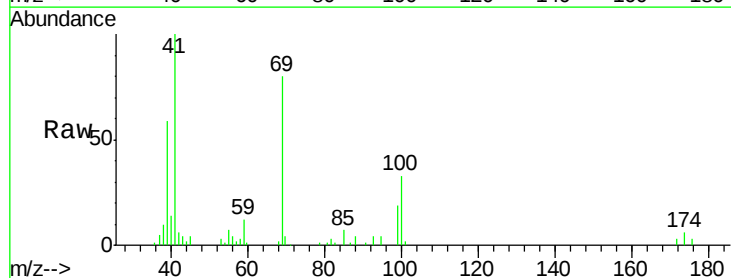
RT: 9.16 min Scan# 786

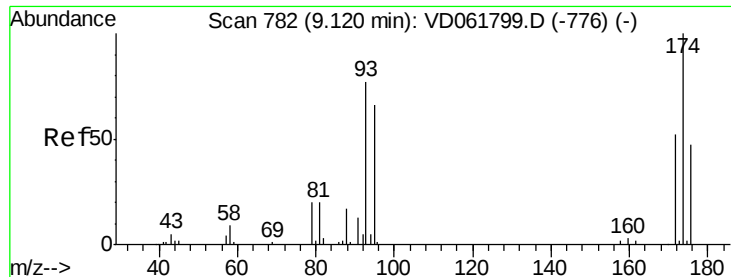
Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Tgt Ion:	41	Resp:	157422
Ion	Ratio	Lower	Upper
41	100		
69	80.2	64.2	96.2
39	58.5	46.8	70.2





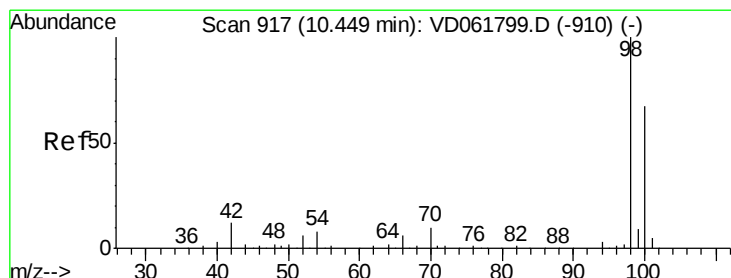
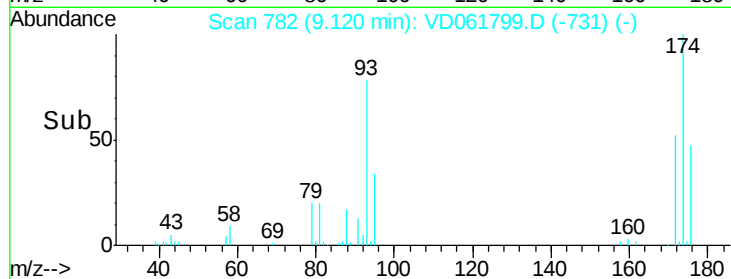
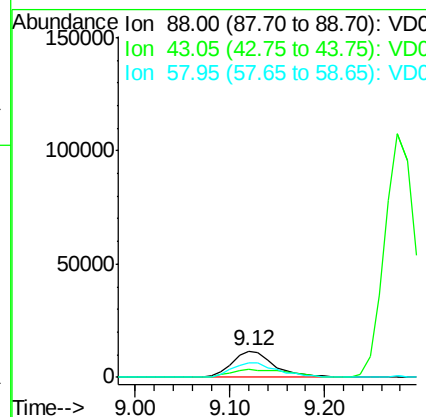
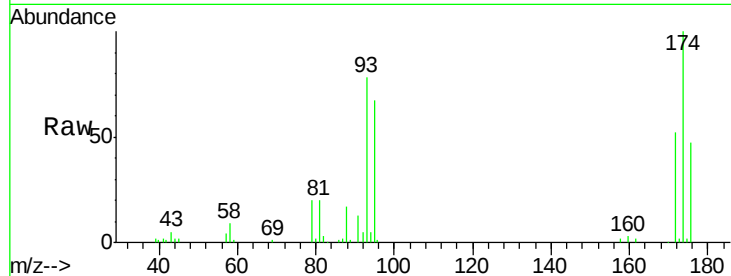
#49
1,4-Dioxane
Concen: 1057.515 ug/l
RT: 9.12 min Scan# 782
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	35097		
43	29.2	23.4	35.0	
58	55.0	44.0	66.0	

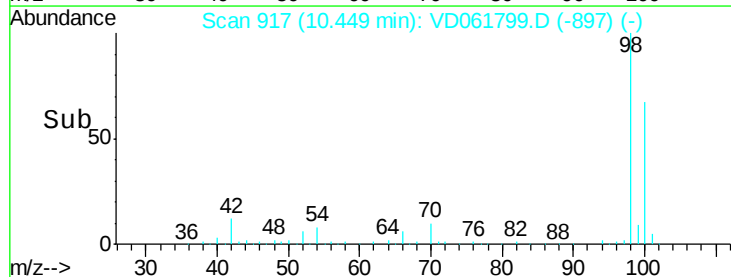
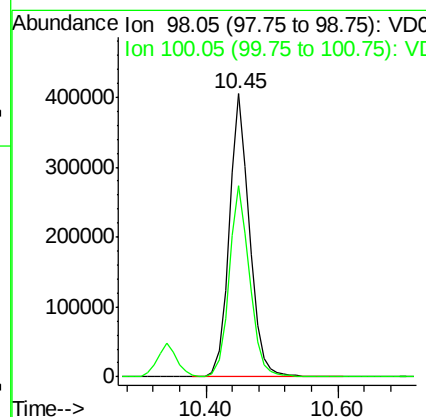
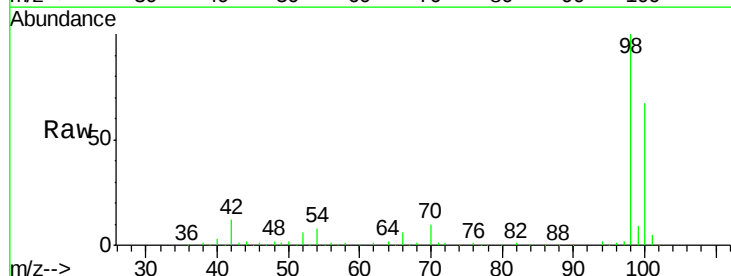
Manual Integrations
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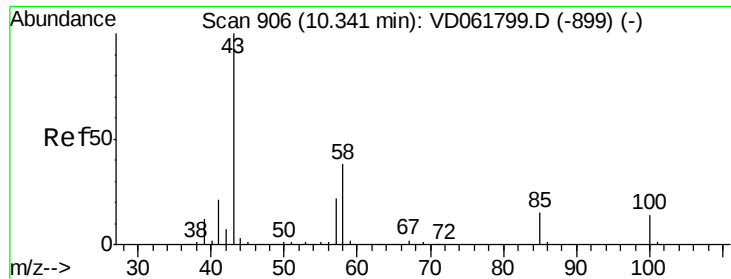
MMDadoda
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#50
Toluene-d8
Concen: 1057.515 ug/l
RT: 10.45 min Scan# 917
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	870937		
100	67.3	53.8	80.8	





#51

4-Methyl-2-Pentanone

Concen: 248.419 ug/l

RT: 10.34 min Scan# 906

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 784740

Ion Ratio Lower Upper

43 100

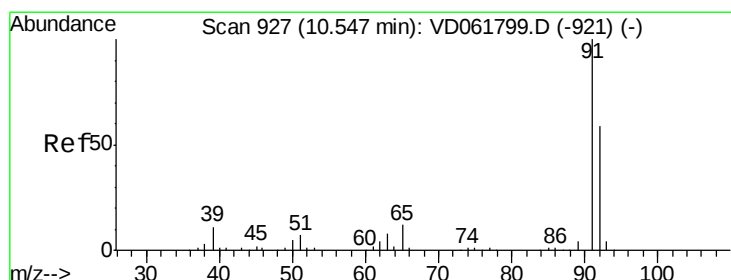
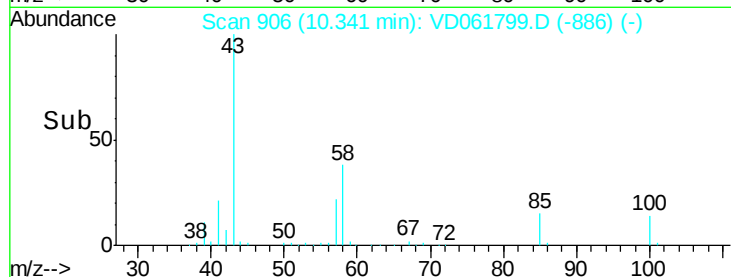
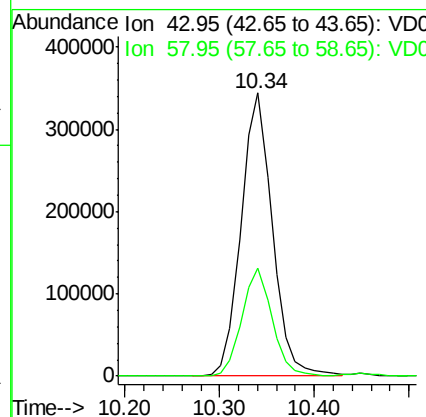
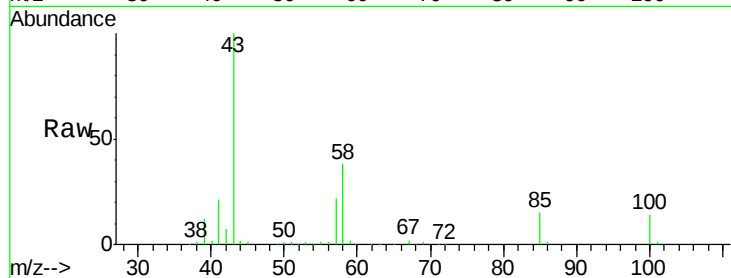
58 38.0 30.4 45.6

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#52

Toluene

Concen: 48.052 ug/l

RT: 10.55 min Scan# 927

Delta R.T. 0.00 min

Lab File: VD061799.D

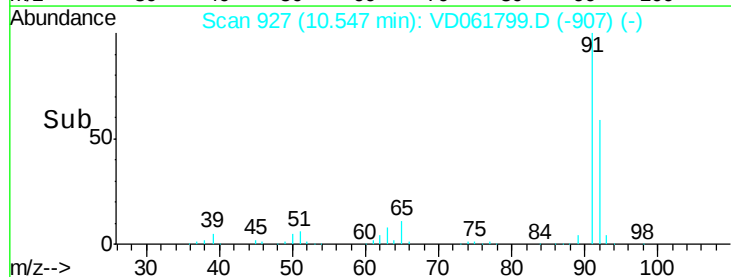
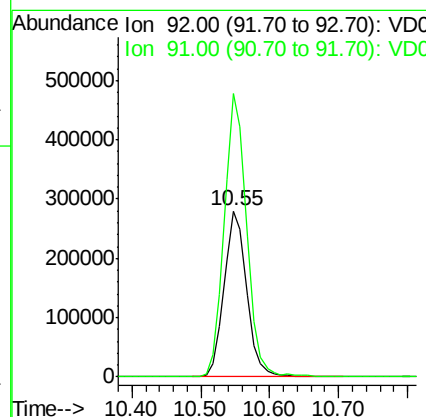
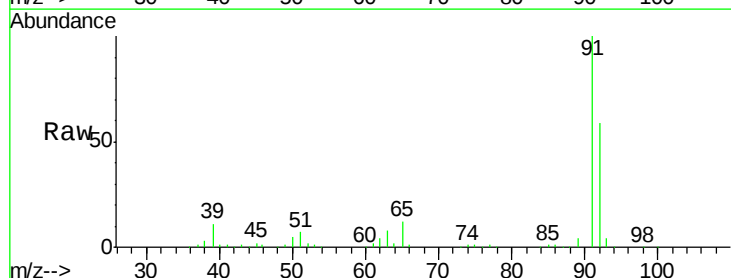
Acq: 15 Apr 2019 14:09

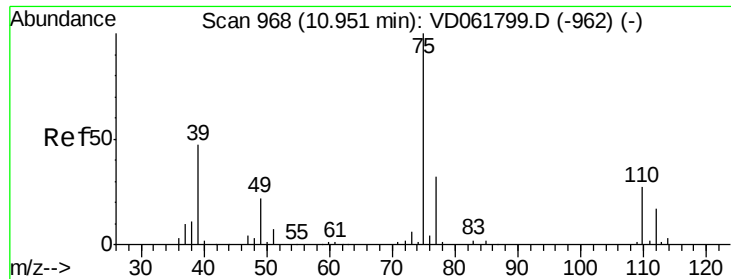
Tgt Ion: 92 Resp: 634046

Ion Ratio Lower Upper

92 100

91 170.7 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 51.777 ug/l

RT: 10.95 min Scan# 968

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Tot Ion: 75 Resp: 411331

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

Instrument :

MSVOA_D

ClientSampleId :

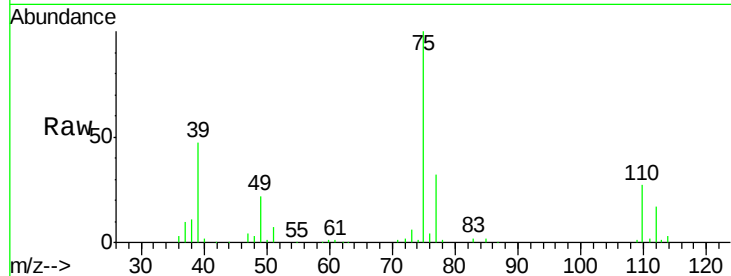
VSTDICCC050

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.95

200000

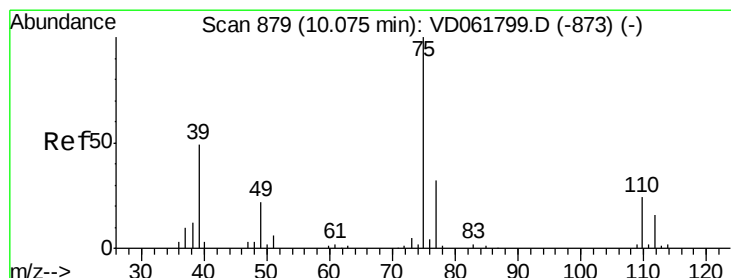
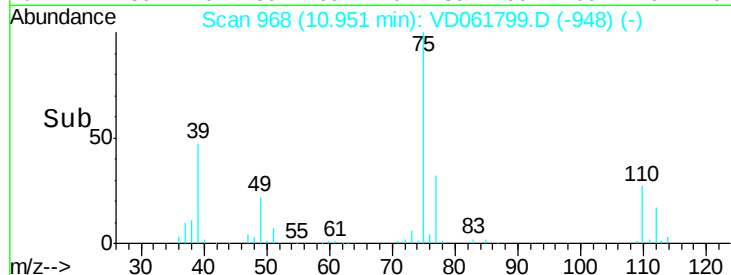
150000

