

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091918\
 Data File : VD060039.D
 Acq On : 19 Sep 2018 12:31
 Operator : JC/SY
 Sample : VD0919SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0919SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/21/2018 5:02:15 PM

Quant Time: Sep 21 16:14:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1484833	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.44	114	2061551	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1697695	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	912585	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	587032	50.70	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.40%	
35) Dibromofluoromethane	6.32	113	800152	49.68	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	9.46	98	2265398	50.75	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.43	95	845483	49.58	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	288145	18.384	ug/l	100
3) Chloromethane	1.74	50	298779	21.580	ug/l	100
4) Vinyl Chloride	1.84	62	233997	21.024	ug/l	99
5) Bromomethane	2.13	94	20675	15.694	ug/l	94
6) Chloroethane	2.23	64	61939	24.893	ug/l	96
7) Trichlorofluoromethane	2.49	101	279207	22.786	ug/l	99
8) Diethyl Ether	2.81	74	51666	19.835	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.08	101	173568	22.463	ug/l	98
10) Methyl Iodide	3.24	142	182179	22.261	ug/l	94
11) Tert butyl alcohol	3.97	59	72648	77.754	ug/l	98
12) 1,1-Dichloroethene	3.06	96	141334	23.134	ug/l	93
13) Acrolein	2.97	56	51395	88.827	ug/l	98
14) Allyl chloride	3.52	41	280865	21.799	ug/l	97
15) Acrylonitrile	4.07	53	334786	94.925	ug/l	99
16) Acetone	3.15	43	259248	115.963	ug/l	96
17) Carbon Disulfide	3.31	76	439067	20.858	ug/l	100
18) Methyl Acetate	3.54	43	92286	20.298	ug/l	96
19) Methyl tert-butyl Ether	4.11	73	547917	19.410	ug/l	100
20) Methylene Chloride	3.71	84	381843	19.626	ug/l	98
21) trans-1,2-Dichloroethene	4.09	96	325767	20.319	ug/l	97
22) Diisopropyl ether	4.85	45	1211886	20.620	ug/l	100
23) Vinyl Acetate	4.80	43	3392959	101.904	ug/l	100
24) 1,1-Dichloroethane	4.75	63	553975	21.004	ug/l	99
25) 2-Butanone	5.62	43	682218	113.086	ug/l	99
26) 2,2-Dichloropropane	5.58	77	442108	21.561	ug/l	100
27) cis-1,2-Dichloroethene	5.59	96	350031	20.872	ug/l	98
28) Bromochloromethane	5.92	49	271600	21.423	ug/l	100
29) Tetrahydrofuran	5.95	42	296011	91.495	ug/l	100
30) Chloroform	6.10	83	565069	21.127	ug/l	99
31) Cyclohexane	6.37	56	507885	19.750	ug/l	97
32) 1,1,1-Trichloroethane	6.29	97	455649	20.540	ug/l	99
36) 1,1-Dichloropropene	6.52	75	418978	20.460	ug/l	98
37) Ethyl Acetate	5.70	43	255306	18.129	ug/l	98
38) Carbon Tetrachloride	6.49	117	382717	20.020	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	468310	20.216	ug/l	98
40) Benzene	6.79	78	1109530	21.258	ug/l	98
41) Methacrylonitrile	5.92	41	149151m	20.222	ug/l	
42) 1,2-Dichloroethane	6.89	62	302551	19.305	ug/l	98
43) Isopropyl Acetate	8.35	43	331439	17.578	ug/l #	100
44) Trichloroethene	7.74	130	327624	20.316	ug/l	96
45) 1,2-Dichloropropane	8.11	63	285786	20.477	ug/l	99
46) Dibromomethane	8.22	93	176802	19.415	ug/l	95
47) Bromodichloromethane	8.49	83	395419	20.140	ug/l	100
48) Methyl methacrylate	8.25	41	196096	18.674	ug/l	97
49) 1,4-Dioxane	8.24	88	35616	341.473	ug/l	91
51) 4-Methyl-2-Pentanone	9.35	43	1375292	98.685	ug/l	100
52) Toluene	9.56	92	694727	20.766	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	352442	19.247	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	436434	19.948	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	225898	19.447	ug/l	96
56) Ethyl methacrylate	10.04	69	244809	19.001	ug/l	96
57) 1,3-Dichloropropane	10.39	76	341817	19.935	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.93	63	646009	103.833	ug/l	98
59) 2-Hexanone	10.49	43	1016638	101.486	ug/l	97
60) Dibromochloromethane	10.65	129	270938	19.163	ug/l	99
61) 1,2-Dibromoethane	10.77	107	226581	18.893	ug/l	97
64) Tetrachloroethene	10.25	164	300907	20.089	ug/l	98
65) Chlorobenzene	11.32	112	759920	20.820	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.42	131	265109	21.535	ug/l	97
67) Ethyl Benzene	11.43	91	1329031	22.626	ug/l	98
68) m/p-Xylenes	11.57	106	991869	45.722	ug/l	97
69) o-Xylene	11.94	106	459115	21.359	ug/l	98
70) Styrene	11.96	104	787879	21.800	ug/l	96
71) Bromoform	12.12	173	193132	18.260	ug/l	98
73) Isopropylbenzene	12.28	105	1233252	20.605	ug/l	99
74) N-amyl acetate	12.13	43	445795	18.804	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.57	83	264641	19.491	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	265794	19.070	ug/l	99
77) Bromobenzene	12.55	156	355580	20.625	ug/l	94
78) n-propylbenzene	12.65	91	1600000	21.258	ug/l	99
79) 2-Chlorotoluene	12.70	91	877931	20.667	ug/l	94
80) 1,3,5-Trimethylbenzene	12.79	105	1012752	22.077	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.35	75	74539	17.717	ug/l	98
82) 4-Chlorotoluene	12.81	91	1019895	21.837	ug/l	96
83) tert-Butylbenzene	13.05	119	1135108	21.359	ug/l	94
84) 1,2,4-Trimethylbenzene	13.10	105	1022892	20.895	ug/l	98
85) sec-Butylbenzene	13.23	105	1332832	21.127	ug/l	96
86) p-Isopropyltoluene	13.34	119	1082253	21.211	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	642404	21.427	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	642677	21.134	ug/l	98
89) n-Butylbenzene	13.65	91	1106644	19.988	ug/l	97
90) Hexachloroethane	13.87	117	248776	19.685	ug/l	86
91) 1,2-Dichlorobenzene	13.66	146	547881	19.649	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	35431	17.117	ug/l	92

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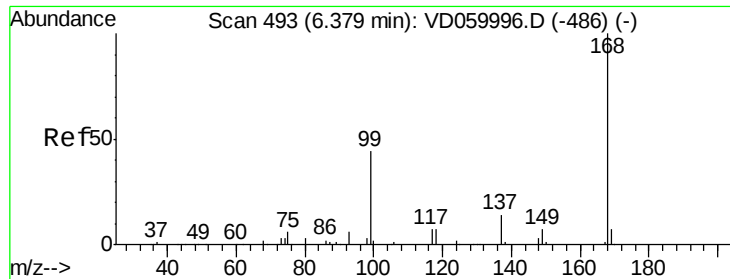
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	433932	20.310	ug/l	98
94) Hexachlorobutadiene	14.88	225	293828	20.790	ug/l	99
95) Naphthalene	14.97	128	615741	18.661	ug/l	98
96) 1,2,3-Trichlorobenzene	15.12	180	362283	19.242	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0919SBS01

Tot Ion:168 Resp: 1484833

Ion Ratio Lower Upper

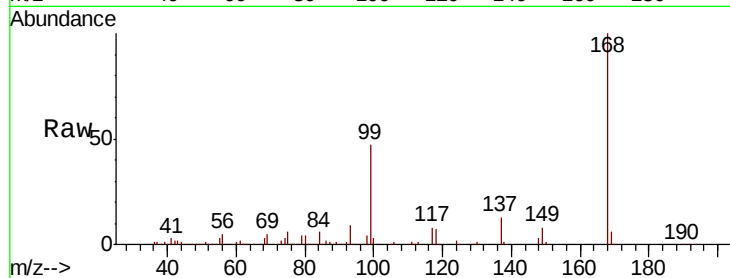
168 100

99 46.7 38.5 57.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

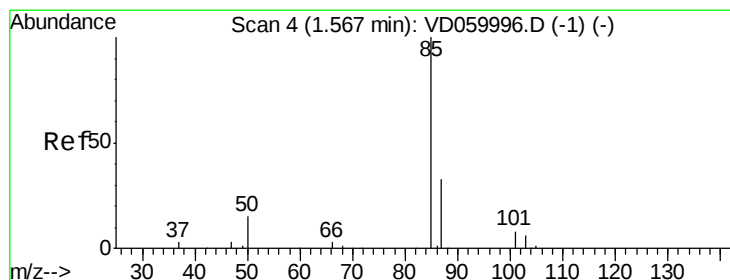
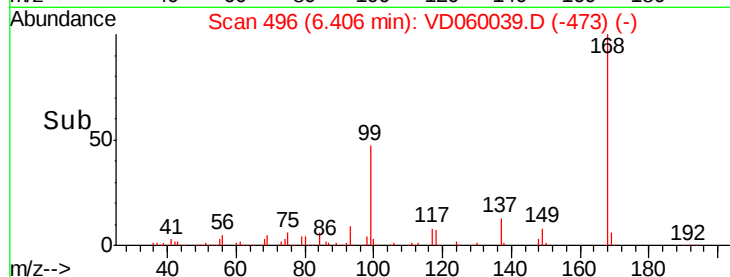
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.384 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060039.D

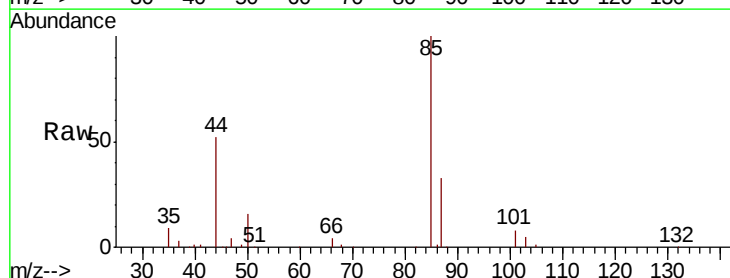
Acq: 19 Sep 2018 12:31

Tgt Ion: 85 Resp: 288145

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

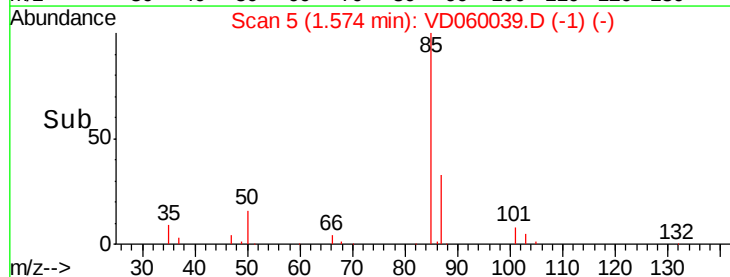
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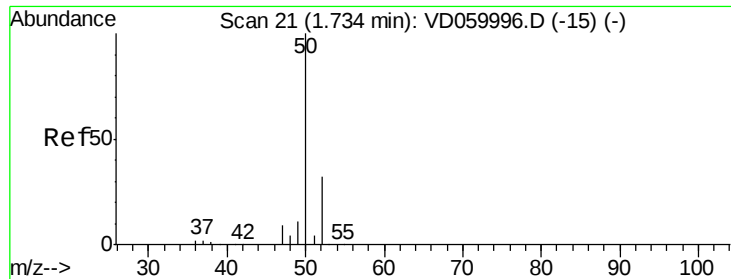
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50000

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Time-->





#3

Chloromethane

Concen: 21.580 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.01 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0919SBSD01

Tot Ion: 50 Resp: 298779

Ion Ratio Lower Upper

50 100

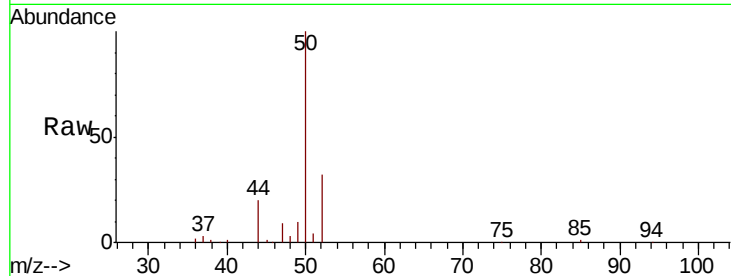
52 31.6 25.4 38.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

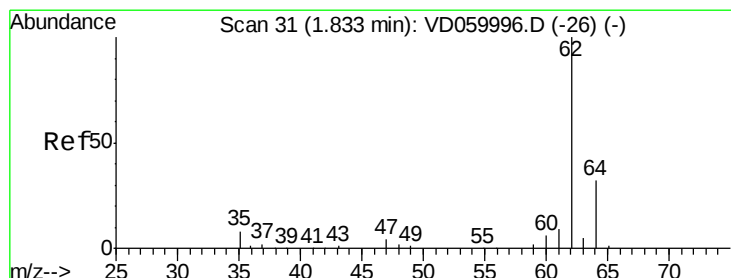
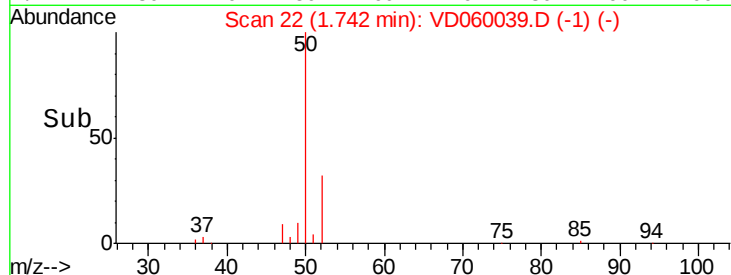
1.74

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 21.024 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060039.D

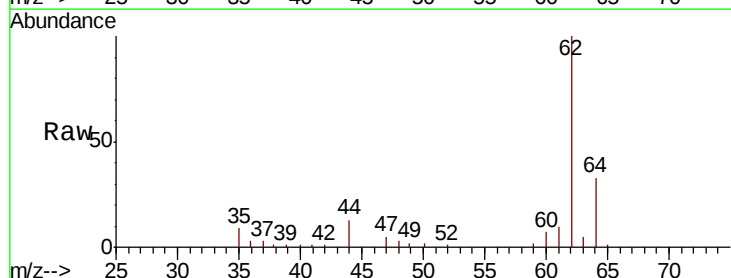
Acq: 19 Sep 2018 12:31

Tgt Ion: 62 Resp: 233997

Ion Ratio Lower Upper

62 100

64 32.5 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

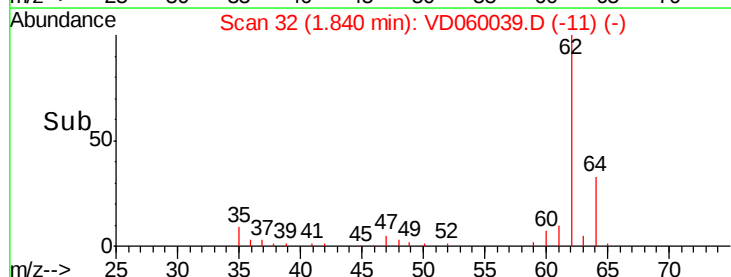
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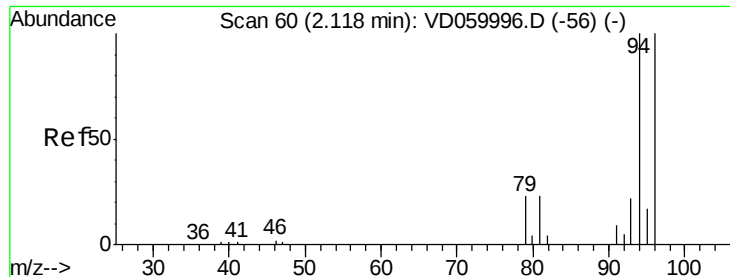
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50000

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Time-->





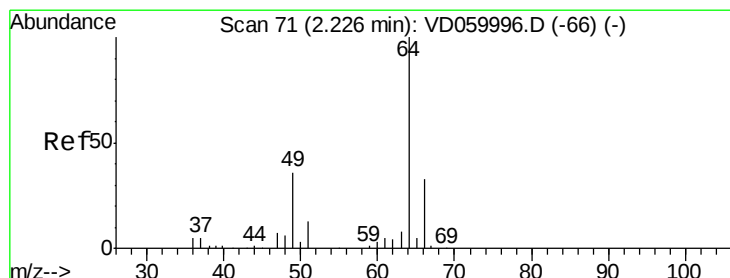
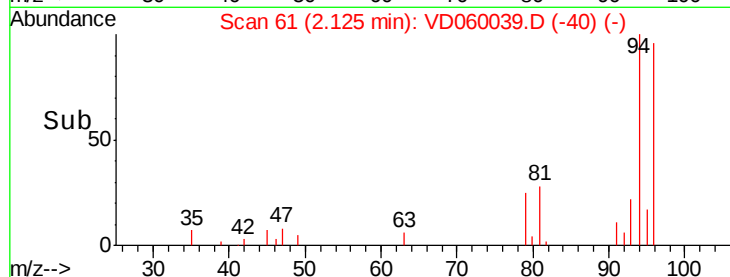
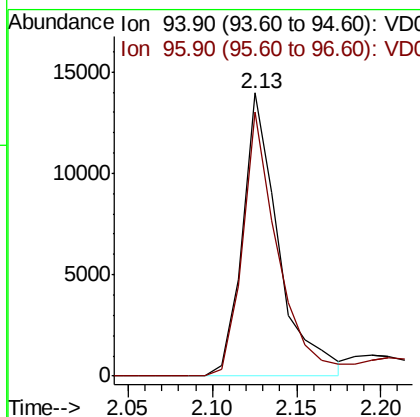
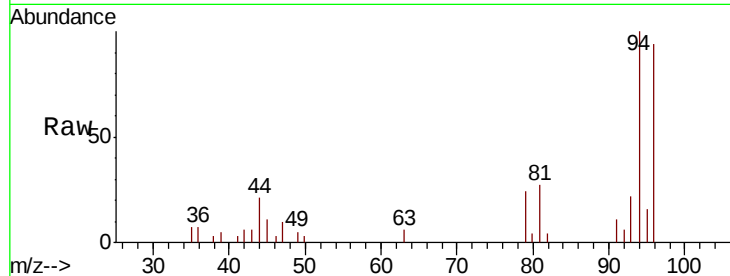
#5
Bromomethane
Concen: 15.694 ug/l
RT: 2.13 min Scan# 61
Delta R.T. 0.01 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBS01

Tot Ion: 94 Resp: 20675
Ion Ratio Lower Upper
94 100
96 93.5 79.8 119.8

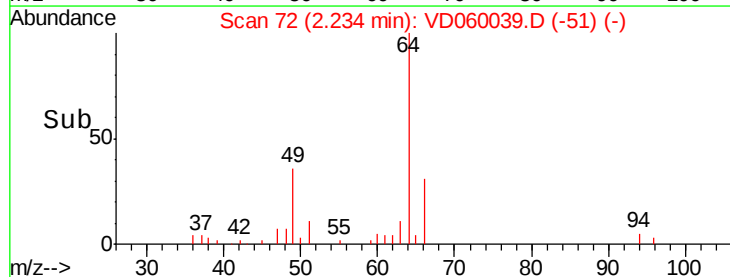
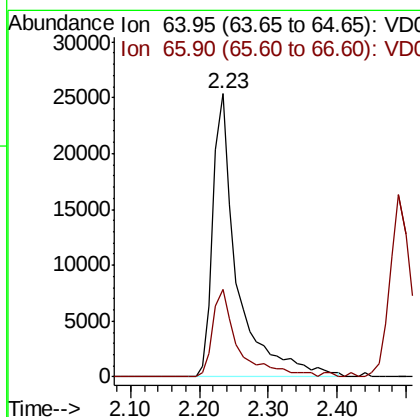
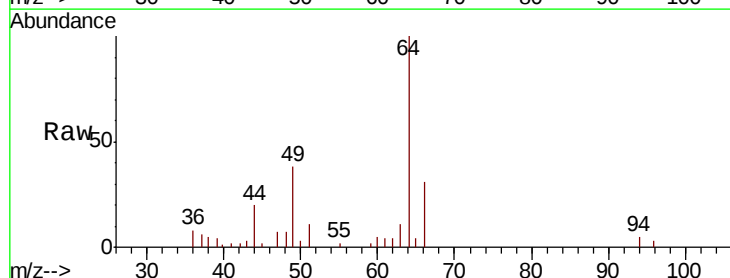
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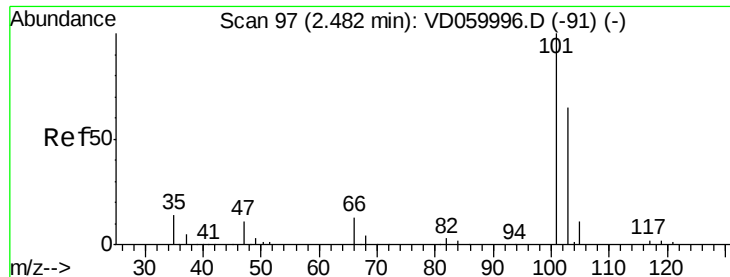
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#6
Chloroethane
Concen: 24.893 ug/l
RT: 2.23 min Scan# 72
Delta R.T. 0.01 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion: 64 Resp: 61939
Ion Ratio Lower Upper
64 100
66 30.9 26.5 39.7





#7

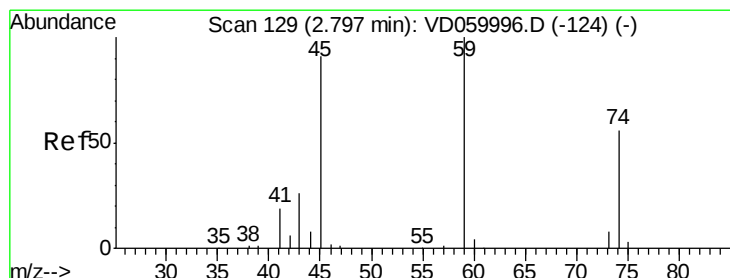
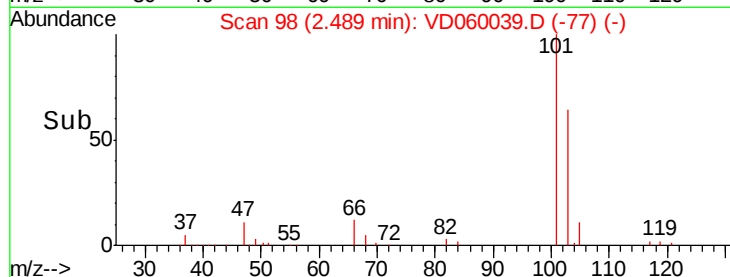
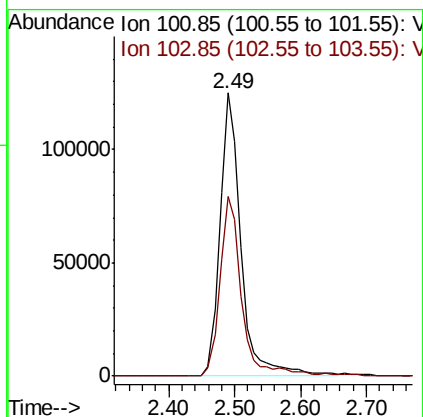
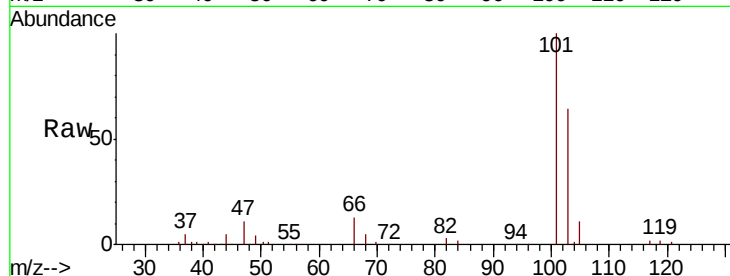
Trichlorofluoromethane
 Concen: 22.786 ug/l
 RT: 2.49 min Scan# 98
 Delta R.T. 0.01 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Instrument :
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 ClientSampleId :
 VD0919SBS01

Tot Ion: 101 Resp: 279207
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.6 77.4

Manual Integrations
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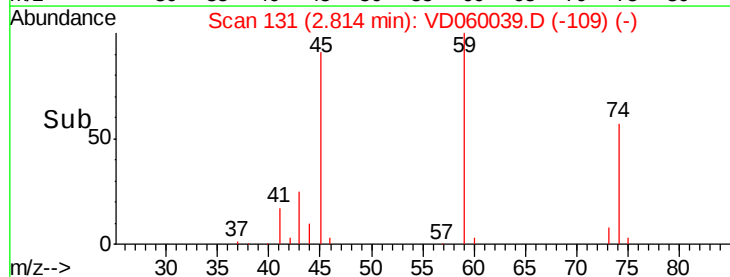
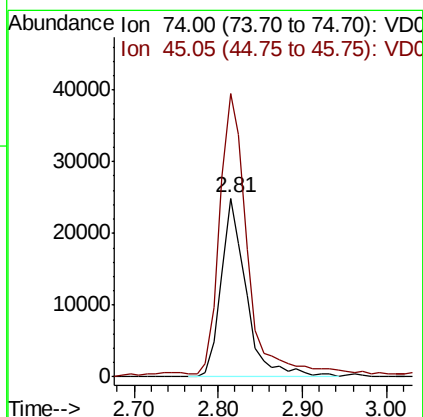
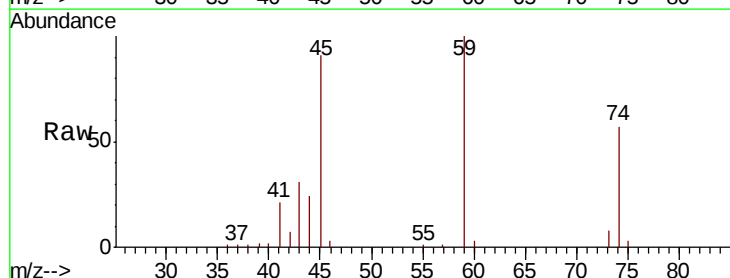
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 9/21/2018 5:02:15 PM

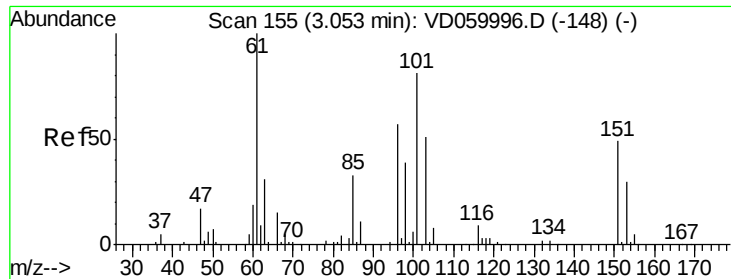


#8

Diethyl Ether
 Concen: 19.835 ug/l
 RT: 2.81 min Scan# 131
 Delta R.T. 0.02 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion: 74 Resp: 51666
 Ion Ratio Lower Upper
 74 100
 45 158.6 81.2 243.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.463 ug/l

RT: 3.08 min Scan# 158

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

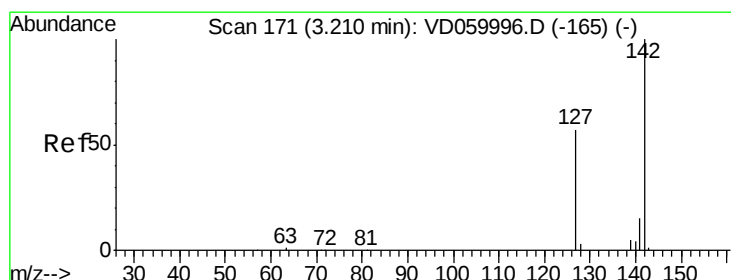
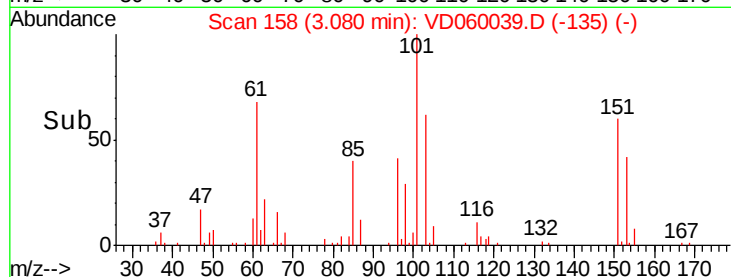
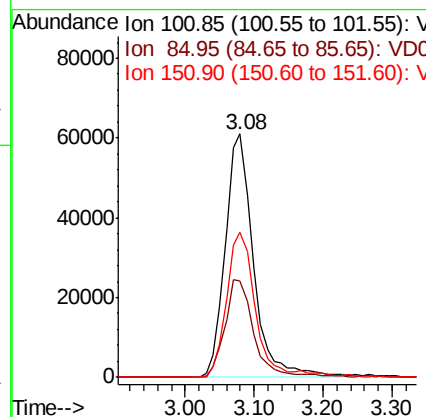
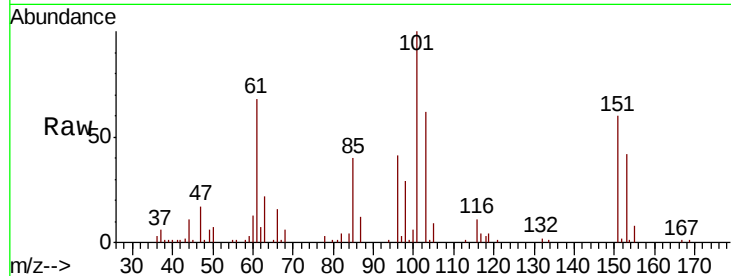
ClientSampleId :

VD0919SBS01

Tot Ion:	101	Resp:	173568
Ion Ratio	Lower	Upper	
101	100		
85	39.5	33.1	49.7
151	59.8	48.2	72.4

Manual Integrations
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9/21/2018 5:02:15 PM



#10

Methyl Iodide

Concen: 22.261 ug/l

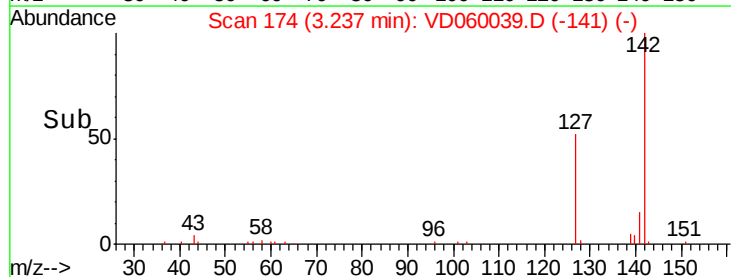
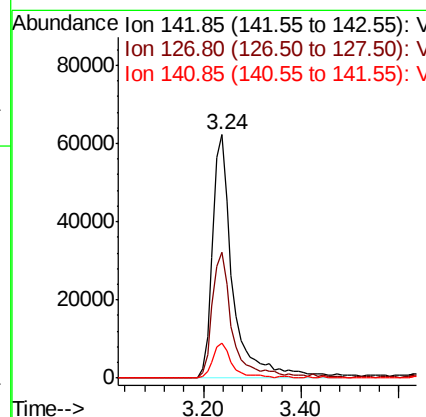
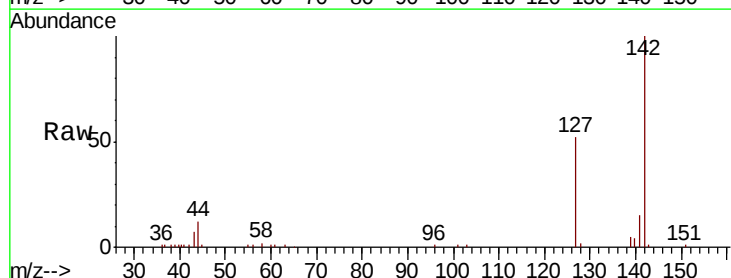
RT: 3.24 min Scan# 174

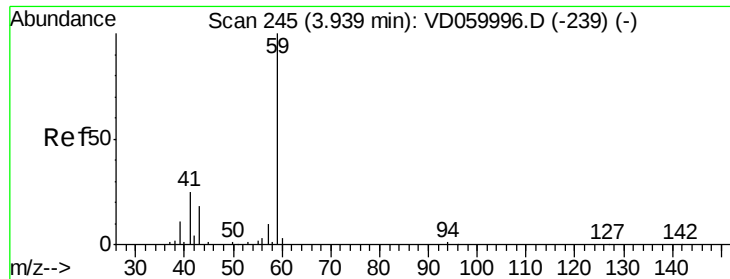
Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Tgt Ion:	142	Resp:	182179
Ion Ratio	Lower	Upper	
142	100		
127	51.8	45.8	68.8
141	14.6	12.2	18.4





