

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081018\
 Data File : VD059736.D
 Acq On : 10 Aug 2018 18:38
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
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 8/13/2018 12:28:41 PM

Quant Time: Aug 11 05:16:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 04:59:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	154326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	192627	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	160149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	88854	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	176051	86.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	172.14%	
35) Dibromofluoromethane	5.54	113	144270	81.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	163.48%	
50) Toluene-d8	8.70	98	278884	73.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.46%	
62) 4-Bromofluorobenzene	11.93	95	143157	80.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	160.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	164878	76.47	ug/l	91
3) Chloromethane	1.47	50	71147	75.59	ug/l	92
4) Vinyl Chloride	1.54	62	89343	80.98	ug/l	100
5) Bromomethane	1.78	94	32268m	86.31	ug/l	
6) Chloroethane	1.87	64	45715	97.35	ug/l	93
7) Trichlorofluoromethane	2.07	101	171404	90.59	ug/l	100
8) Diethyl Ether	2.33	74	29629	86.63	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.54	101	88014	83.90	ug/l	97
10) Methyl Iodide	2.68	142	115759	95.67	ug/l	97
11) Tert butyl alcohol	3.25	59	30388	417.53	ug/l	98
12) 1,1-Dichloroethene	2.52	96	66512	87.87	ug/l	98
13) Acrolein	2.46	56	17879	280.99	ug/l	94
14) Allyl chloride	2.91	41	146360	83.66	ug/l	99
15) Acrylonitrile	3.34	53	79529	393.16	ug/l	98
16) Acetone	2.60	43	154375	408.08	ug/l	98
17) Carbon Disulfide	2.74	76	236002	86.31	ug/l	100
18) Methyl Acetate	2.92	43	55761	79.04	ug/l	100
19) Methyl tert-butyl Ether	3.40	73	239400	81.30	ug/l	99
20) Methylene Chloride	3.06	84	73434	50.44	ug/l	98
21) trans-1,2-Dichloroethene	3.37	96	78877	79.29	ug/l	99
22) Diisopropyl ether	4.06	45	266519	66.82	ug/l	89
23) Vinyl Acetate	4.00	43	898489	350.03	ug/l	99
24) 1,1-Dichloroethane	3.96	63	193070	72.53	ug/l	98
25) 2-Butanone	4.83	43	164577	344.79	ug/l	100
26) 2,2-Dichloropropane	4.79	77	228024	79.13	ug/l	99
27) cis-1,2-Dichloroethene	4.79	96	98463	70.20	ug/l	96
28) Bromochloromethane	5.13	49	69914	69.90	ug/l	91
29) Tetrahydrofuran	5.17	42	58678	315.70	ug/l	95
30) Chloroform	5.31	83	252411	76.36	ug/l	100
31) Cyclohexane	5.58	56	109164	56.32	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	265458	81.88	ug/l	98
36) 1,1-Dichloropropene	5.74	75	157485	73.45	ug/l	93
37) Ethyl Acetate	4.92	43	74228	71.32	ug/l #	95
38) Carbon Tetrachloride	5.71	117	251542	84.94	ug/l	95

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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)
39) Methylcyclohexane	7.28	83	120645	68.11	ug/l	95
40) Benzene	6.01	78	261885	64.06	ug/l	100
41) Methacrylonitrile	5.11	41	33829	71.28	ug/l	96
42) 1,2-Dichloroethane	6.12	62	220034	82.68	ug/l	98
43) Isopropyl Acetate	7.61	43	92619	69.06	ug/l	99
44) Trichloroethene	6.97	130	109480	71.67	ug/l	97
45) 1,2-Dichloropropane	7.34	63	71842	66.64	ug/l	97
46) Dibromomethane	7.45	93	73387	76.03	ug/l	98
47) Bromodichloromethane	7.73	83	198383	80.00	ug/l	98
48) Methyl methacrylate	7.50	41	68946	76.27	ug/l	96
49) 1,4-Dioxane	7.48	88	11241	1637.67	ug/l	94
51) 4-Methyl-2-Pentanone	8.59	43	363458	366.73	ug/l	98
52) Toluene	8.79	92	177187	67.64	ug/l	100
53) t-1,3-Dichloropropene	9.18	75	160431	77.36	ug/l	98
54) cis-1,3-Dichloropropene	8.36	75	155661	74.09	ug/l	92
55) 1,1,2-Trichloroethane	9.45	97	69887	68.65	ug/l	97
56) Ethyl methacrylate	9.31	69	73167	65.73	ug/l	90
57) 1,3-Dichloropropane	9.66	76	117079	73.84	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.18	63	184831	345.05	ug/l	98
59) 2-Hexanone	9.78	43	278927	374.41	ug/l	98
60) Dibromochloromethane	9.95	129	141794	85.56	ug/l	95
61) 1,2-Dibromoethane	10.09	107	87197	74.12	ug/l	100
64) Tetrachloroethene	9.51	164	106177	69.75	ug/l	97
65) Chlorobenzene	10.72	112	228609	67.86	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.85	131	113376	74.56	ug/l	98
67) Ethyl Benzene	10.86	91	421912	69.15	ug/l	97
68) m/p-Xylenes	11.00	106	265002	137.13	ug/l	97
69) o-Xylene	11.40	106	127364	67.46	ug/l	94
70) Styrene	11.43	104	213833	67.74	ug/l	97
71) Bromoform	11.60	173	96629	84.26	ug/l	99
73) Isopropylbenzene	11.77	105	411347	69.81	ug/l	99
74) N-amyl acetate	11.64	43	125232	67.34	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.08	83	80823	68.78	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	91099	66.67	ug/l	99
77) Bromobenzene	12.04	156	124462	72.28	ug/l	88
78) n-propylbenzene	12.16	91	509855	69.91	ug/l	96
79) 2-Chlorotoluene	12.21	91	317724	71.83	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	367549	74.53	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	22114	68.76	ug/l	98
82) 4-Chlorotoluene	12.32	91	381301	73.39	ug/l	98
83) tert-Butylbenzene	12.57	119	403820	73.64	ug/l	97
84) 1,2,4-Trimethylbenzene	12.62	105	392968	75.05	ug/l	97
85) sec-Butylbenzene	12.76	105	431219	70.69	ug/l	97
86) p-Isopropyltoluene	12.88	119	375491	72.06	ug/l	95
87) 1,3-Dichlorobenzene	12.83	146	206199	69.03	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	207910	70.37	ug/l	96
89) n-Butylbenzene	13.19	91	376177	71.63	ug/l	99
90) Hexachloroethane	13.40	117	109455	80.50	ug/l	86
91) 1,2-Dichlorobenzene	13.19	146	176938	70.73	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	20587	82.57	ug/l	92