100000

50000

0

Time--> 10.80 10.90 11.00 11.10



#54

cis-1,3-Dichloropropene

Concen: 51.296 ug/l

RT: 10.07 min Scan# 879

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

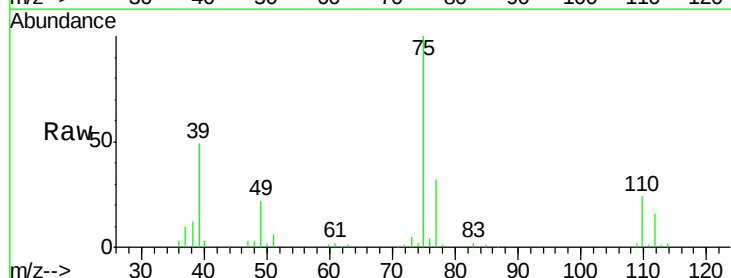
Tgt Ion: 75 Resp: 478347

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

39 49.3 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

250000

200000

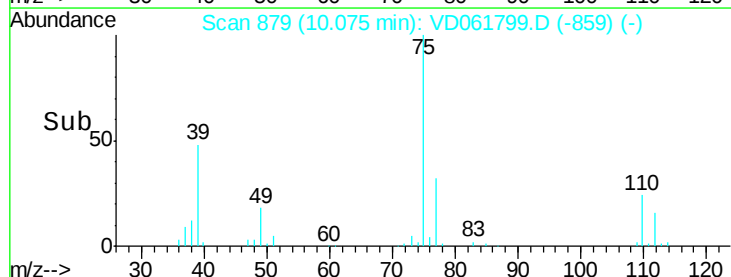
150000

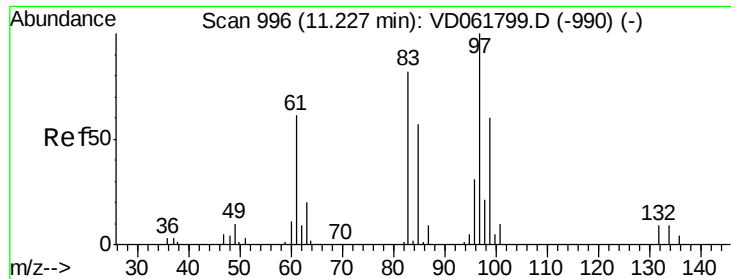
100000

50000

0

Time--> 10.00 10.10 10.20





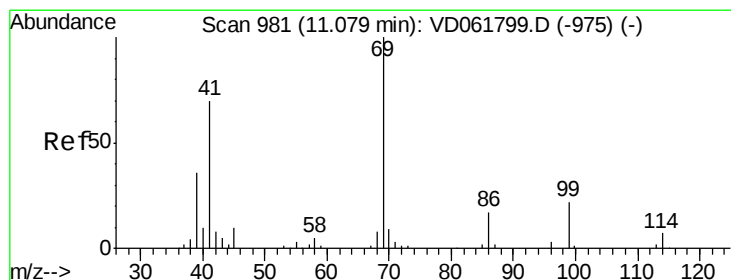
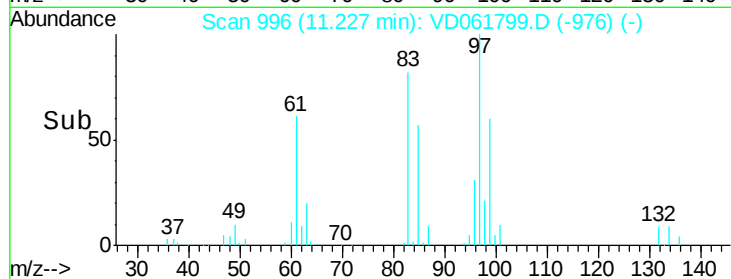
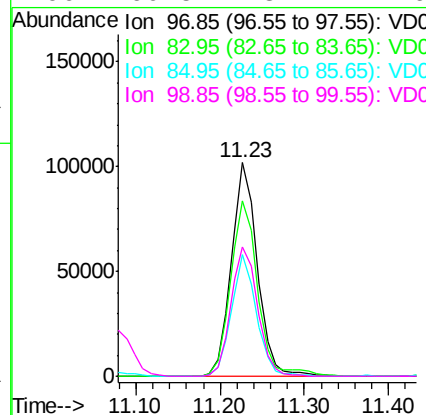
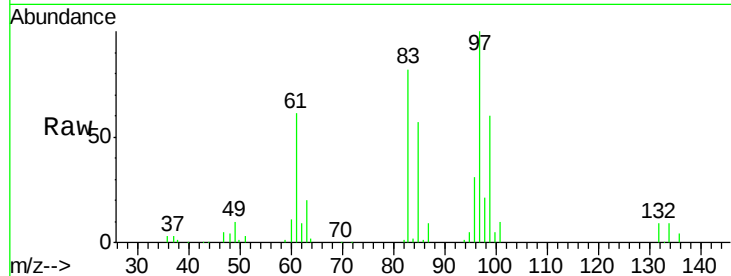
#55
 1,1,2-Trichloroethane
 Concen: 49.021 ug/l
 RT: 11.23 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	97	Resp	217957
Ion Ratio	Lower	Upper	
97	100		
83	82.1	65.7	98.5
85	57.0	45.6	68.4
99	60.5	48.4	72.6

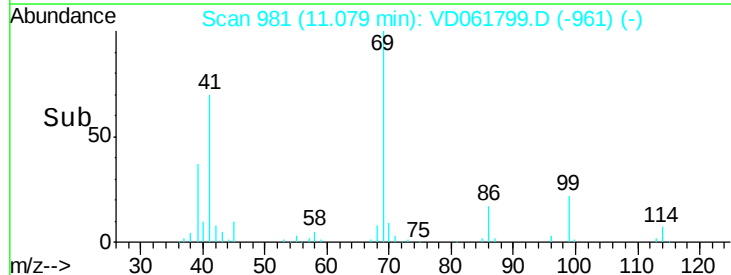
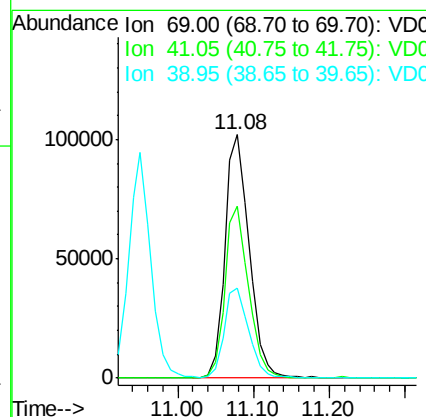
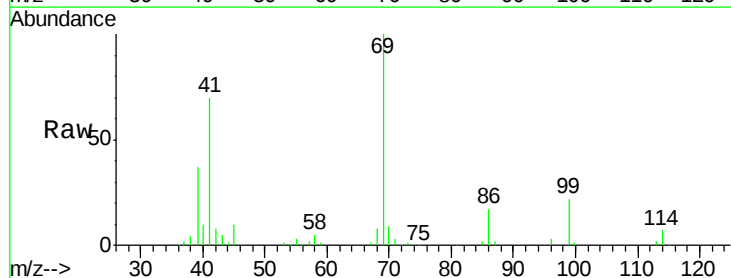
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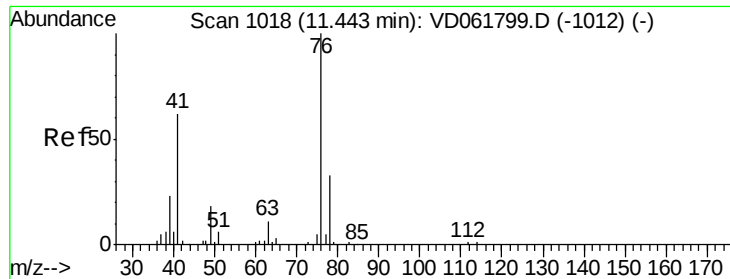
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#56
 Ethyl methacrylate
 Concen: 46.348 ug/l
 RT: 11.08 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion	69	Resp	226176
Ion Ratio	Lower	Upper	
69	100		
41	70.4	56.3	84.5
39	36.8	29.4	44.2





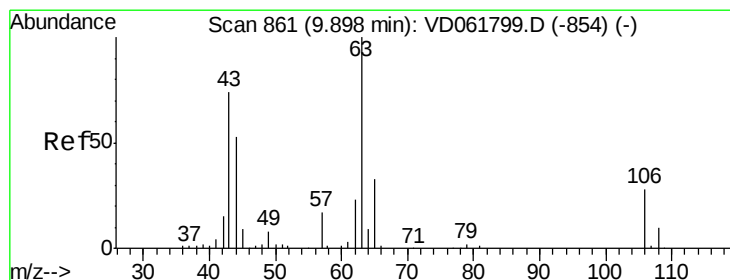
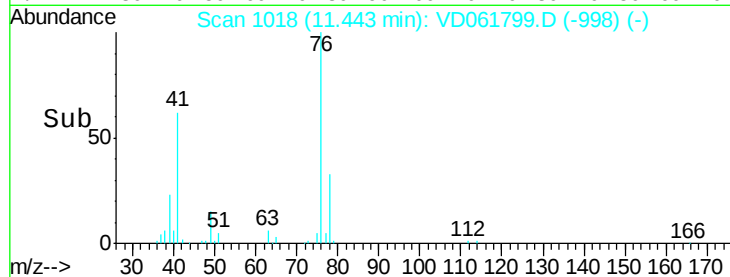
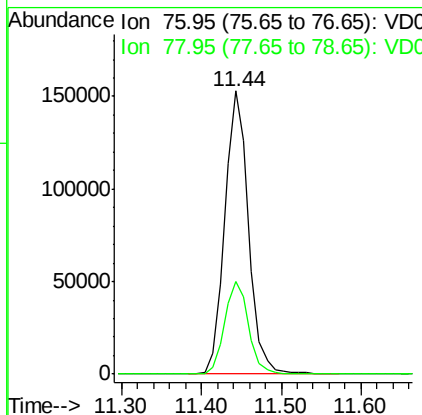
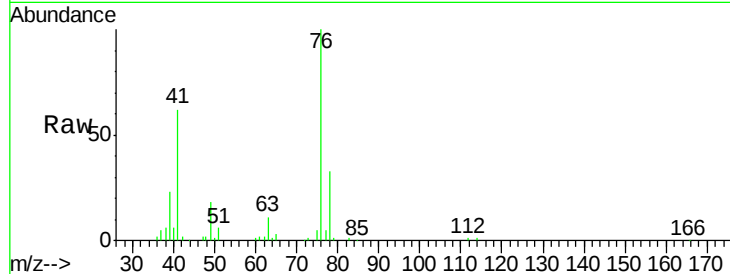
#57
 1,3-Dichloropropane
 Concen: 47.767 ug/l
 RT: 11.44 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 319292
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.2

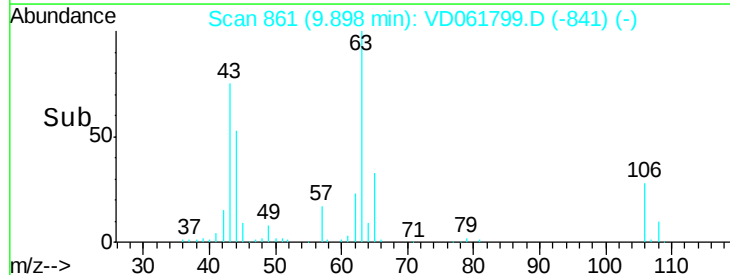
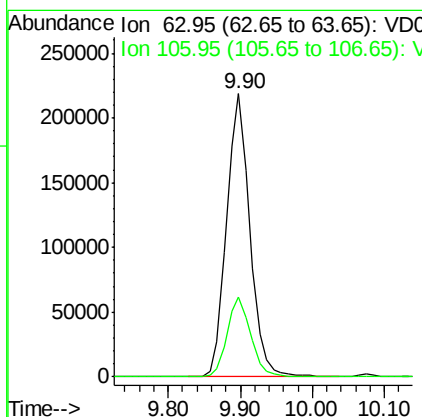
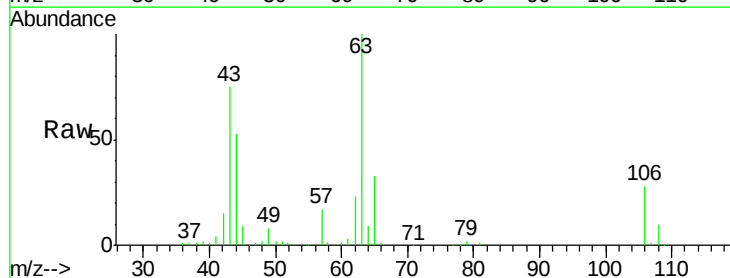
Manual Integrations
 APPROVED

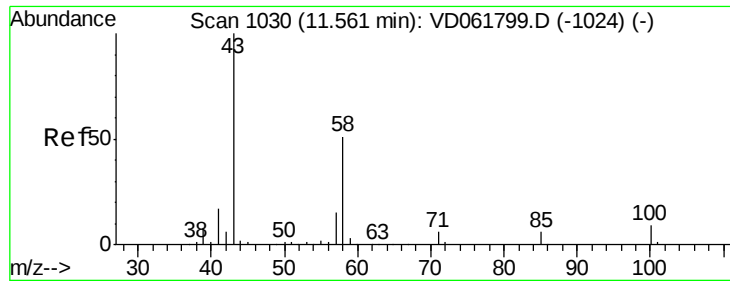
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 211.738 ug/l
 RT: 9.90 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion: 63 Resp: 491465
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.6 34.0





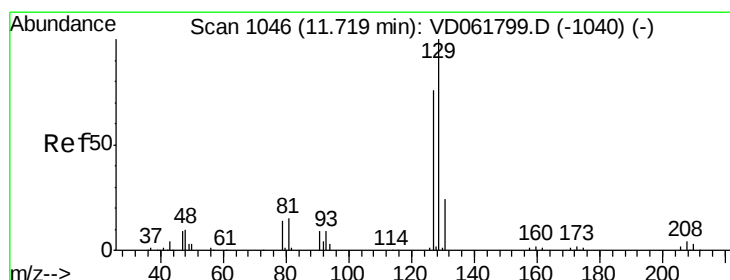
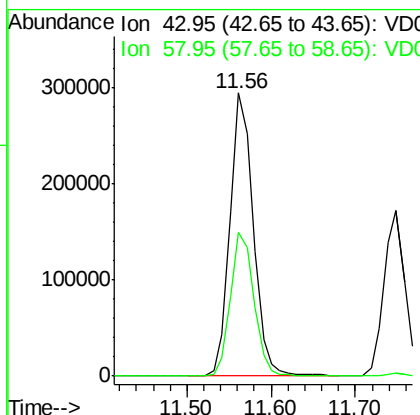
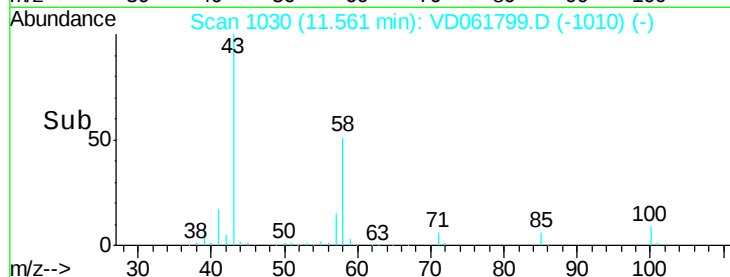
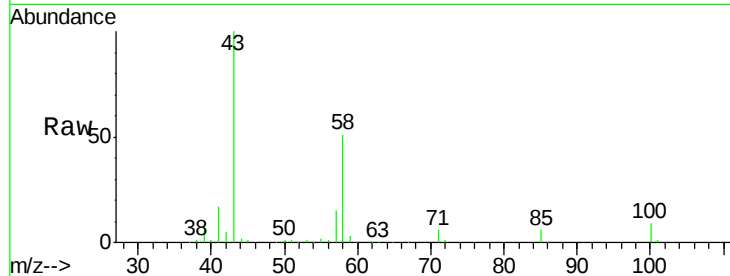
#59
2-Hexanone
Concen: 242.437 ug/l
RT: 11.56 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 568810
Ion Ratio Lower Upper
43 100
58 50.9 25.4 76.4