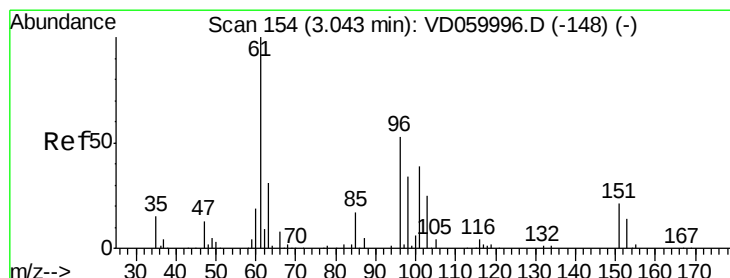
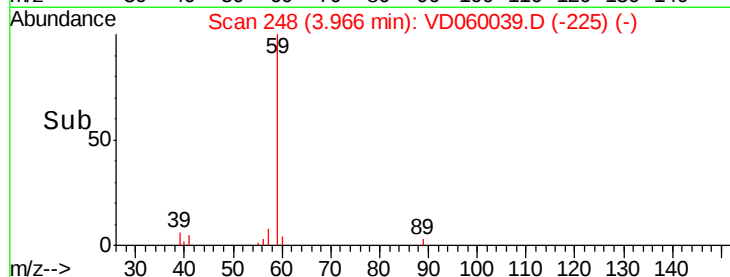
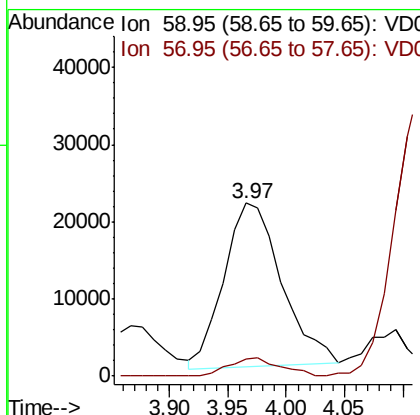
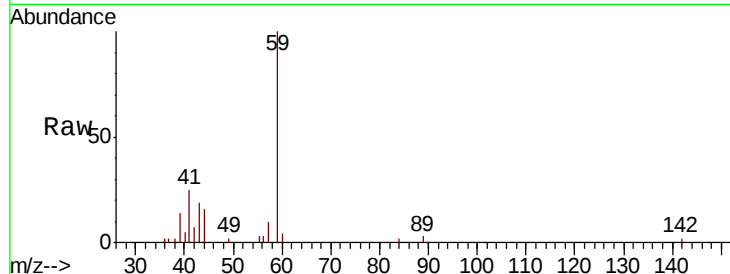
#11
Tert butyl alcohol
Concen: 77.754 ug/l
RT: 3.97 min Scan# 248
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBS01

Tot Ion: 59 Resp: 72648
Ion Ratio Lower Upper
59 100
57 9.9 7.4 11.2

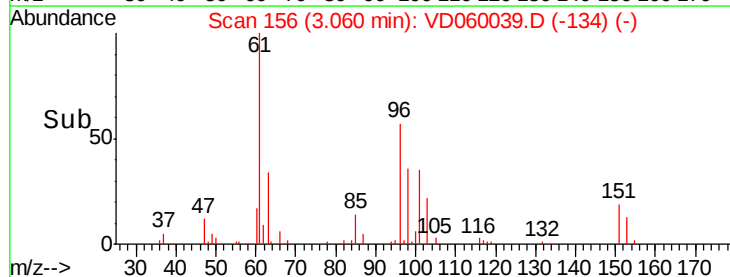
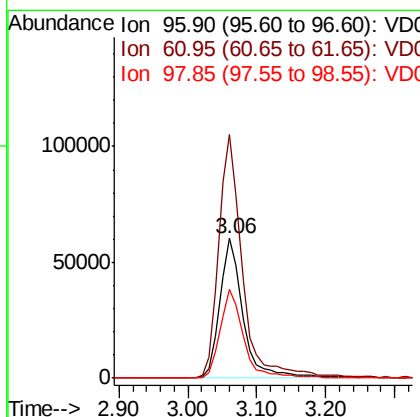
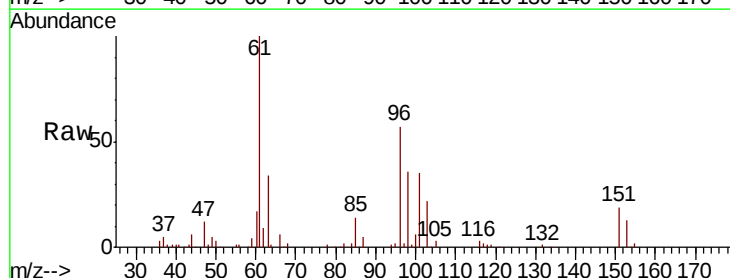
Manual Integrations
APPROVED

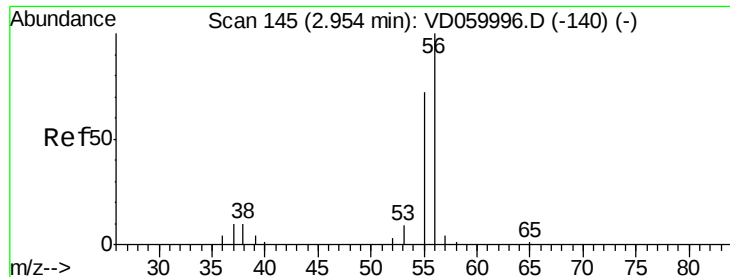
MMDadoda
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#12
1,1-Dichloroethene
Concen: 23.134 ug/l
RT: 3.06 min Scan# 156
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion: 96 Resp: 141334
Ion Ratio Lower Upper
96 100
61 174.4 149.8 224.6
98 63.6 50.2 75.4





#13

Acrolein

Concen: 88.827 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0919SBS01

Tot Ion: 56 Resp: 51395

Ion Ratio Lower Upper

56 100

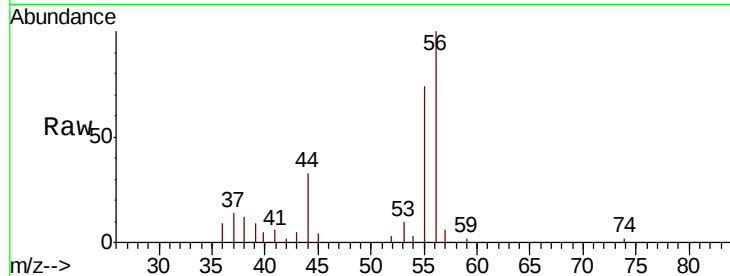
55 74.3 58.3 87.5

Manual Integrations

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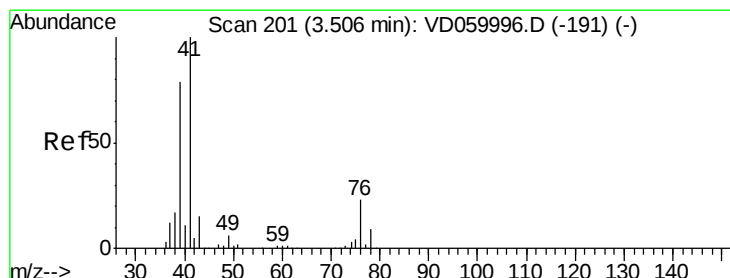
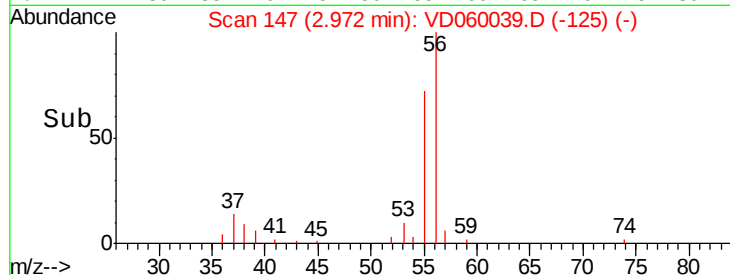
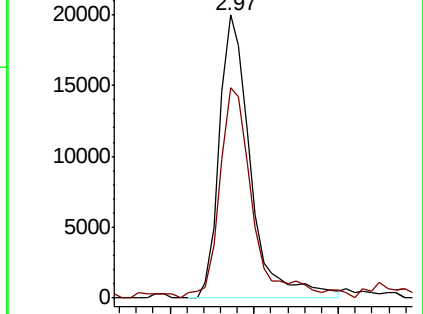
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.799 ug/l

RT: 3.52 min Scan# 203

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

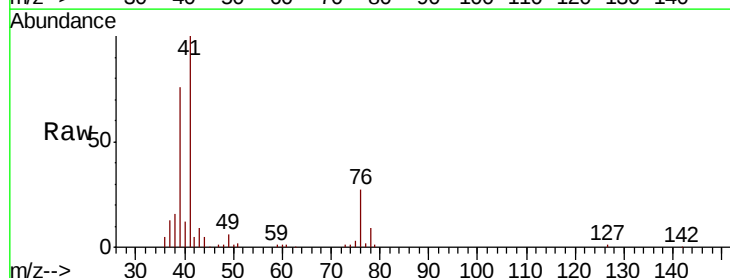
Tgt Ion: 41 Resp: 280865

Ion Ratio Lower Upper

41 100

39 76.5 63.6 95.4

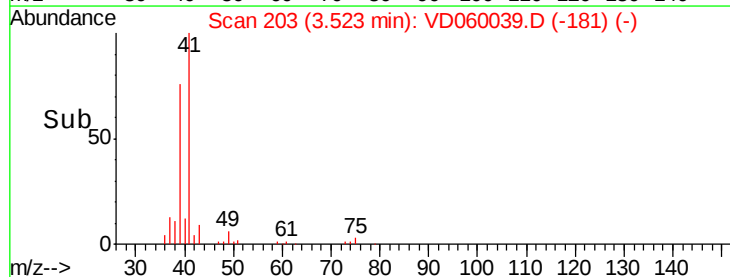
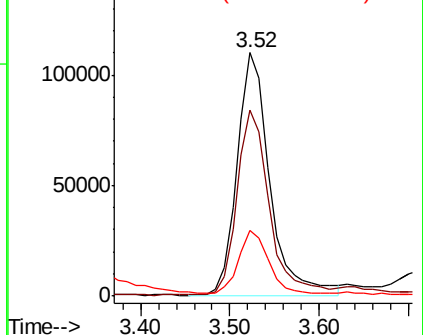
76 27.0 21.1 31.7

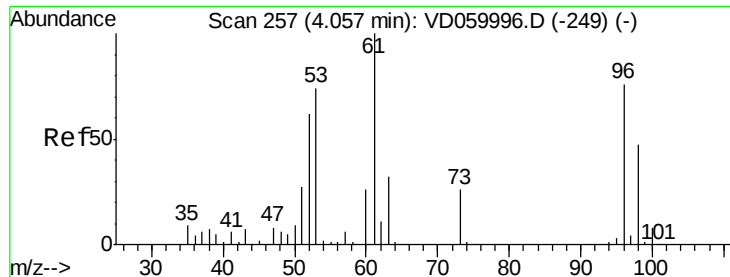


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 94.925 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

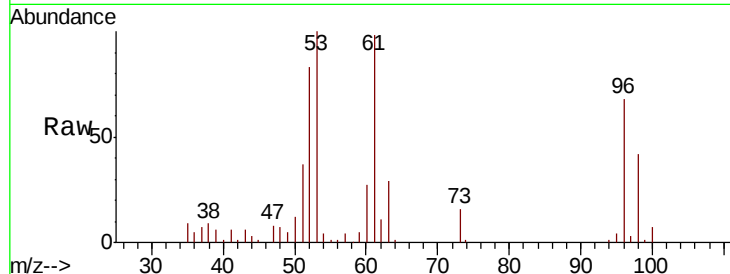
ClientSampleId :

VD0919SBS01

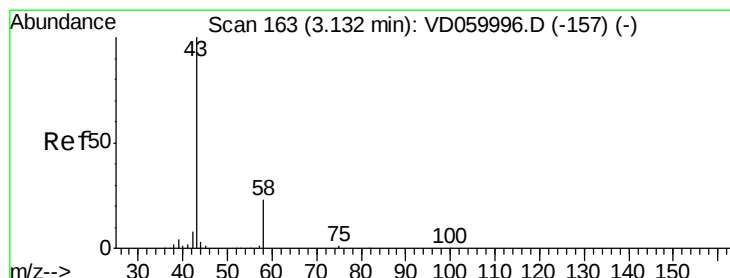
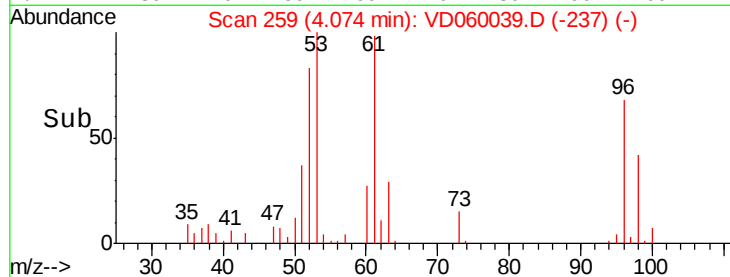
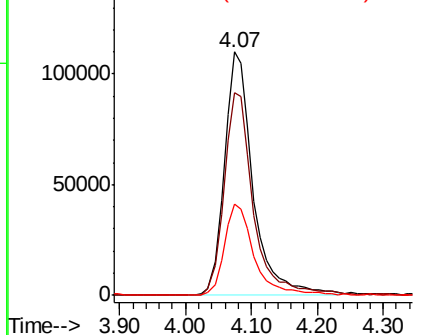
Tot Ion:	53	Resp:	334786
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.7	100.1
51	37.5	29.0	43.6

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 115.963 ug/l

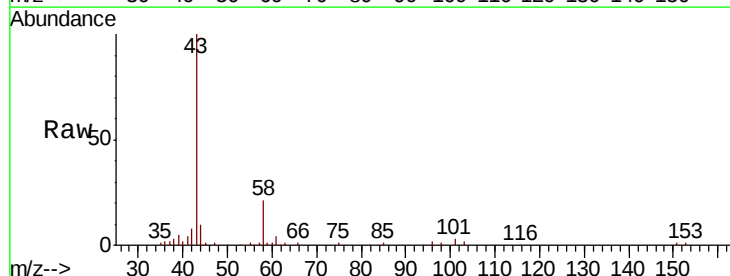
RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

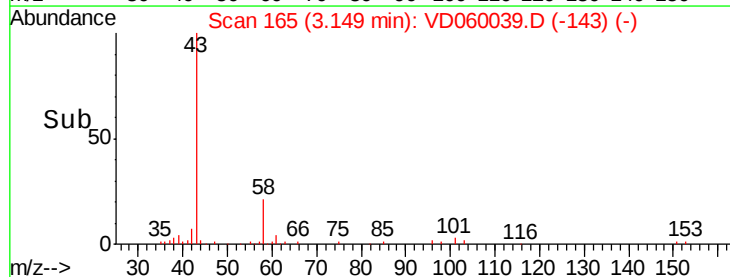
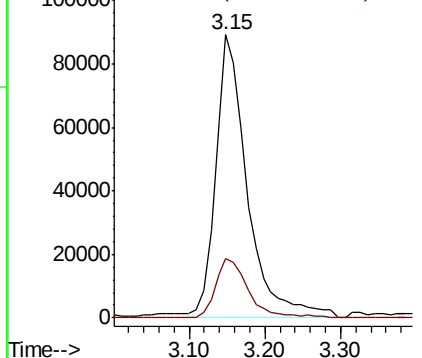
Lab File: VD060039.D

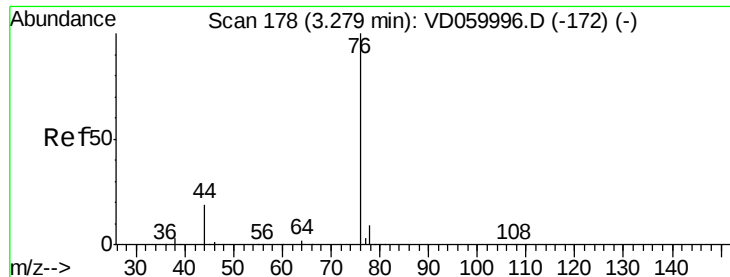
Acq: 19 Sep 2018 12:31

Tgt Ion:	43	Resp:	259248
Ion	Ratio	Lower	Upper
43	100		
58	20.8	18.1	27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





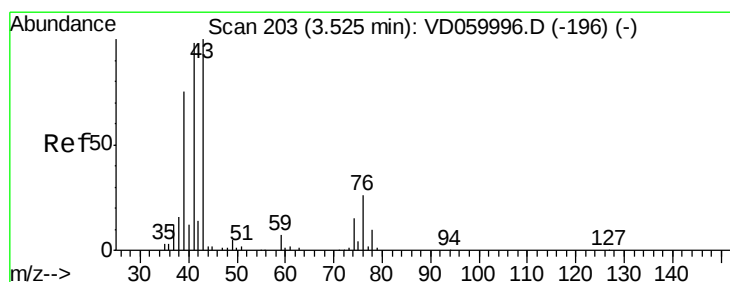
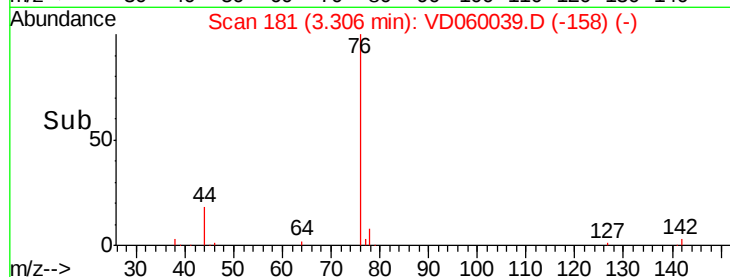
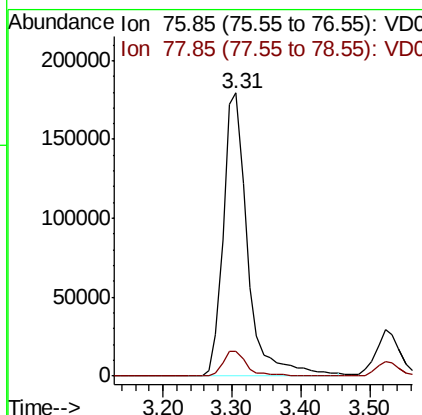
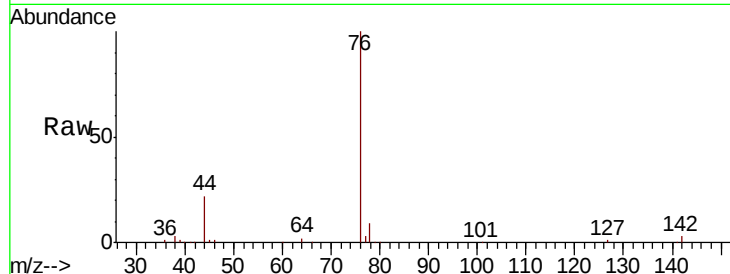
#17
Carbon Disulfide
Concen: 20.858 ug/l
RT: 3.31 min Scan# 181
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

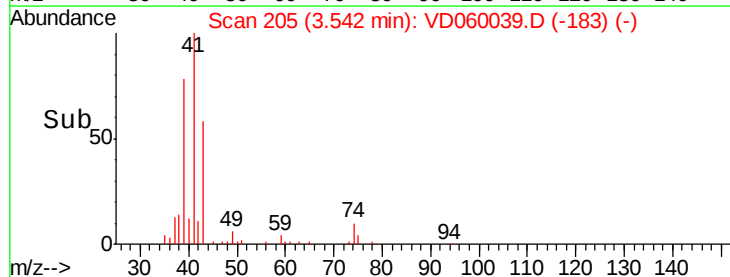
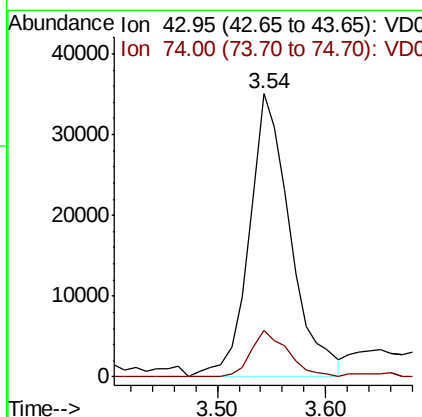
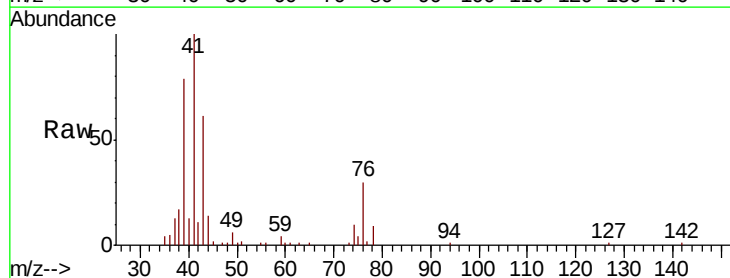
Manual Integrations
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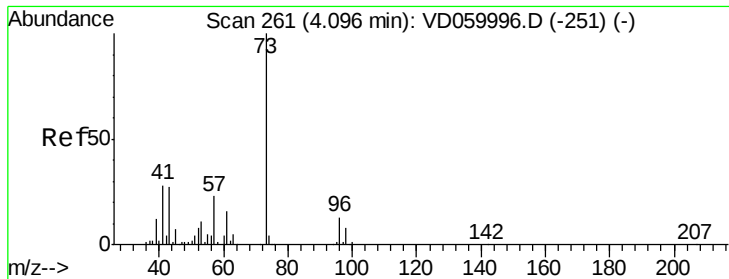
MMDadoda
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#18
Methyl Acetate
Concen: 20.298 ug/l
RT: 3.54 min Scan# 205
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.3	11.8	17.8





#19

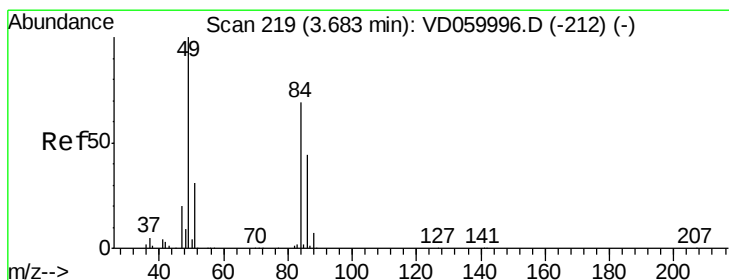
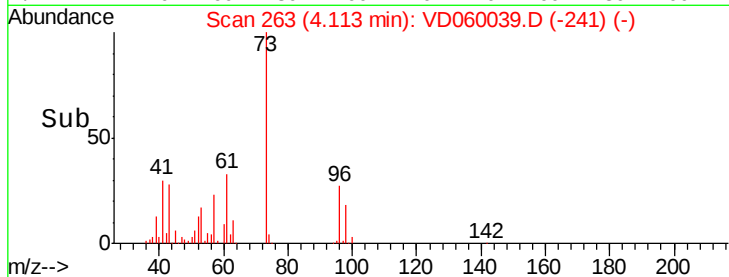
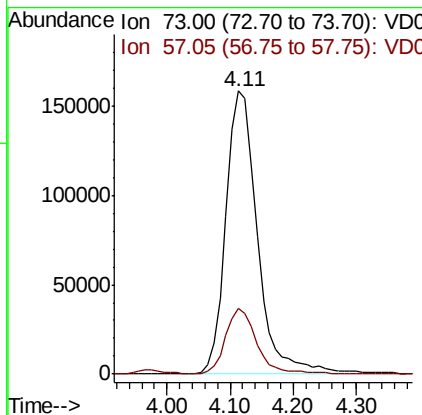
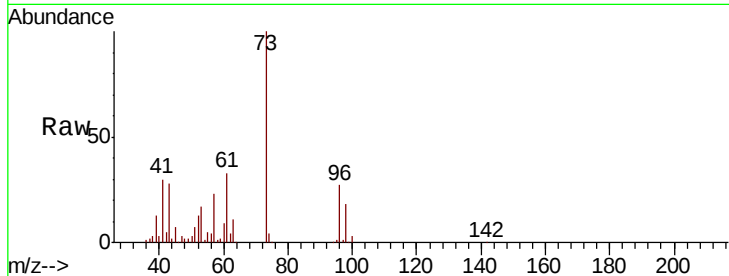
Methyl tert-butyl Ether
 Concen: 19.410 ug/l
 RT: 4.11 min Scan# 263
 Delta R.T. 0.02 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0919SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.4	27.6

Manual Integrations
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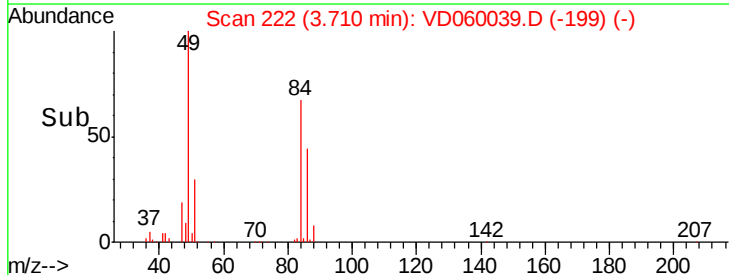
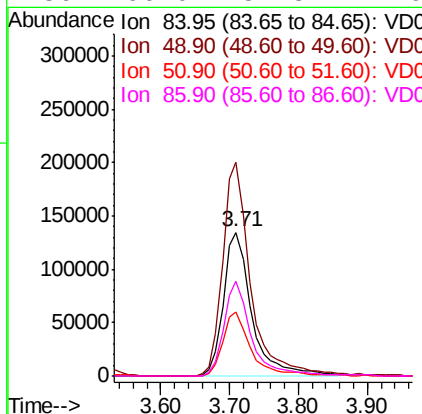
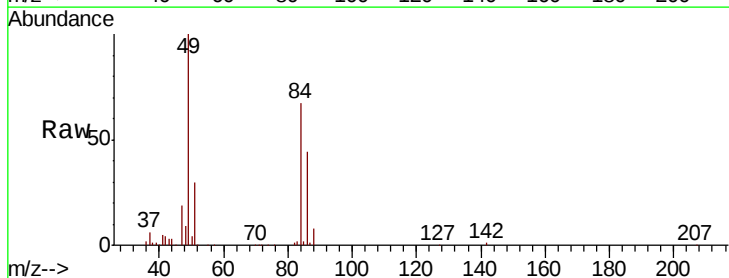
MMDadoda
 9/21/2018 5:02:15 PM

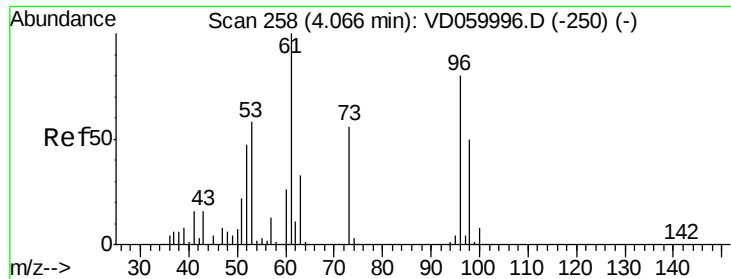


#20

Methylene Chloride
 Concen: 19.626 ug/l
 RT: 3.71 min Scan# 222
 Delta R.T. 0.03 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.8	116.6	175.0
51	44.8	35.9	53.9
86	66.0	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 20.319 ug/l

RT: 4.09 min Scan# 261

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0919SBS01

Tot Ion: 96 Resp: 325767

Ion Ratio Lower Upper

96 100

61 129.2 100.1 150.1

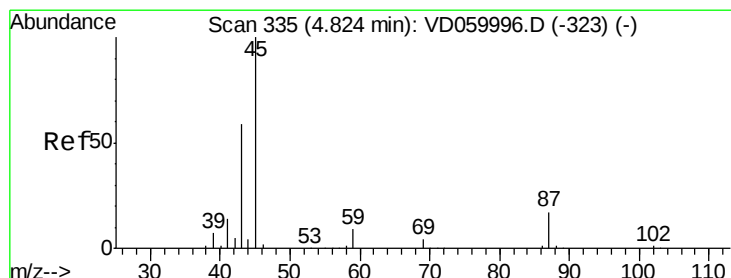
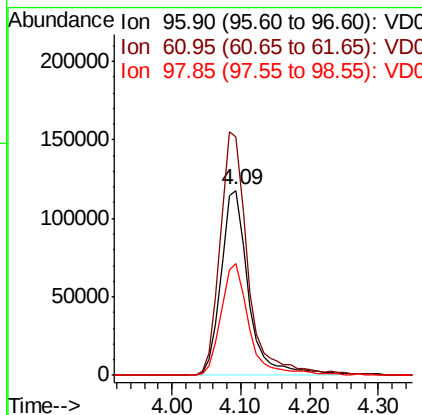
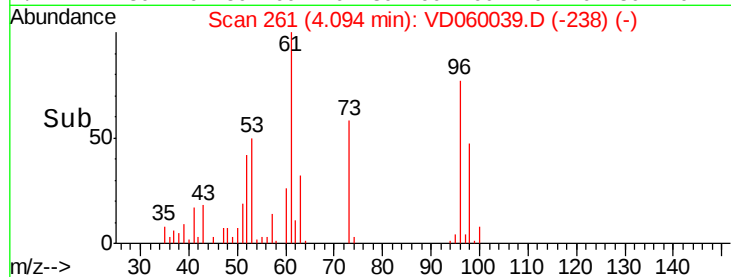
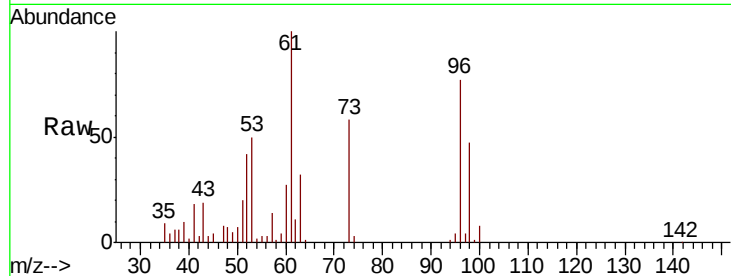
98 60.5 49.5 74.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.620 ug/l

RT: 4.85 min Scan# 338

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Tgt Ion: 45 Resp: 1211886

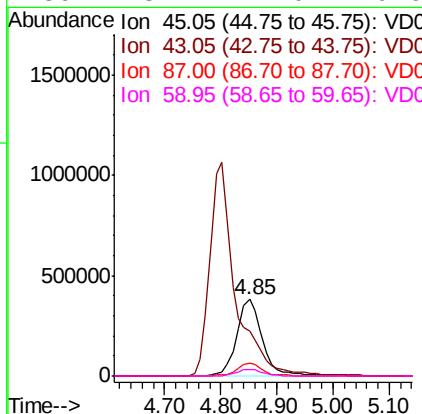
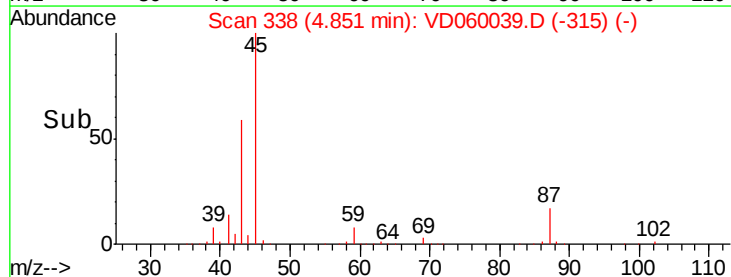
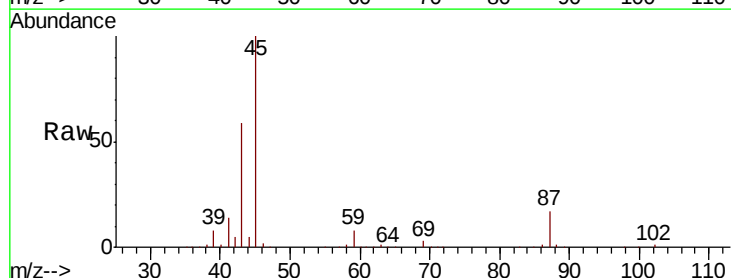
Ion Ratio Lower Upper