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VSTDICC075

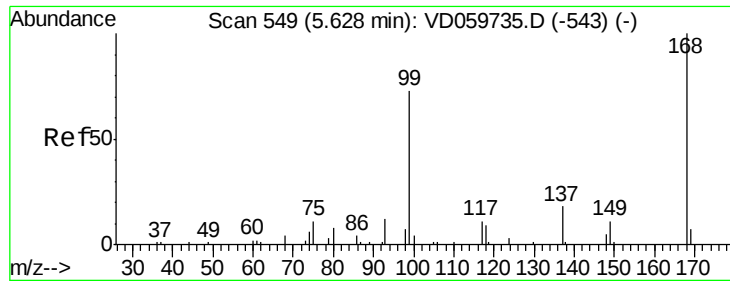
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Aug 11 04:59:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	168295	73.75	ug/l	96
94) Hexachlorobutadiene	14.43	225	141228	79.33	ug/l	98
95) Naphthalene	14.52	128	228111	68.64	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	146582	74.48	ug/l	96

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



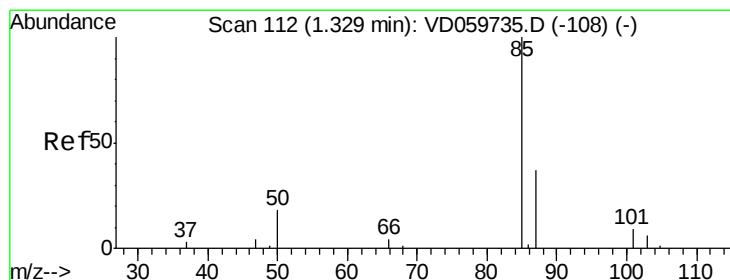
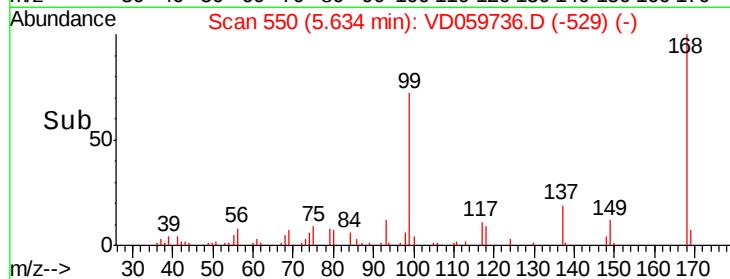
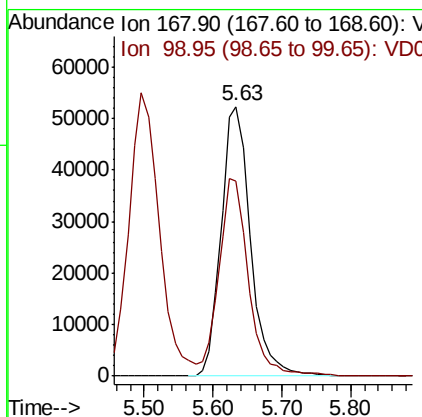
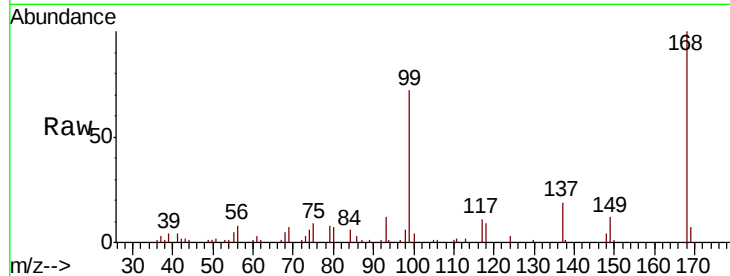
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.63 min Scan# 550
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
168	100	154326		
99	72.3	61.4	92.2	

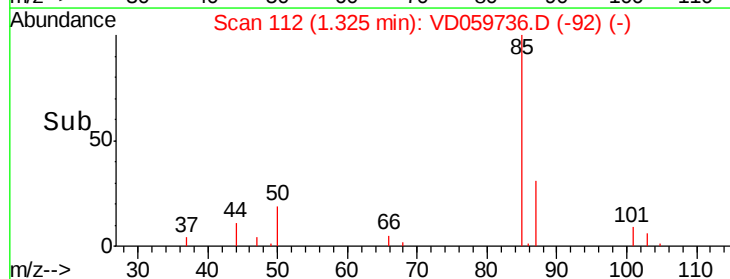
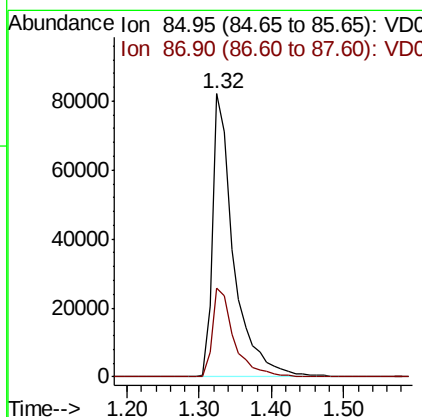
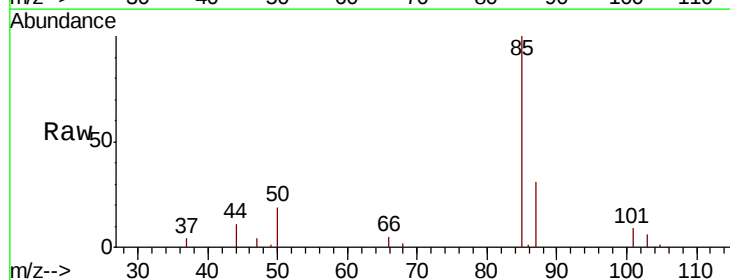
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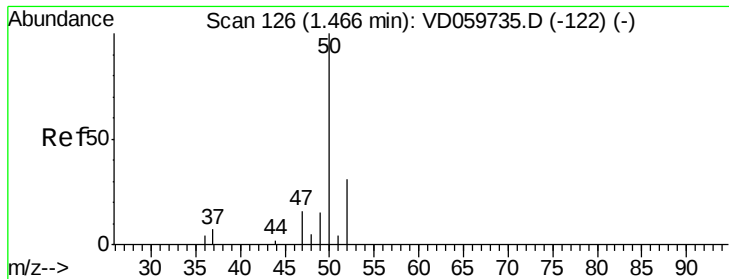
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#2
Dichlorodifluoromethane
Concen: 76.47 ug/l
RT: 1.32 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	164878		
87	31.2	18.3	54.8	