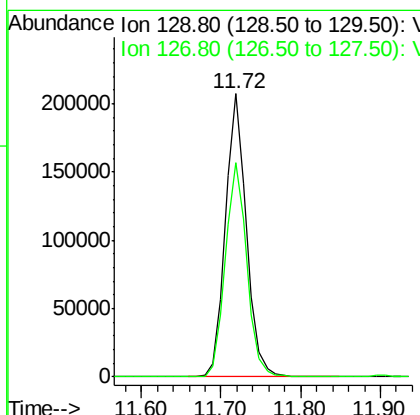
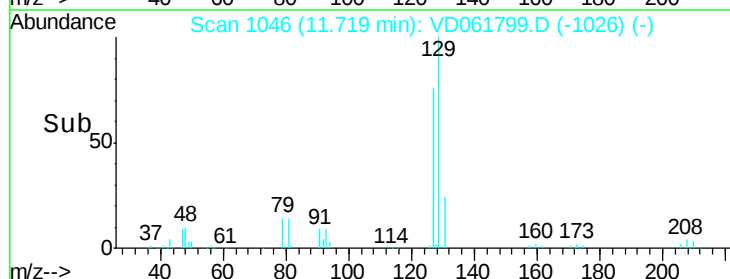
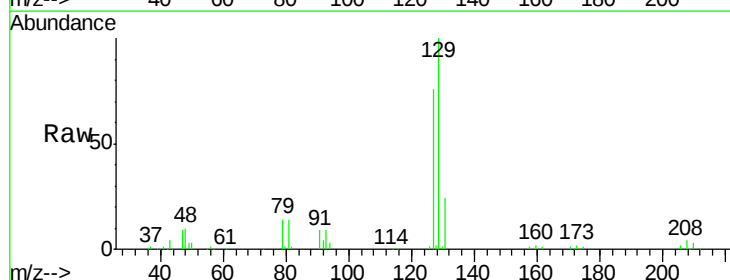
Manual Integrations
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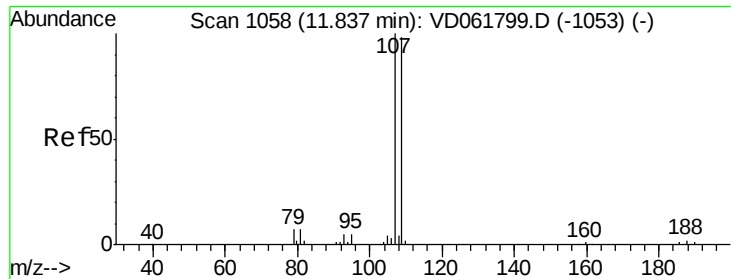
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#60
Dibromochloromethane
Concen: 52.997 ug/l
RT: 11.72 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion: 129 Resp: 385563
Ion Ratio Lower Upper
129 100
127 75.9 38.0 113.9





#61

1,2-Dibromoethane

Concen: 50.111 ug/l

RT: 11.84 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 273962

Ion Ratio Lower Upper

107 100

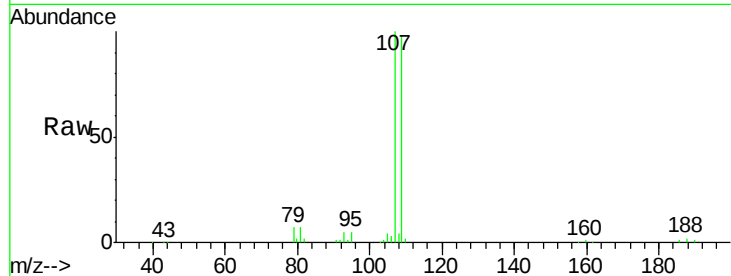
109 97.9 78.3 117.5

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.84

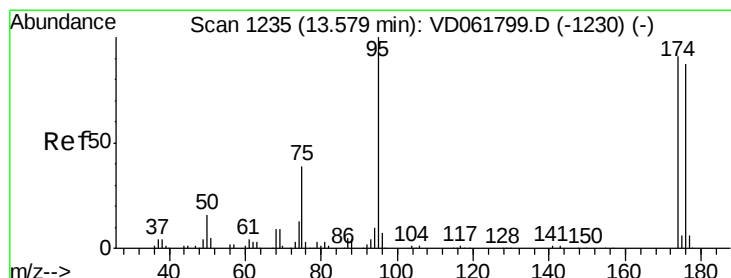
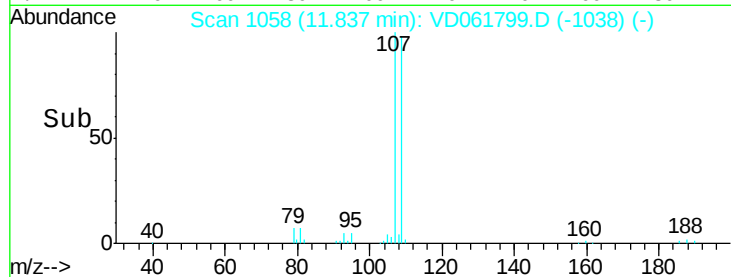
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.111 ug/l

RT: 13.58 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

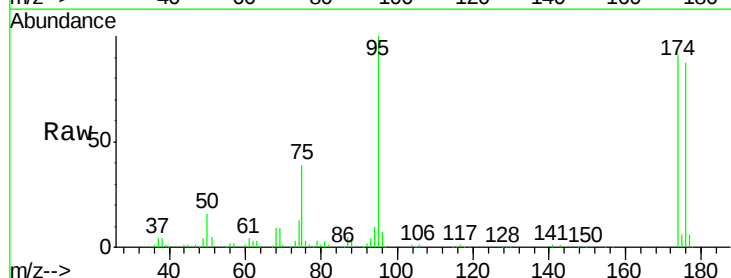
Tgt Ion: 95 Resp: 336309

Ion Ratio Lower Upper

95 100

174 90.9 0.0 181.8

176 87.2 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

300000

250000

200000

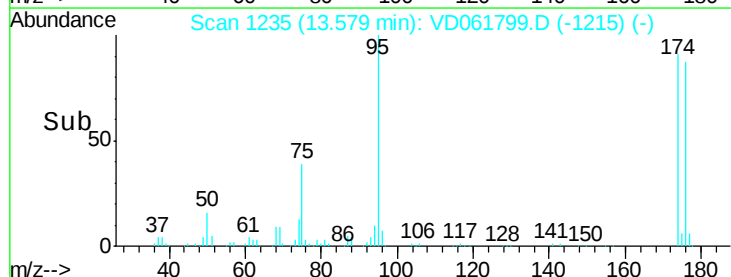
150000

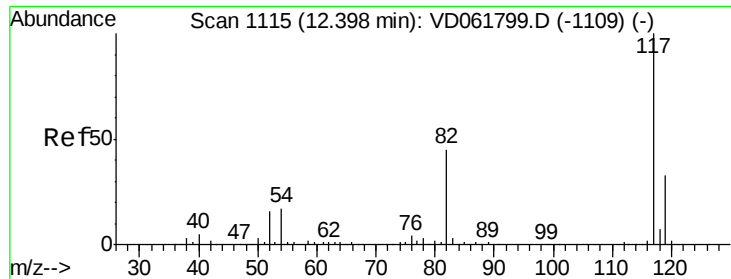
100000

50000

0

Time-->





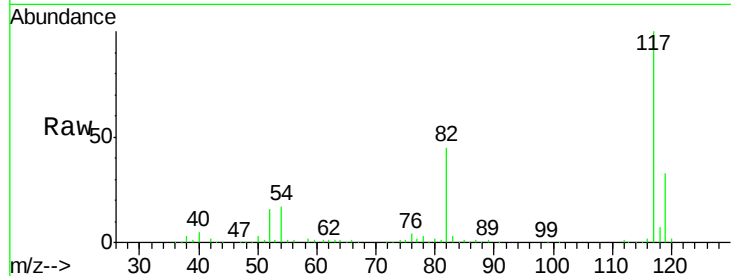
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

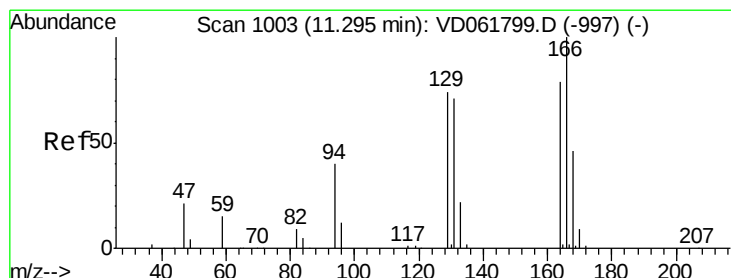
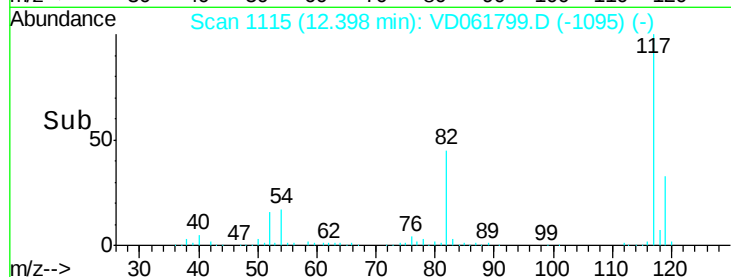
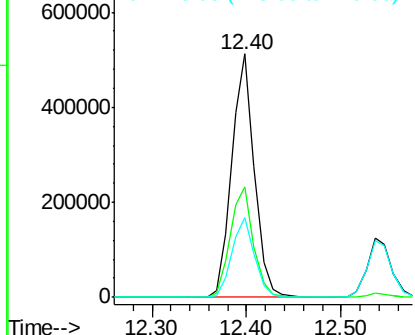
Tot Ion	Ratio	Lower	Upper
117	100		
82	45.2	36.2	54.2
119	32.8	26.2	39.4

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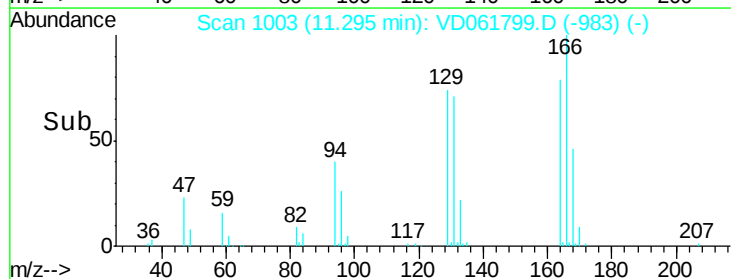
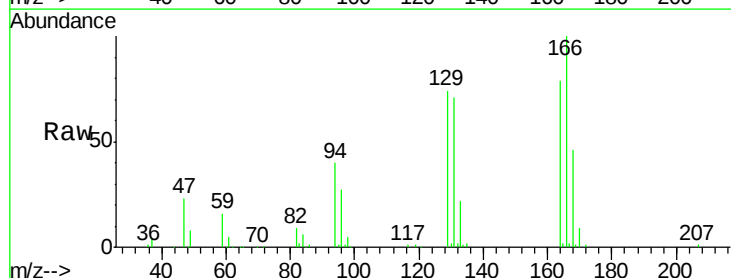
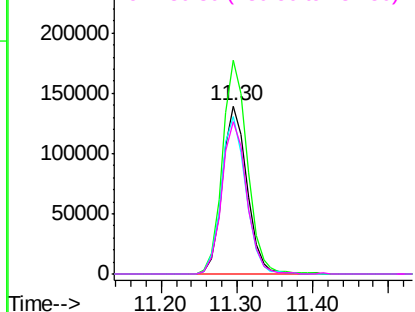
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

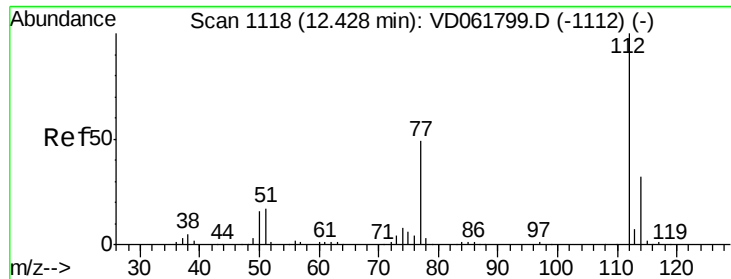


#64
Tetrachloroethene
Concen: 49.531 ug/l
RT: 11.30 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	101.5	152.3
129	93.3	74.6	112.0
131	90.7	72.6	108.8

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





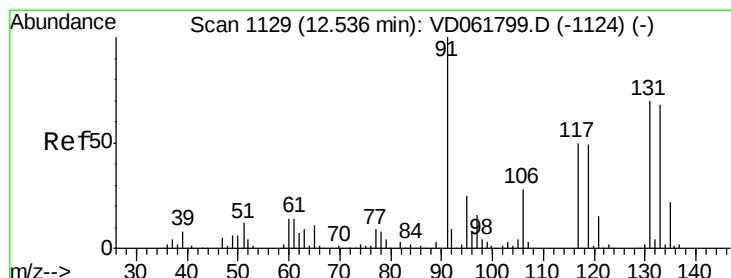
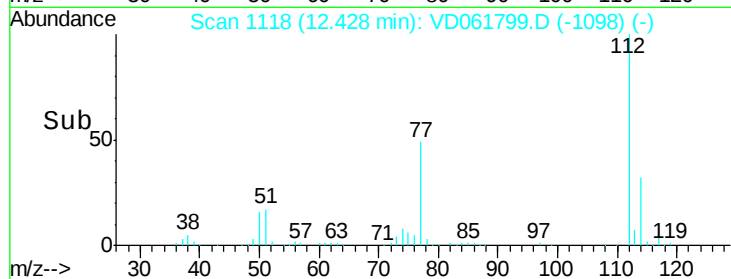
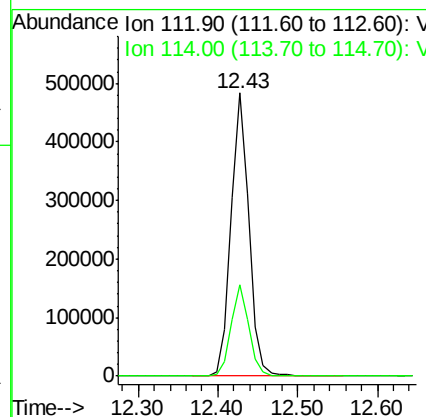
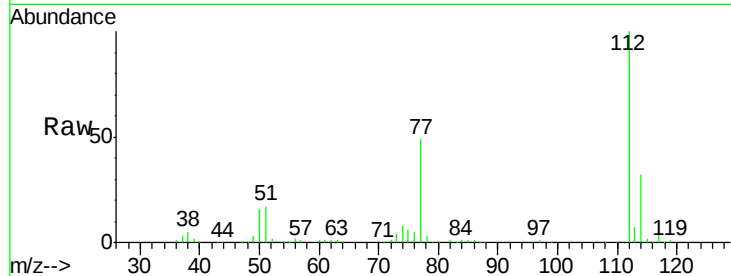
#65
Chlorobenzene
Concen: 48.993 ug/l
RT: 12.43 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.8	38.8

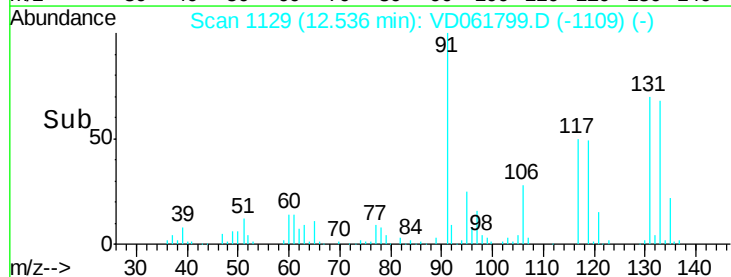
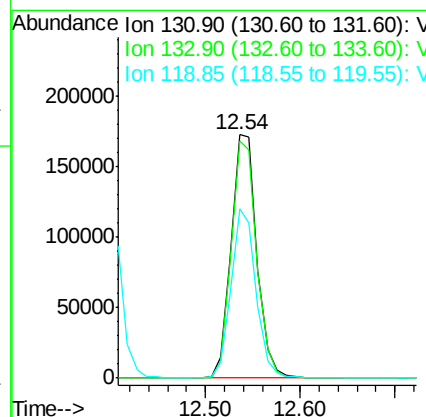
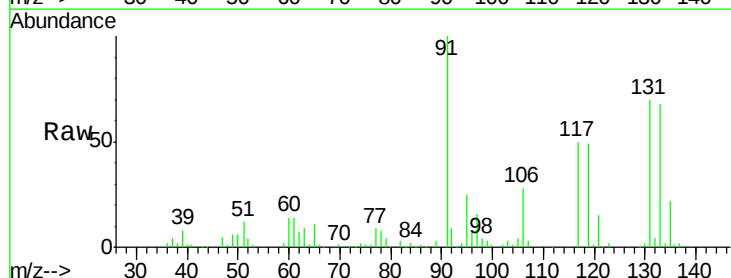
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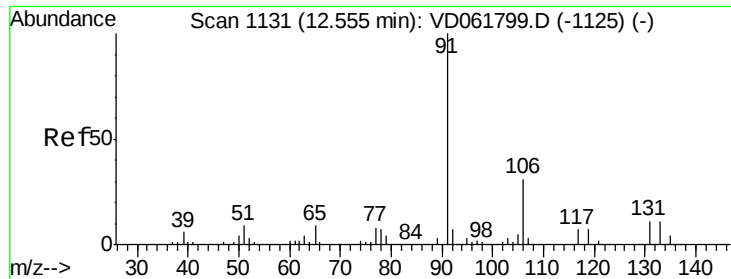
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.717 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.2	48.6	145.8
119	69.4	34.7	104.1