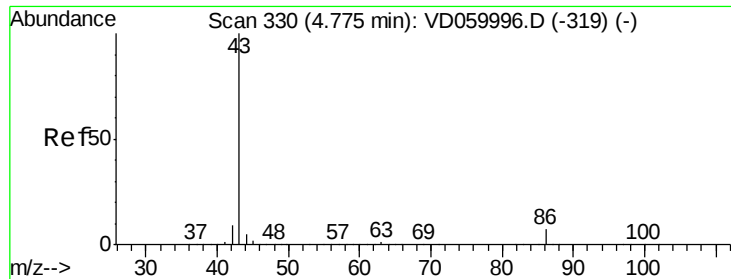
45 100

43 58.8 47.1 70.7

87 17.3 14.2 21.2

59 8.4 7.0 10.6





#23

Vinyl Acetate

Concen: 101.904 ug/l

RT: 4.80 min Scan# 333

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0919SBS01

Tot Ion: 43 Resp: 3392959

Ion Ratio Lower Upper

43 100

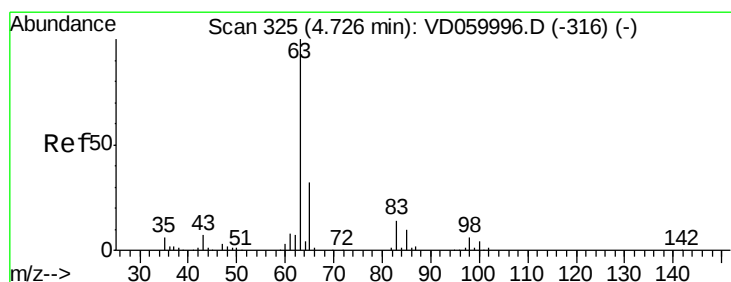
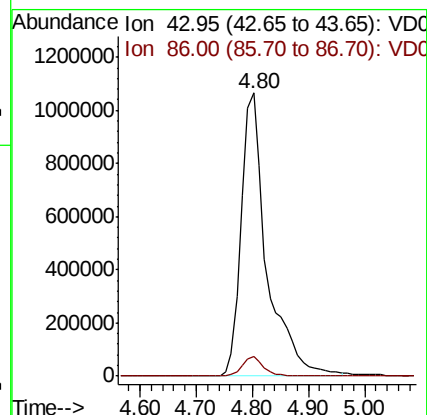
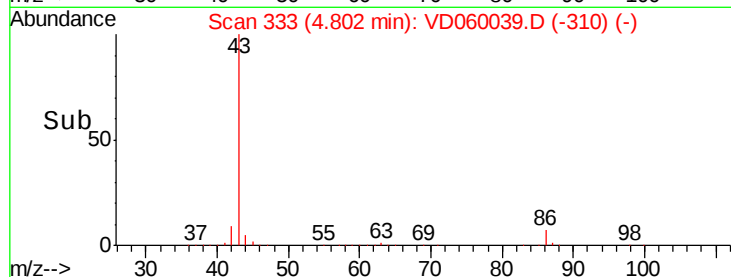
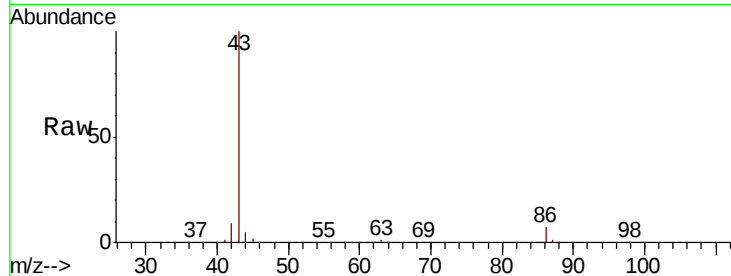
86 6.8 5.5 8.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.004 ug/l

RT: 4.75 min Scan# 328

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

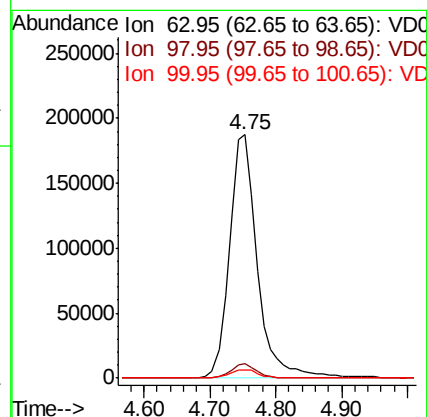
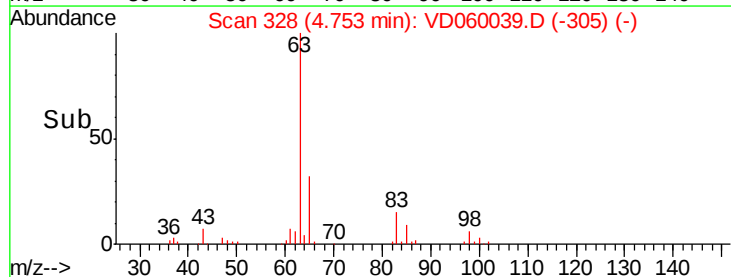
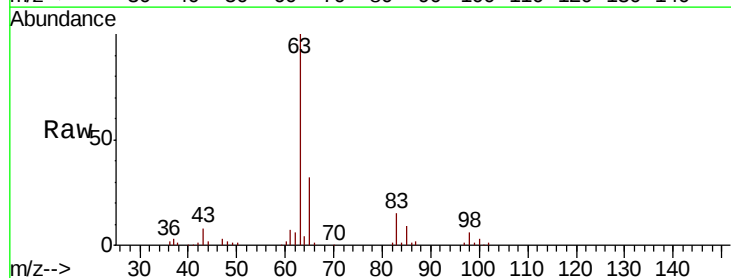
Tgt Ion: 63 Resp: 553975

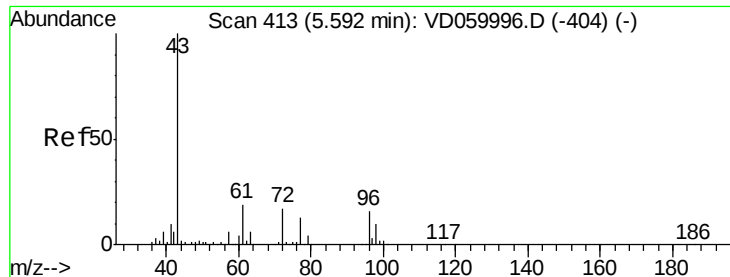
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.6

100 3.4 1.8 5.4





#25

2-Butanone

Concen: 113.086 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0919SBS01

Tot Ion: 43 Resp: 682218

Ion Ratio Lower Upper

43 100

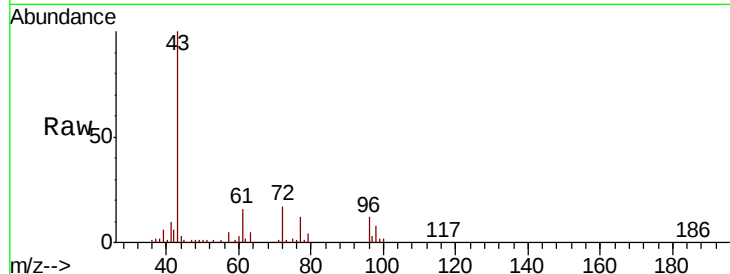
72 17.5 13.6 20.4

Manual Integrations

APPROVED

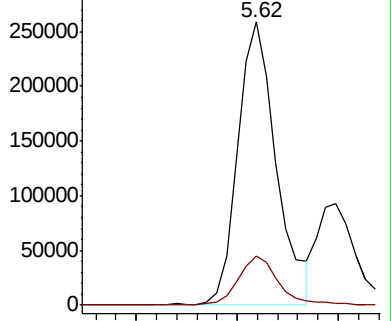
MMDadoda

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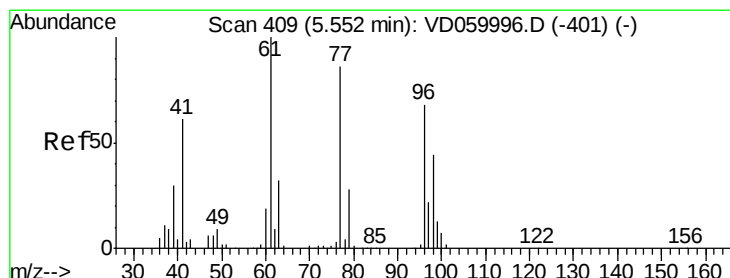
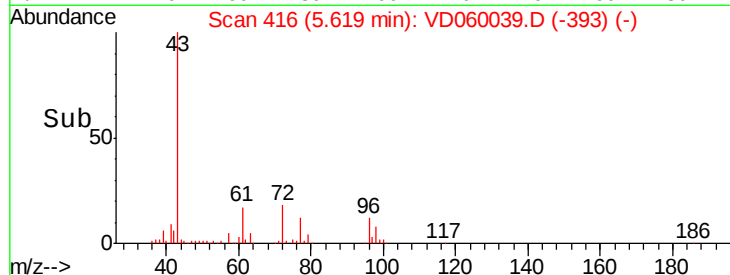


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 21.561 ug/l

RT: 5.58 min Scan# 412

Delta R.T. 0.03 min

Lab File: VD060039.D

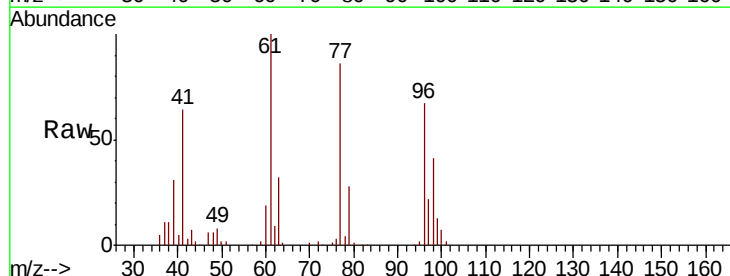
Acq: 19 Sep 2018 12:31

Tgt Ion: 77 Resp: 442108

Ion Ratio Lower Upper

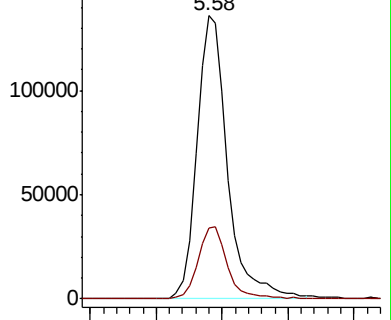
77 100

97 25.2 12.7 38.1

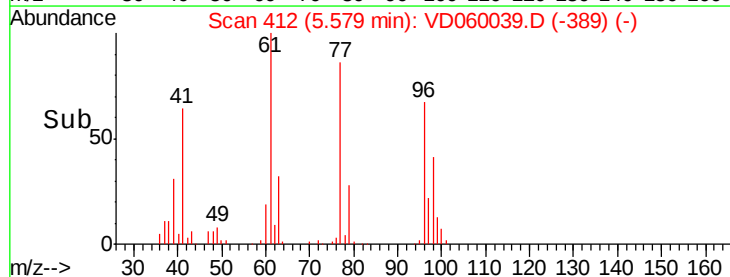


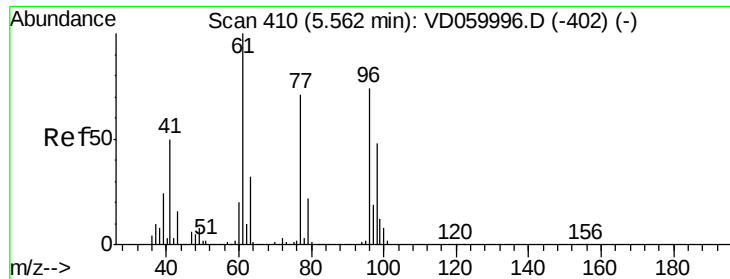
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->





#27

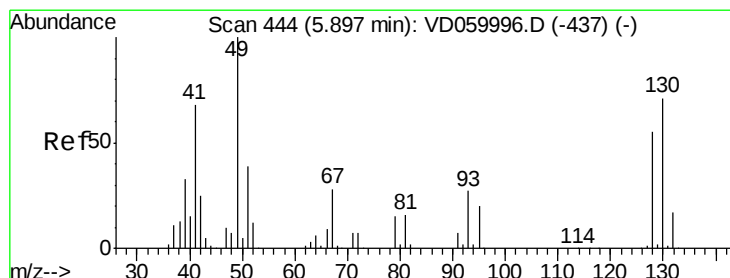
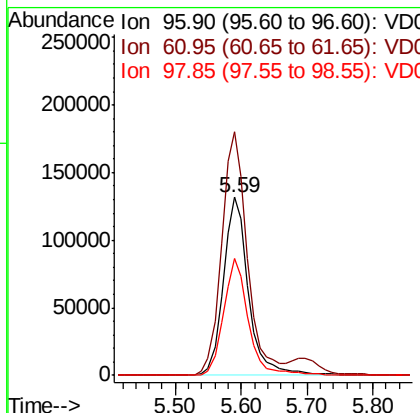
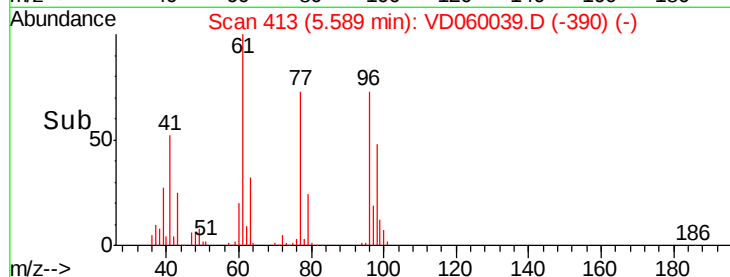
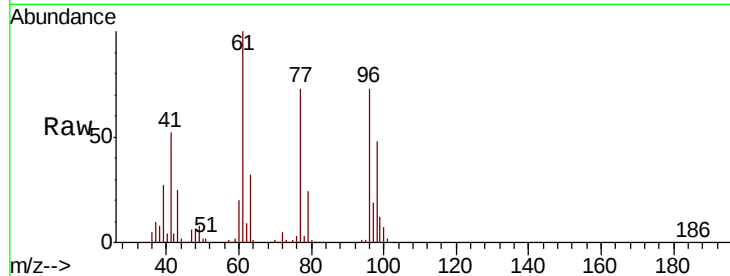
cis-1,2-Dichloroethene
Concen: 20.872 ug/l
RT: 5.59 min Scan# 413
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.9	0.0	269.6	
98	66.1	0.0	128.4	

Manual Integrations
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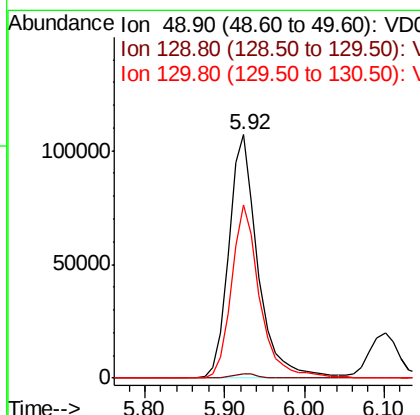
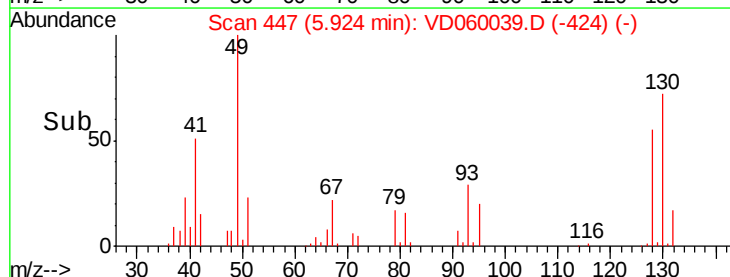
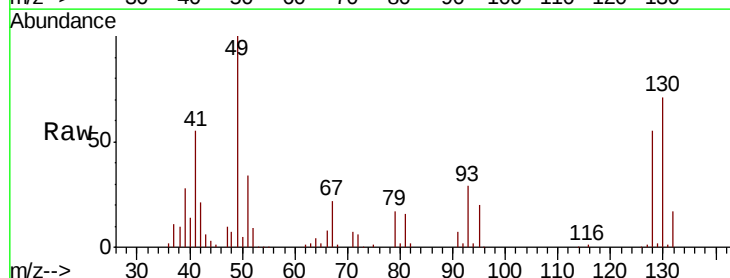
MMDadoda
9/21/2018 5:02:15 PM

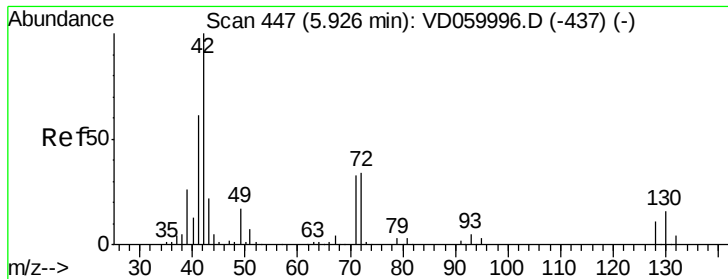


#28

Bromochloromethane
Concen: 21.423 ug/l
RT: 5.92 min Scan# 447
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	3.6	
130	71.4	57.1	85.7	





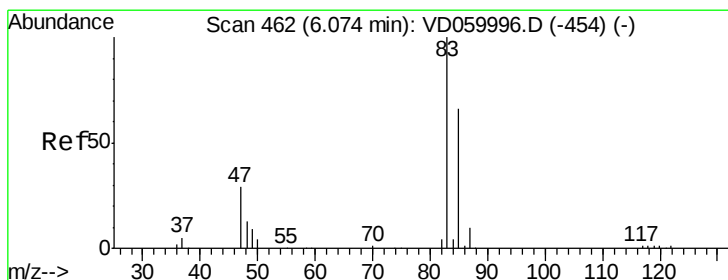
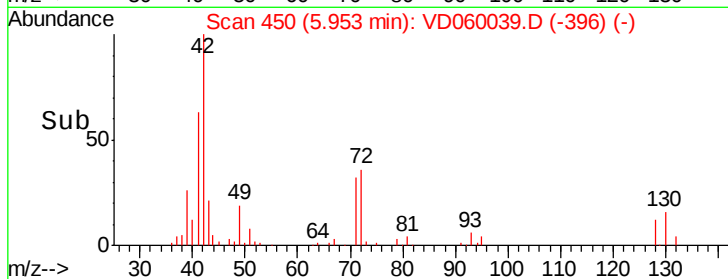
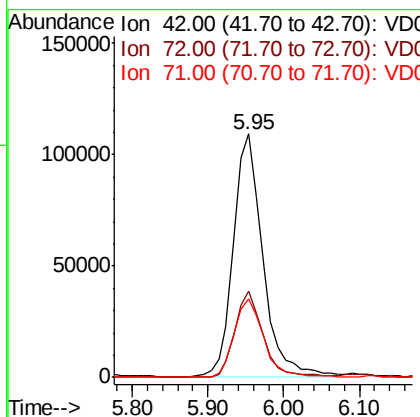
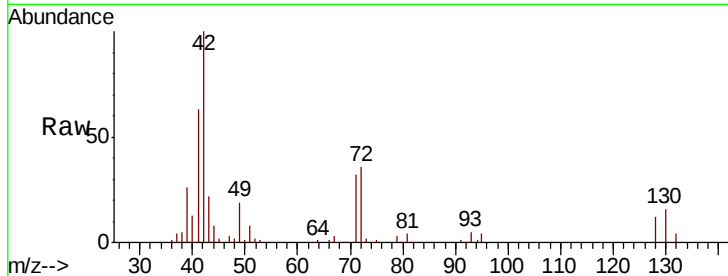
#29
Tetrahydrofuran
Concen: 91.495 ug/l
RT: 5.95 min Scan# 450
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.7	26.9	40.3
71	32.5	26.2	39.4

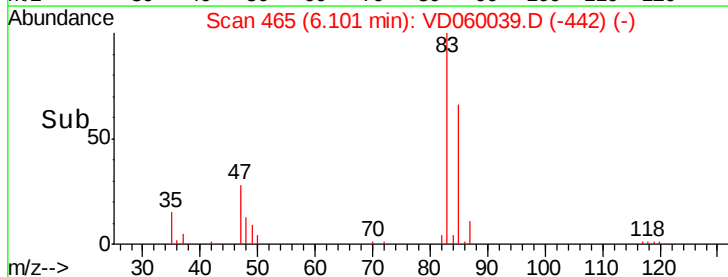
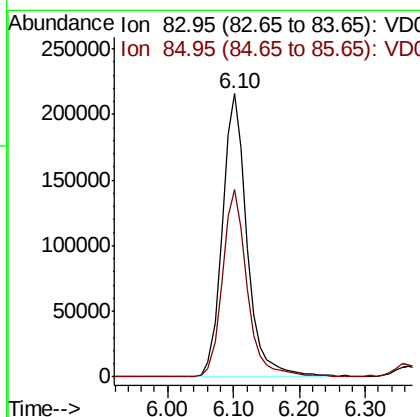
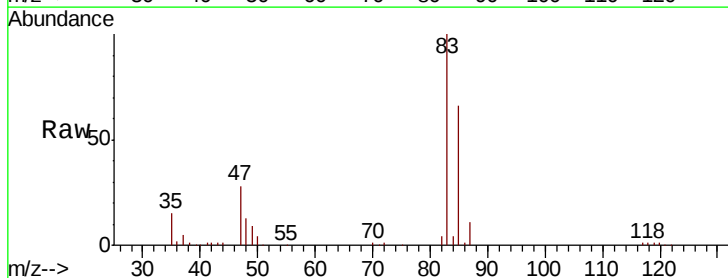
Manual Integrations
APPROVED

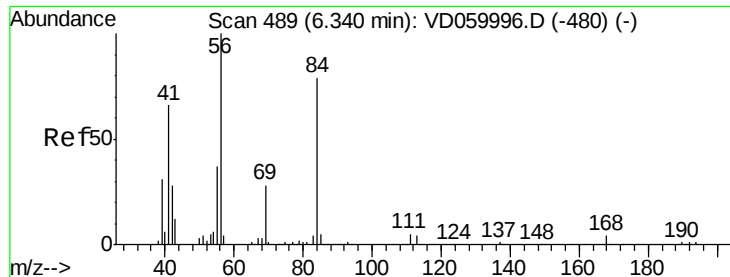
MMDadoda
9/21/2018 5:02:15 PM



#30
Chloroform
Concen: 21.127 ug/l
RT: 6.10 min Scan# 465
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.6	78.8





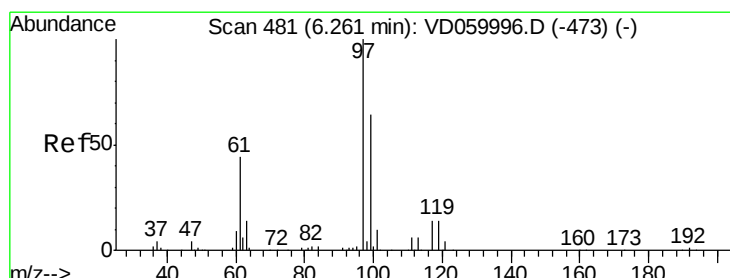
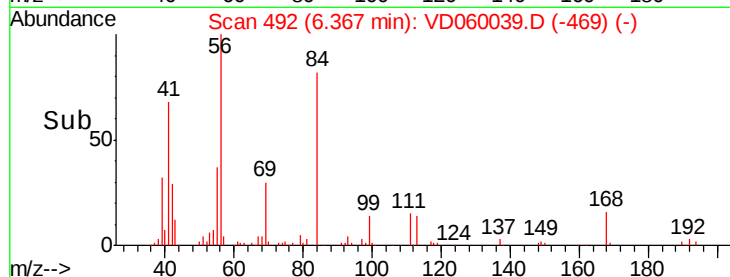
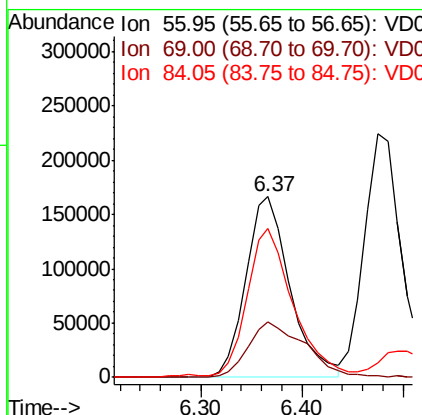
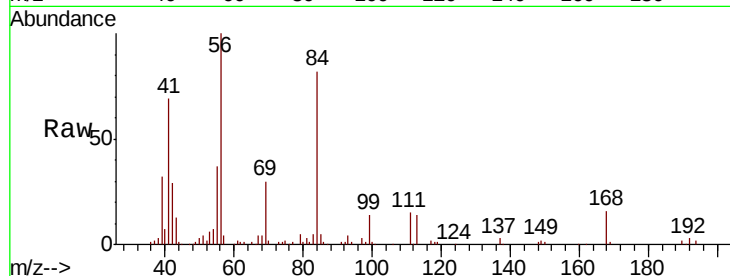
#31
Cvclohexane
Concen: 19.750 ug/l
RT: 6.37 min Scan# 492
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	22.7	34.1
84	82.2	64.0	96.0

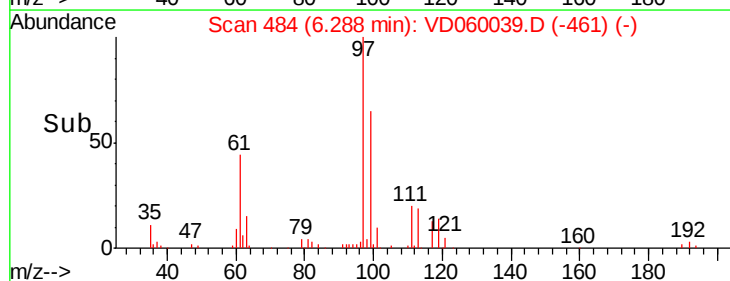
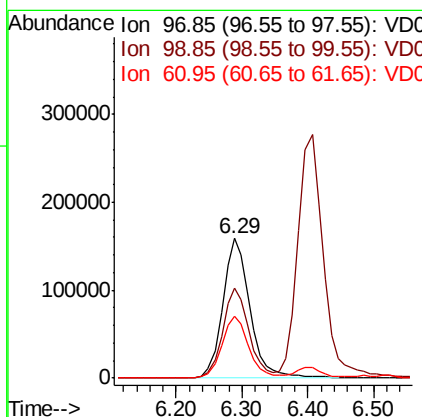
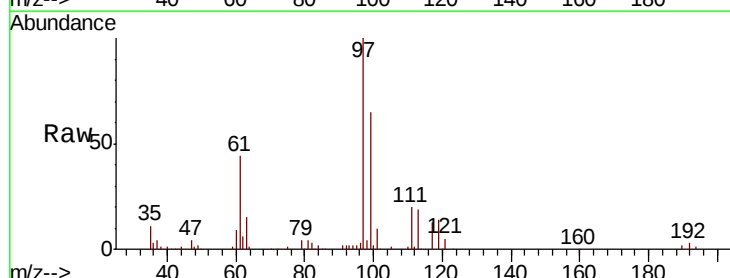
Manual Integrations
APPROVED

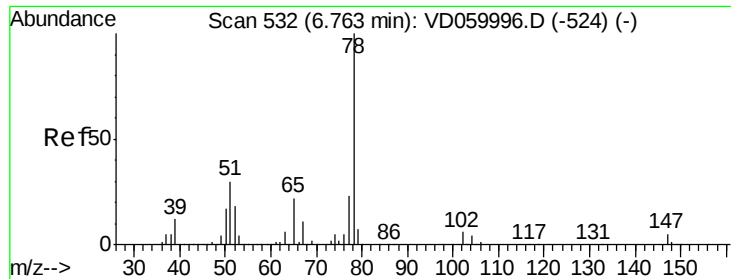
MMDadoda
9/21/2018 5:02:15 PM



#32
1,1,1-Trichloroethane
Concen: 20.540 ug/l
RT: 6.29 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.3	76.9
61	44.2	35.5	53.3





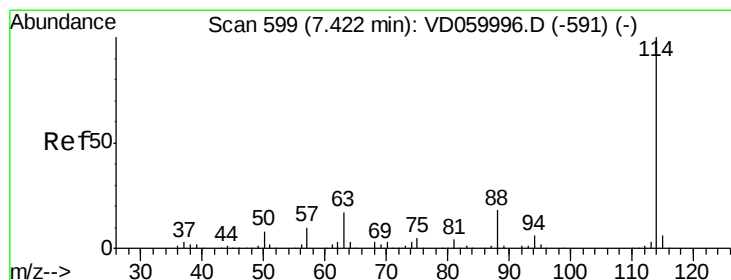
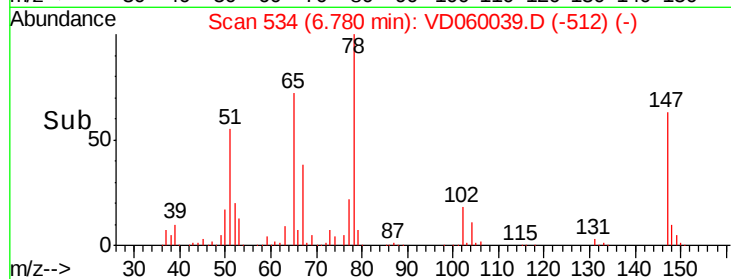
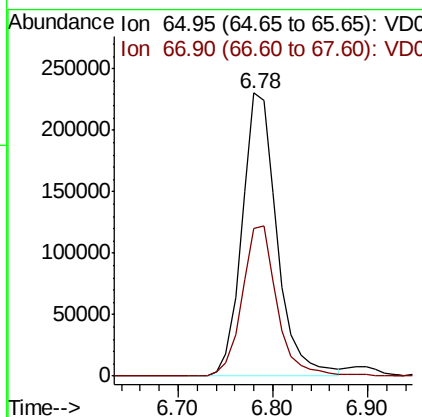
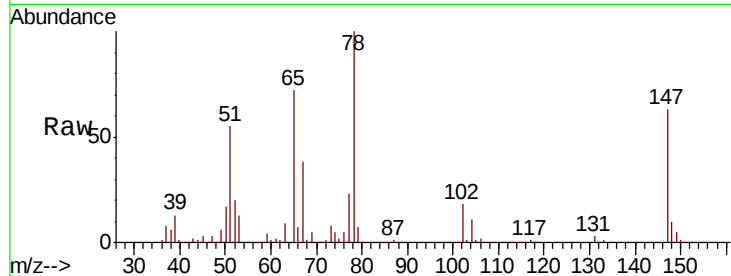
#33
 1,2-Dichloroethane-d4
 Concen: 20.540 ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0919SBS01

Tot Ion: 65 Resp: 587032
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.8

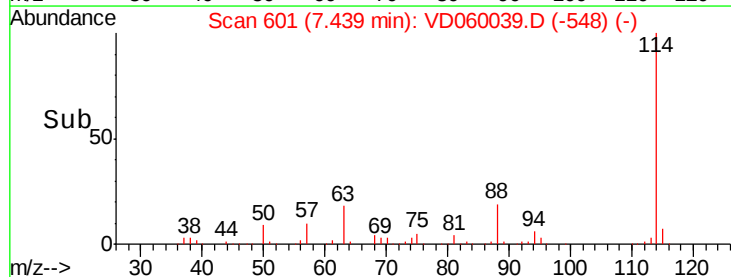
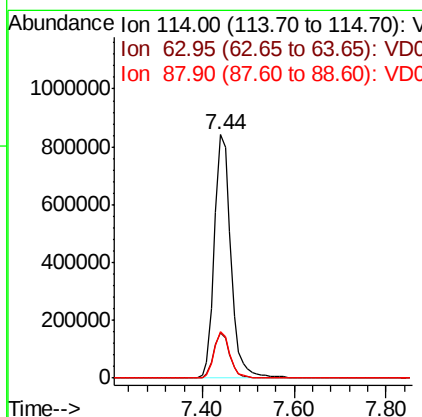
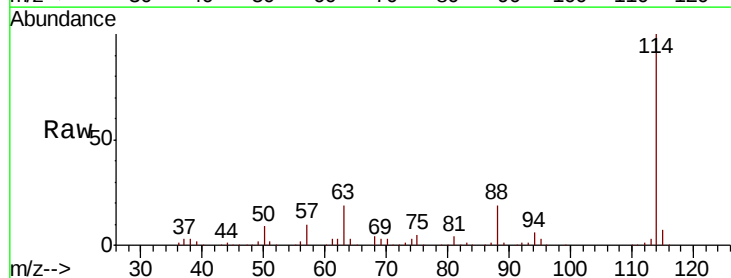
Manual Integrations
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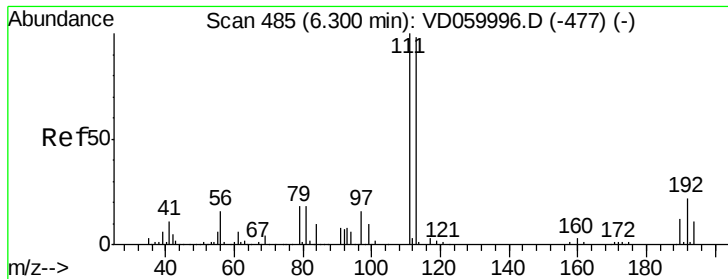
MMDadoda
 9/21/2018 5:02:15 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion: 114 Resp: 2061551
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 34.4
 88 18.9 0.0 35.8