#3

Chloromethane

Concen: 75.59 ug/l

RT: 1.47 min Scan# 127

Delta R.T. 0.01 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 71147

Ion Ratio Lower Upper

50 100

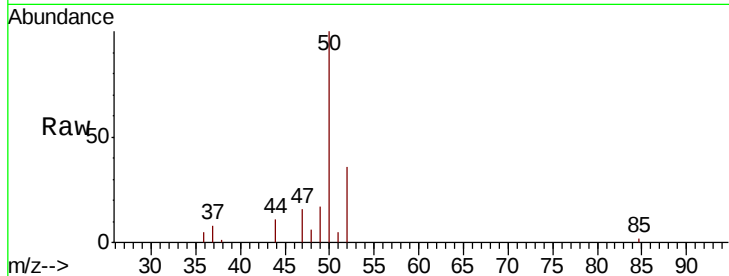
52 35.6 24.8 37.2

Manual Integrations

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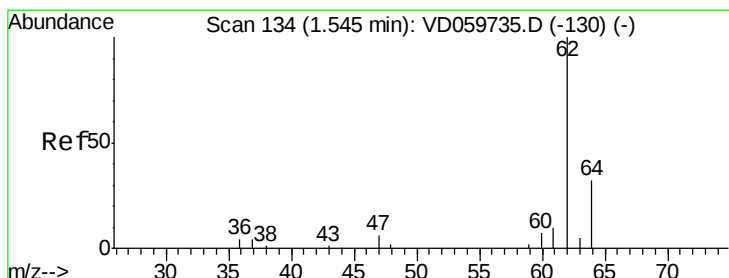
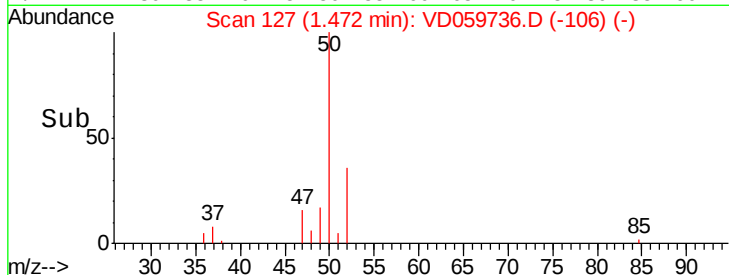
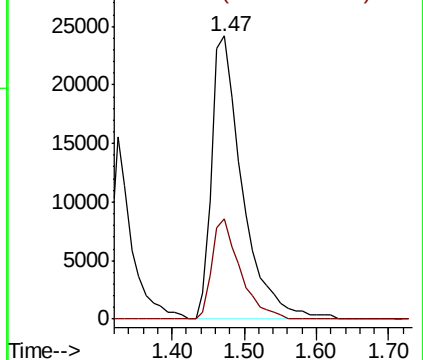
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 80.98 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.00 min

Lab File: VD059736.D

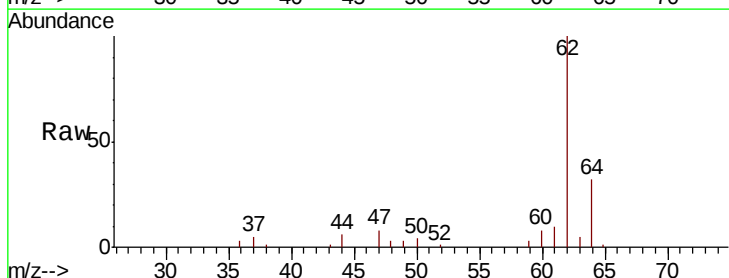
Acq: 10 Aug 2018 18:38

Tgt Ion: 62 Resp: 89343

Ion Ratio Lower Upper

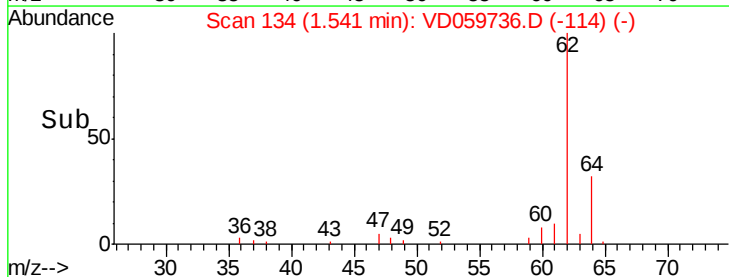
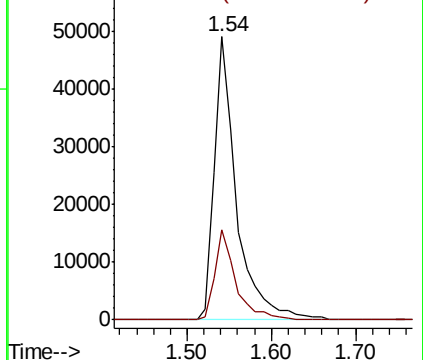
62 100