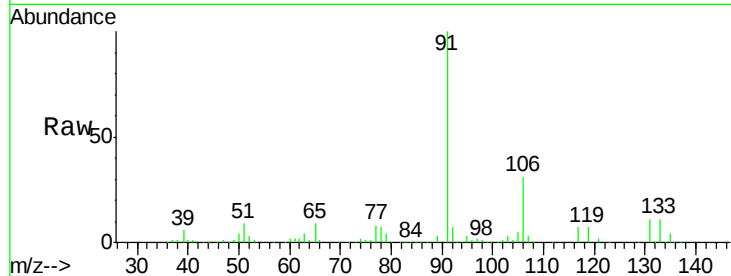
#67
Ethyl Benzene
Concen: 46.702 ug/l
RT: 12.56 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampled :
VSTDICCC050

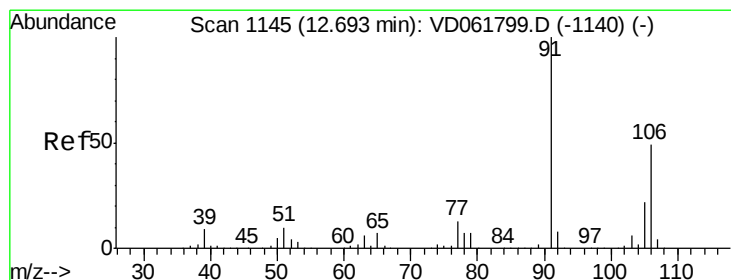
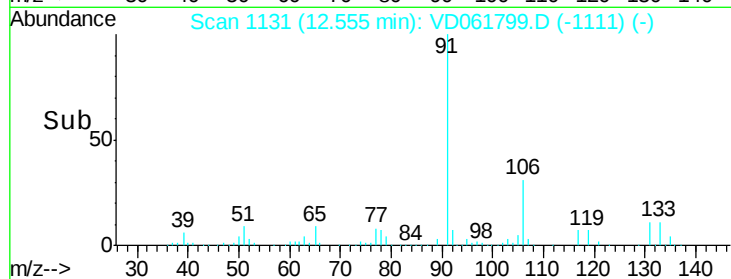
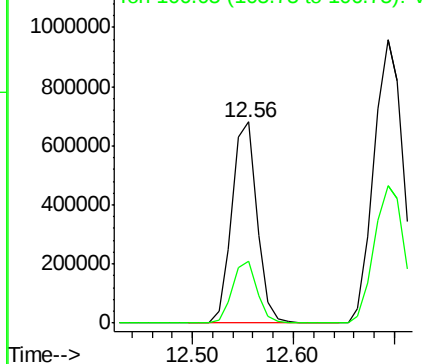
Tot Ion: 91 Resp: 1178017
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1

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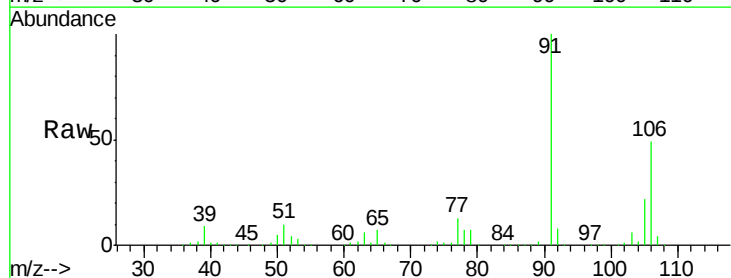


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

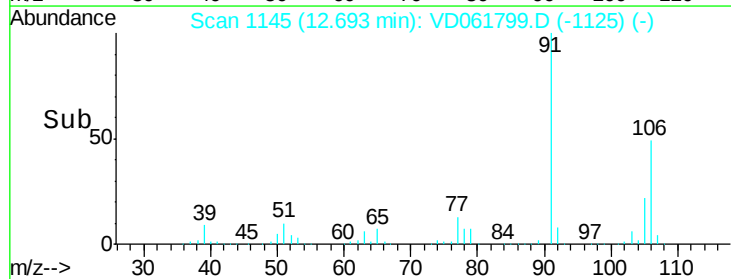
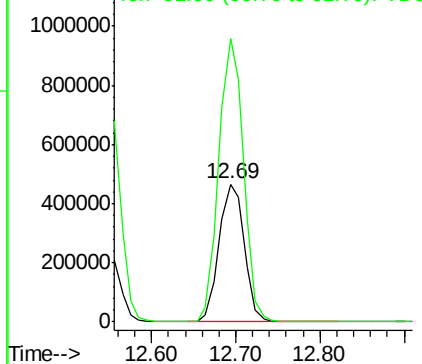


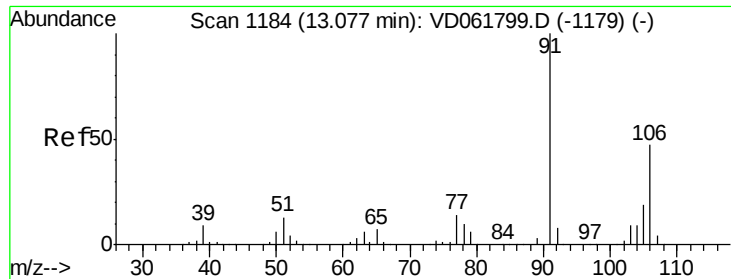
#68
m/p-Xylenes
Concen: 102.046 ug/l
RT: 12.69 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion: 106 Resp: 966873
Ion Ratio Lower Upper
106 100
91 205.0 164.0 246.0



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





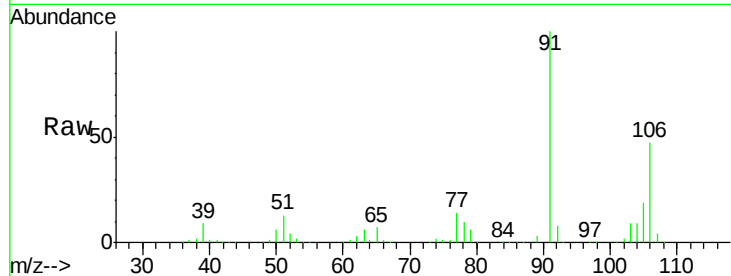
#69
o-Xylene
Concen: 45.478 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

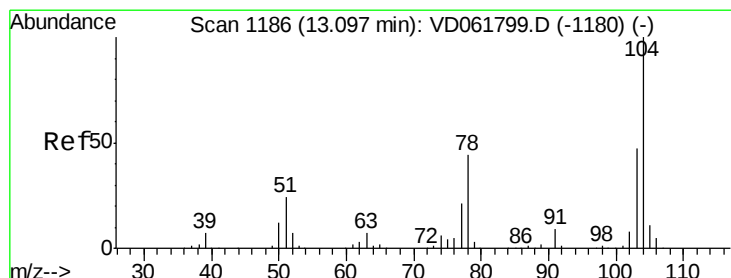
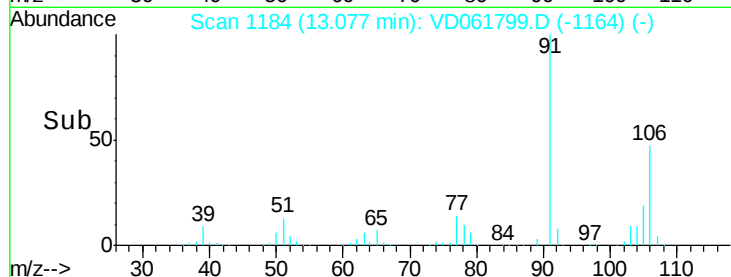
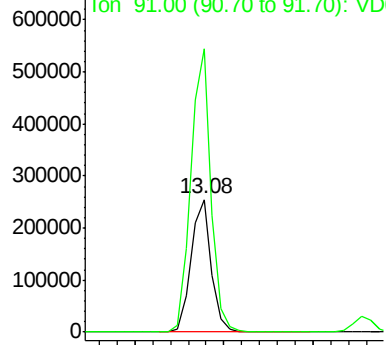
Tot Ion:106 Resp: 405010
Ion Ratio Lower Upper
106 100
91 213.3 106.7 319.9

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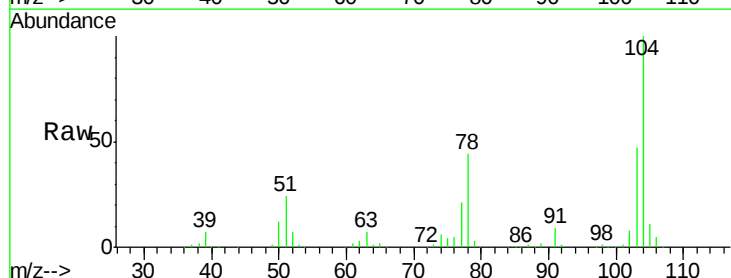


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

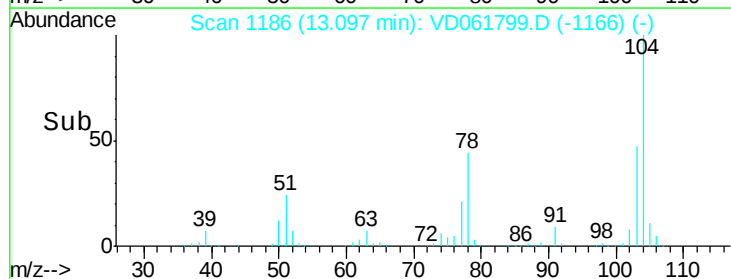
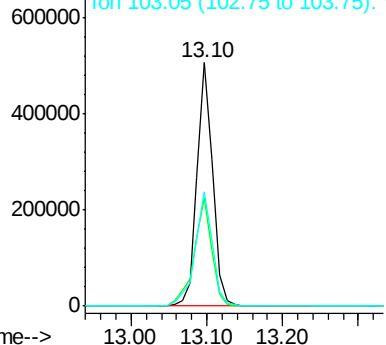


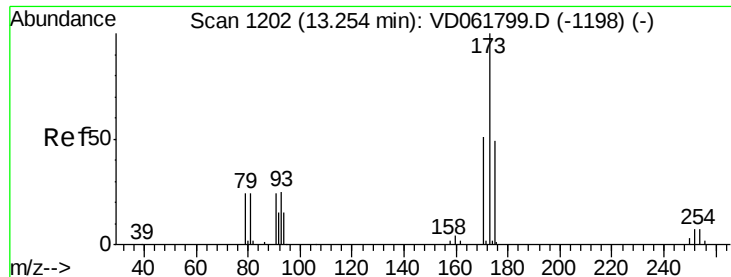
#70
Styrene
Concen: 47.302 ug/l
RT: 13.10 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion:104 Resp: 724917
Ion Ratio Lower Upper
104 100
78 44.3 35.4 53.2
103 46.9 37.5 56.3



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





#71

Bromoform

Concen: 50.571 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

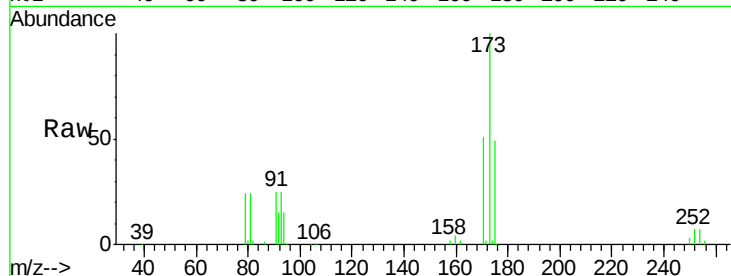
ClientSampleId :

VSTDICCC050

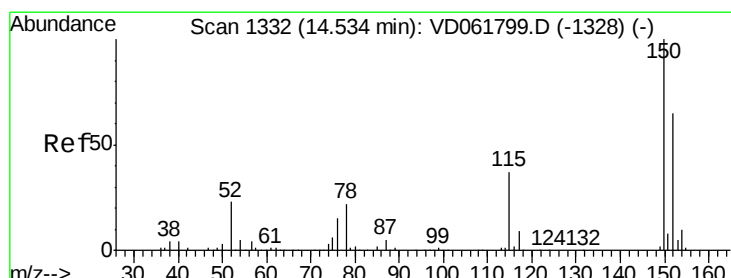
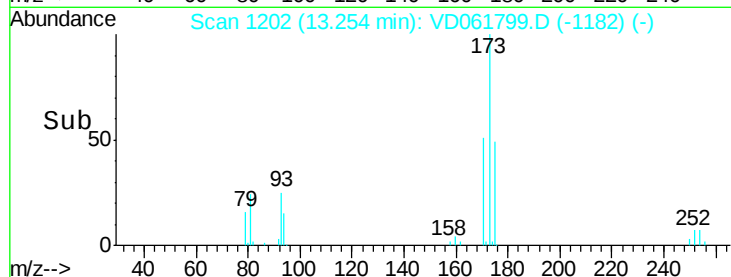
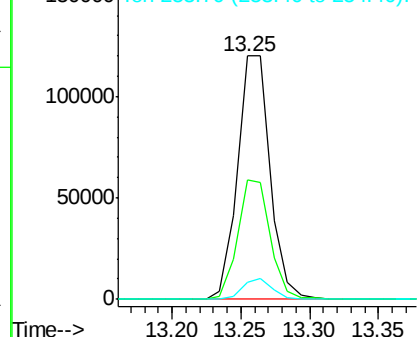
Tot Ion:	173	Resp:	198140
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.4	73.4
254	6.8	5.4	8.2

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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

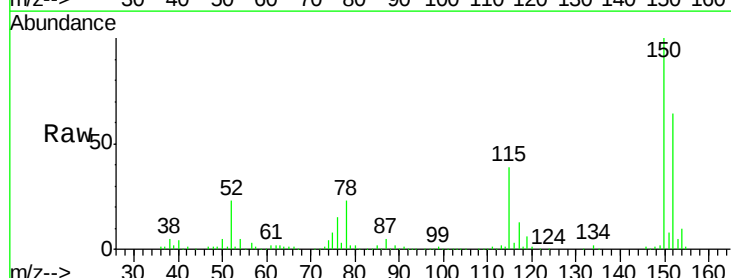
RT: 14.53 min Scan# 1332

Delta R.T. 0.00 min

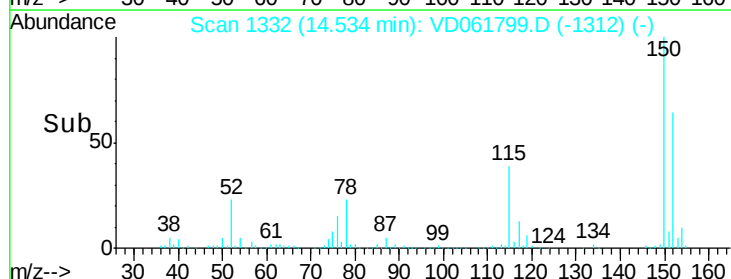
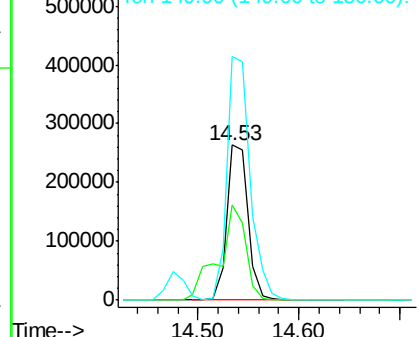
Lab File: VD061799.D