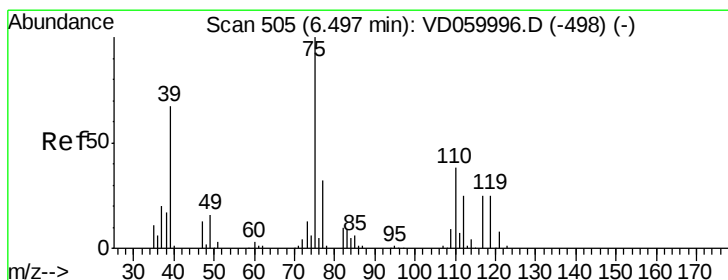
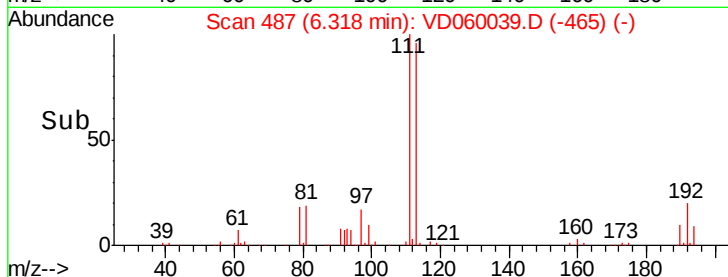
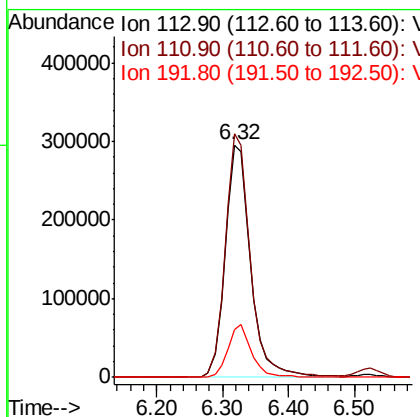
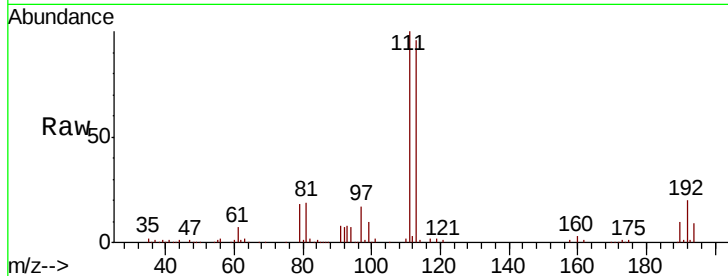
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.7	81.3	121.9	
192	20.7	18.1	27.1	

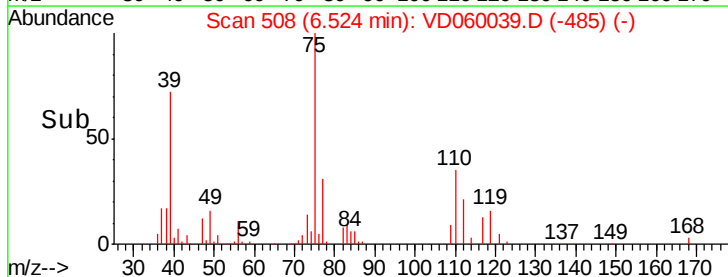
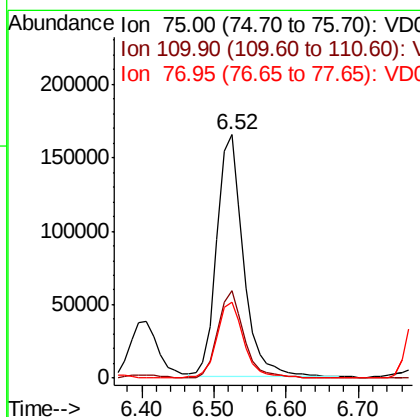
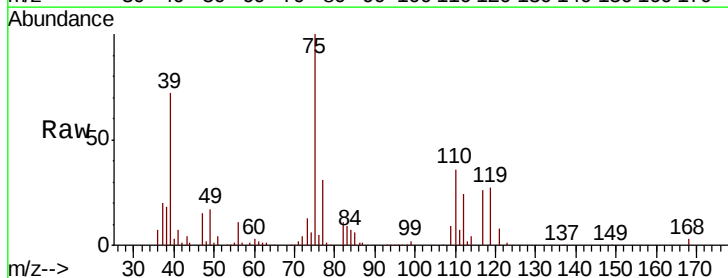
Manual Integrations
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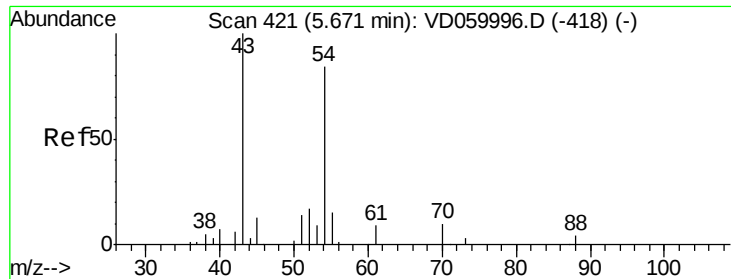
MMDadoda
 9/21/2018 5:02:15 PM



#36
 1,1-Dichloropropene
 Concen: 20.460 ug/l
 RT: 6.52 min Scan# 508
 Delta R.T. 0.03 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.9	18.9	56.9	
77	31.1	25.3	37.9	





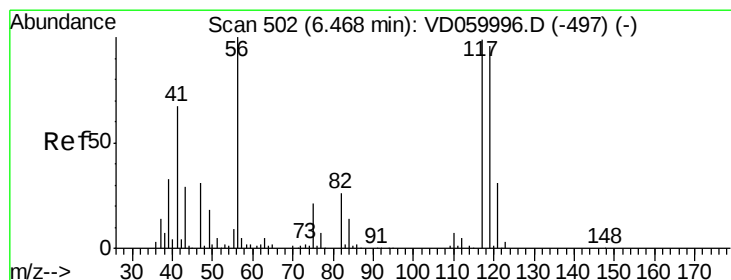
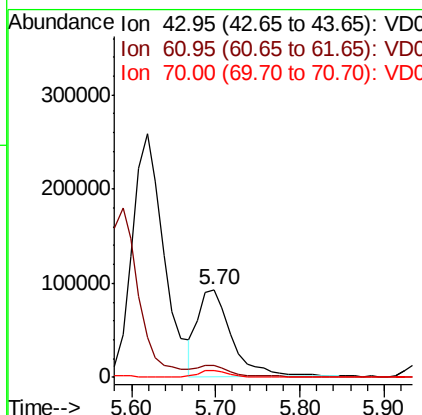
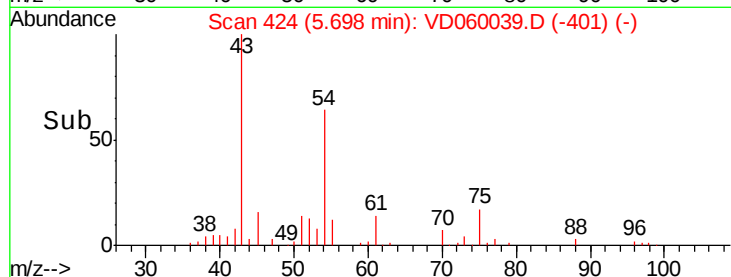
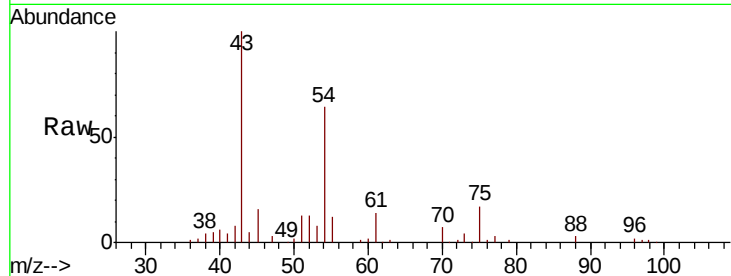
#37
Ethyl Acetate
Concen: 18.129 ug/l
RT: 5.70 min Scan# 424
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.2	15.2
70	7.2	6.1	9.1

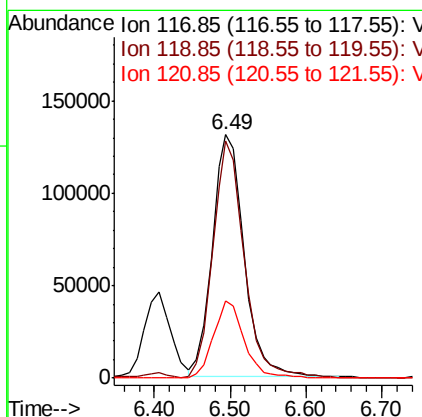
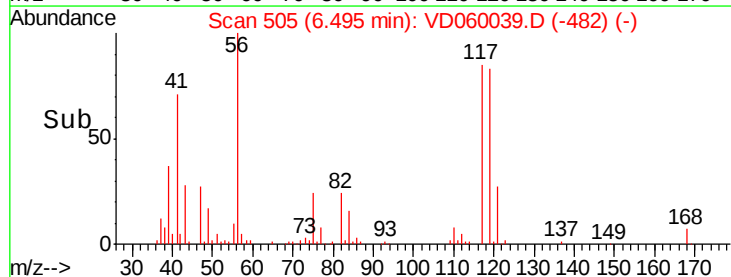
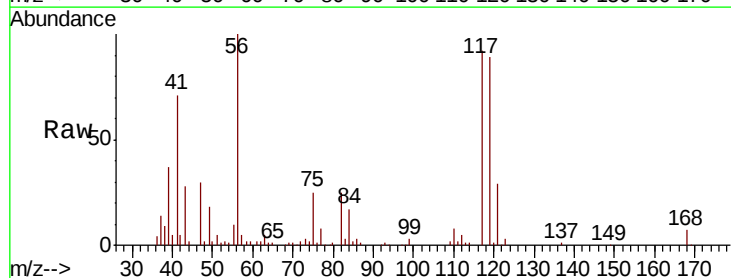
Manual Integrations
APPROVED

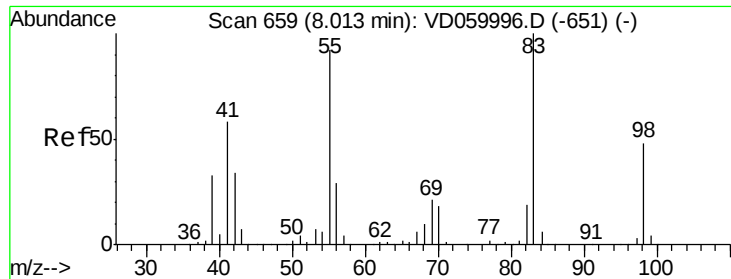
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.020 ug/l
RT: 6.49 min Scan# 505
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.7	115.1
121	31.6	24.9	37.3





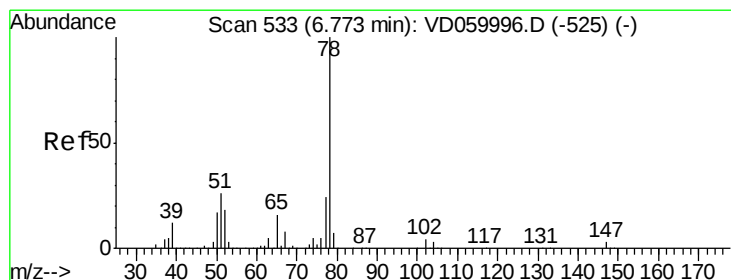
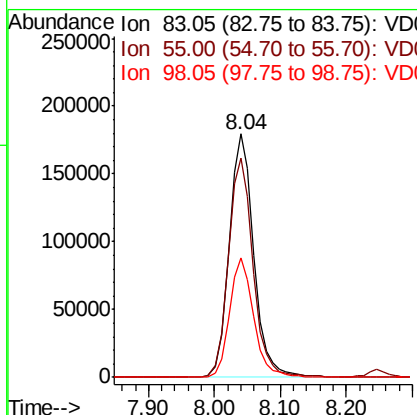
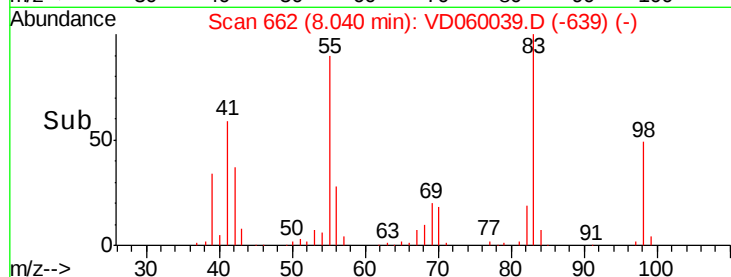
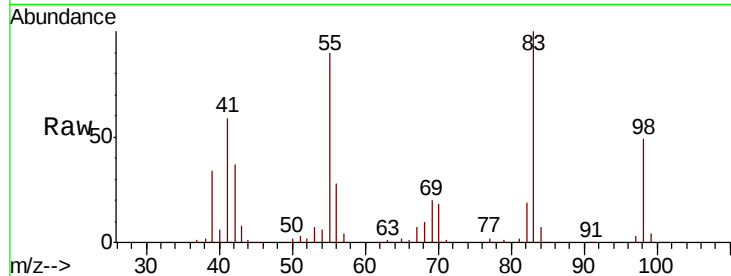
#39
Methylcyclohexane
Concen: 20.216 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	468310		
55	90.3	73.8	110.6	
98	49.1	38.1	57.1	

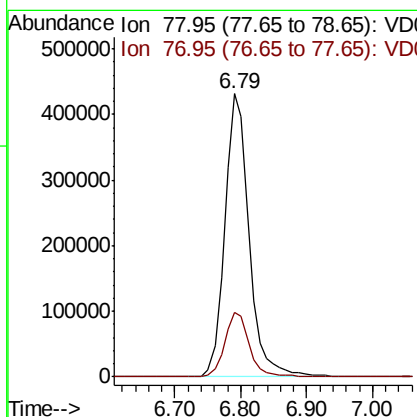
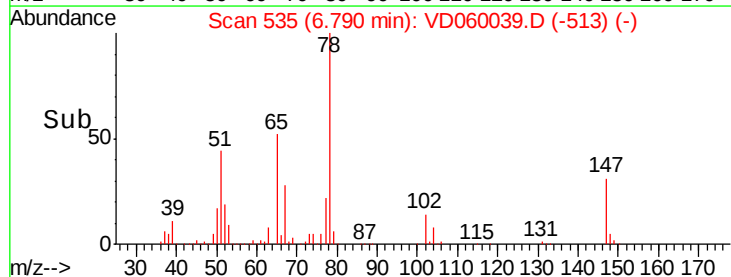
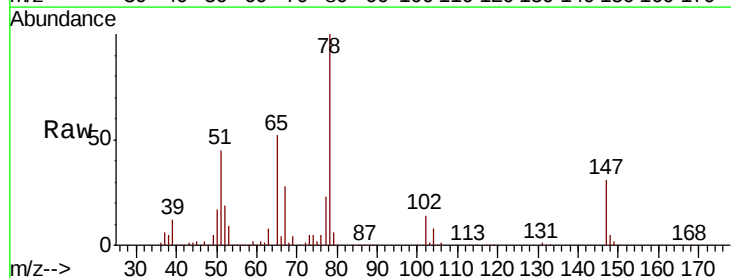
Manual Integrations
APPROVED

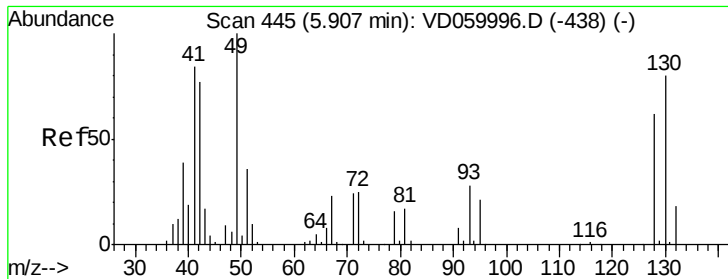
MMDadoda
9/21/2018 5:02:15 PM



#40
Benzene
Concen: 21.258 ug/l
RT: 6.79 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1109530		
77	22.6	19.0	28.4	





#41

Methacrylonitrile

Concen: 20.222 ug/l m

RT: 5.92 min Scan# 447

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0919SBS01

Tot Ion: 41 Resp: 149151
Ion Ratio Lower Upper

41 100

39 50.3 37.5 56.3

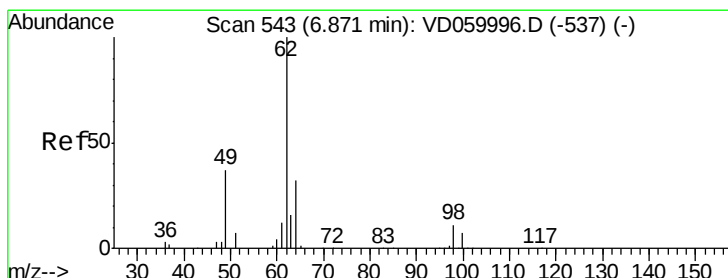
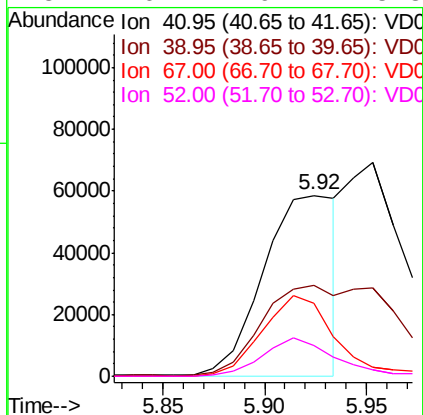
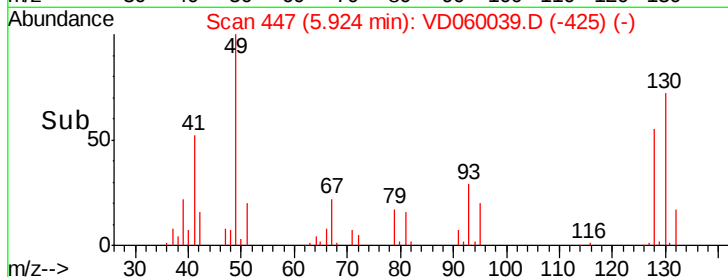
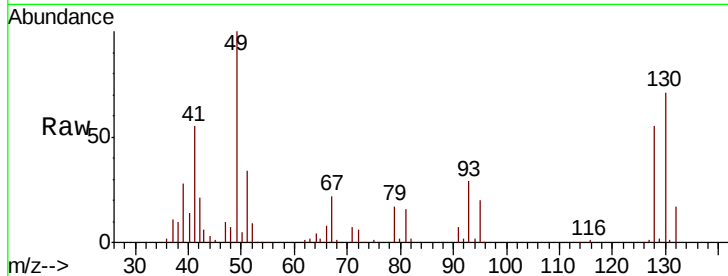
67 40.3 21.5 32.3#

52 16.7 9.2 13.8#

Manual Integrations
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MMDadoda

9/21/2018 5:02:15 PM



#42

1,2-Dichloroethane

Concen: 19.305 ug/l

RT: 6.89 min Scan# 545

Delta R.T. 0.02 min

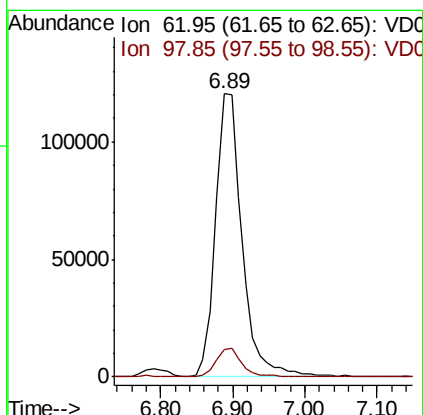
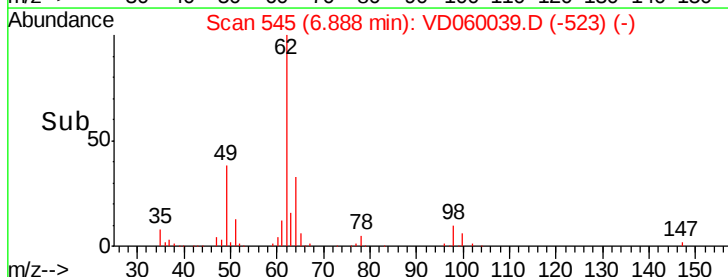
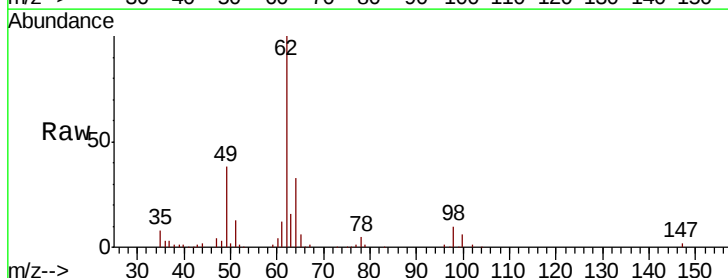
Lab File: VD060039.D

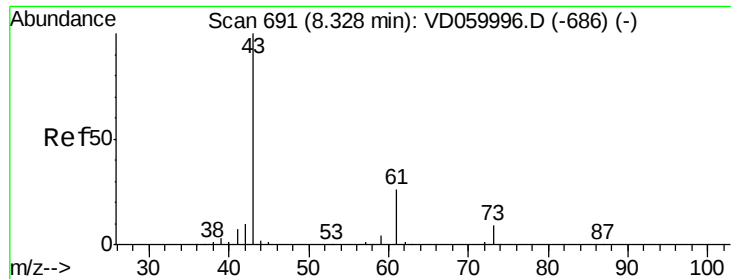
Acq: 19 Sep 2018 12:31

Tgt Ion: 62 Resp: 302551
Ion Ratio Lower Upper

62 100

98 9.8 0.0 21.4





#43

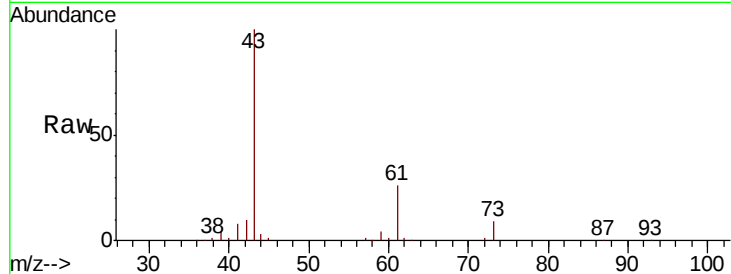
Isopropyl Acetate
 Concen: 17.578 ug/l
 RT: 8.35 min Scan# 694
 Delta R.T. 0.03 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0919SBS01

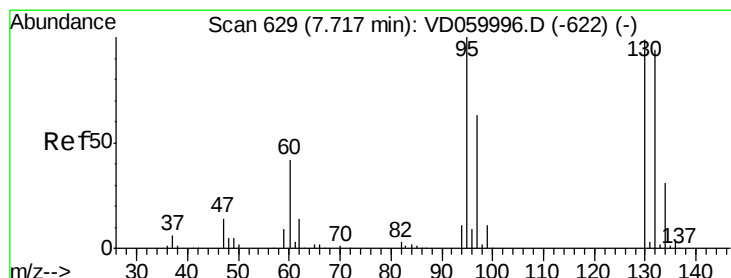
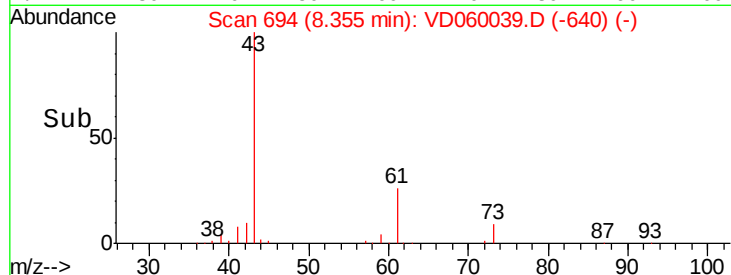
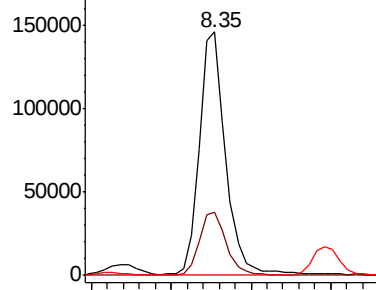
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.2	21.0	31.6
87	0.2	0.2	0.2

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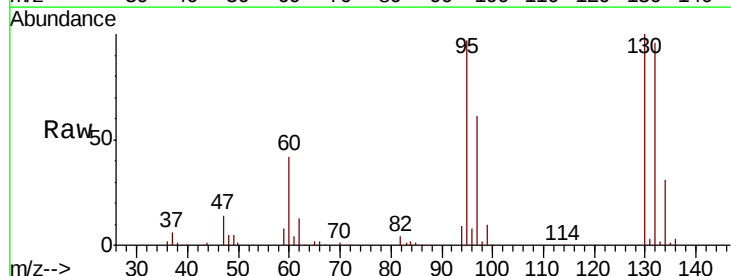
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



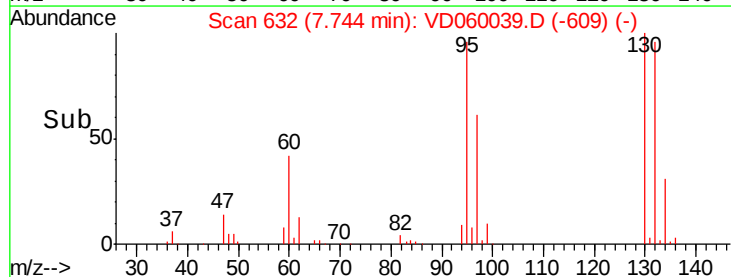
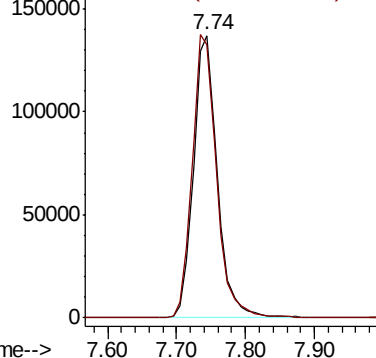
#44

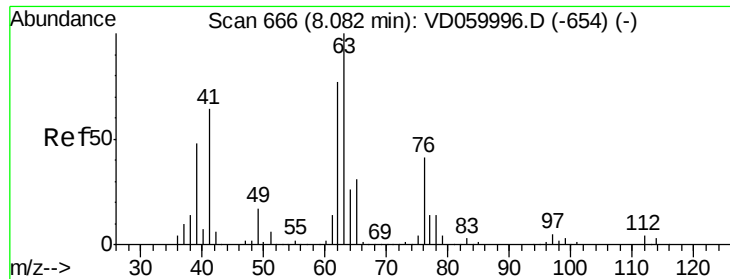
Trichloroethene
 Concen: 20.316 ug/l
 RT: 7.74 min Scan# 632
 Delta R.T. 0.03 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	202.0



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





#45

1,2-Dichloropropane

Concen: 20.477 ug/l

RT: 8.11 min Scan# 669

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0919SBS01

Tot Ion: 63 Resp: 285786

Ion Ratio Lower Upper

63 100

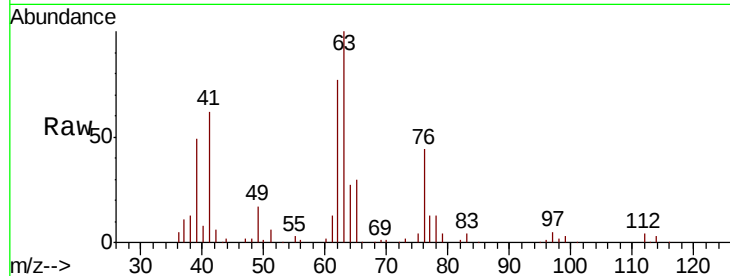
65 30.1 24.6 37.0

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

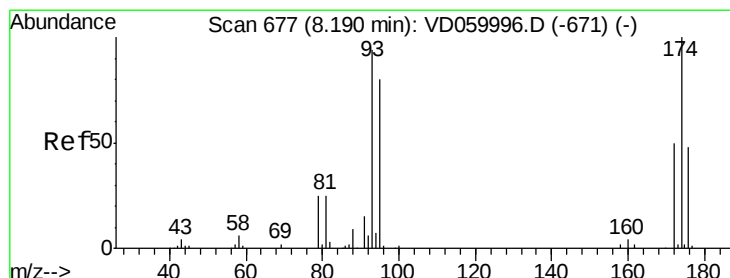
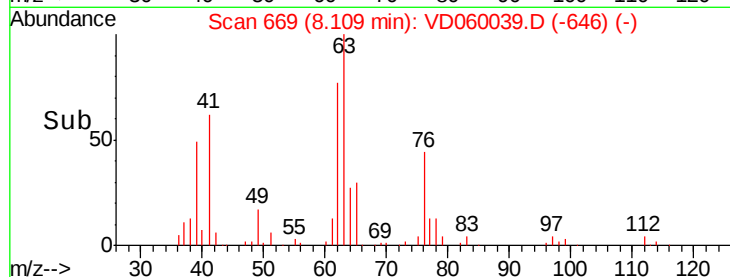
8.11

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 19.415 ug/l

RT: 8.22 min Scan# 680

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

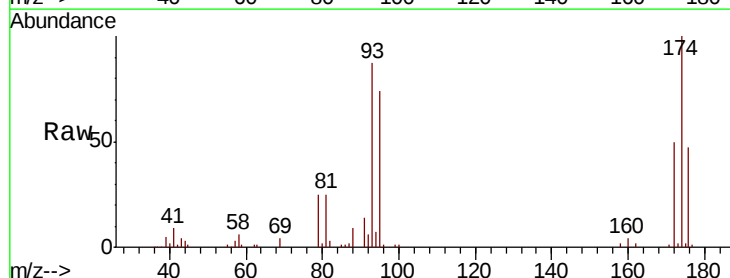
Tgt Ion: 93 Resp: 176802

Ion Ratio Lower Upper

93 100

95 84.9 68.0 102.0

174 115.3 85.4 128.2



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

120000

100000

80000

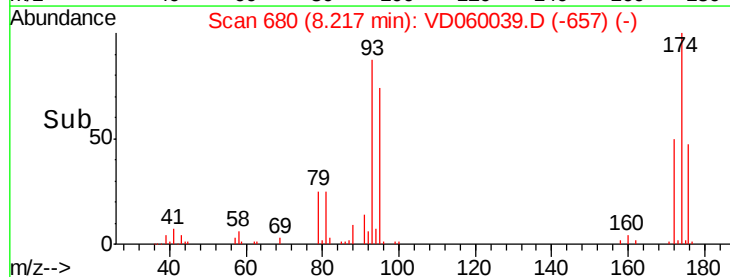
60000

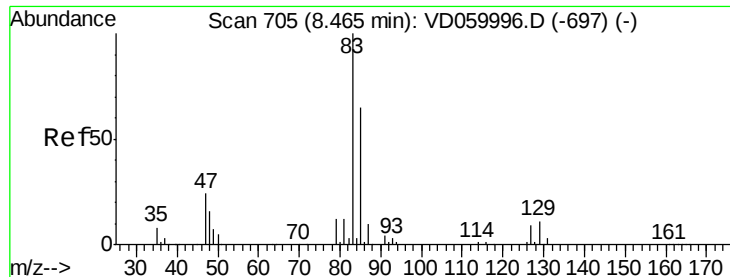
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 20.140 ug/l