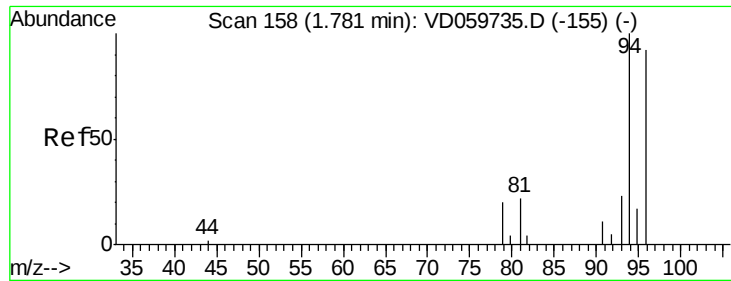
64 31.8 25.3 37.9



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 86.31 ug/l m

RT: 1.78 min Scan# 158

Delta R.T. -0.00 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 32268

Ion Ratio Lower Upper

94 100

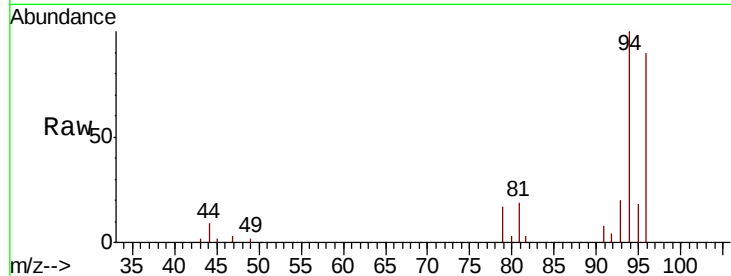
96 89.8 73.4 110.2

Manual Integrations

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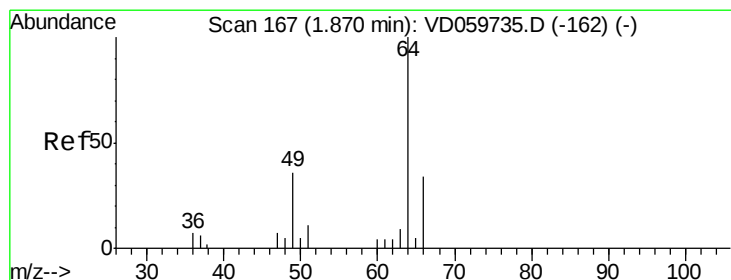
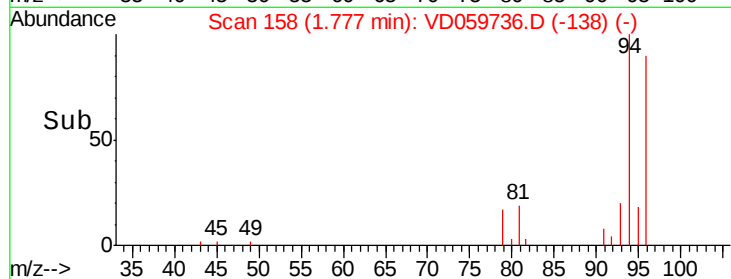
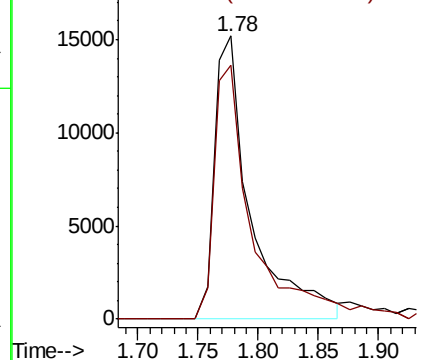
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 97.35 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD059736.D

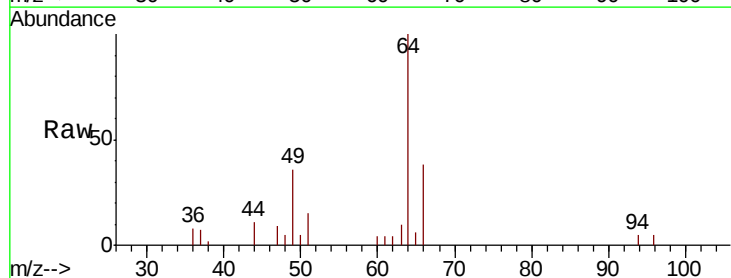
Acq: 10 Aug 2018 18:38

Tgt Ion: 64 Resp: 45715

Ion Ratio Lower Upper

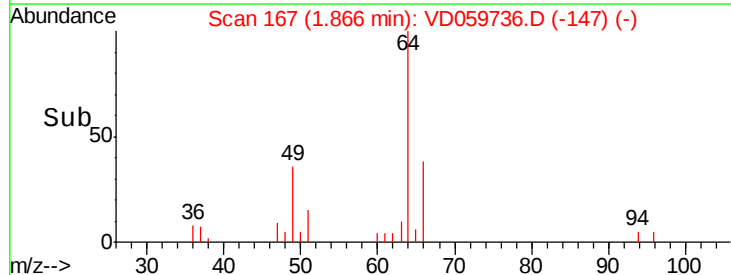
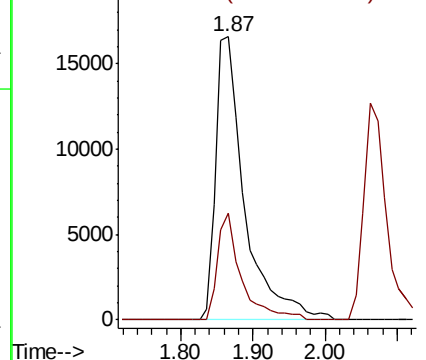
64 100