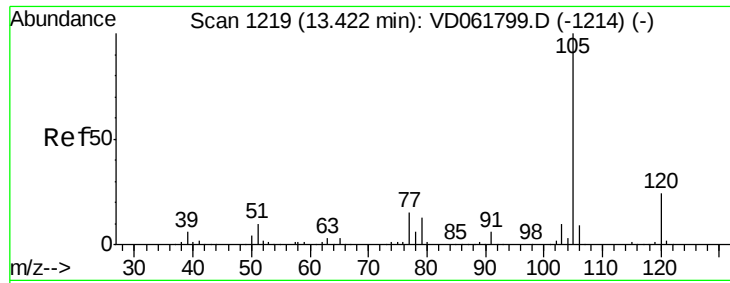
Acq: 15 Apr 2019 14:09

Tgt Ion:	152	Resp:	381477
Ion Ratio	Lower	Upper	
152	100		
115	61.8	30.9	92.7
150	157.4	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: 48.457 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1198829

Ion Ratio Lower Upper

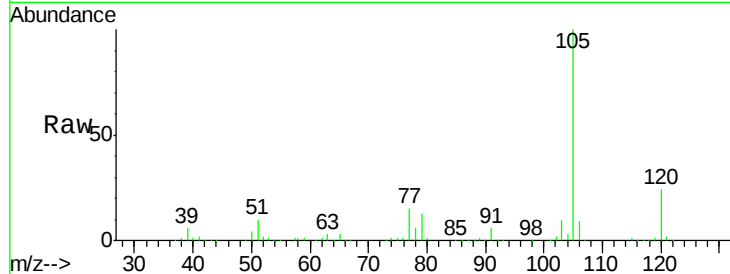
105 100

120 24.1 12.0 36.1

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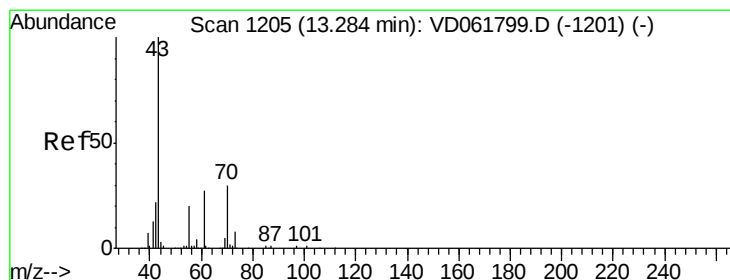
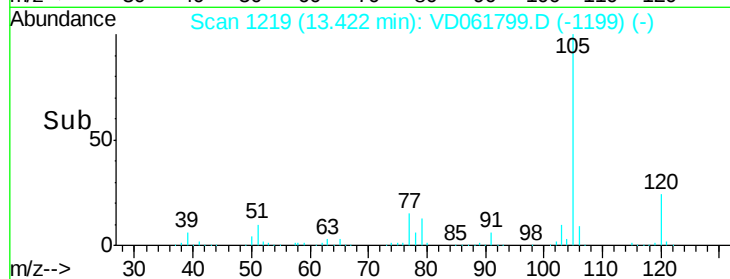
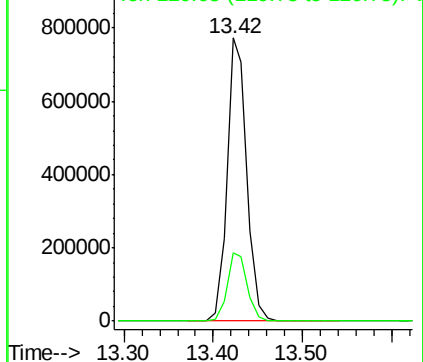
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 47.924 ug/l

RT: 13.28 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Tgt Ion: 43 Resp: 318826

Ion Ratio Lower Upper

43 100

70 30.3 24.2 36.4

55 20.0 16.0 24.0

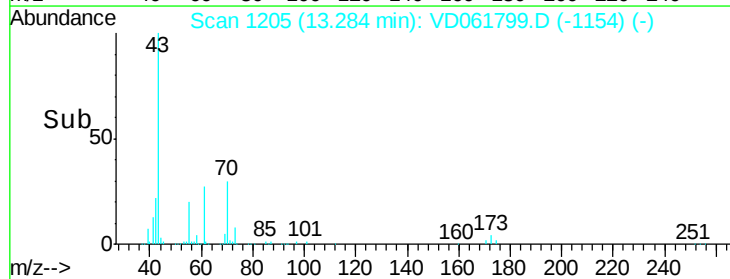
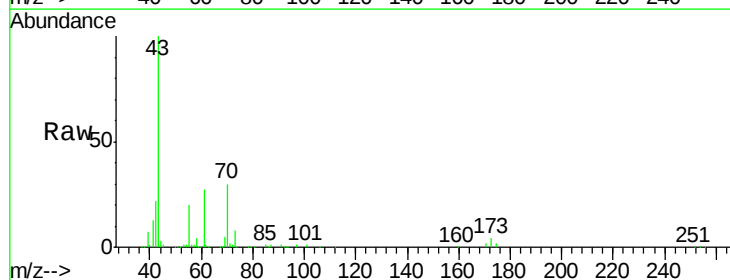
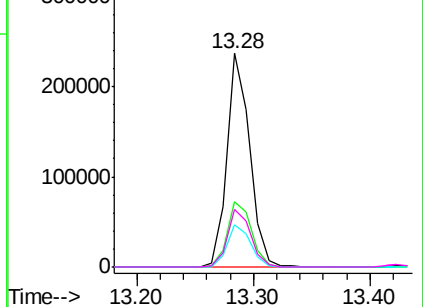
61 27.0 21.6 32.4

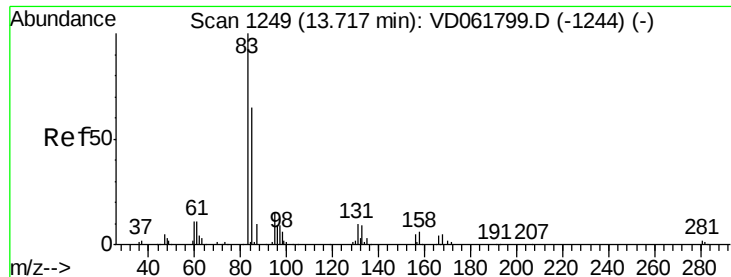
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 53.549 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

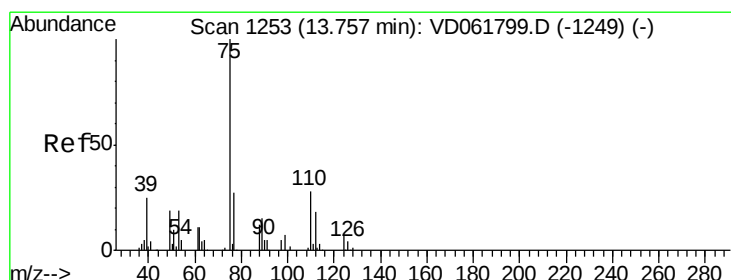
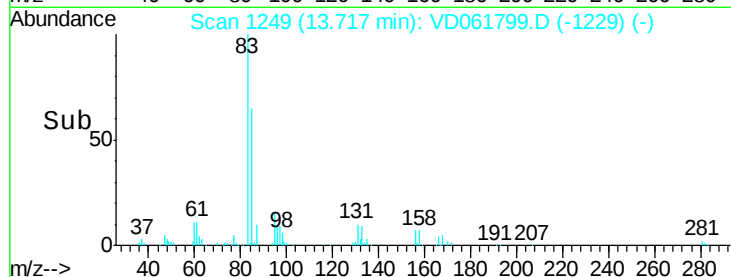
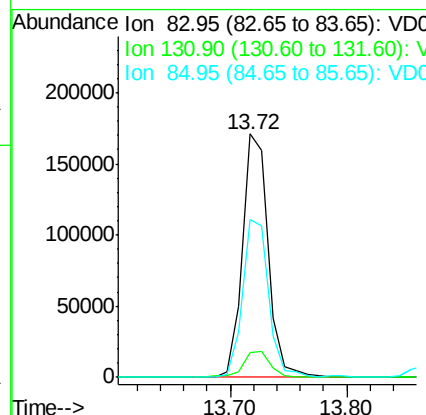
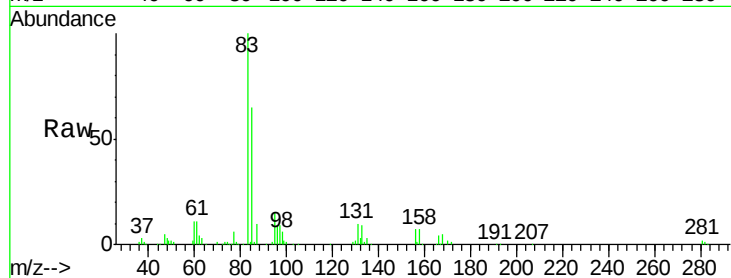
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	261869
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	65.1	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 52.881 ug/l

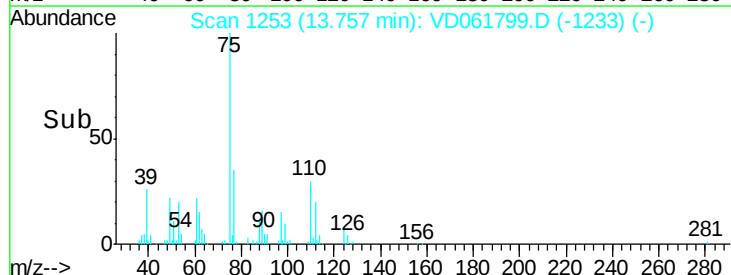
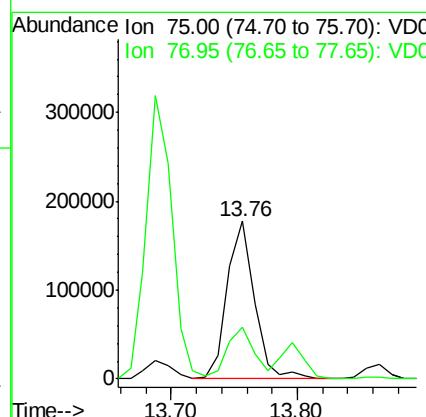
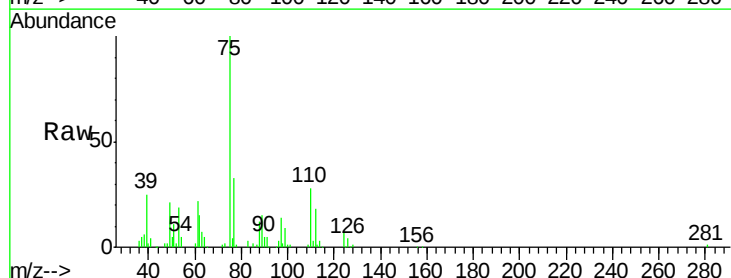
RT: 13.76 min Scan# 1253

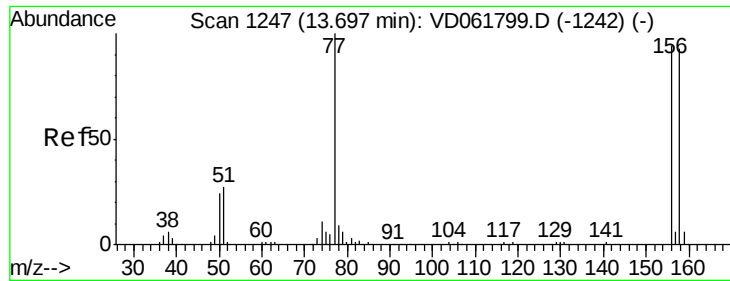
Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Tgt Ion:	75	Resp:	264922
Ion Ratio	Lower	Upper	
75	100		
77	32.9	16.4	49.4





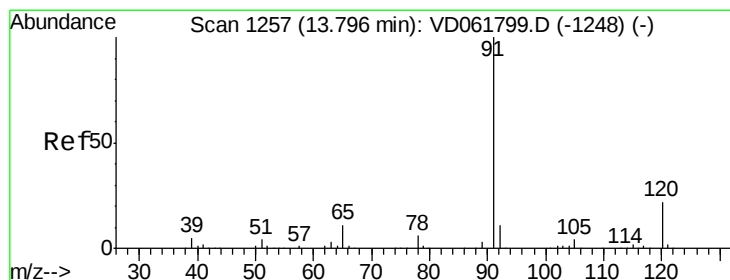
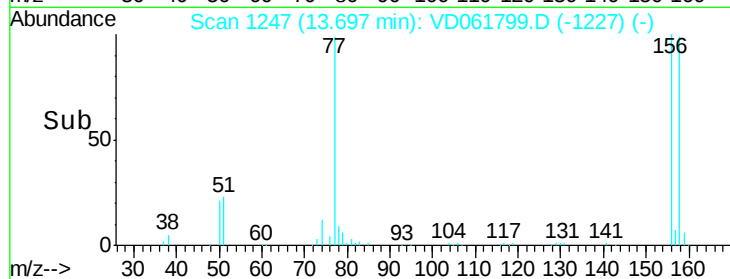
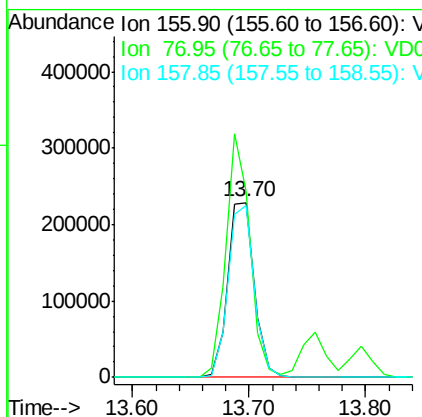
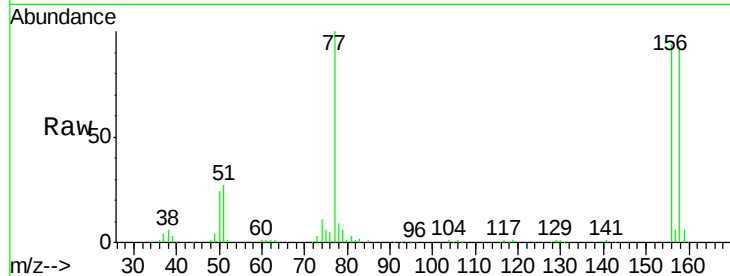
#77
Bromobenzene
Concen: 51.569 ug/l
RT: 13.70 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	106.3	53.1	159.4	
158	98.7	49.4	148.0	

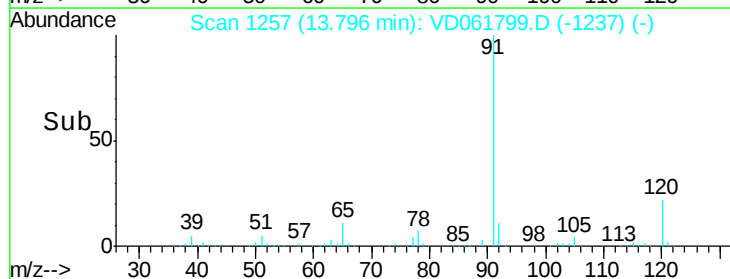
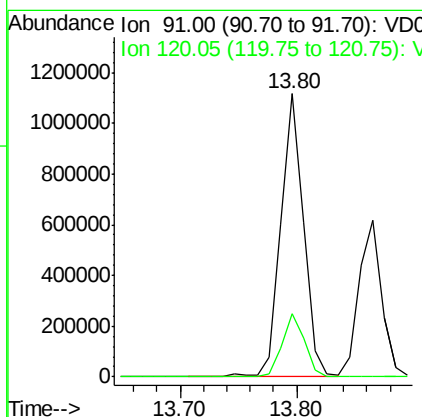
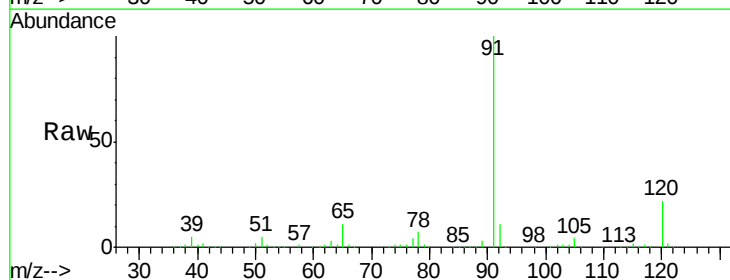
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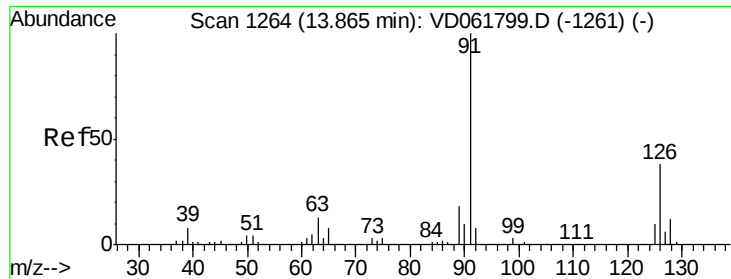
MMDadoda
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#78
n-propylbenzene
Concen: 52.919 ug/l
RT: 13.80 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.1	11.1	33.1	