RT: 8.49 min Scan# 708

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

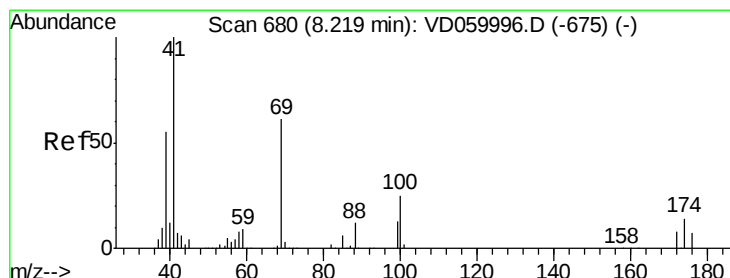
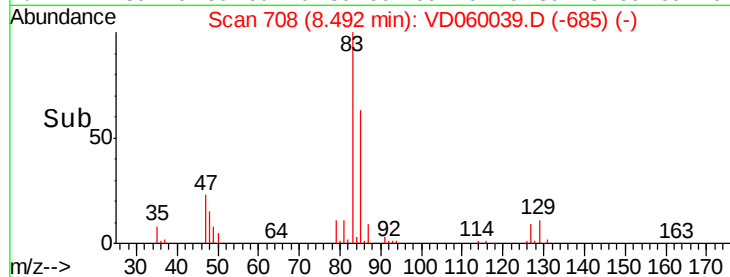
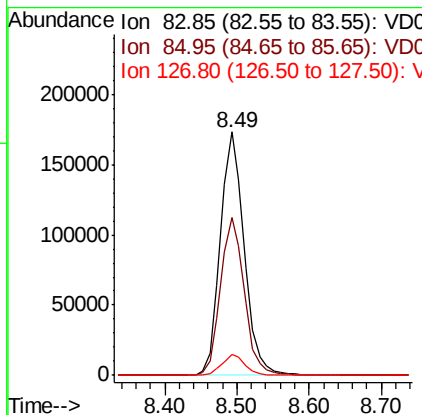
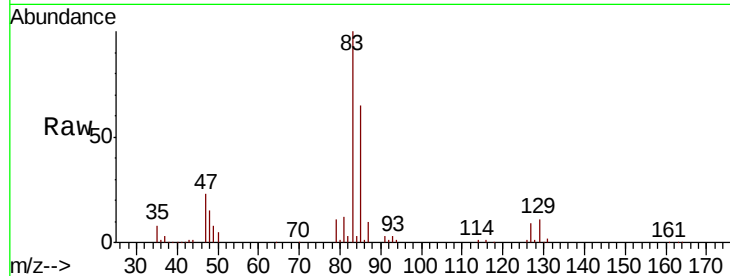
ClientSampleId :

VD0919SBS01

Tot Ion:	83	Resp:	395419
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.9	77.9
127	8.8	6.8	10.2

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#48

Methyl methacrylate

Concen: 18.674 ug/l

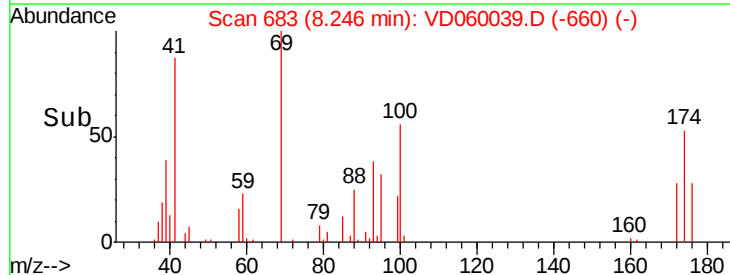
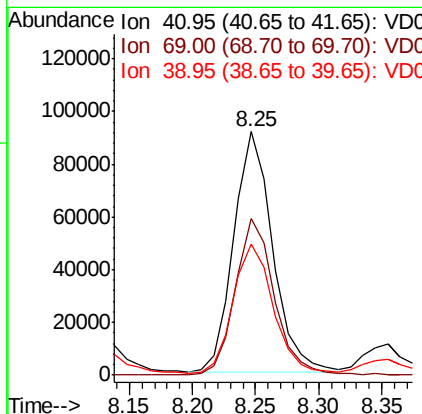
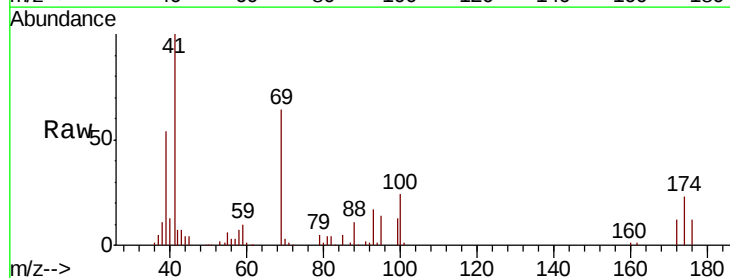
RT: 8.25 min Scan# 683

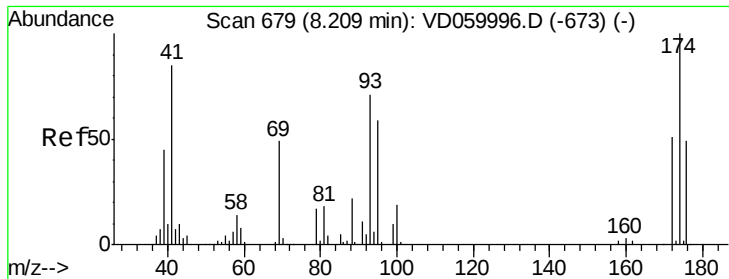
Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Tgt Ion:	41	Resp:	196096
Ion Ratio	Lower	Upper	
41	100		
69	64.2	48.3	72.5
39	53.9	44.1	66.1





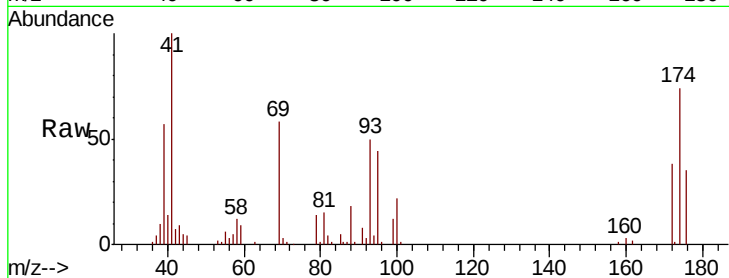
#49
1,4-Dioxane
Concen: 341.473 ug/l
RT: 8.24 min Scan# 682
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBS01

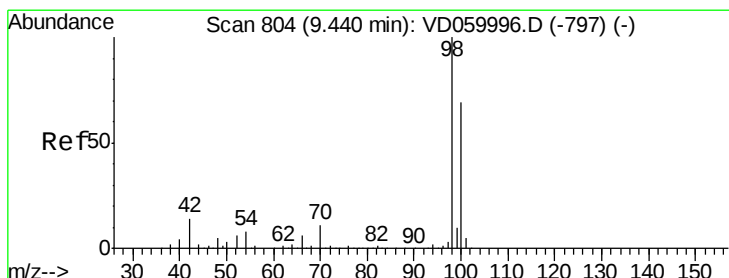
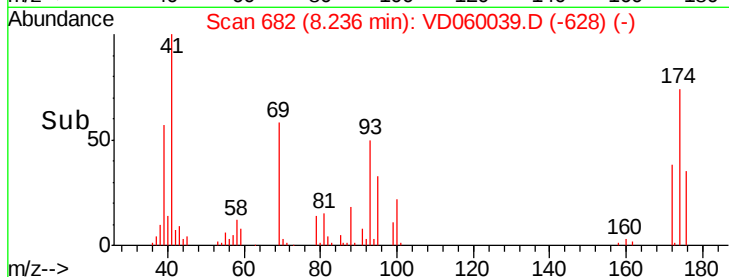
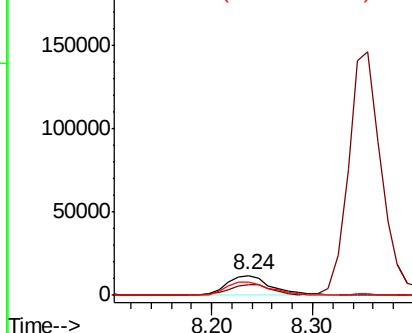
Tot Ion	Ratio	Lower	Upper
88	100		
43	53.8	36.2	54.2
58	68.1	51.0	76.6

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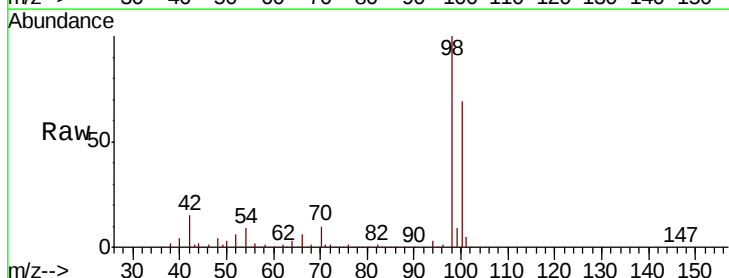


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

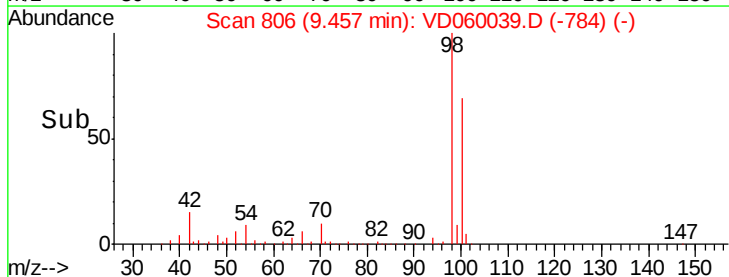
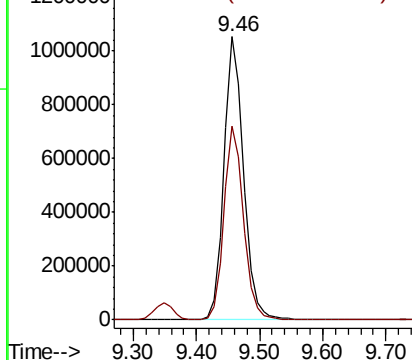


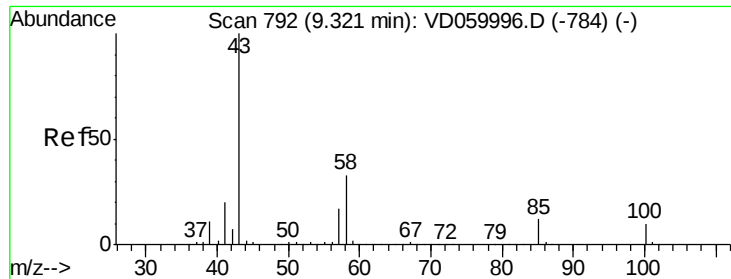
#50
Toluene-d8
Concen: 341.473 ug/l
RT: 9.46 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.6	55.8	83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 98.685 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0919SBS01

Tot Ion: 43 Resp: 1375292

Ion Ratio Lower Upper

43 100

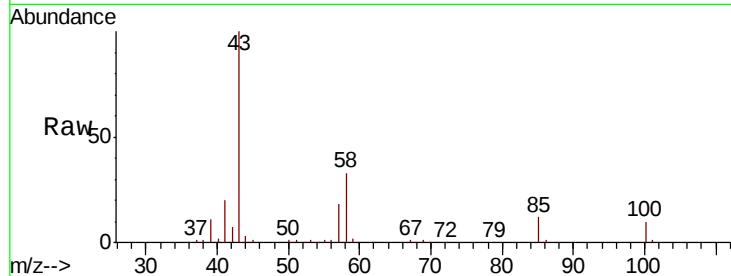
58 33.1 26.4 39.6

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.35

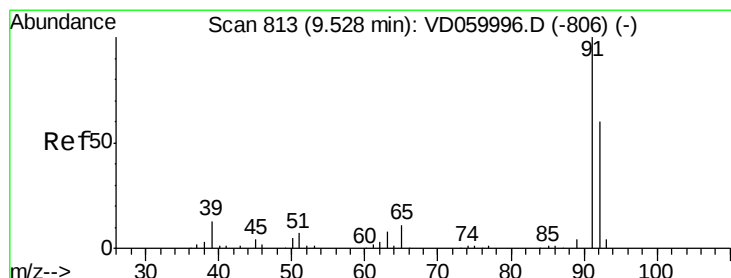
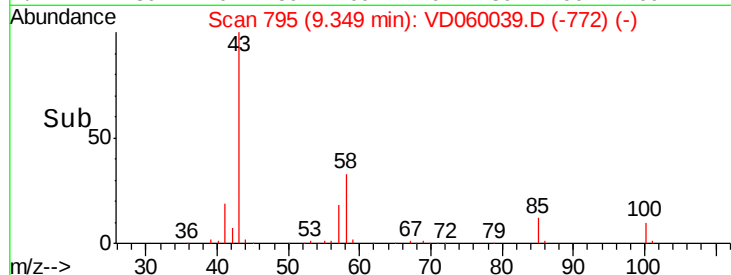
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 20.766 ug/l

RT: 9.56 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060039.D

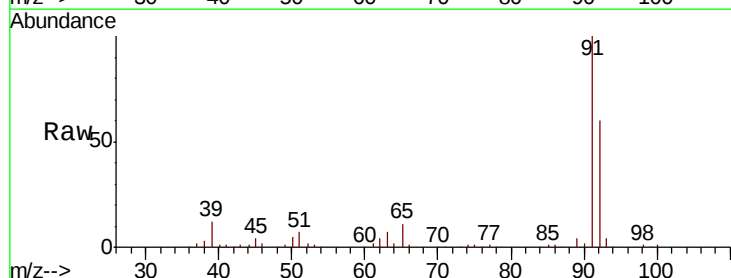
Acq: 19 Sep 2018 12:31

Tgt Ion: 92 Resp: 694727

Ion Ratio Lower Upper

92 100

91 165.6 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.56

600000

500000

400000

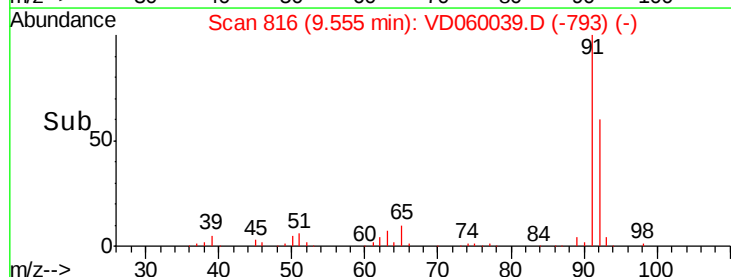
300000

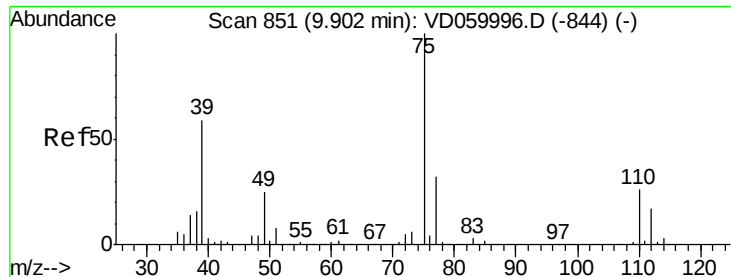
200000

100000

0

Time-->





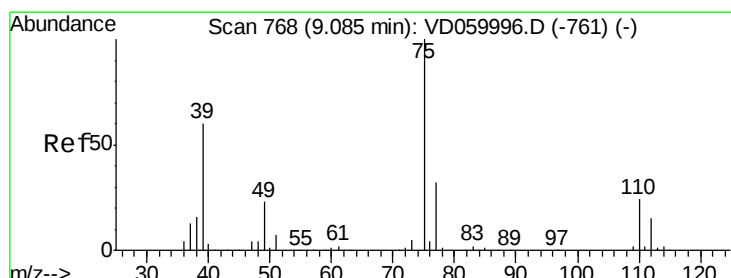
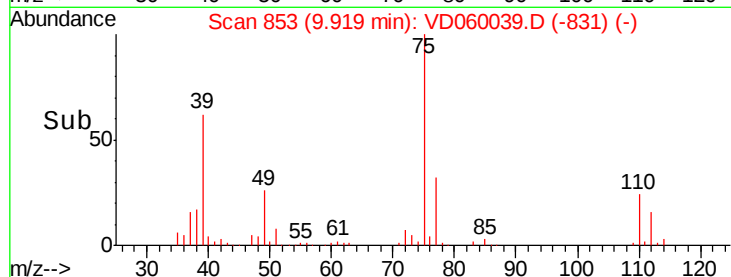
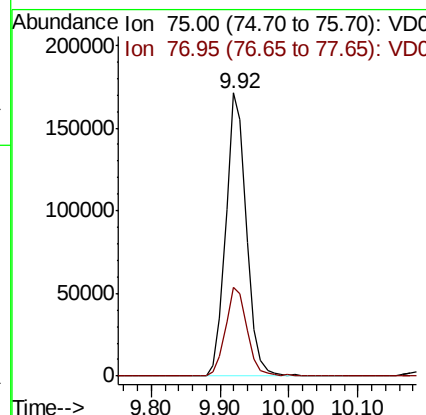
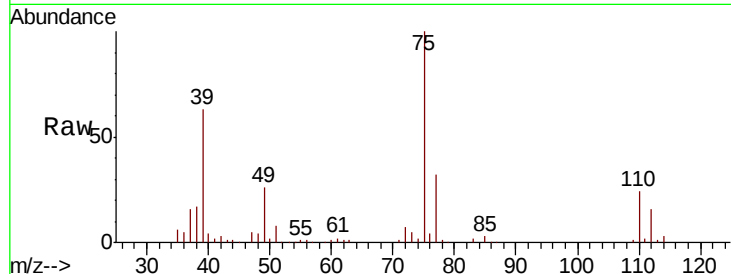
#53
t-1,3-Dichloropropene
Concen: 19.247 ug/l
RT: 9.92 min Scan# 853
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBS01

Tot Ion: 75 Resp: 352442
Ion Ratio Lower Upper
75 100
77 31.6 25.6 38.4

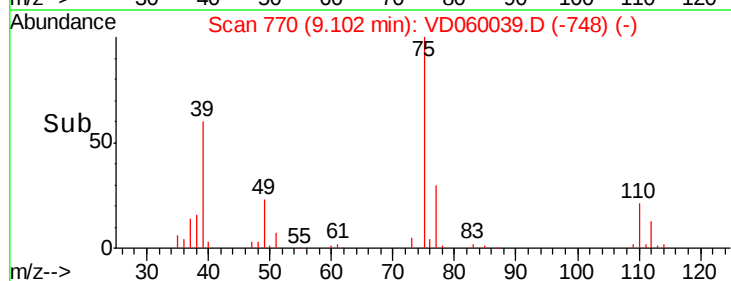
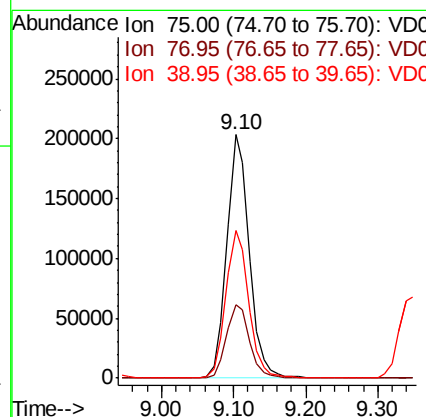
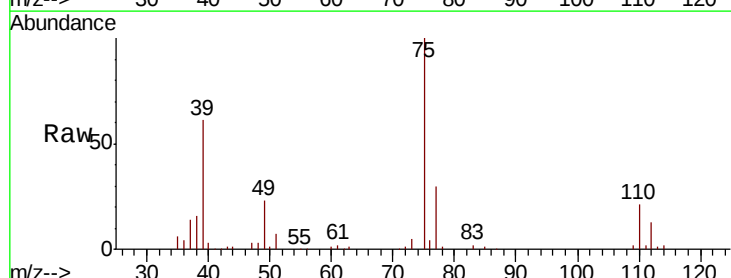
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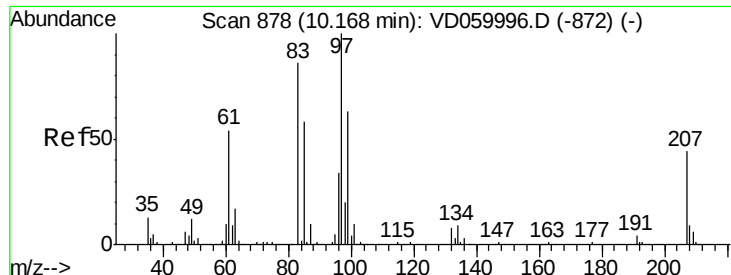
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#54
cis-1,3-Dichloropropene
Concen: 19.948 ug/l
RT: 9.10 min Scan# 770
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion: 75 Resp: 436434
Ion Ratio Lower Upper
75 100
77 30.3 25.5 38.3
39 60.7 48.0 72.0





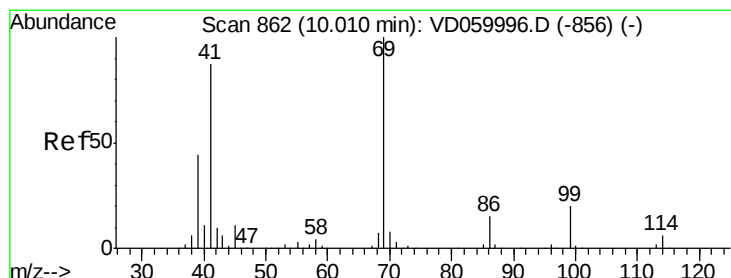
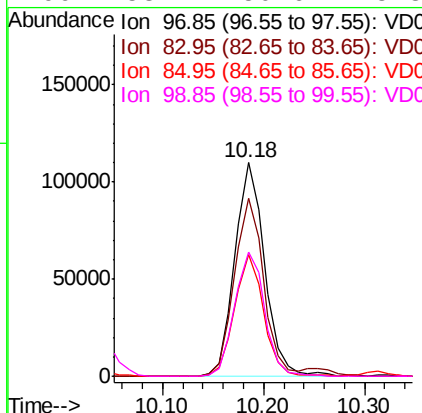
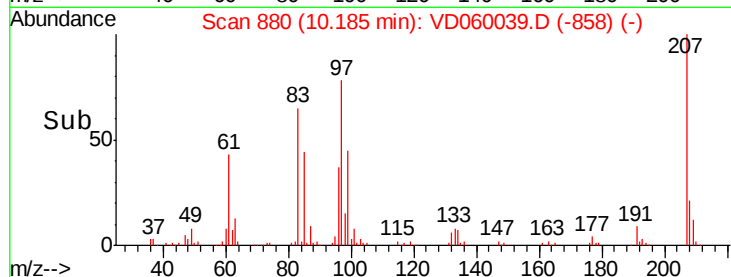
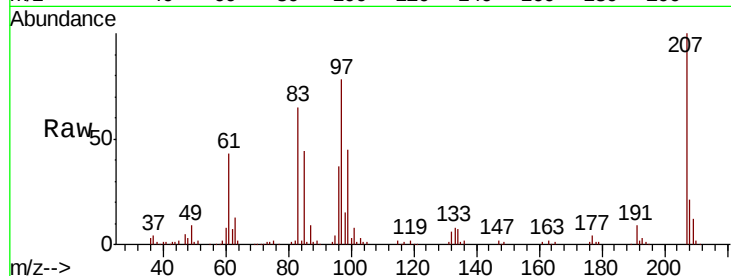
#55
 1,1,2-Trichloroethane
 Concen: 19.447 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. 0.02 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0919SBS01

Tot Ion	97	Resp	225898
Ion Ratio	Lower	Upper	
97	100		
83	83.2	69.1	103.7
85	57.1	46.2	69.4
99	58.2	50.6	75.8

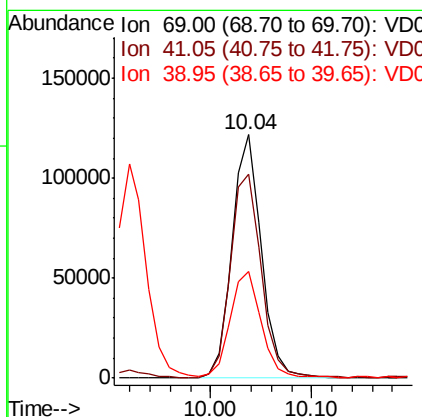
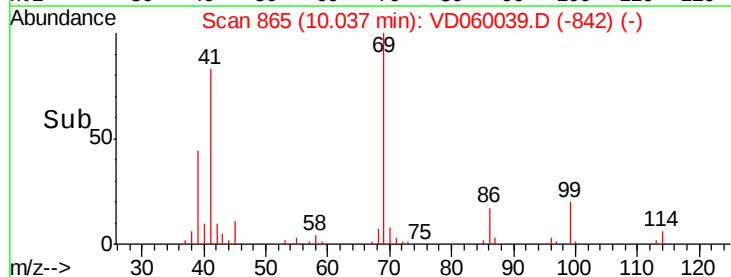
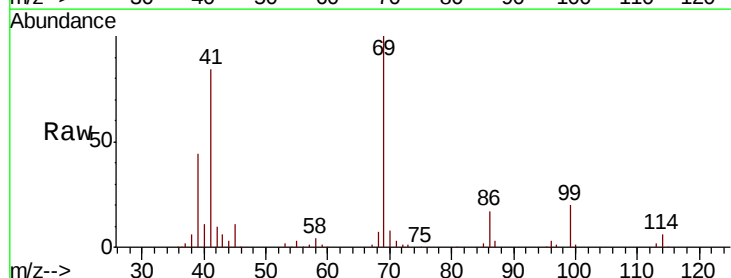
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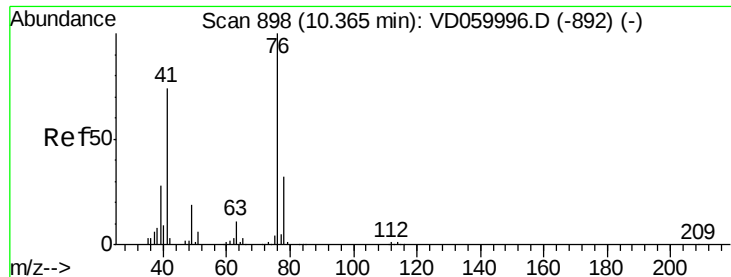
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#56
 Ethyl methacrylate
 Concen: 19.001 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. 0.03 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion	69	Resp	244809
Ion Ratio	Lower	Upper	
69	100		
41	83.6	70.1	105.1
39	44.0	36.5	54.7





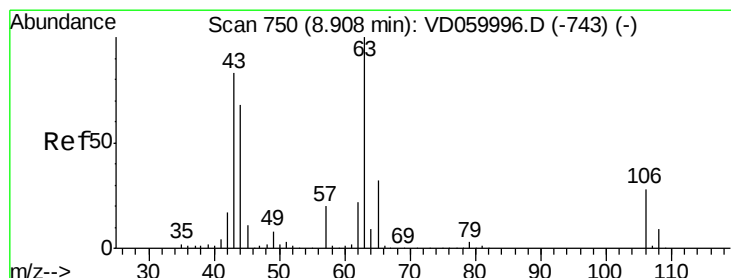
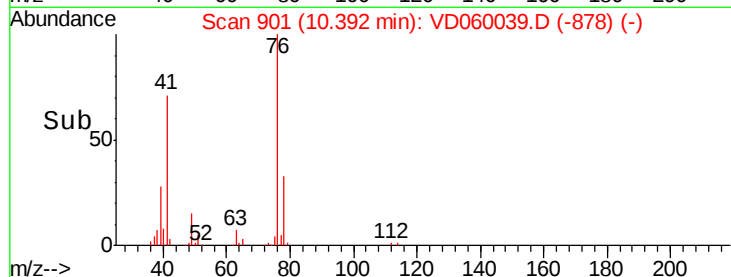
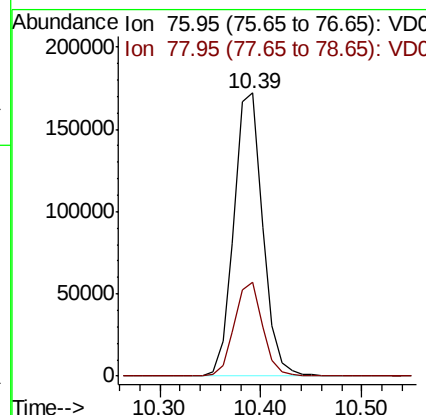
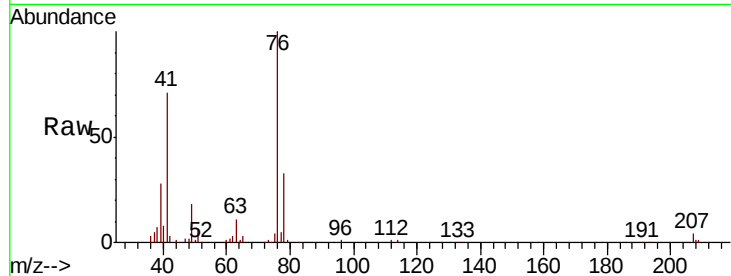
#57
 1,3-Dichloropropane
 Concen: 19.935 ug/l
 RT: 10.39 min Scan# 901
 Delta R.T. 0.03 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0919SBS01

Tot Ion: 76 Resp: 341817
 Ion Ratio Lower Upper
 76 100
 78 33.3 25.3 37.9

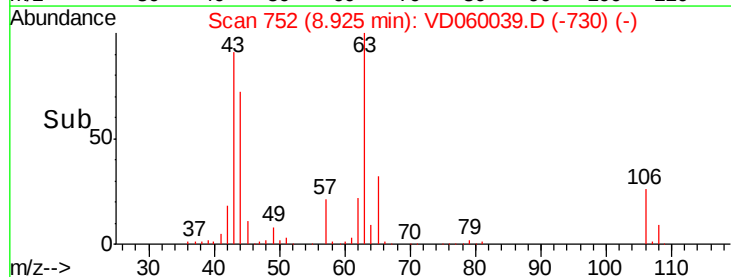
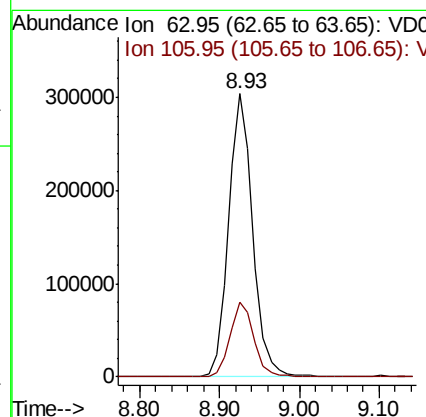
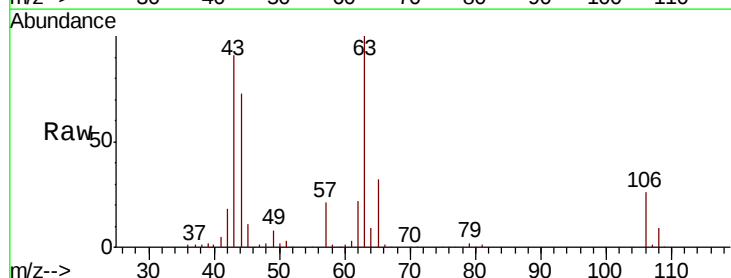
Manual Integrations
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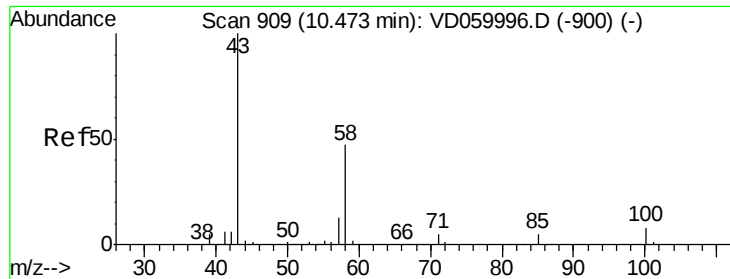
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 9/21/2018 5:02:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.833 ug/l
 RT: 8.93 min Scan# 752
 Delta R.T. 0.02 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion: 63 Resp: 646009
 Ion Ratio Lower Upper
 63 100
 106 26.2 22.0 33.0





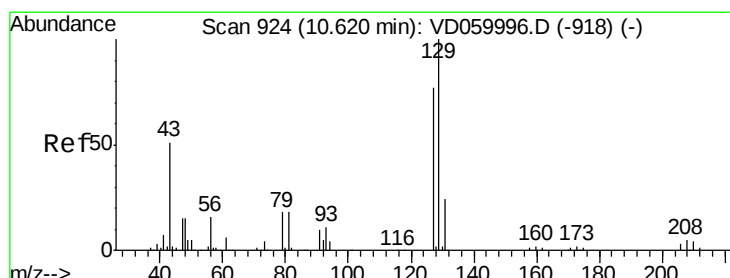
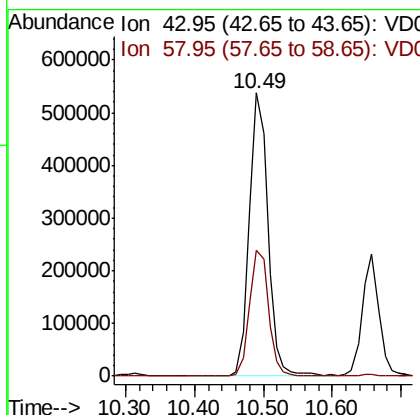
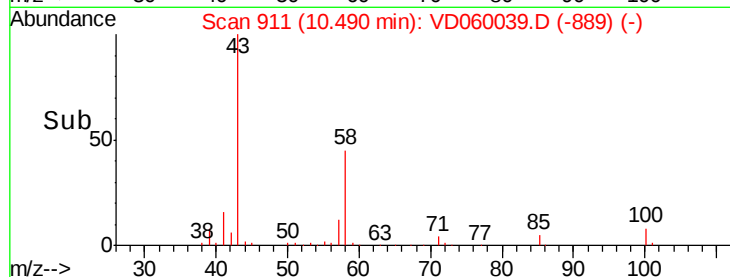
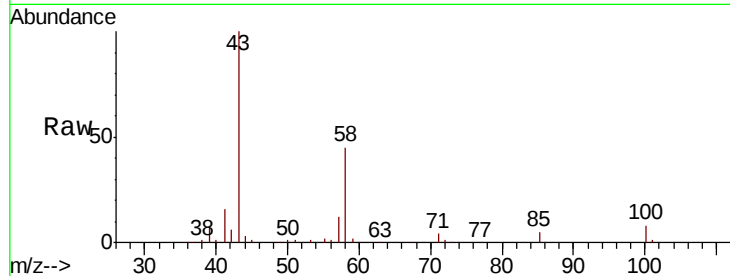
#59
2-Hexanone
Concen: 101.486 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBS01