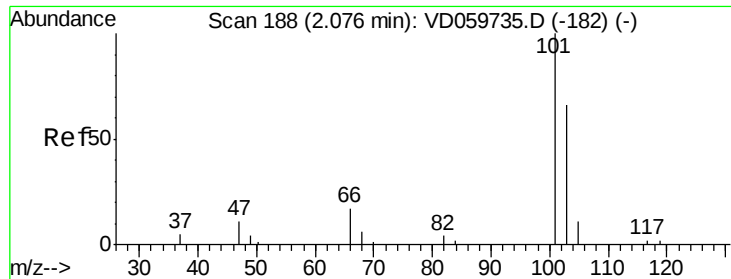
66 37.9 26.9 40.3



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

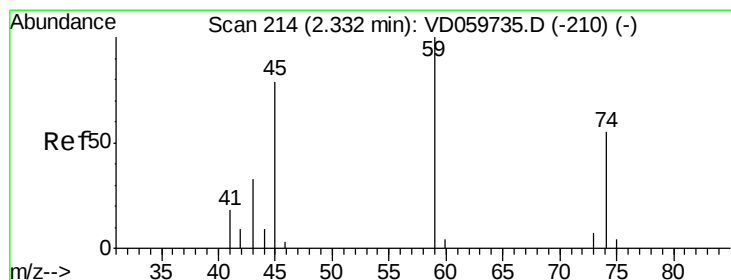
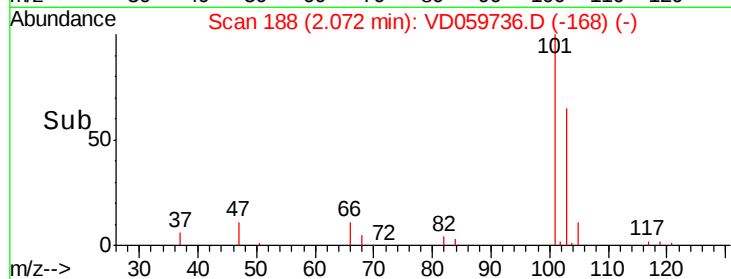
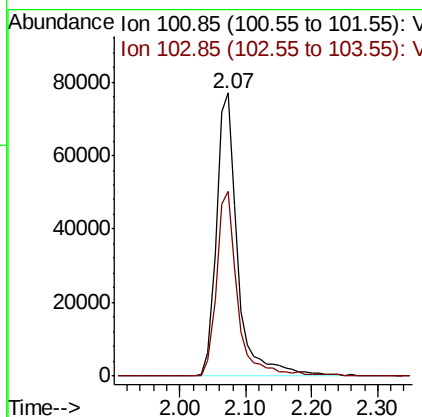
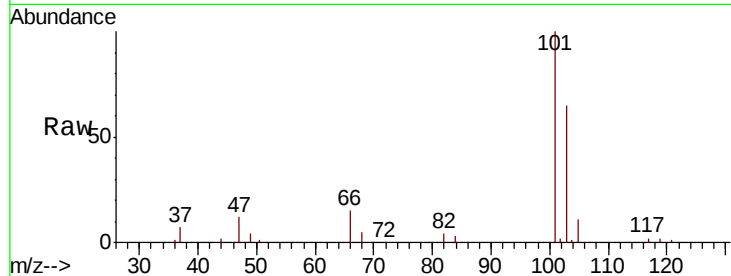
Trichlorofluoromethane
Concen: 90.59 ug/l
RT: 2.07 min Scan# 188
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

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ClientSampleId :
VSTDIC075

Tot Ion:101 Resp: 171404
Ion Ratio Lower Upper
101 100
103 65.4 52.4 78.6

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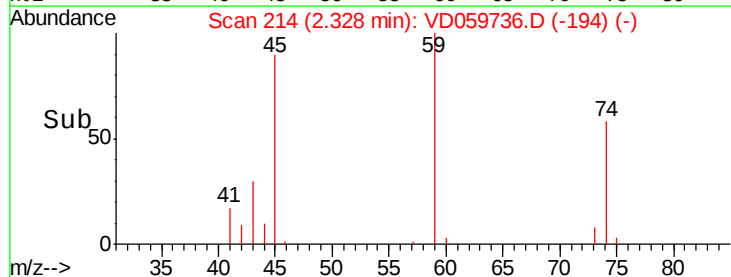
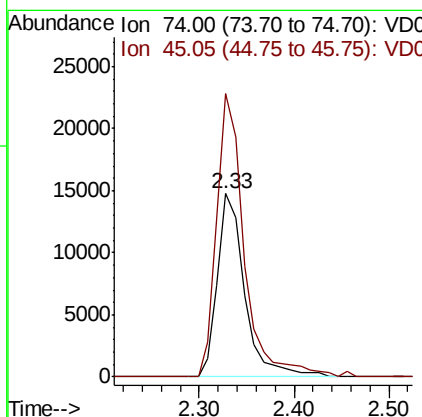
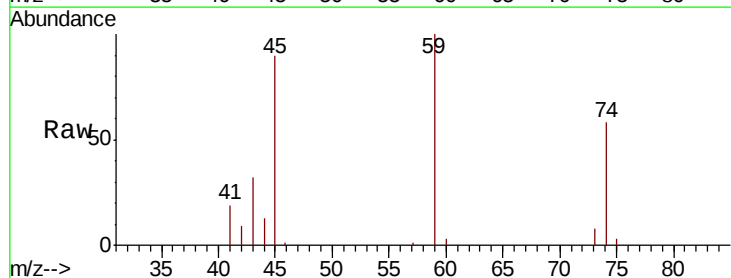
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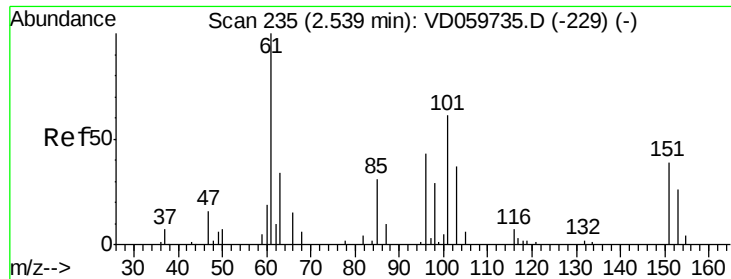


#8

Diethyl Ether
Concen: 86.63 ug/l
RT: 2.33 min Scan# 214
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion: 74 Resp: 29629
Ion Ratio Lower Upper
74 100
45 154.4 71.1 213.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 83.90 ug/l

RT: 2.54 min Scan# 236

Delta R.T. 0.01 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

Instrument :

MSVOA_D

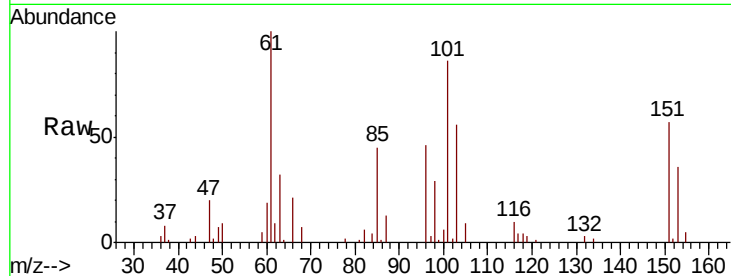
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VSTDIC075