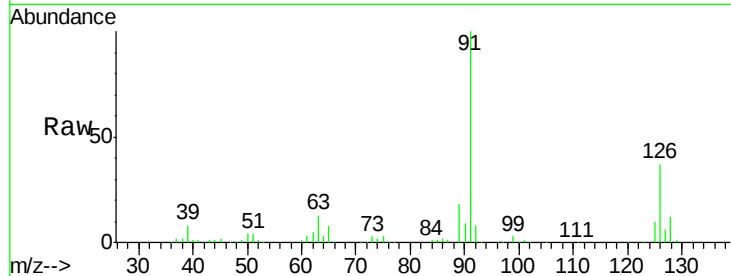
#79
2-Chlorotoluene
Concen: 50.392 ug/l
RT: 13.86 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

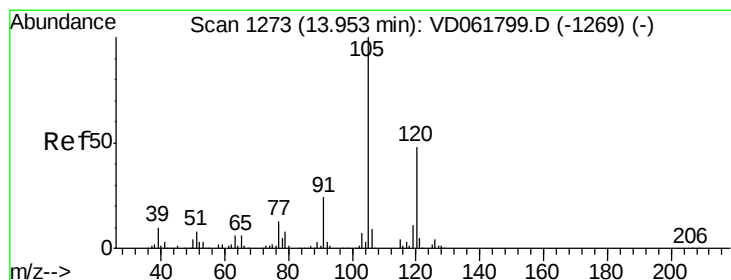
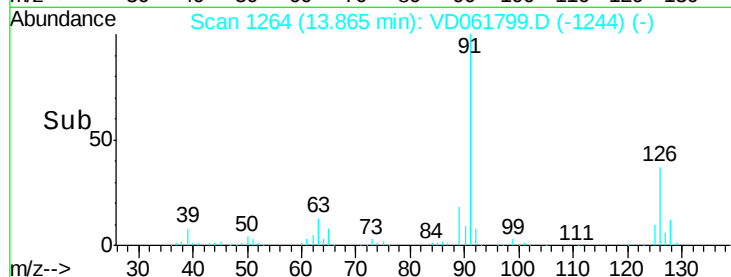
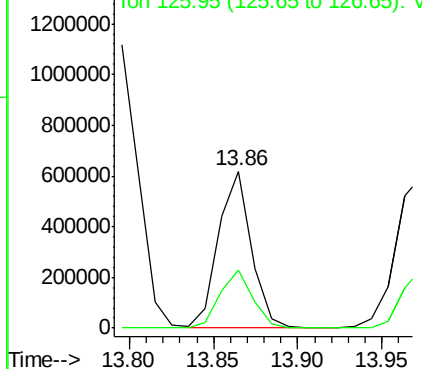
Tot Ion: 91 Resp: 836470
Ion Ratio Lower Upper
91 100
126 37.2 18.6 55.8

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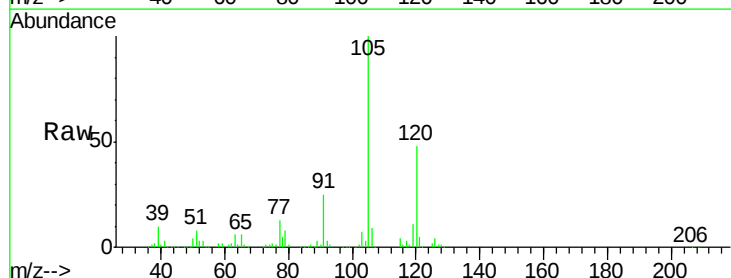


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

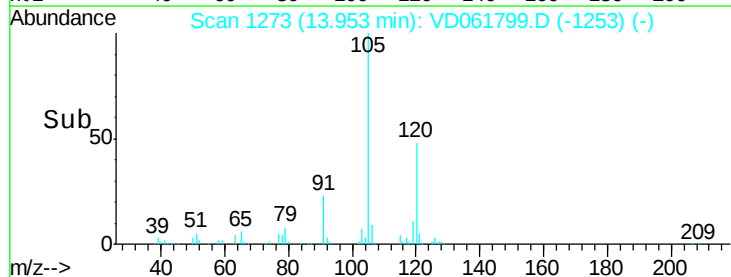
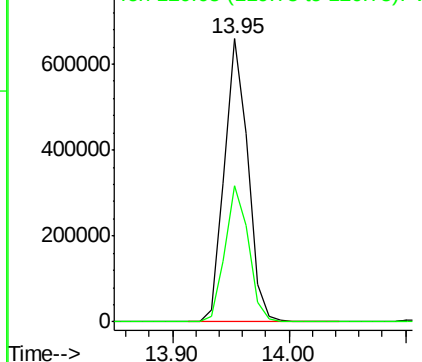


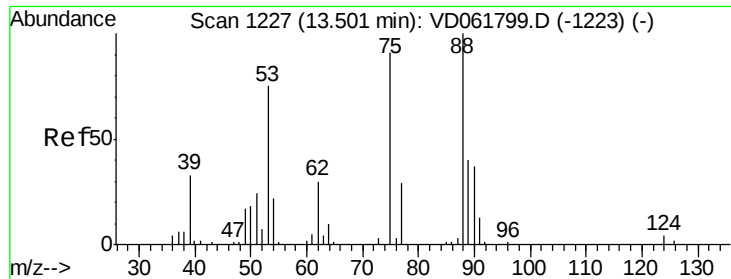
#80
1,3,5-Trimethylbenzene
Concen: 46.668 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion: 105 Resp: 916101
Ion Ratio Lower Upper
105 100
120 48.0 24.0 72.0



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





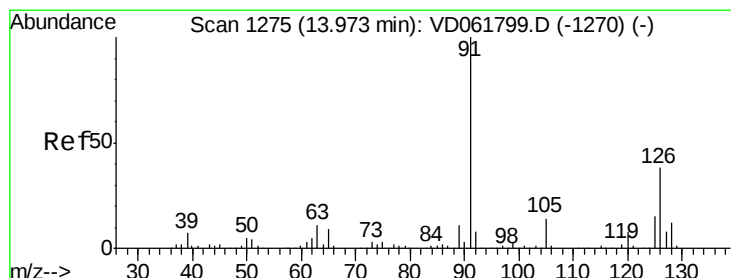
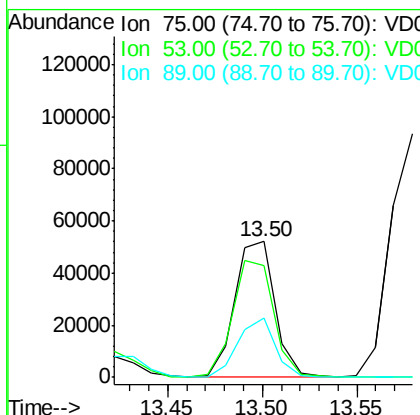
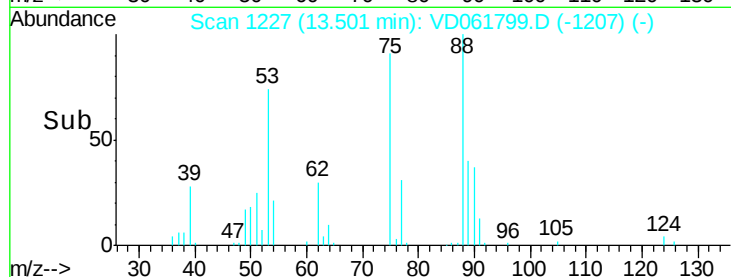
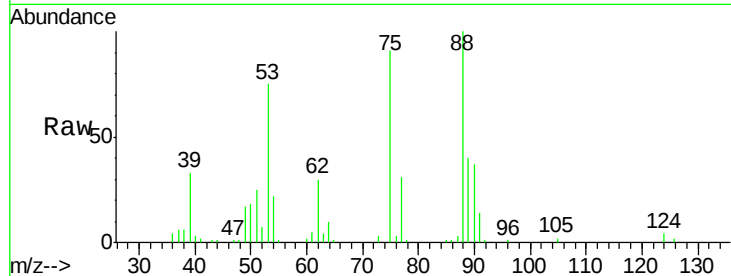
#81
trans-1,4-Dichloro-2-butene
Concen: 53.492 ug/l
RT: 13.50 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.3	65.8	98.8
89	43.8	35.0	52.6

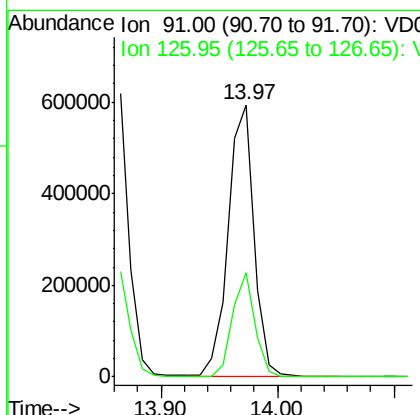
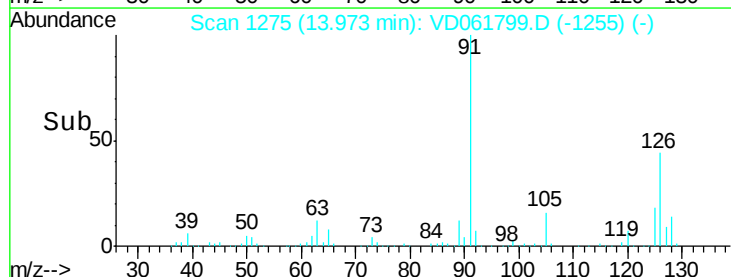
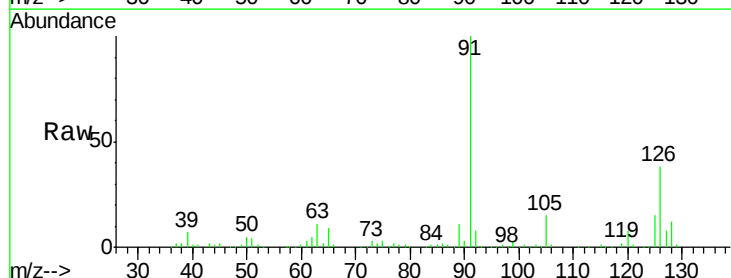
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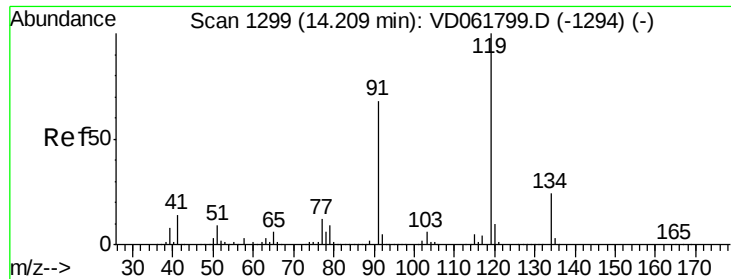
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#82
4-Chlorotoluene
Concen: 47.451 ug/l
RT: 13.97 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.3	19.1	57.5





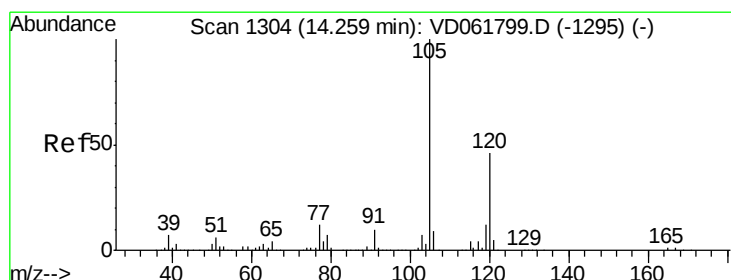
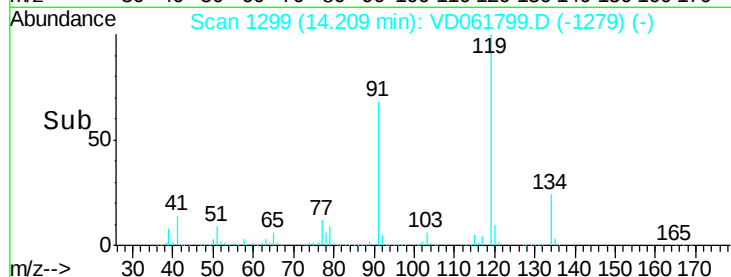
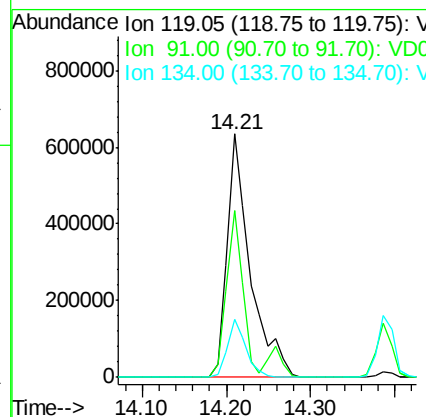
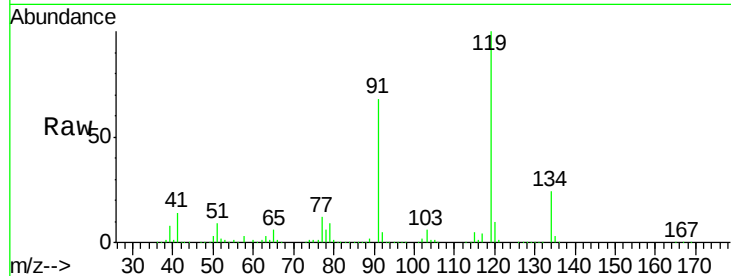
#83
tert-Butylbenzene
Concen: 52.743 ug/l
RT: 14.21 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:119 Resp: 1215699
Ion Ratio Lower Upper
119 100
91 68.4 34.2 102.6
134 24.0 12.0 36.0

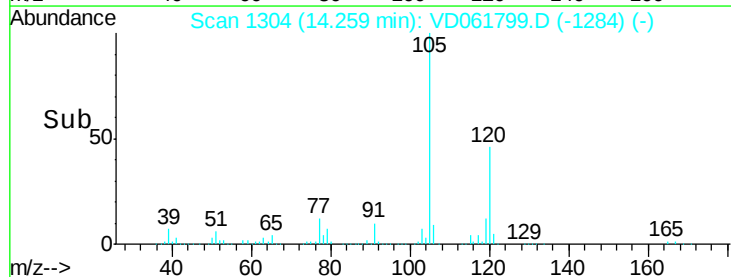
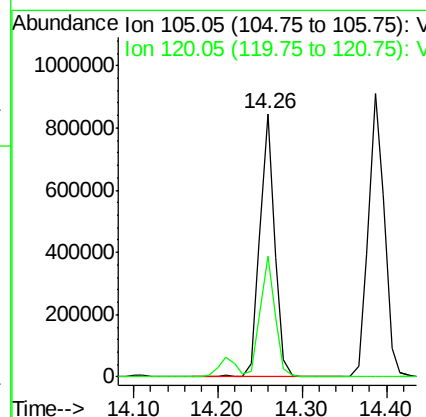
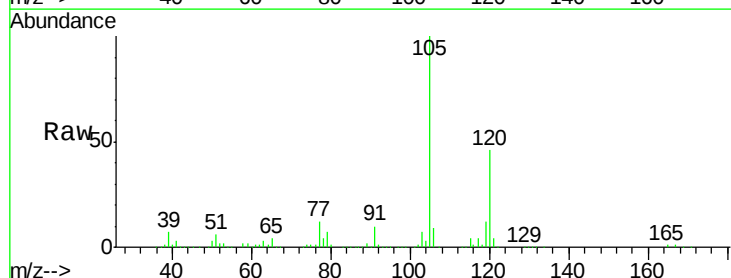
Manual Integrations
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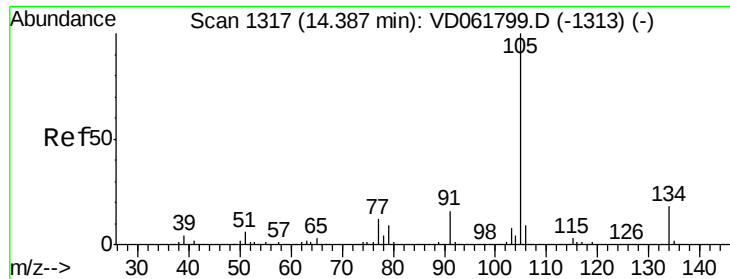
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#84
1,2,4-Trimethylbenzene
Concen: 53.416 ug/l
RT: 14.26 min Scan# 1304
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion:105 Resp: 1054012
Ion Ratio Lower Upper
105 100
120 46.1 23.1 69.2