Tot Ion: 43 Resp: 1016638
Ion Ratio Lower Upper
43 100
58 44.7 23.4 70.0

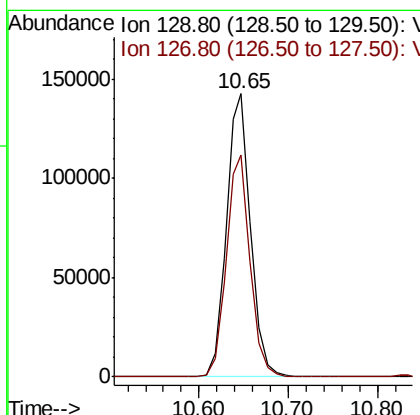
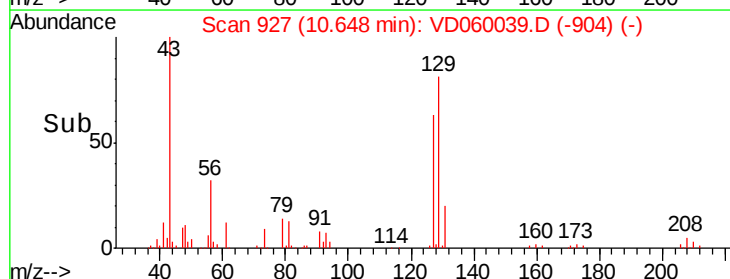
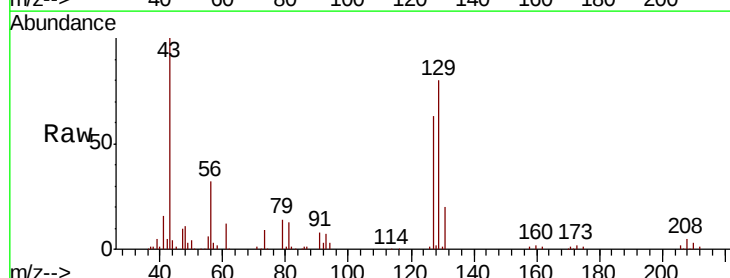
Manual Integrations
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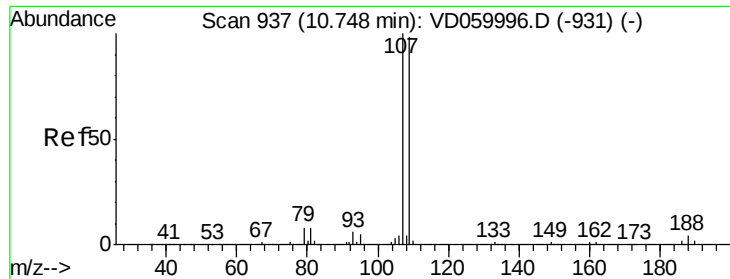
MMDadoda
9/21/2018 5:02:15 PM



#60
Dibromochloromethane
Concen: 19.163 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion: 129 Resp: 270938
Ion Ratio Lower Upper
129 100
127 78.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 18.893 ug/l

RT: 10.77 min Scan# 939

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0919SBS01

Tot Ion:107 Resp: 226581

Ion Ratio Lower Upper

107 100

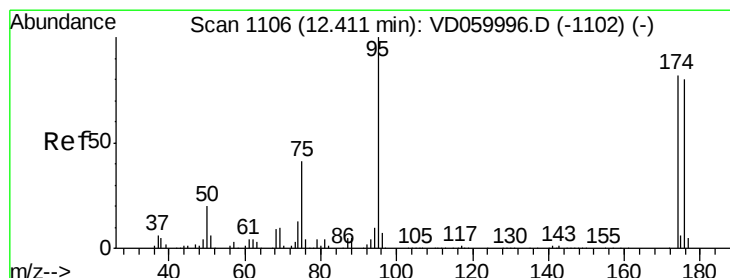
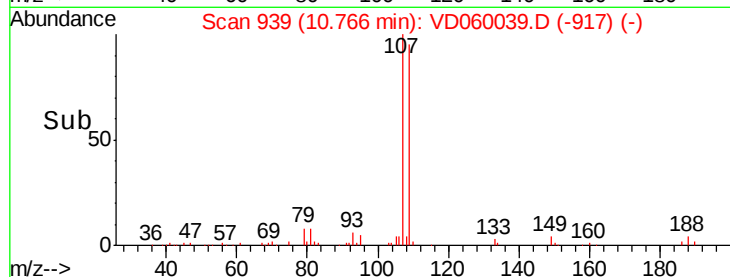
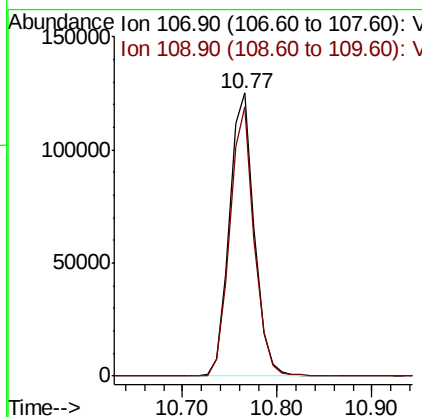
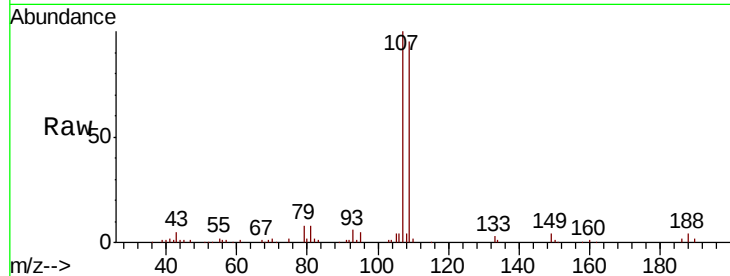
109 95.1 78.2 117.2

Manual Integrations

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9/21/2018 5:02:15 PM



#62

4-Bromofluorobenzene

Concen: 18.893 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

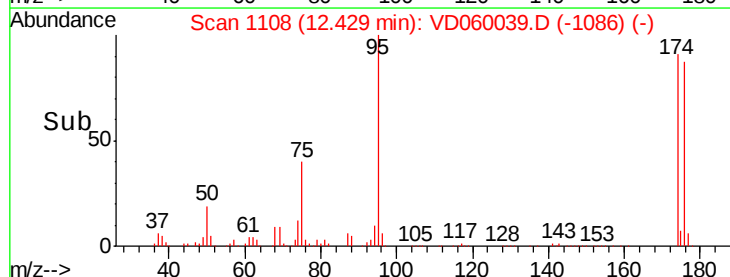
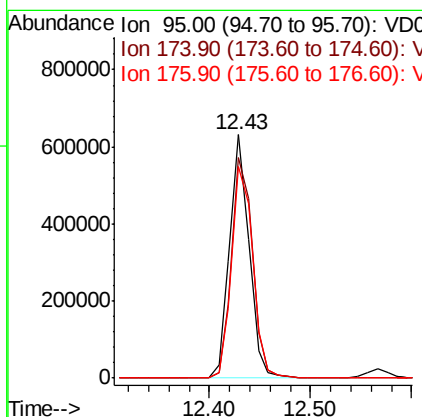
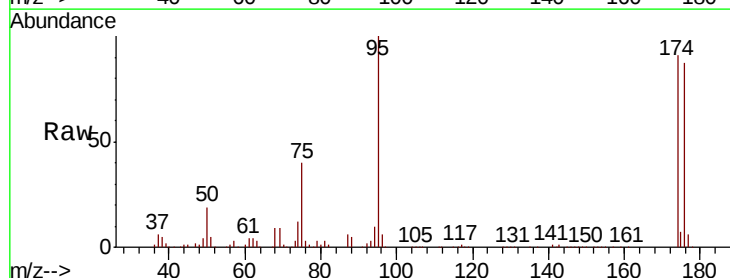
Tgt Ion: 95 Resp: 845483

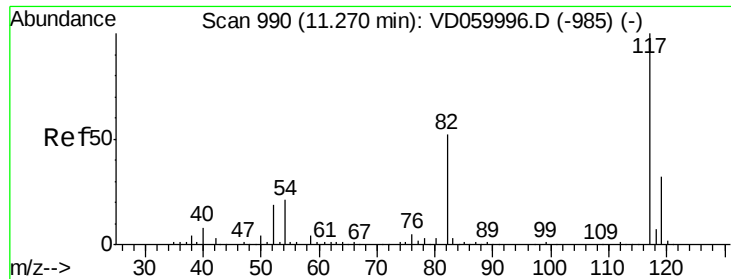
Ion Ratio Lower Upper

95 100

174 90.6 0.0 165.0

176 86.8 0.0 160.2





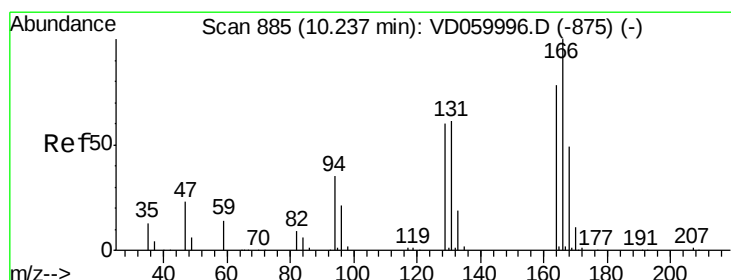
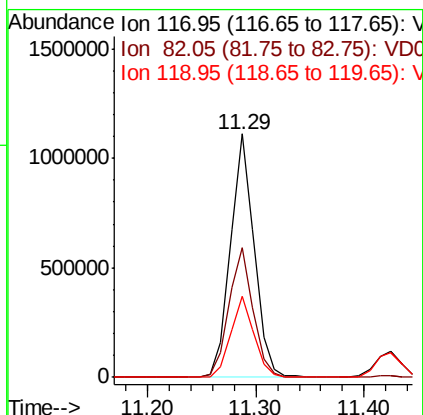
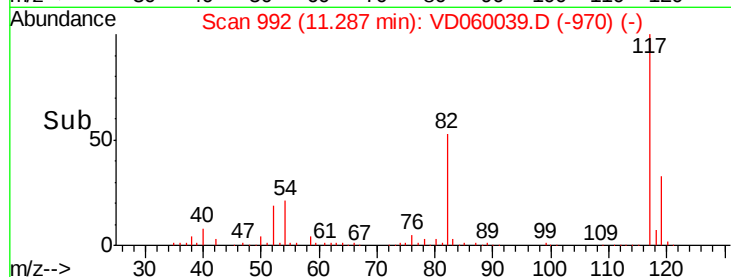
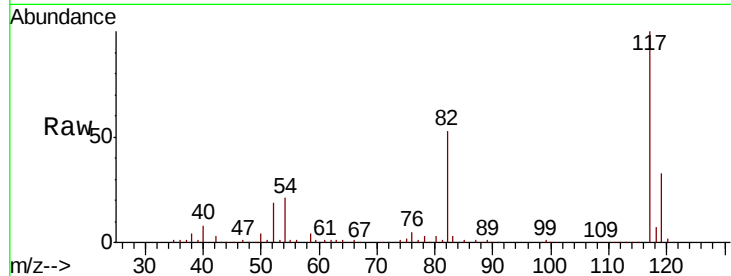
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBS01

Tot Ion:117 Resp: 1697695
Ion Ratio Lower Upper
117 100
82 53.3 41.7 62.5
119 33.3 26.0 39.0

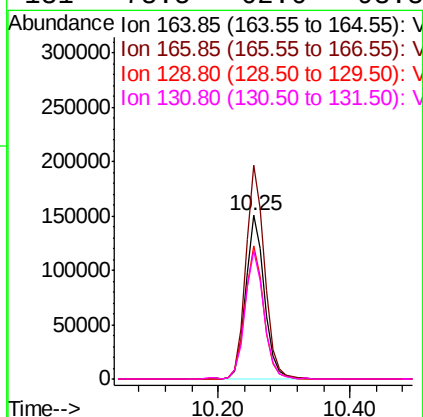
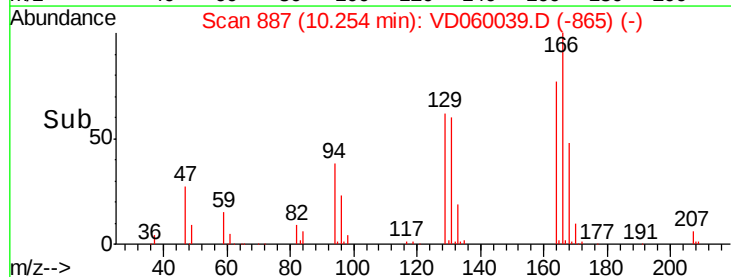
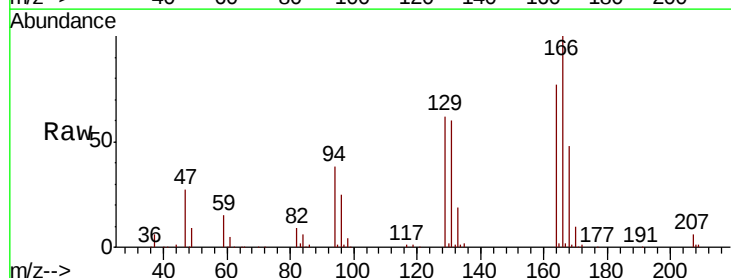
Manual Integrations
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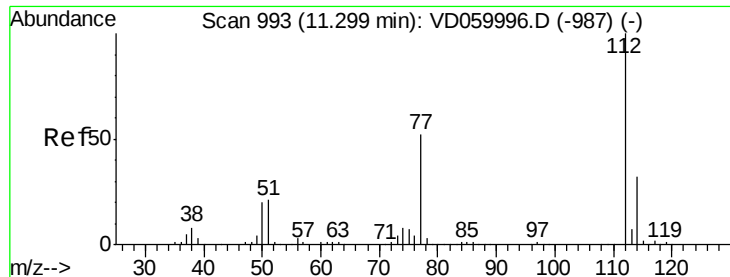
MMDadoda
9/21/2018 5:02:15 PM



#64
Tetrachloroethene
Concen: 20.089 ug/l
RT: 10.25 min Scan# 887
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion:164 Resp: 300907
Ion Ratio Lower Upper
164 100
166 130.6 103.0 154.6
129 81.6 61.9 92.9
131 78.5 62.6 93.8





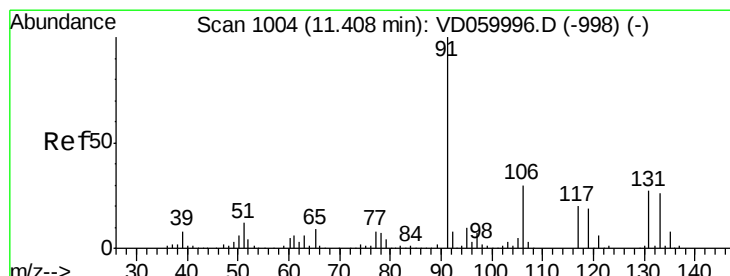
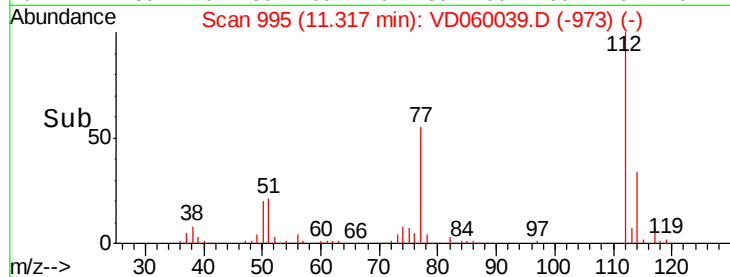
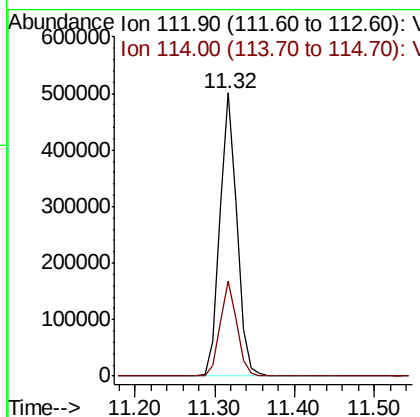
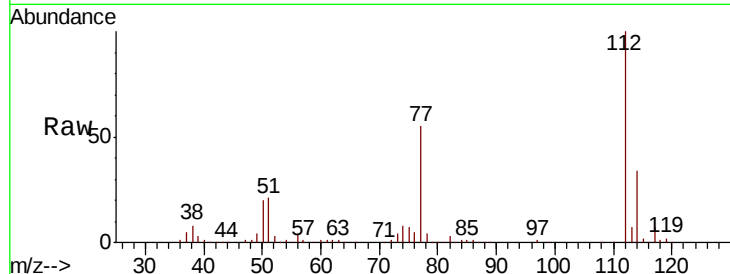
#65
Chlorobenzene
Concen: 20.820 ug/l
RT: 11.32 min Scan# 995
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBS01

Tot Ion:112 Resp: 759920
Ion Ratio Lower Upper
112 100
114 33.6 25.3 37.9

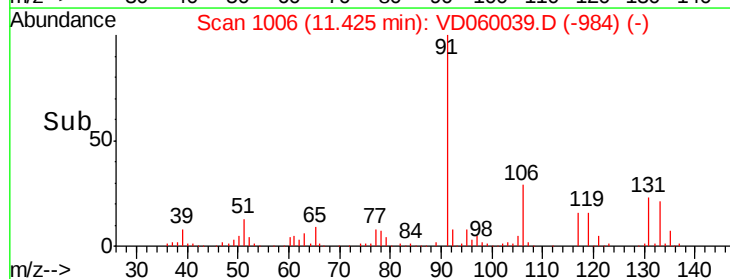
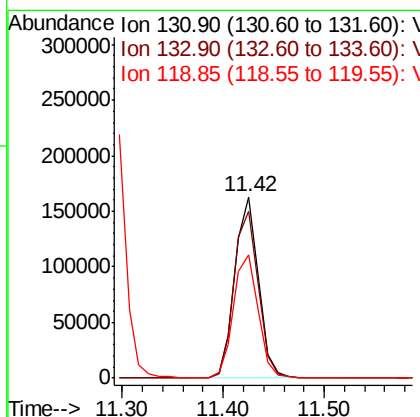
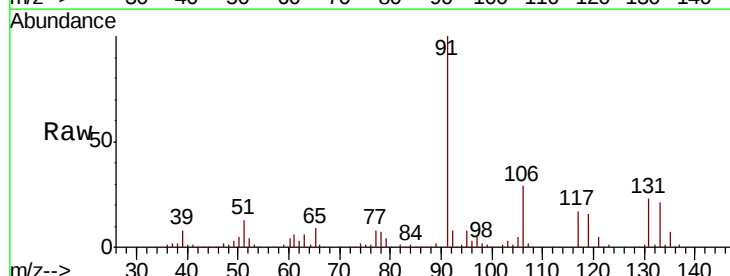
Manual Integrations
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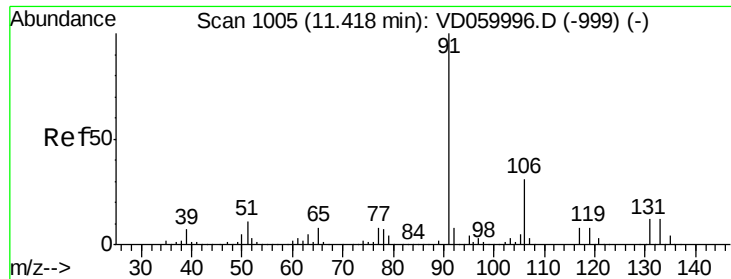
MMDadoda
9/21/2018 5:02:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.535 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion:131 Resp: 265109
Ion Ratio Lower Upper
131 100
133 92.2 47.4 142.3
119 68.3 35.6 106.9





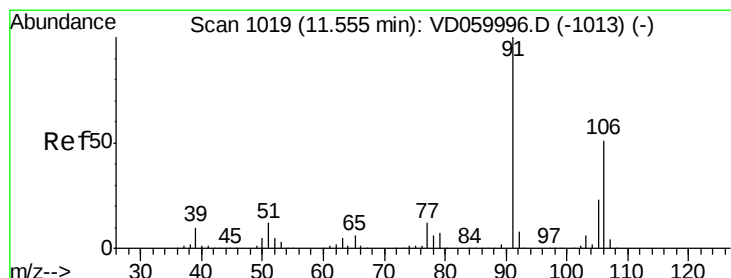
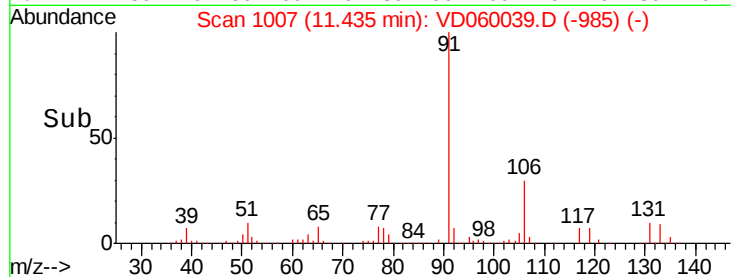
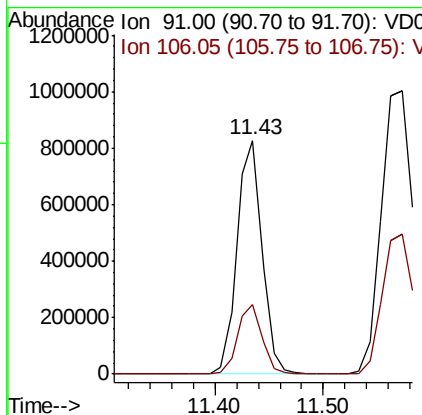
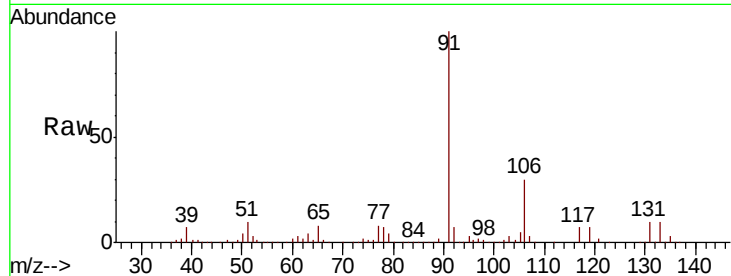
#67
Ethyl Benzene
Concen: 22.626 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBS01

Tot Ion: 91 Resp: 1329031
Ion Ratio Lower Upper
91 100
106 30.1 24.8 37.2

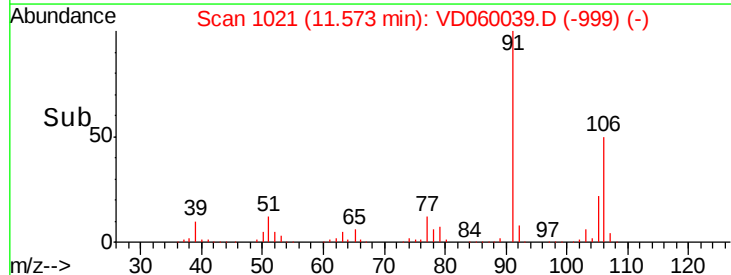
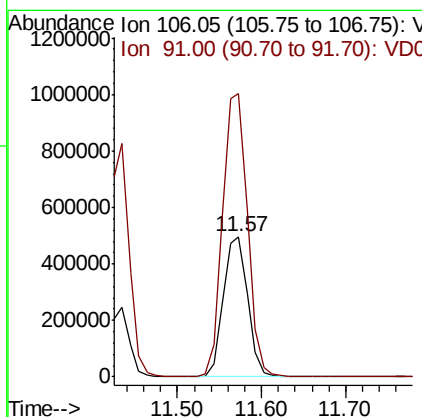
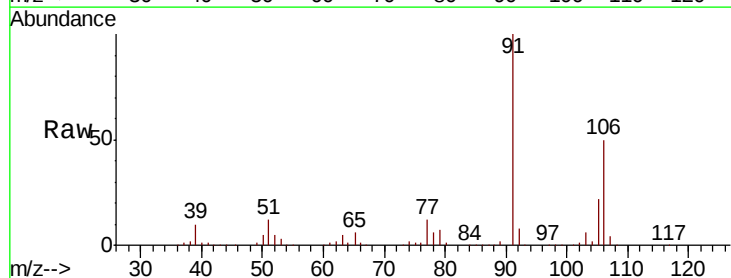
Manual Integrations
APPROVED

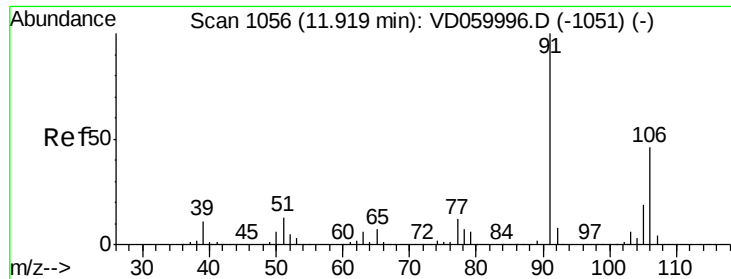
MMDadoda
9/21/2018 5:02:15 PM



#68
m/p-Xylenes
Concen: 45.722 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion: 106 Resp: 991869
Ion Ratio Lower Upper
106 100
91 201.5 157.0 235.6





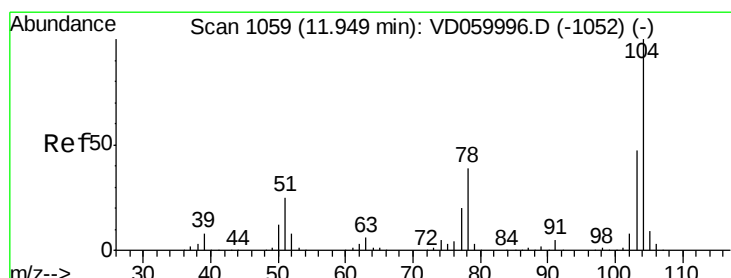
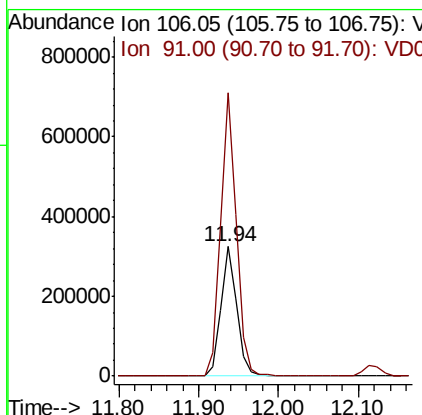
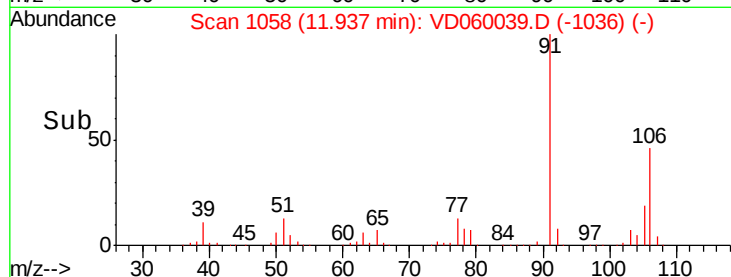
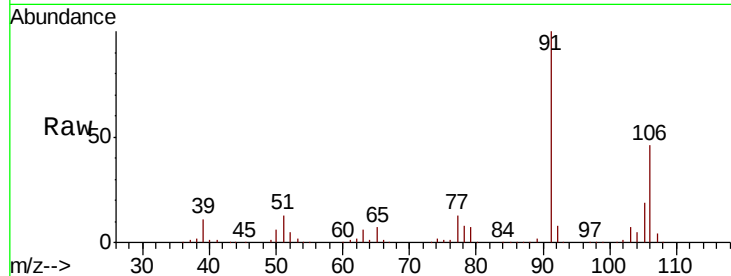
#69
o-Xylene
Concen: 21.359 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBS01

Tot Ion:106 Resp: 459115
Ion Ratio Lower Upper
106 100
91 218.3 107.7 323.1

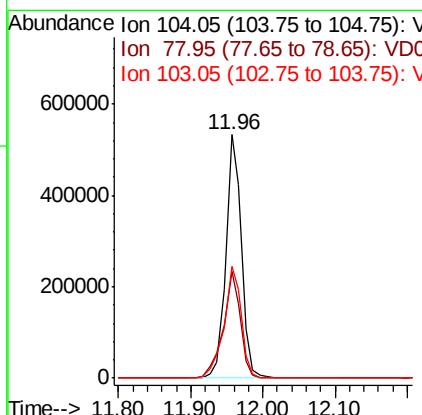
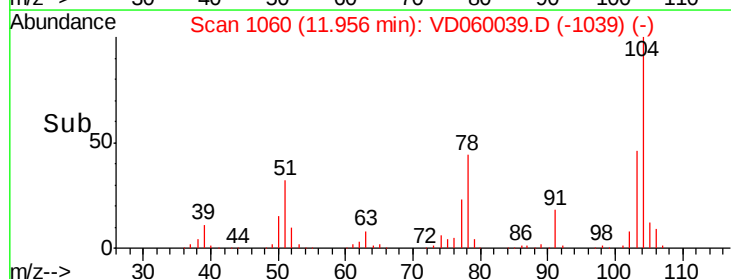
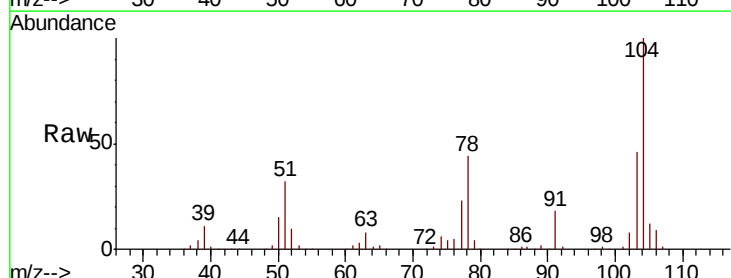
Manual Integrations
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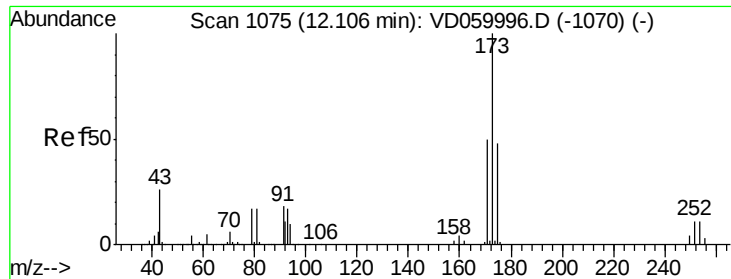
MMDadoda
9/21/2018 5:02:15 PM



#70
Styrene
Concen: 21.800 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion:104 Resp: 787879
Ion Ratio Lower Upper
104 100
78 43.6 31.0 46.4
103 46.2 37.6 56.4





#71

Bromoform

Concen: 18.260 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

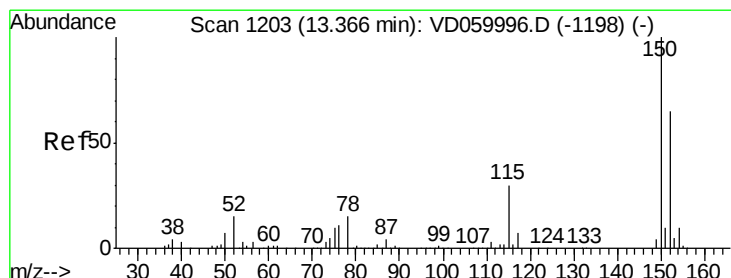
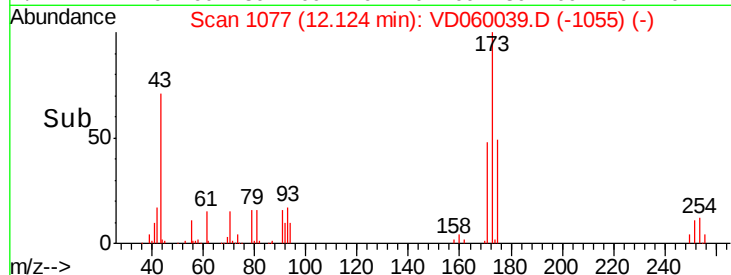
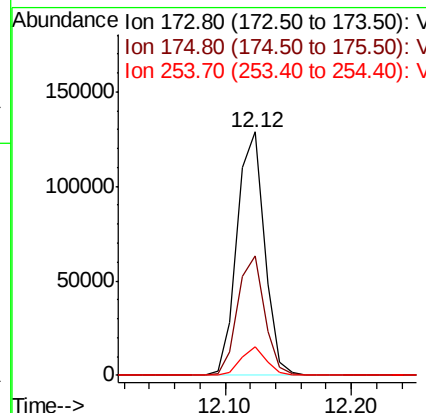
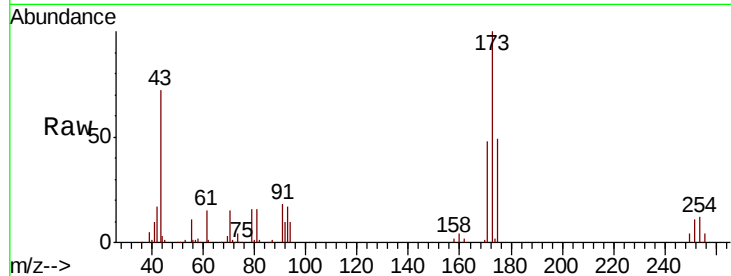
ClientSampleId :