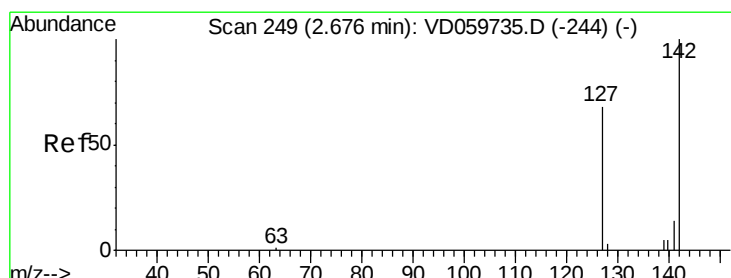
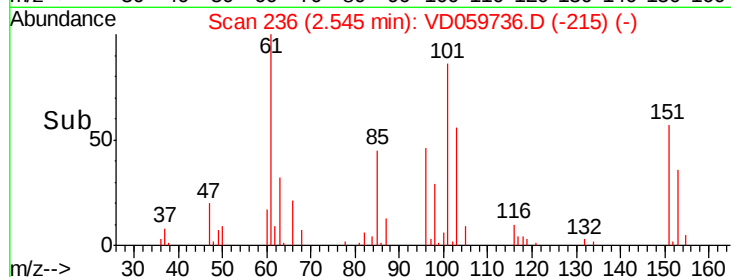
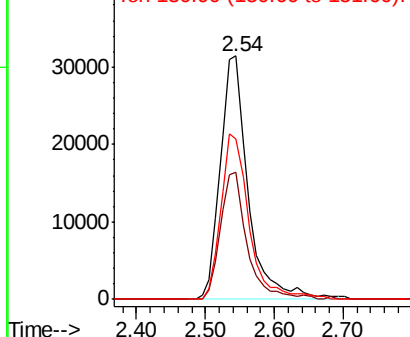
Tot Ion:	101	Resp:	88014
Ion Ratio	Lower	Upper	
101	100		
85	52.0	39.7	59.5
151	66.1	50.8	76.2

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



#10

Methyl Iodide

Concen: 95.67 ug/l

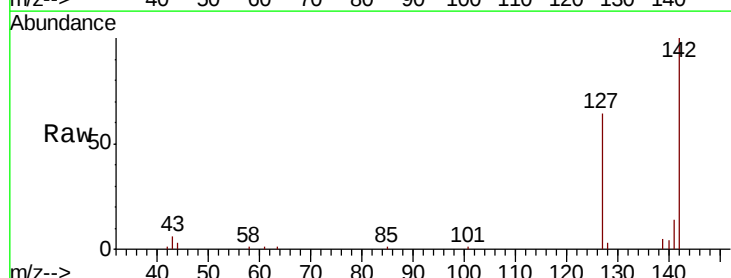
RT: 2.68 min Scan# 250

Delta R.T. 0.01 min

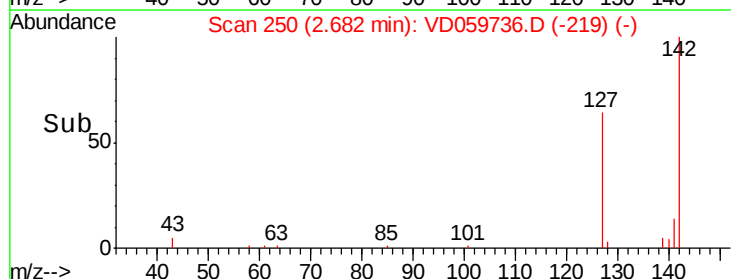
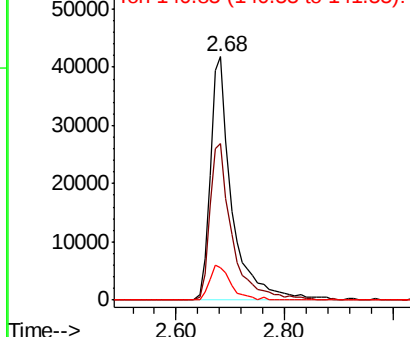
Lab File: VD059736.D

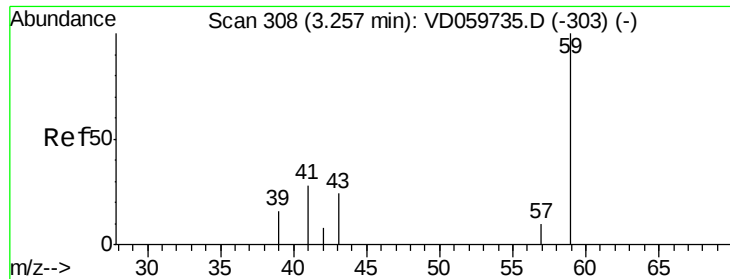
Acq: 10 Aug 2018 18:38

Tgt Ion:	142	Resp:	115759
Ion Ratio	Lower	Upper	
142	100		
127	64.2	54.0	81.0
141	13.5	11.0	16.4



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





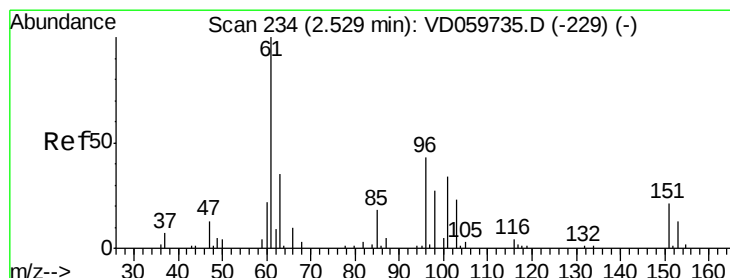
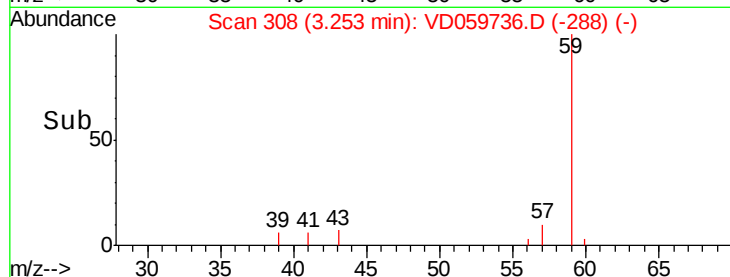
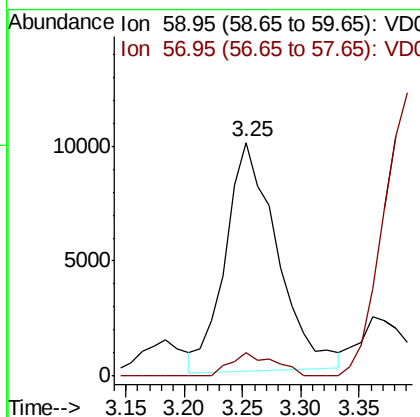
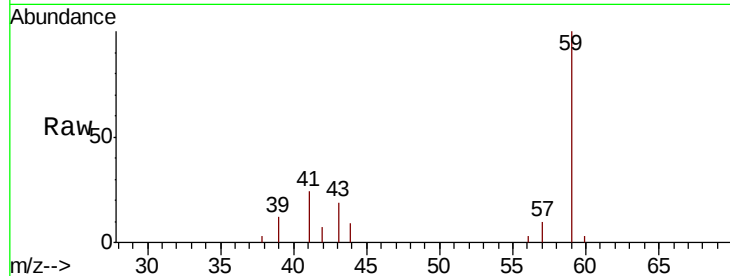
#11
Tert butyl alcohol
Concen: 417.53 ug/l
RT: 3.25 min Scan# 308
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.3	10.9