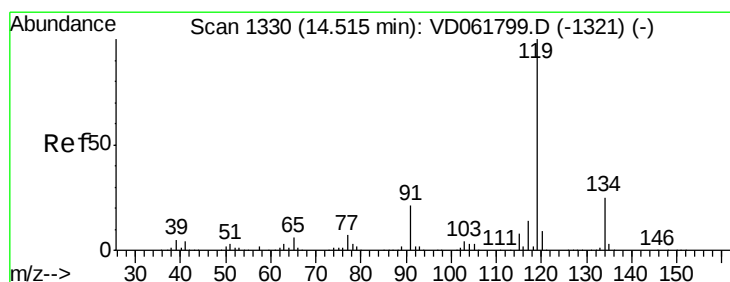
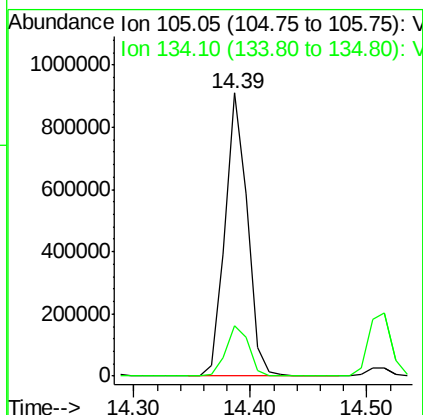
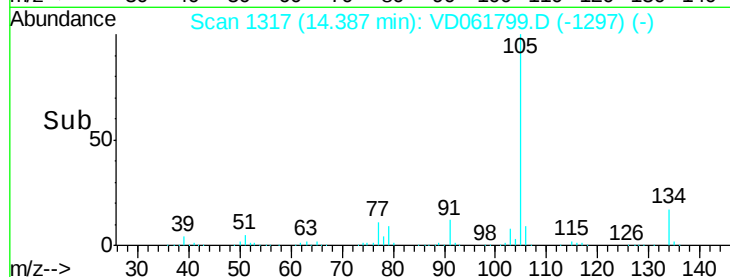
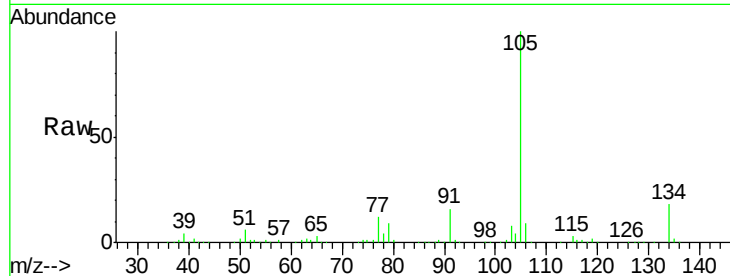
#85
 sec-Butylbenzene
 Concen: 50.547 ug/l
 RT: 14.39 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1204437
 Ion Ratio Lower Upper
 105 100
 134 17.8 8.9 26.7

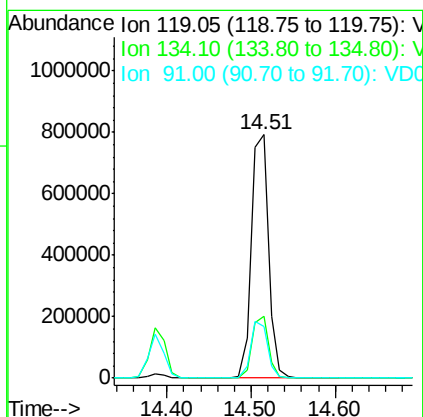
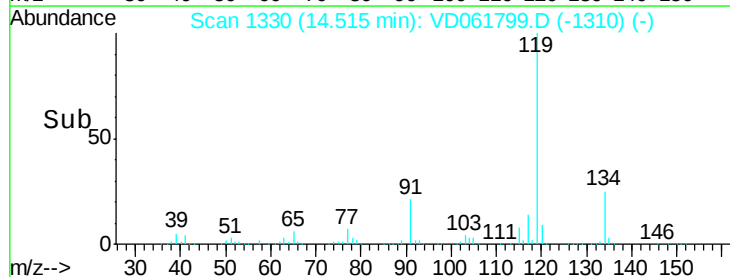
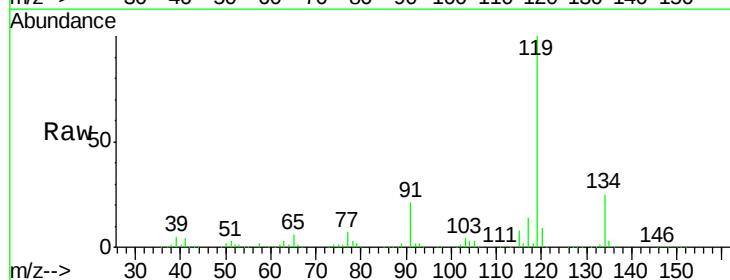
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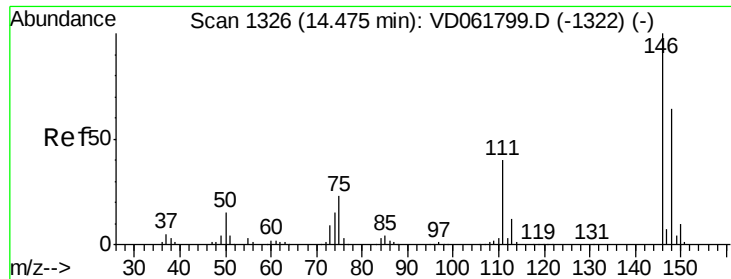
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#86
 p-Isopropyltoluene
 Concen: 50.778 ug/l
 RT: 14.51 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion:119 Resp: 1132066
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 21.4 10.7 32.1





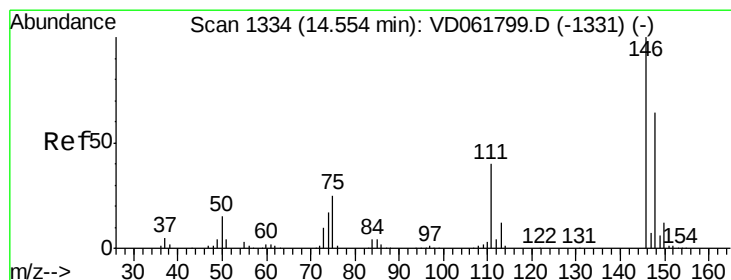
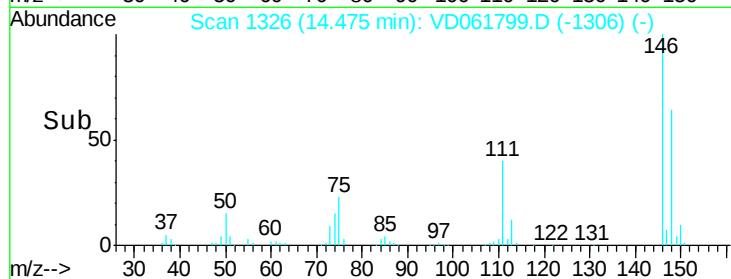
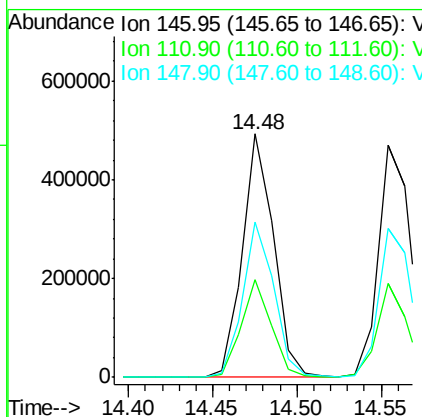
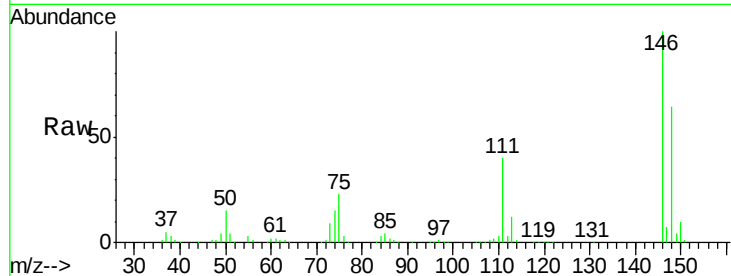
#87
 1,3-Dichlorobenzene
 Concen: 51.674 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.6	31.8	95.4

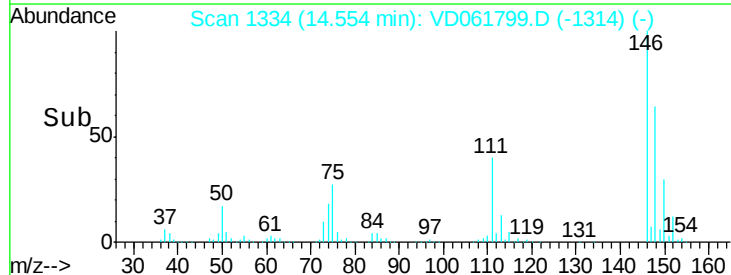
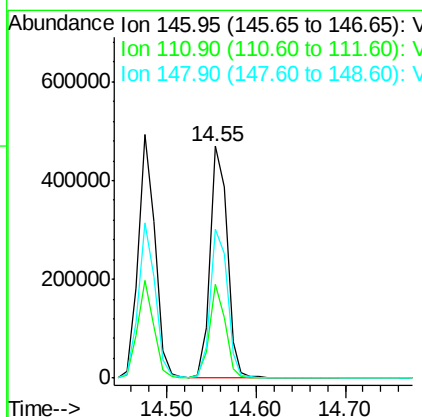
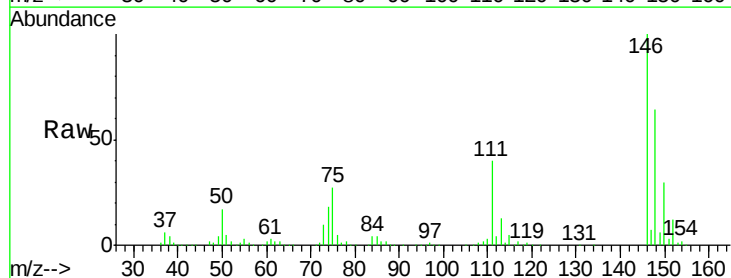
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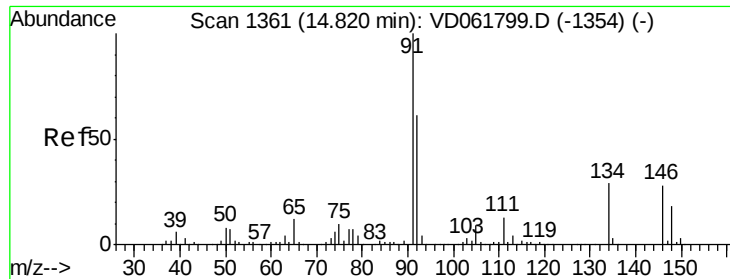
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#88
 1,4-Dichlorobenzene
 Concen: 51.685 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	64.1	32.0	96.2





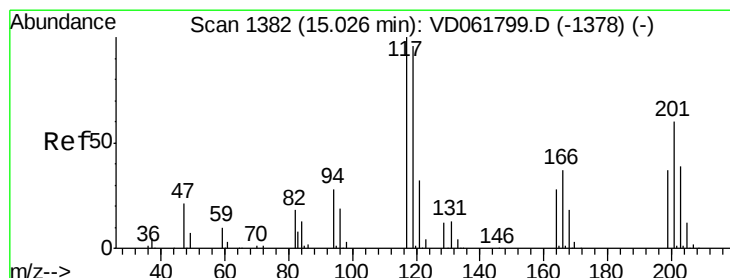
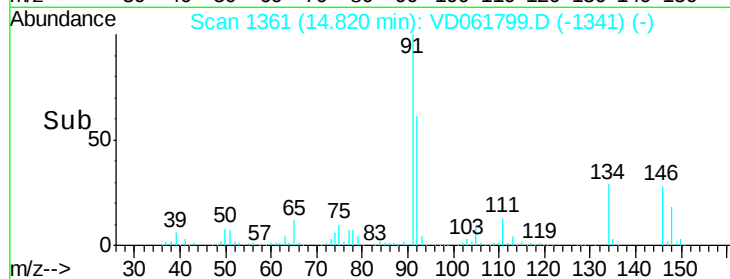
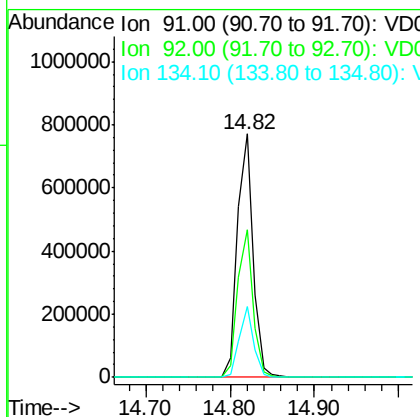
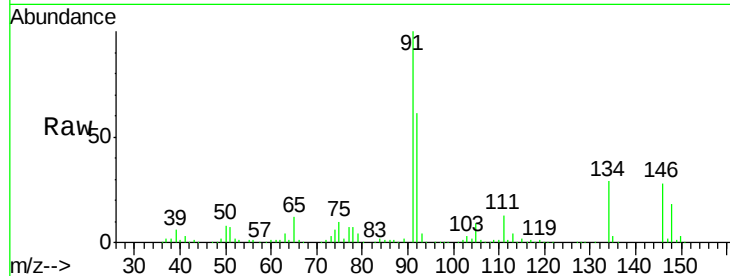
#89
n-Butylbenzene
Concen: 50.364 ug/l
RT: 14.82 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		993923		
92	60.7	30.3	91.0		
134	29.1	14.5	43.6		