VD0919SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.0	72.0
254	11.7	8.6	13.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

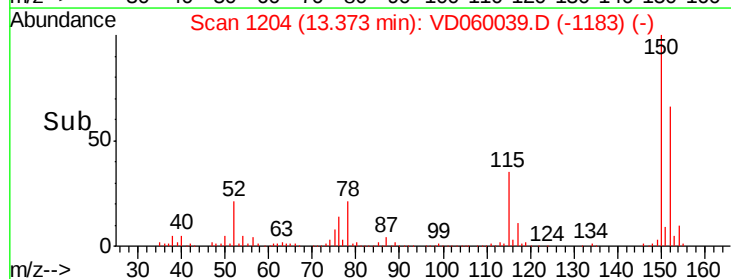
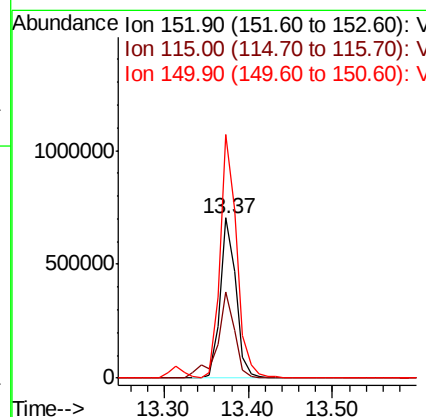
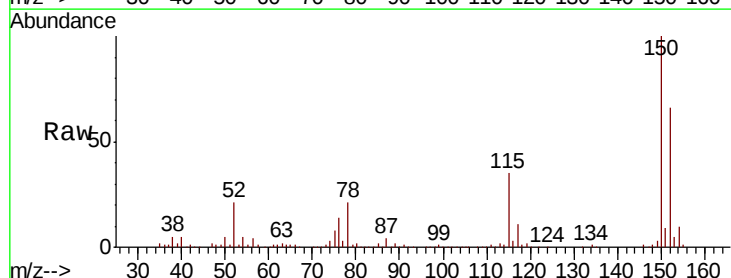
RT: 13.37 min Scan# 1204

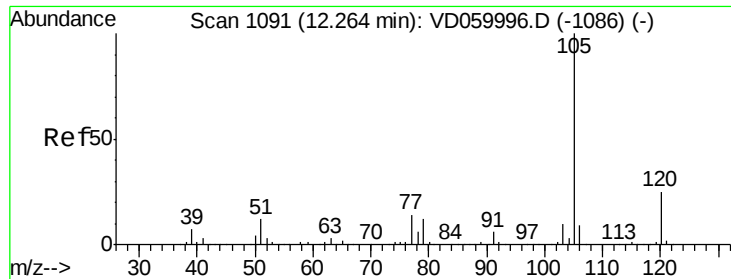
Delta R.T. 0.01 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	24.6	73.8
150	152.3	0.0	313.4





#73

Isopropylbenzene

Concen: 20.605 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0919SBS01

Tot Ion: 105 Resp: 1233252

Ion Ratio Lower Upper

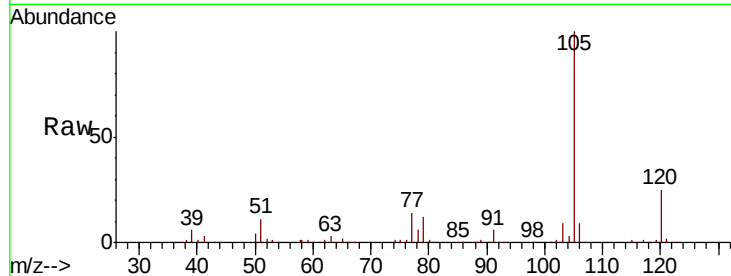
105 100

120 24.9 12.3 36.9

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

Ion 120.05 (119.75 to 120.75): V

1000000

800000

600000

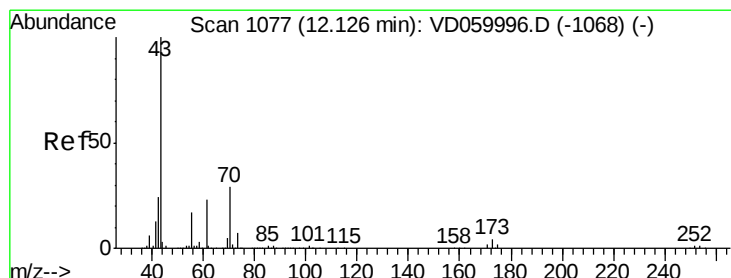
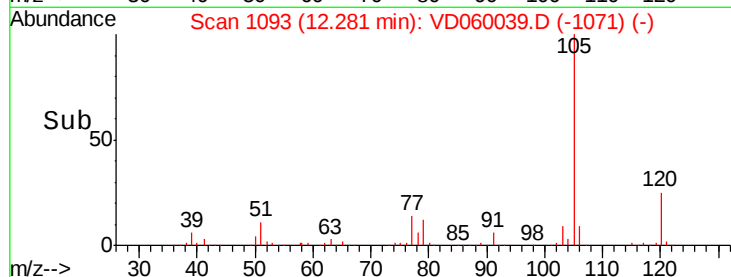
400000

200000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 18.804 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Tgt Ion: 43 Resp: 445795

Ion Ratio Lower Upper

43 100

70 25.8 22.9 34.3

55 16.7 14.0 21.0

61 22.9 18.7 28.1

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

500000

400000

300000

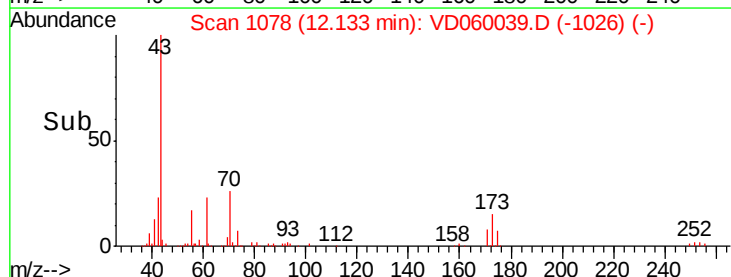
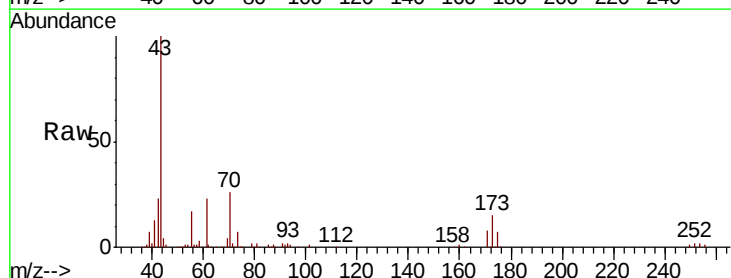
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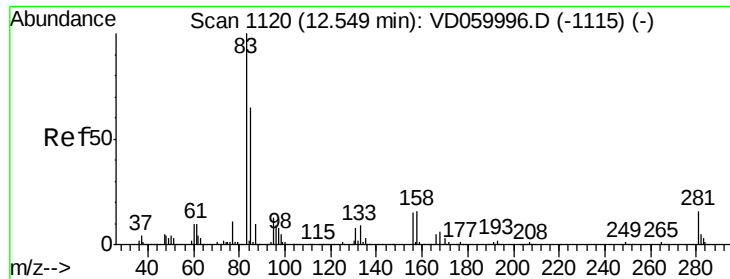
100000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.491 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

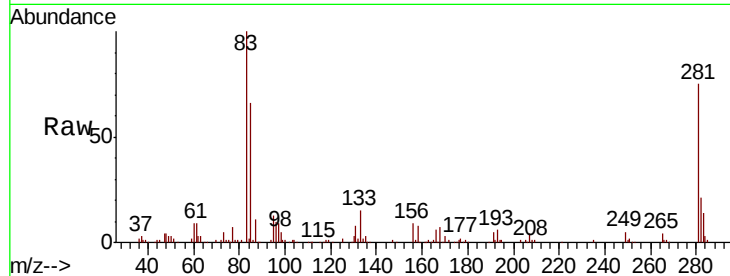
ClientSampleId :

VD0919SBS01

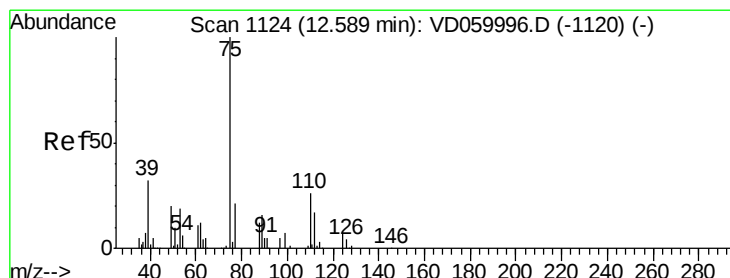
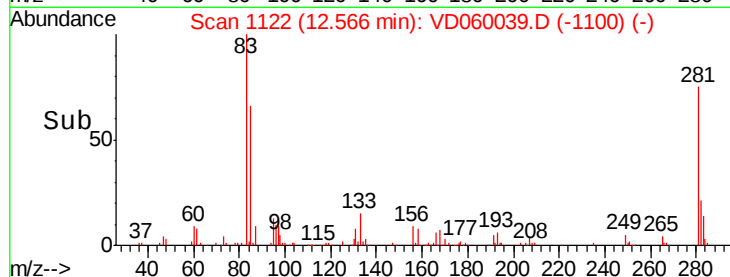
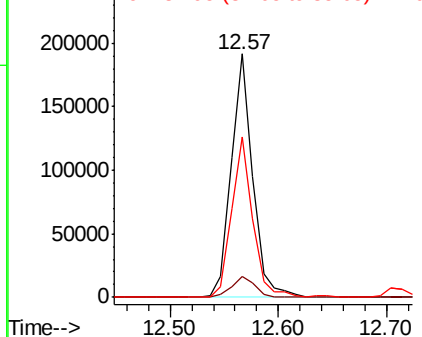
Tot Ion:	83	Resp:	264641
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.1	12.3
85	66.1	32.4	97.2

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



#76

1,2,3-Trichloropropane

Concen: 19.070 ug/l

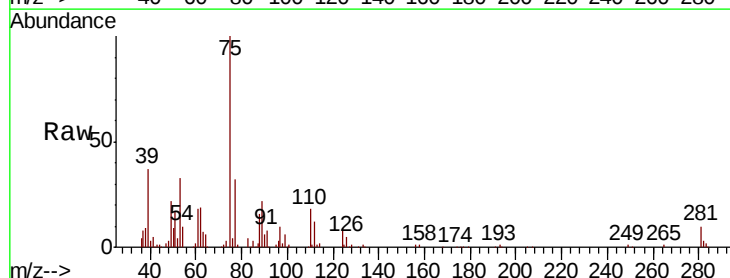
RT: 12.60 min Scan# 1125

Delta R.T. 0.01 min

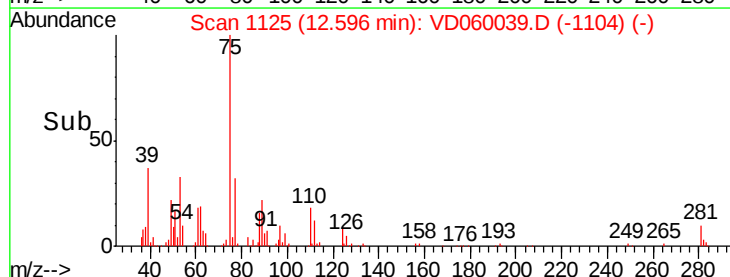
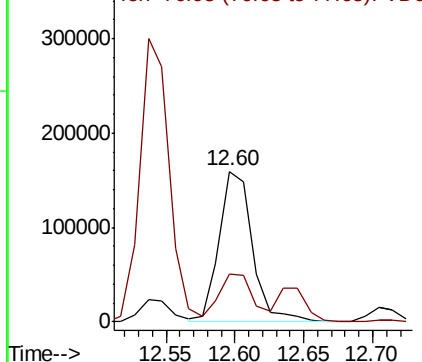
Lab File: VD060039.D

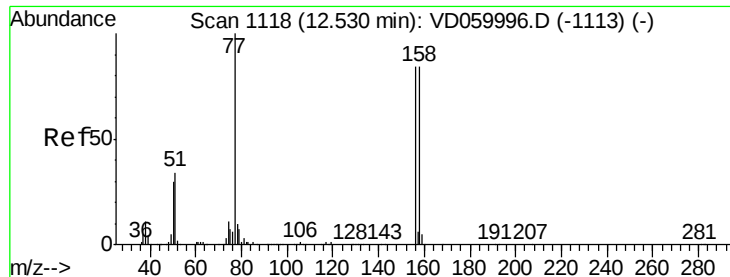
Acq: 19 Sep 2018 12:31

Tgt Ion:	75	Resp:	265794
Ion Ratio	Lower	Upper	
75	100		
77	32.2	16.4	49.4



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





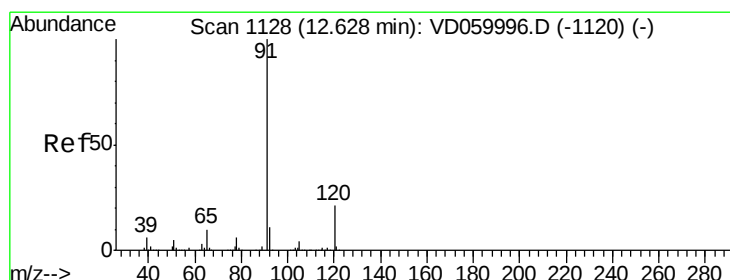
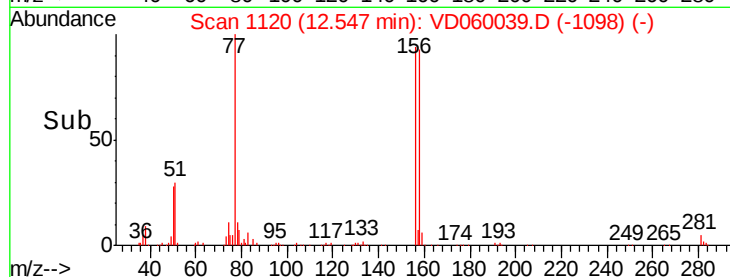
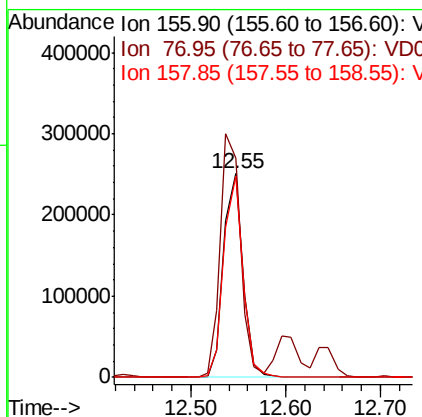
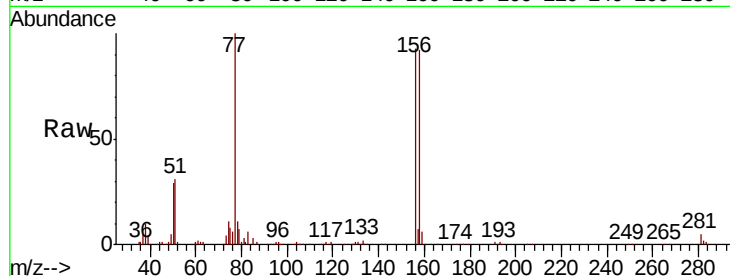
#77
Bromobenzene
Concen: 20.625 ug/l
RT: 12.55 min Scan# 1120
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	108.0	59.5	178.4
158	99.1	50.0	149.8

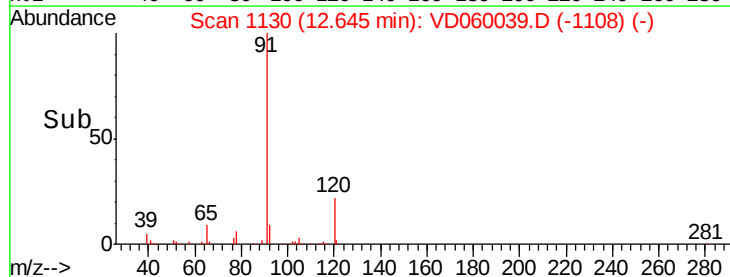
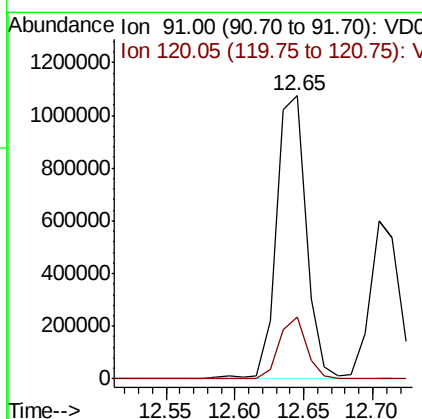
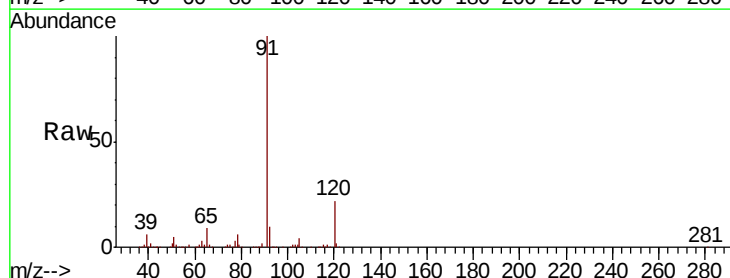
Manual Integrations
APPROVED

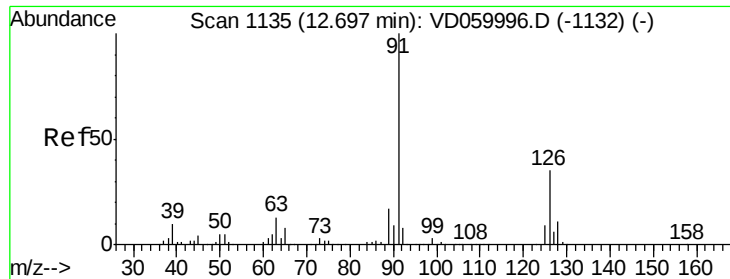
MMDadoda
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#78
n-propylbenzene
Concen: 21.258 ug/l
RT: 12.65 min Scan# 1130
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.7	31.9





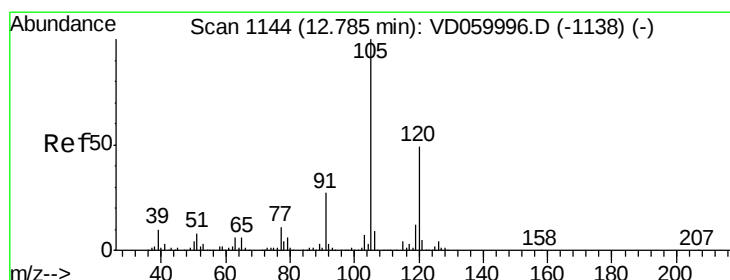
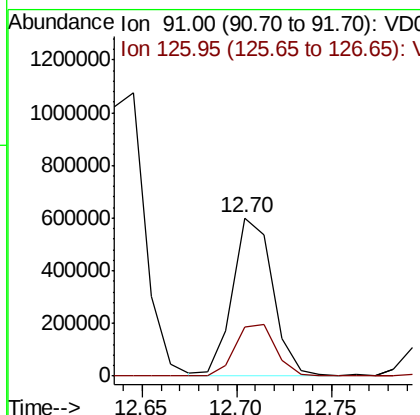
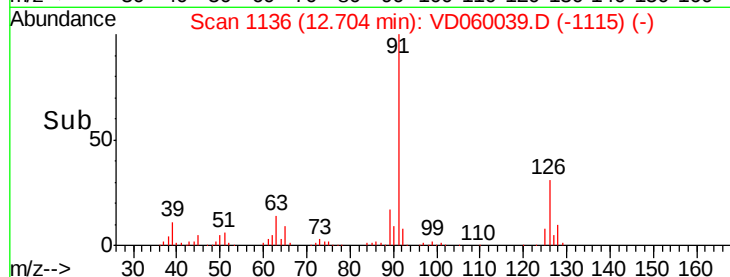
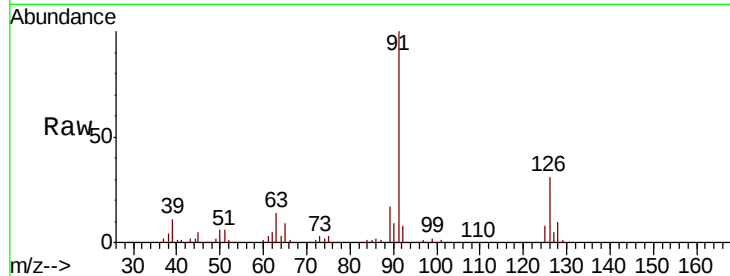
#79
2-Chlorotoluene
Concen: 20.667 ug/l
RT: 12.70 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBS01

Tot Ion: 91 Resp: 877931
Ion Ratio Lower Upper
91 100
126 31.3 17.3 52.0

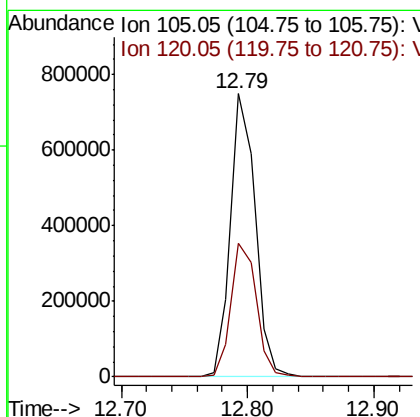
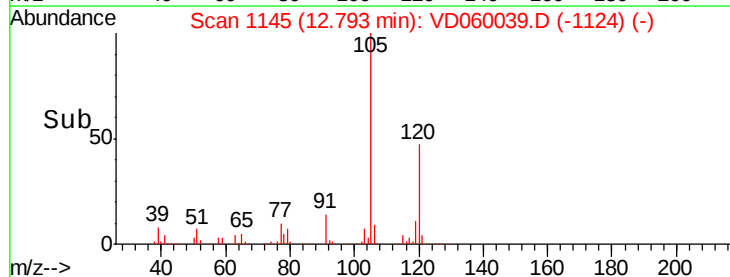
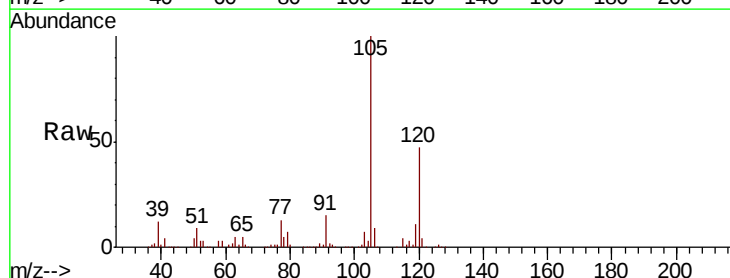
Manual Integrations
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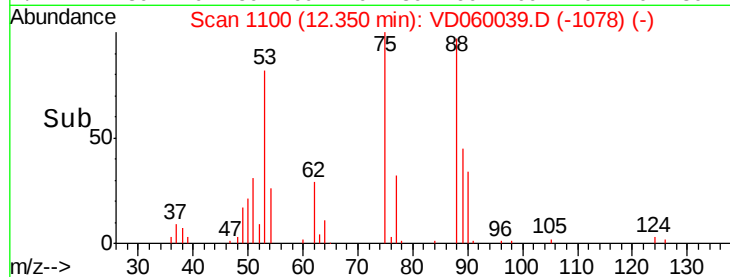
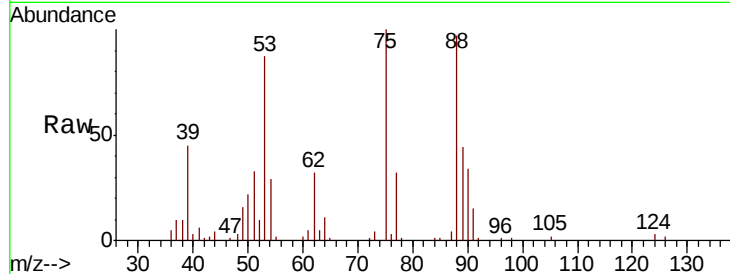
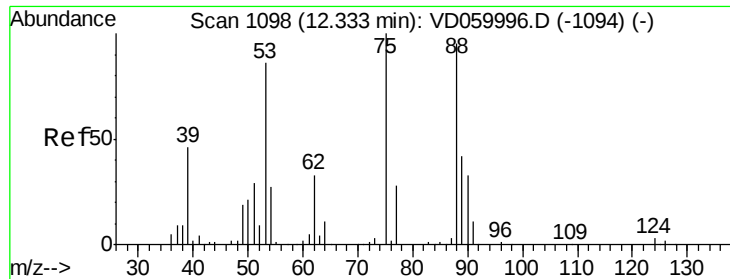
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#80
1,3,5-Trimethylbenzene
Concen: 22.077 ug/l
RT: 12.79 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion: 105 Resp: 1012752
Ion Ratio Lower Upper
105 100
120 47.3 24.4 73.2





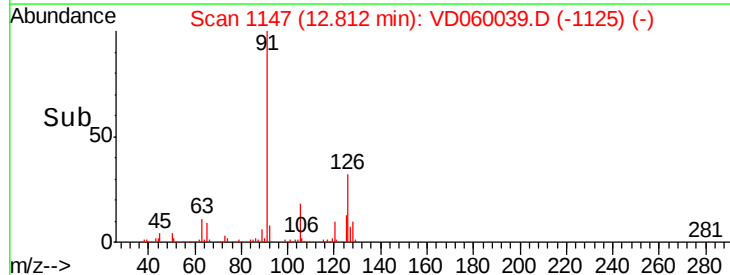
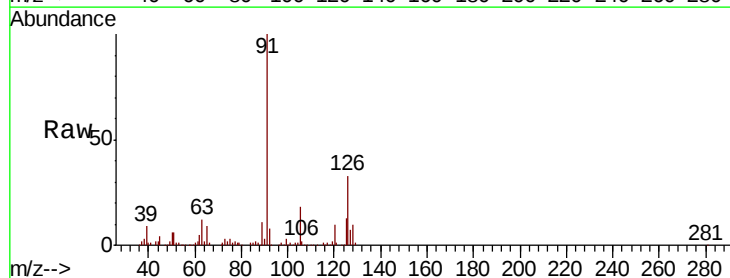
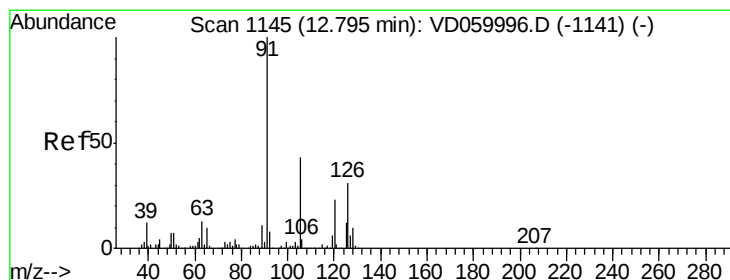
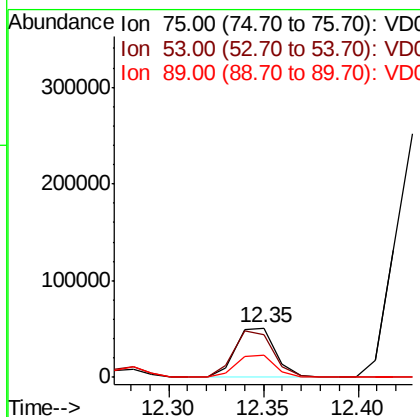
#81
trans-1,4-Dichloro-2-butene
Concen: 17.717 ug/l
RT: 12.35 min Scan# 1100
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.5	68.4	102.6
89	44.1	33.8	50.6

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBS01

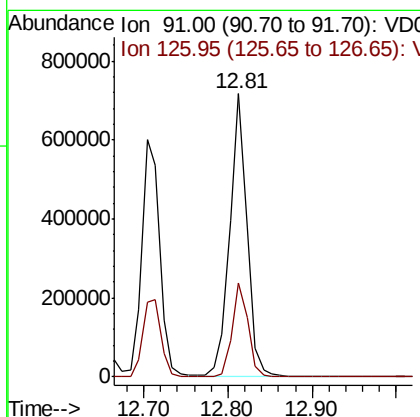
Manual Integrations
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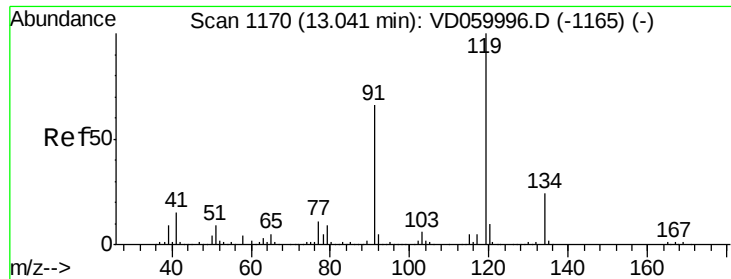
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#82
4-Chlorotoluene
Concen: 21.837 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	15.4	46.1





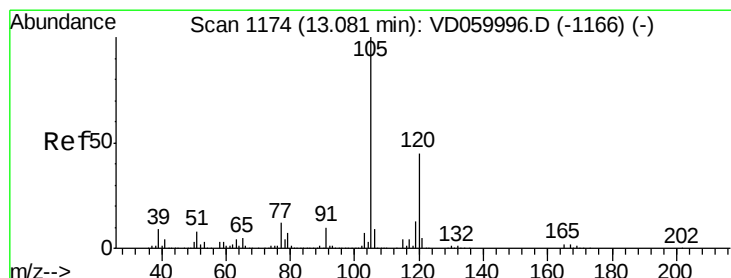
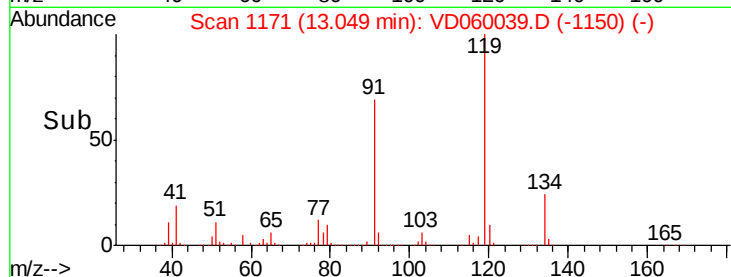
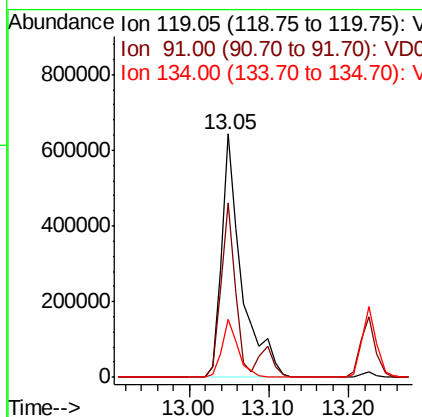
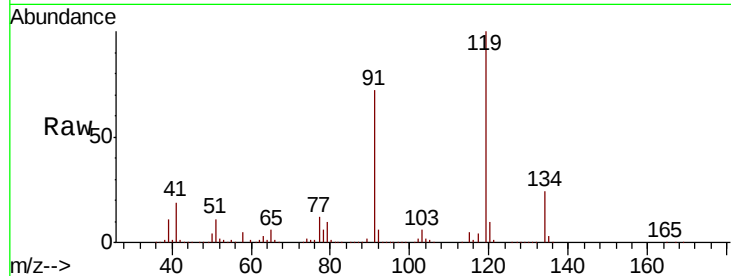
#83
tert-Butylbenzene
Concen: 21.359 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBS01