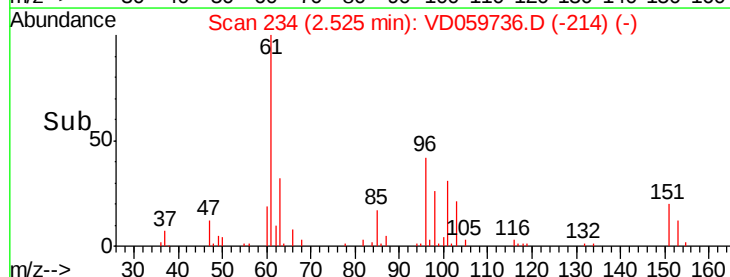
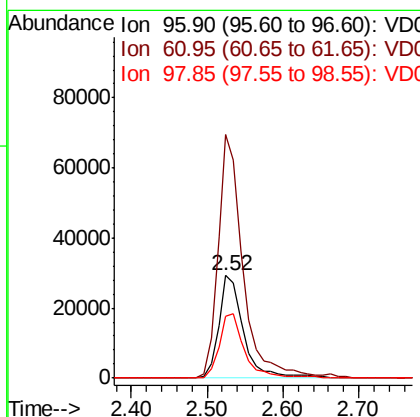
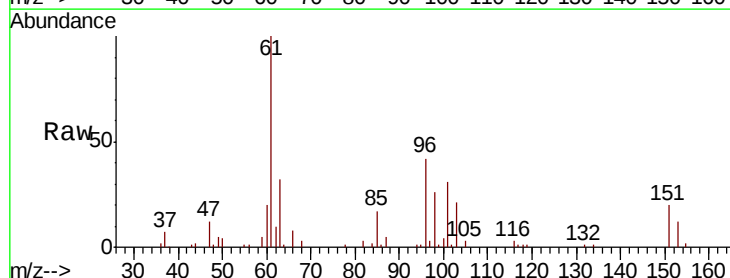
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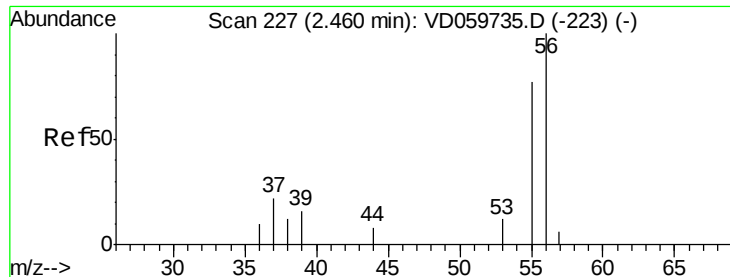
apatel
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#12
1,1-Dichloroethene
Concen: 87.87 ug/l
RT: 2.52 min Scan# 234
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	236.9	187.2	280.8
98	60.6	50.4	75.6





#13

Acrolein

Concen: 280.99 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.00 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 56 Resp: 17879

Ion Ratio Lower Upper

56 100

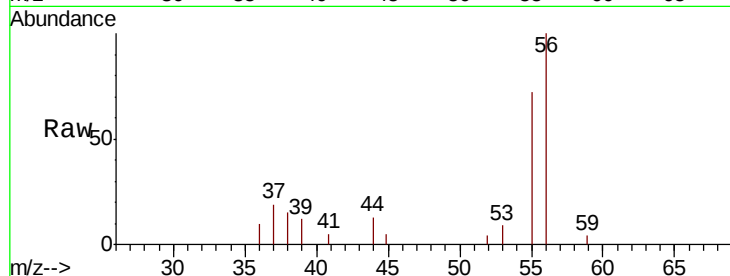
55 71.8 61.4 92.2

Manual Integrations

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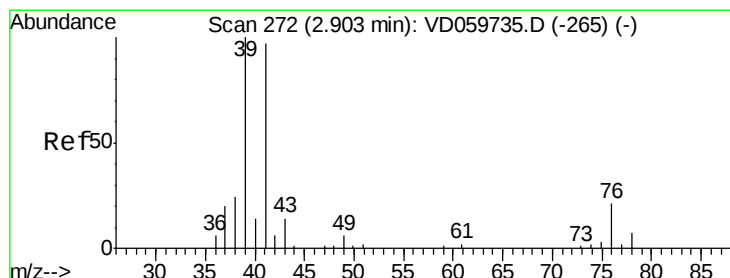
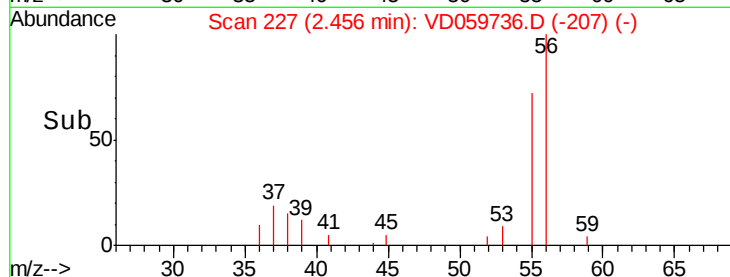
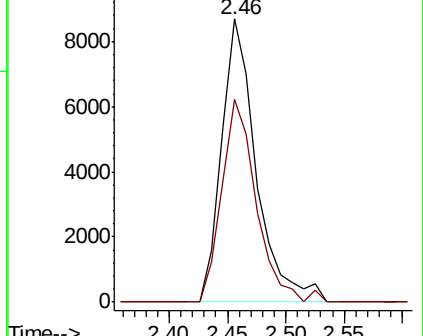
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 83.66 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.01 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