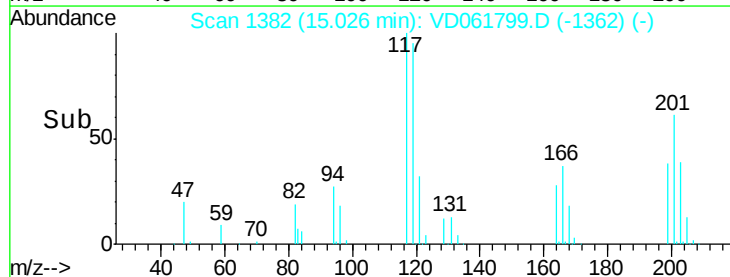
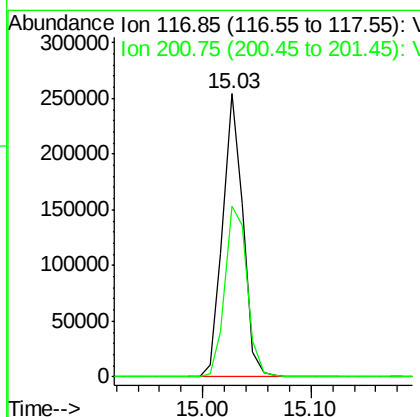
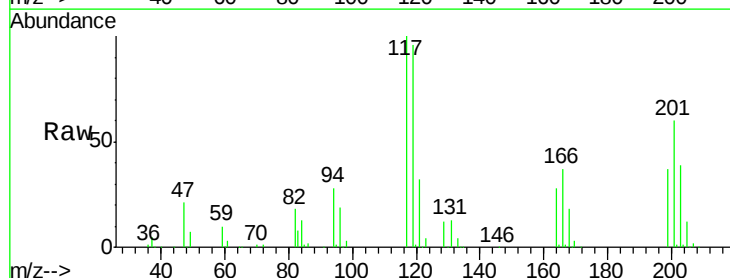
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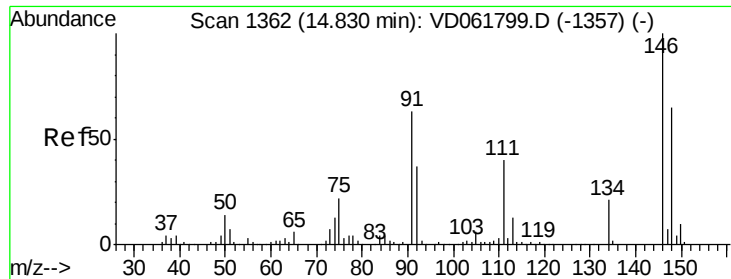
MMDadoda
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#90
Hexachloroethane
Concen: 54.420 ug/l
RT: 15.03 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		330687		
201	60.4	30.2	90.6		





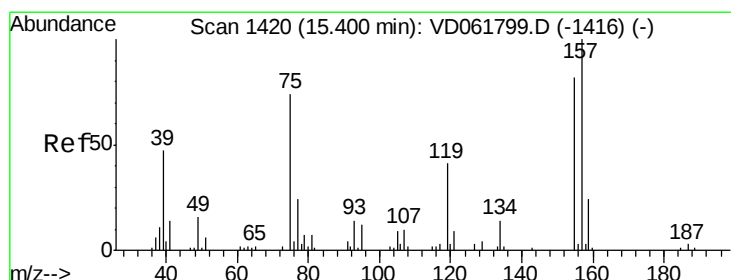
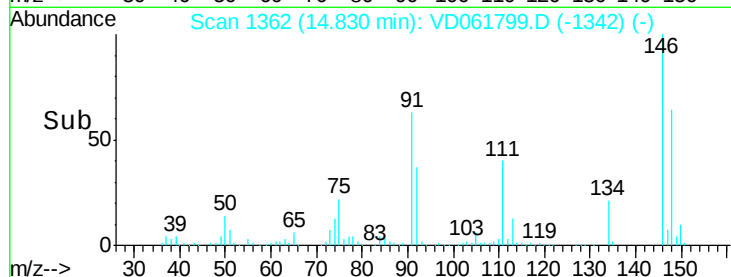
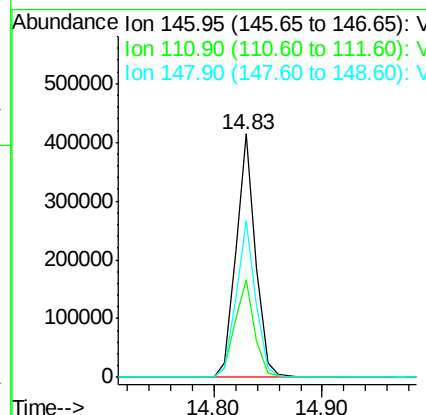
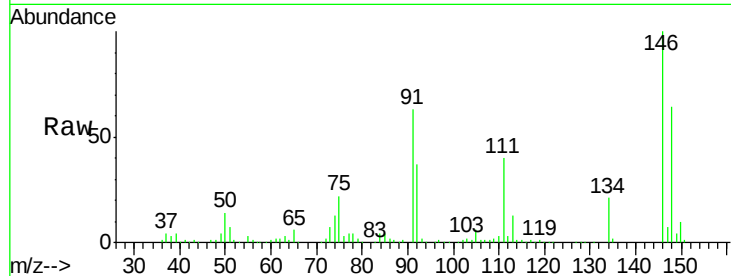
#91
 1,2-Dichlorobenzene
 Concen: 50.322 ug/l
 RT: 14.83 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	64.5	32.3	96.8

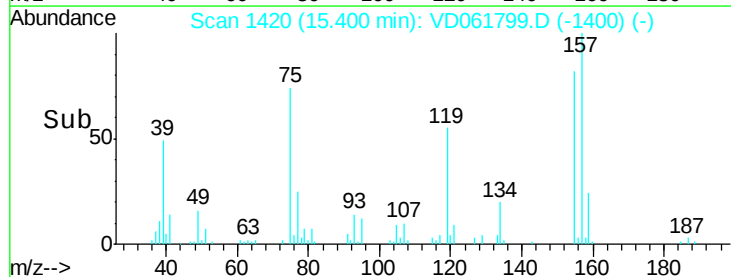
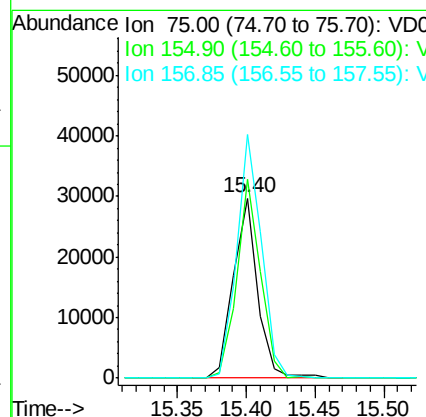
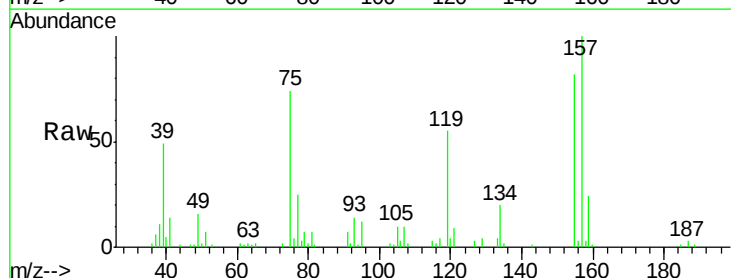
Manual Integrations
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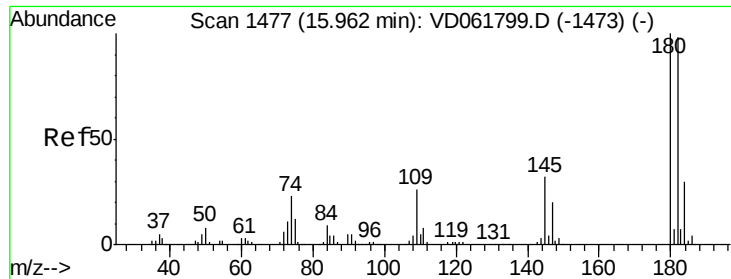
MMDadoda
 4/16/2019 3:12:51 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.751 ug/l
 RT: 15.40 min Scan# 1420
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.5	55.3	165.8
157	135.5	67.8	203.2





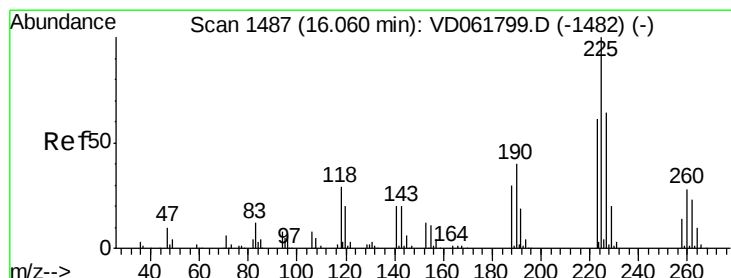
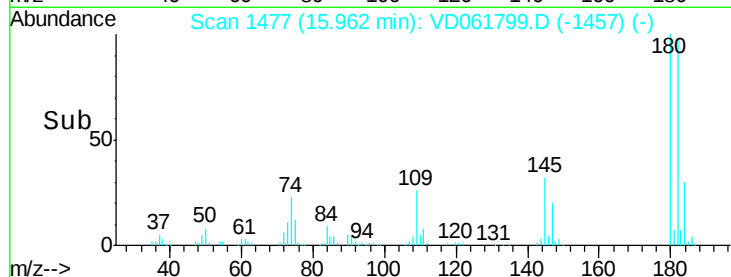
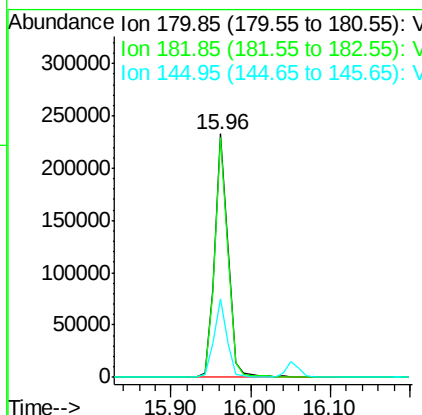
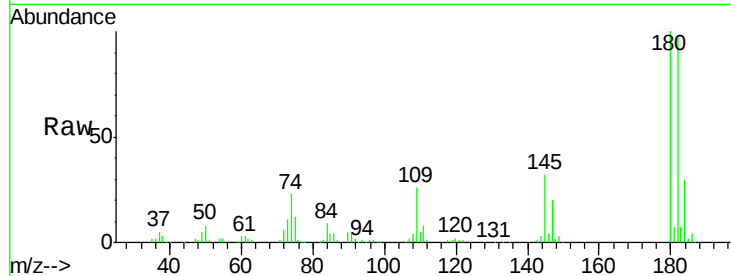
#93
 1,2,4-Trichlorobenzene
 Concen: 49.374 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	278687		
182	98.5	49.3	147.8	
145	32.4	16.2	48.6	

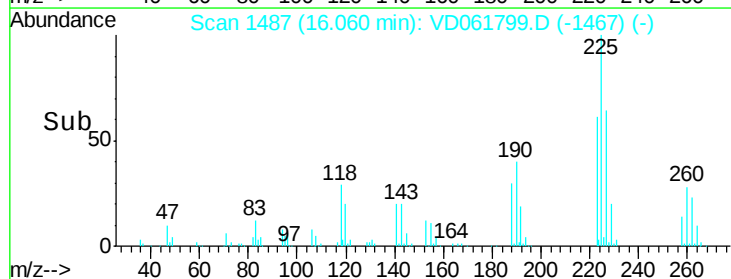
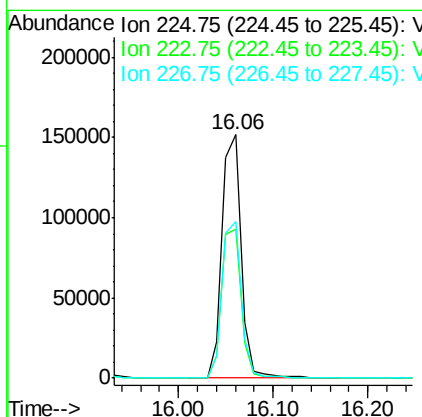
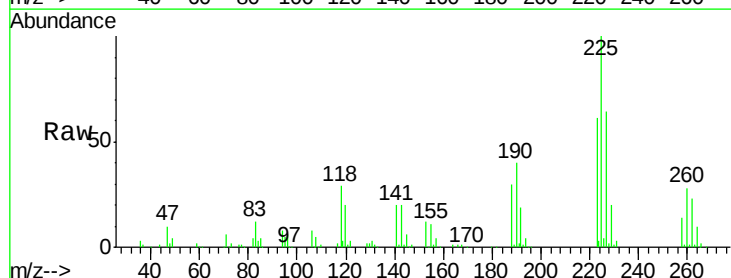
Manual Integrations
 APPROVED

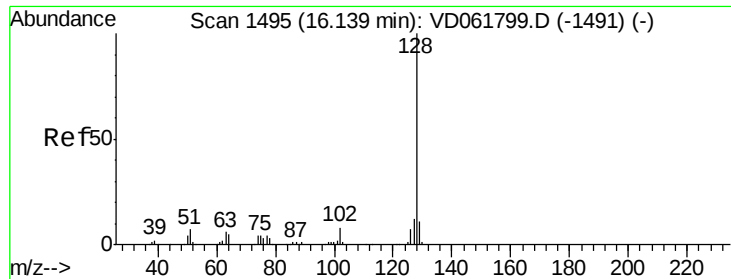
MMDadoda
 4/16/2019 3:12:51 PM



#94
 Hexachlorobutadiene
 Concen: 51.805 ug/l
 RT: 16.06 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	211904		
223	61.3	30.6	92.0	
227	64.1	32.0	96.2	





#95

Naphthalene

Concen: 55.891 ug/l

RT: 16.14 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

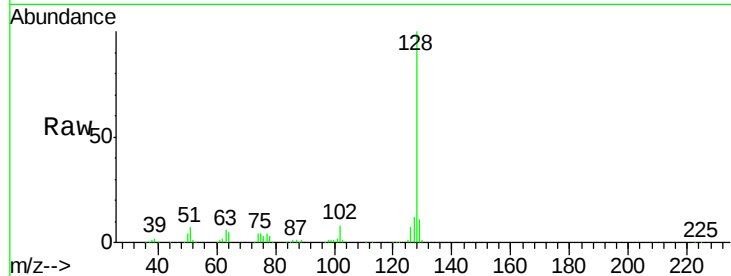
ClientSampleId :

VSTDICCC050

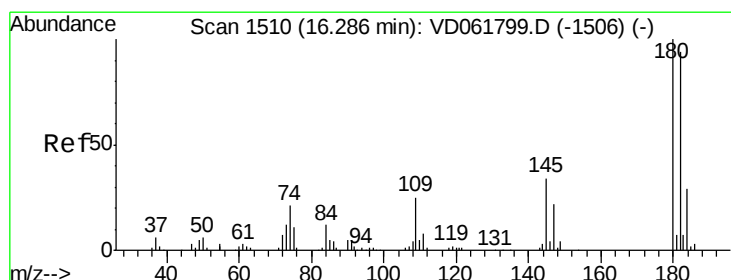
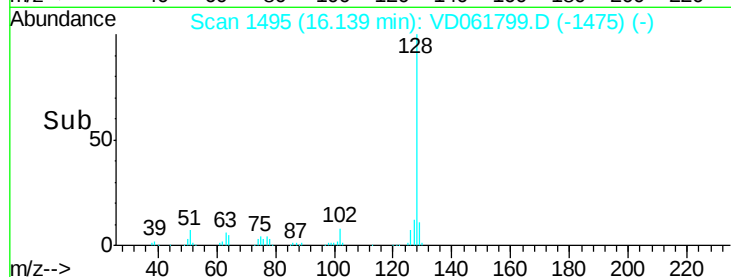
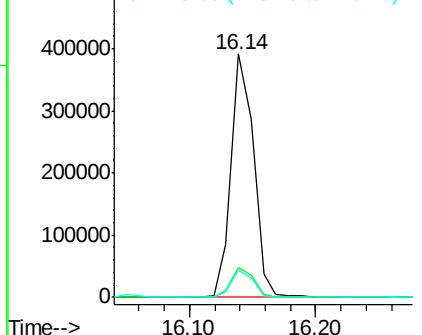
Tot Ion:	128	Resp:	483533
Ion Ratio	Lower	Upper	
128	100		
127	12.3	9.8	14.8
129	11.0	8.8	13.2

Manual Integrations
APPROVED

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4/16/2019 3:12:51 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 52.589 ug/l

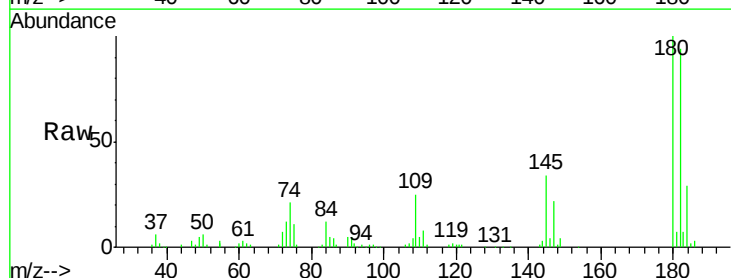
RT: 16.29 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Tgt Ion:	180	Resp:	169155
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.0	141.0
145	34.0	17.0	51.0



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