Tot Ion:119 Resp: 1135108
Ion Ratio Lower Upper
119 100
91 71.6 32.9 98.6
134 23.8 12.0 36.0

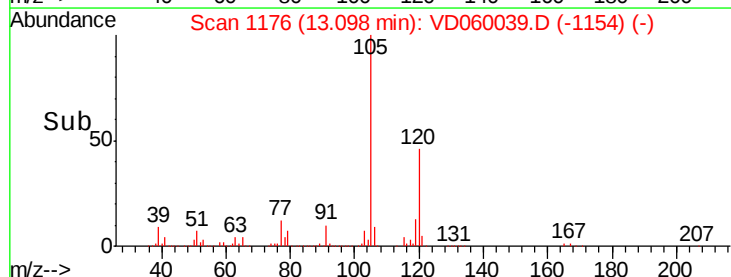
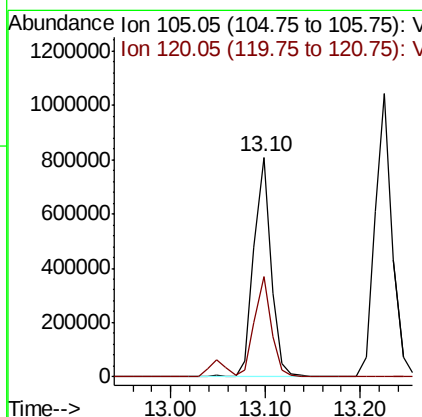
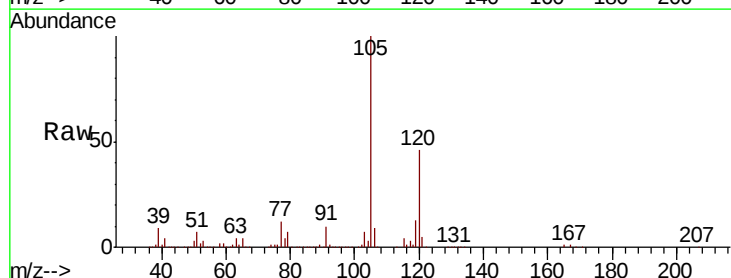
Manual Integrations
APPROVED

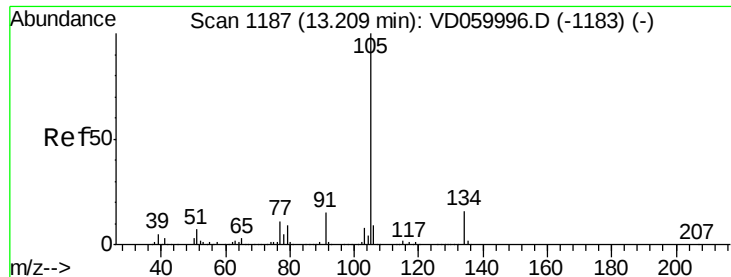
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#84
1,2,4-Trimethylbenzene
Concen: 20.895 ug/l
RT: 13.10 min Scan# 1176
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion:105 Resp: 1022892
Ion Ratio Lower Upper
105 100
120 45.9 22.4 67.0





#85

sec-Butylbenzene

Concen: 21.127 ug/l

RT: 13.23 min Scan# 1189

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0919SBS01

Tot Ion:105 Resp: 1332832

Ion Ratio Lower Upper

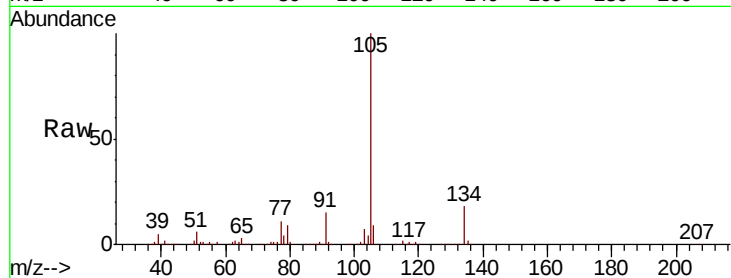
105 100

134 17.9 8.2 24.6

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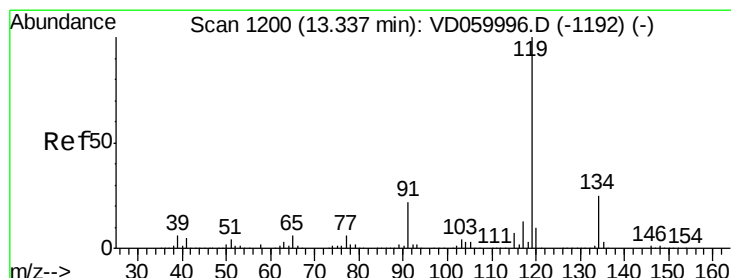
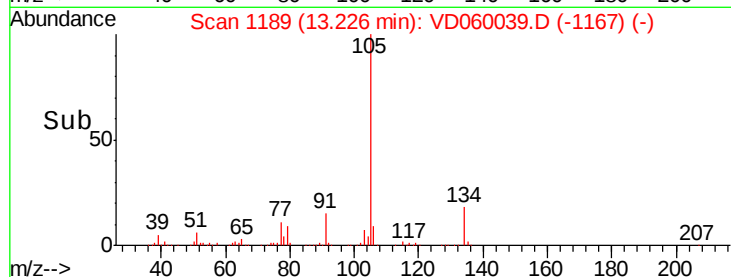
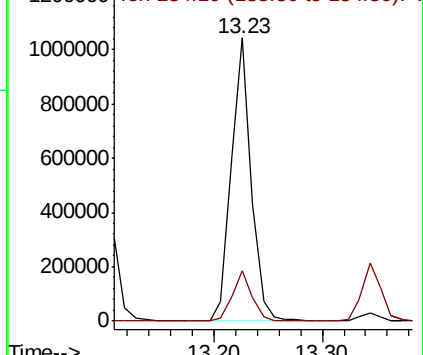
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.211 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

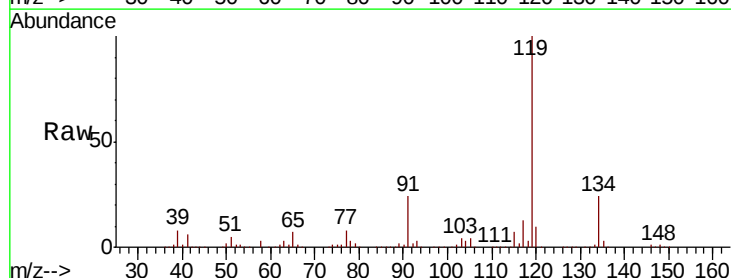
Tgt Ion:119 Resp: 1082253

Ion Ratio Lower Upper

119 100

134 24.2 12.8 38.3

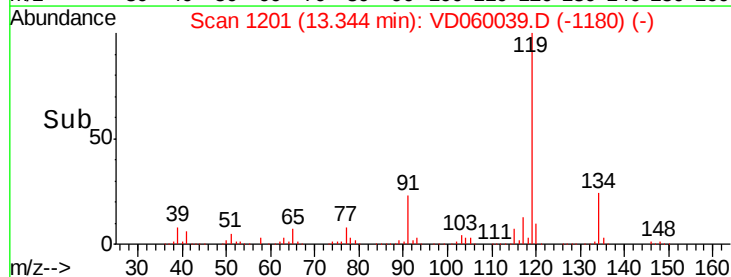
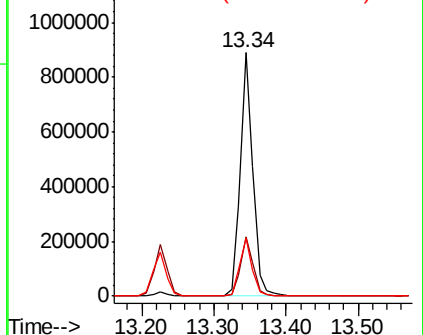
91 23.7 11.1 33.3

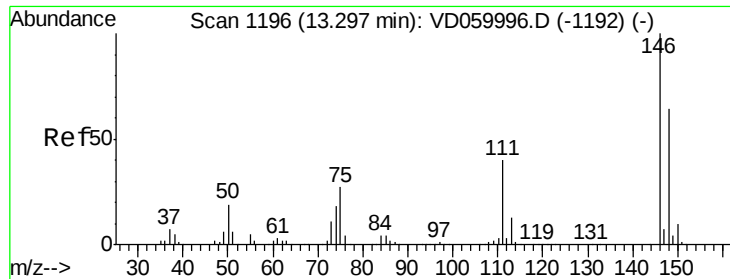


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





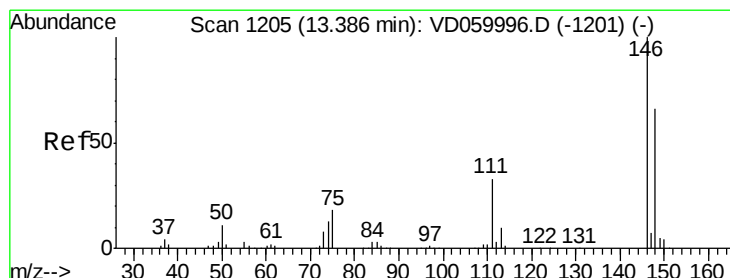
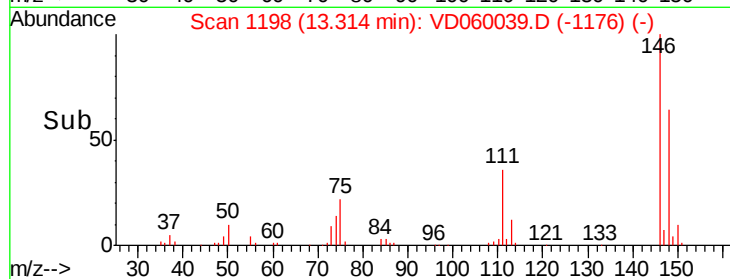
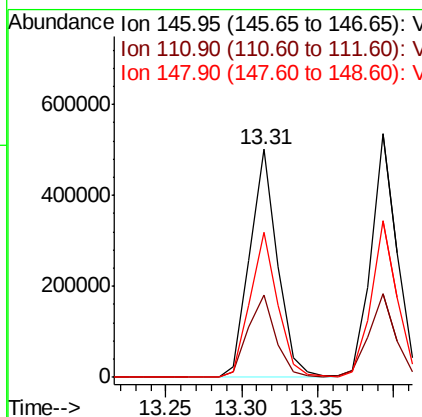
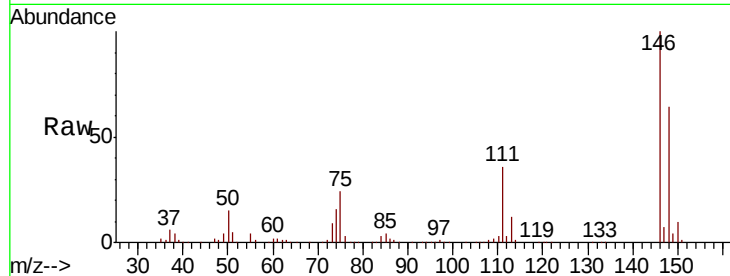
#87
 1,3-Dichlorobenzene
 Concen: 21.427 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.02 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0919SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	20.2	60.5
148	63.8	32.0	96.2

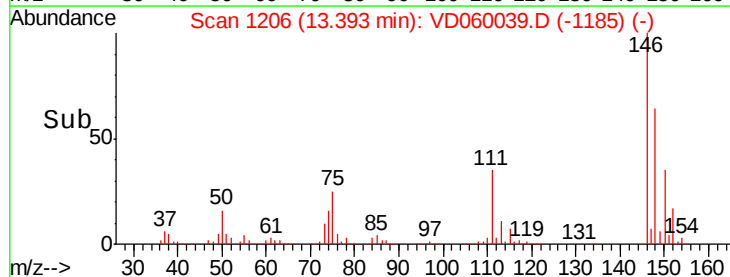
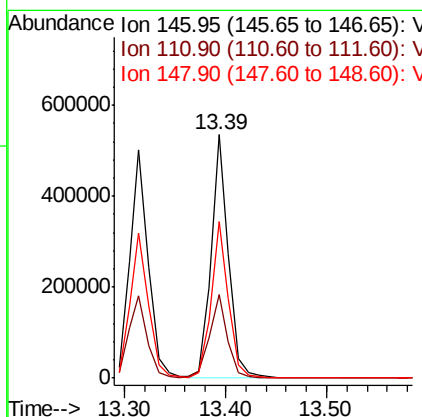
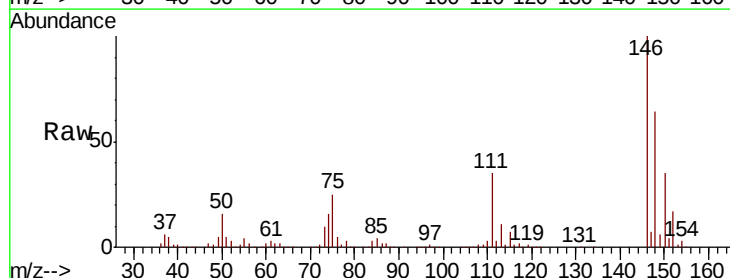
Manual Integrations
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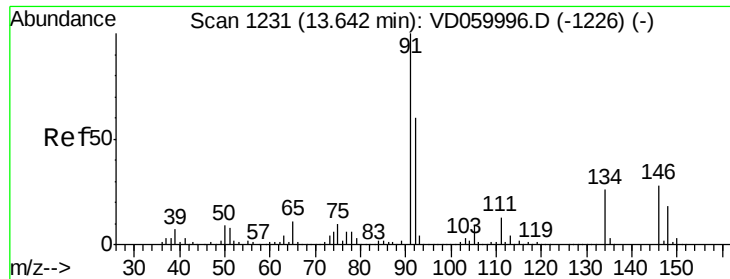
MMDadoda
 9/21/2018 5:02:15 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.134 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	16.7	50.0
148	64.4	32.9	98.6





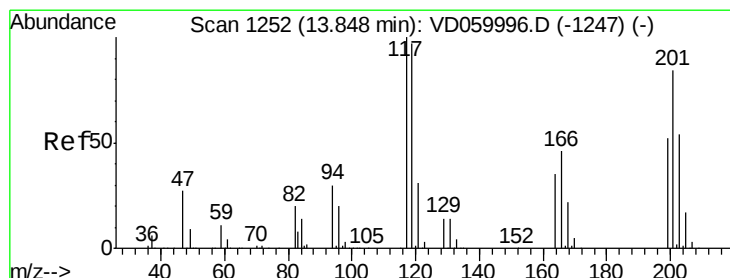
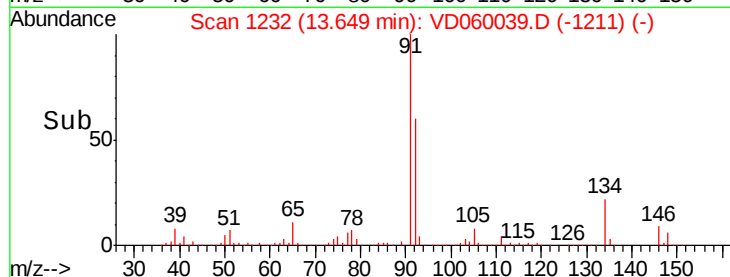
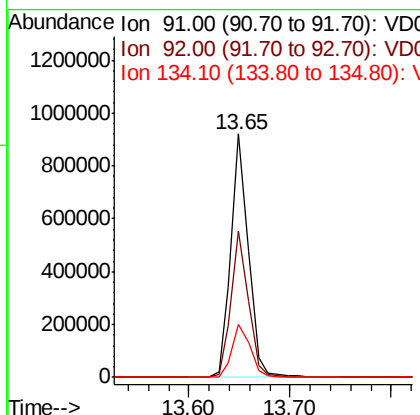
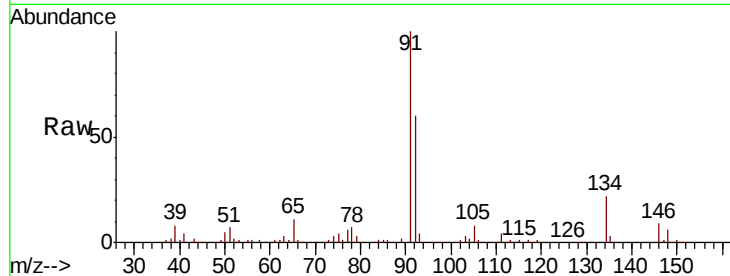
#89
n-Butylbenzene
Concen: 19.988 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBS01

Tot Ion: 91 Resp: 1106644
Ion Ratio Lower Upper
91 100
92 60.3 29.8 89.3
134 22.0 13.2 39.6

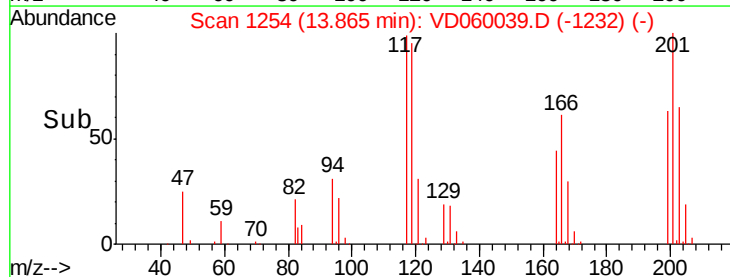
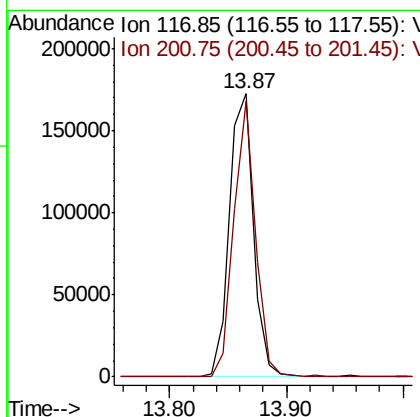
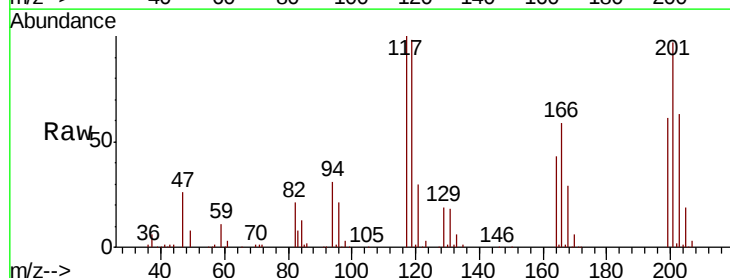
Manual Integrations
APPROVED

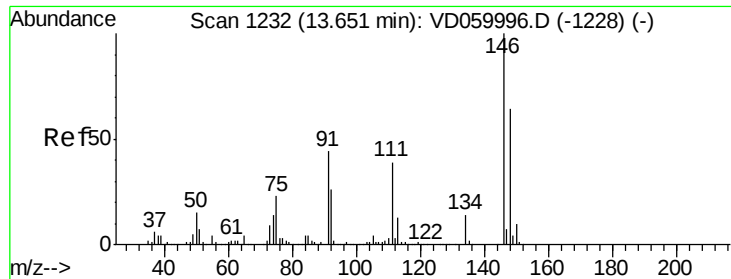
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#90
Hexachloroethane
Concen: 19.685 ug/l
RT: 13.87 min Scan# 1254
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion: 117 Resp: 248776
Ion Ratio Lower Upper
117 100
201 97.2 42.1 126.4





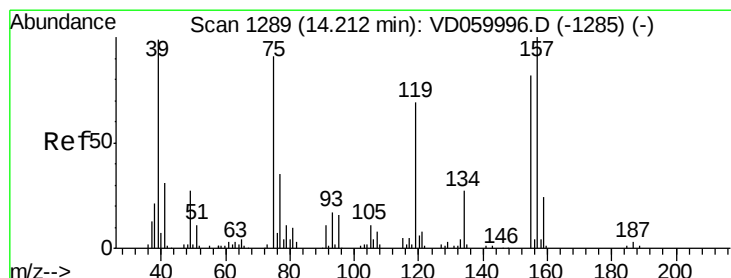
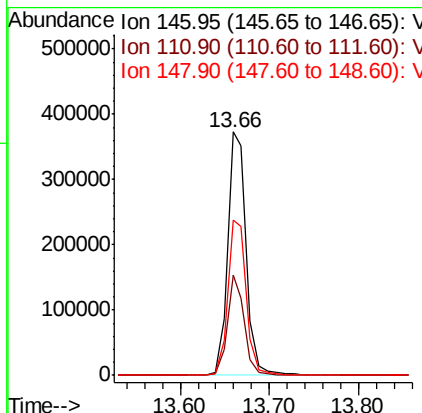
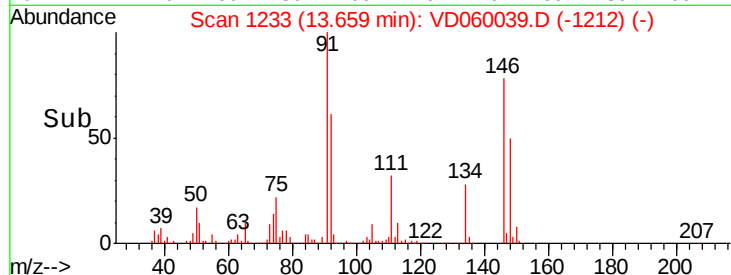
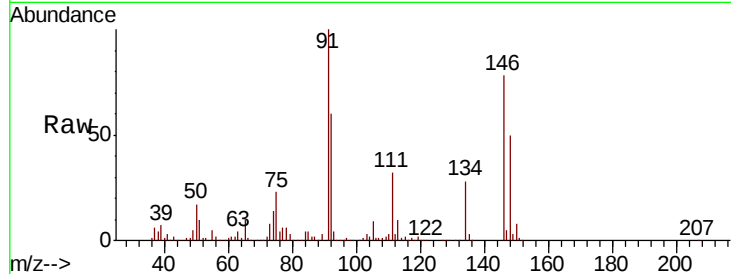
#91
 1,2-Dichlorobenzene
 Concen: 19.649 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0919SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.6	58.7
148	63.8	31.9	95.7

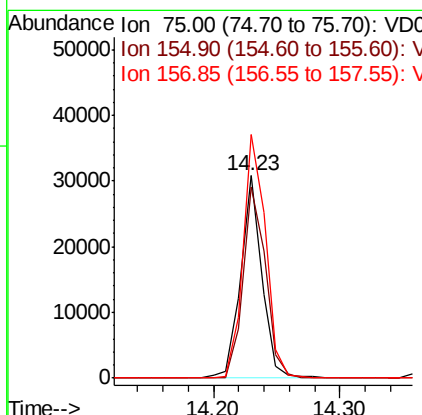
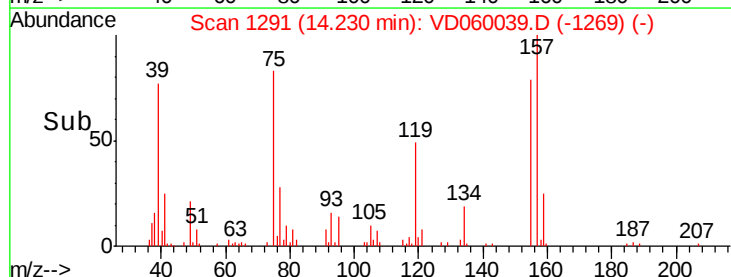
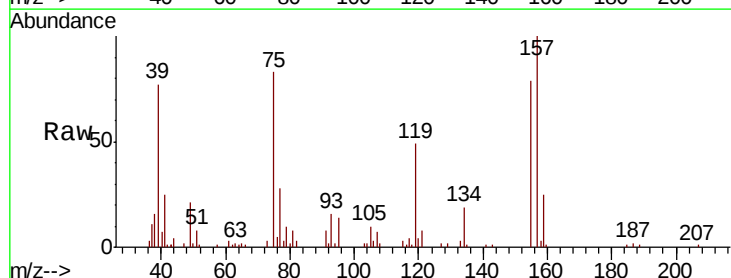
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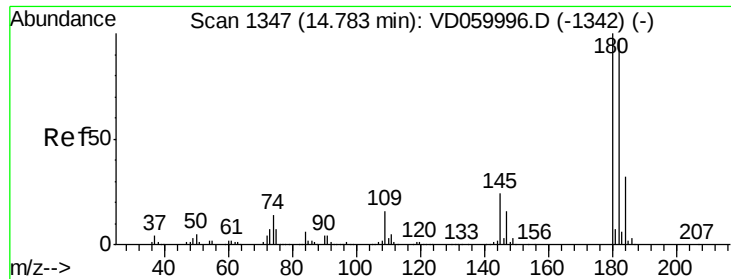
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.117 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.02 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	44.7	134.1
157	120.5	54.7	164.1





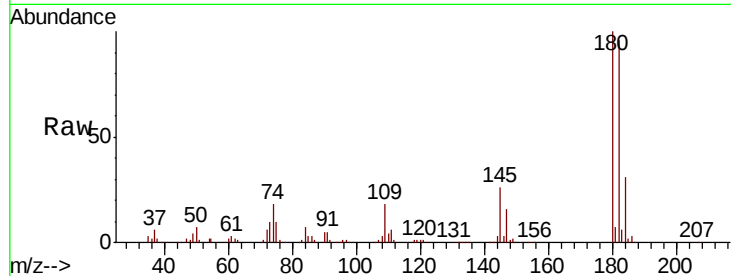
#93
 1,2,4-Trichlorobenzene
 Concen: 20.310 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0919SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	433932		
182	96.4	48.5	145.6	
145	26.1	11.9	35.7	

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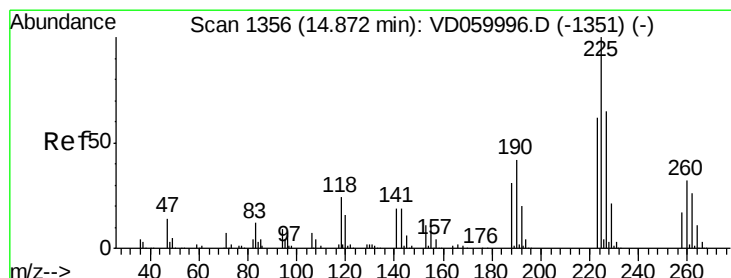
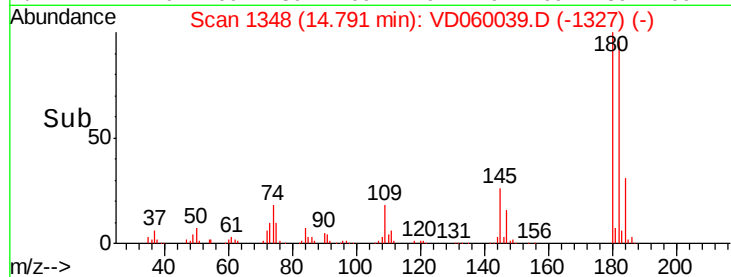
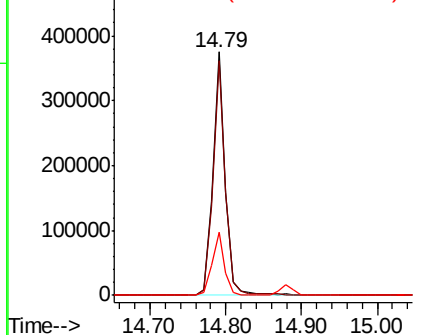


Abundance

Ion 179.85 (179.55 to 180.55): V

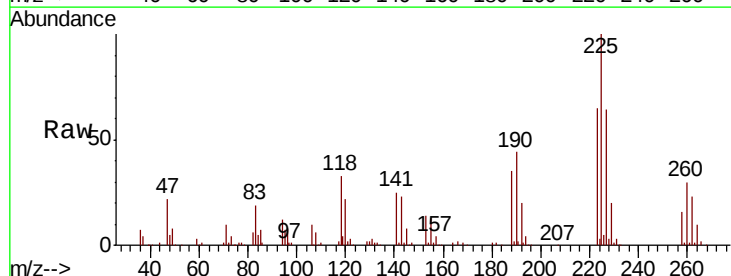
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 20.790 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	293828		
223	64.6	31.2	93.6	
227	64.4	32.3	96.8	

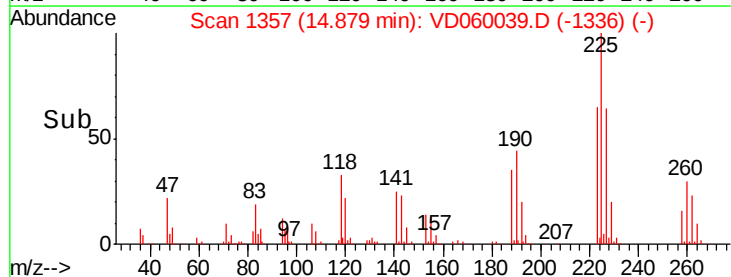
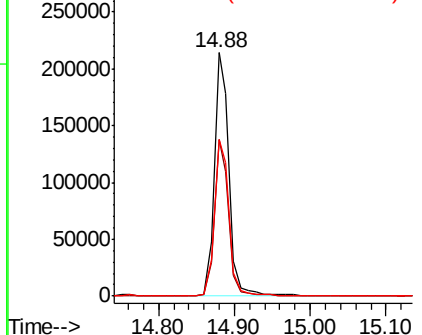


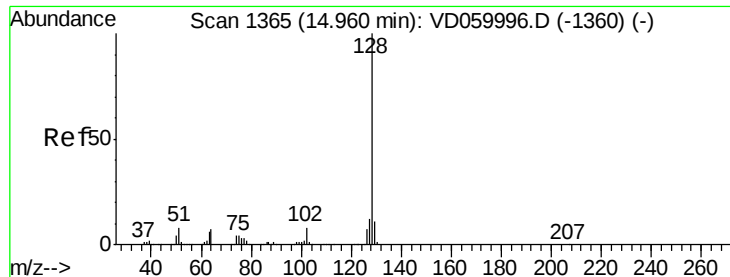
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





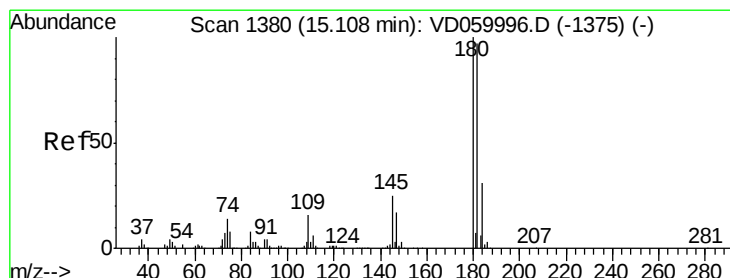
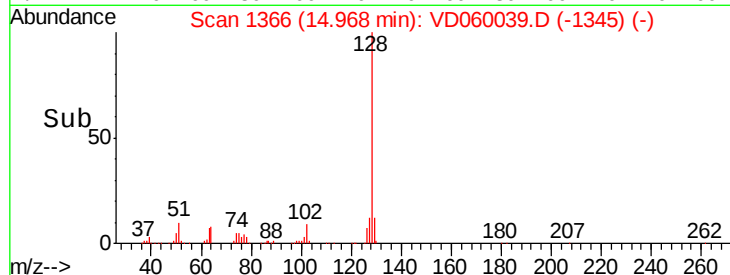
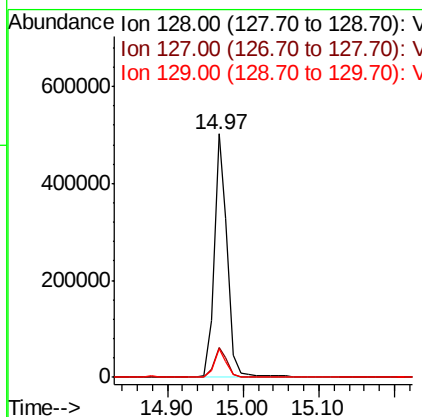
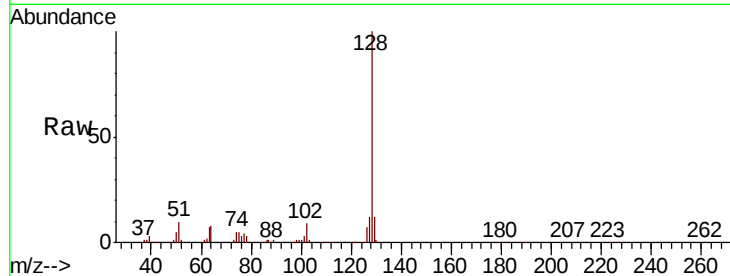
#95
Naphthalene
Concen: 18.661 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0919SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.7	14.5
129	11.9	8.9	13.3

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#96
1,2,3-Trichlorobenzene
Concen: 19.242 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.6	145.9
145	28.7	12.7	38.1