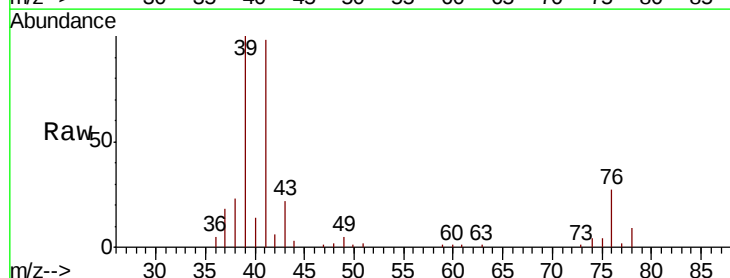
Tgt Ion: 41 Resp: 146360

Ion Ratio Lower Upper

41 100

39 102.4 82.9 124.3

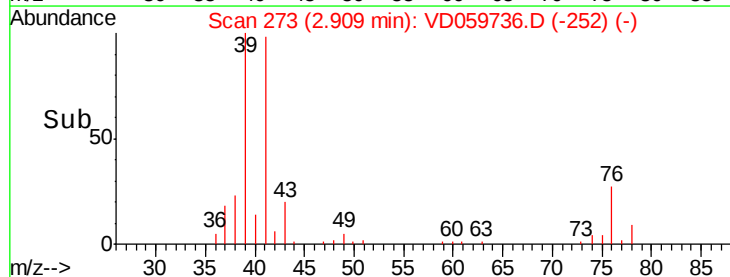
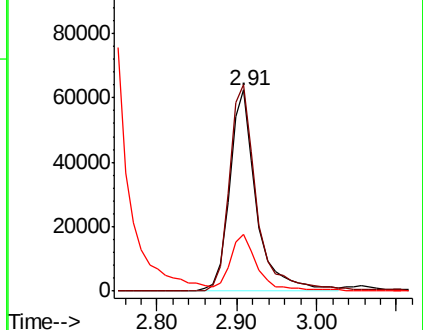
76 28.0 22.2 33.2

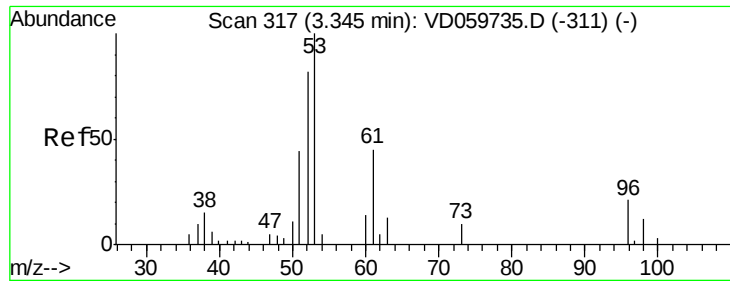


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





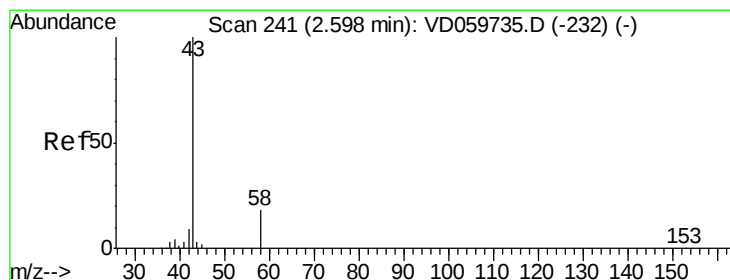
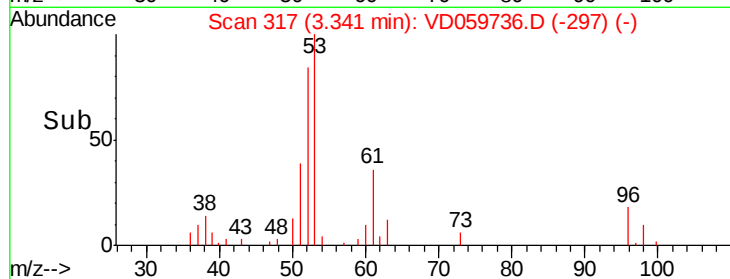
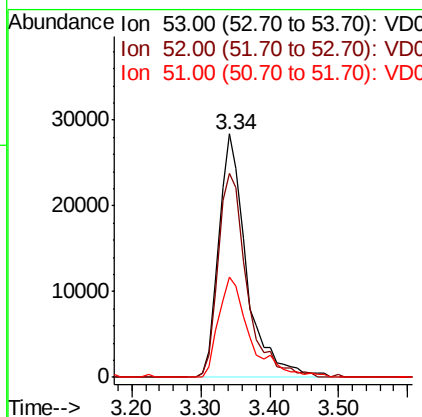
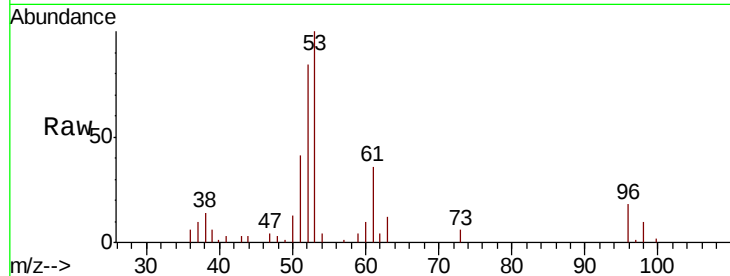
#15
 Acrylonitrile
 Concen: 393.16 ug/l
 RT: 3.34 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VD059736.D
 Acq: 10 Aug 2018 18:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:	53	Resp:	79529
Ion Ratio	Lower	Upper	
53	100		
52	83.5	65.8	98.6
51	41.3	35.1	52.7

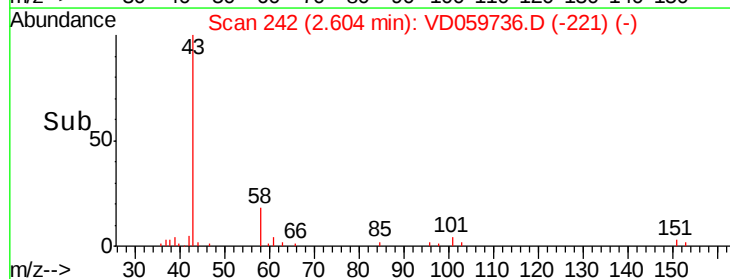
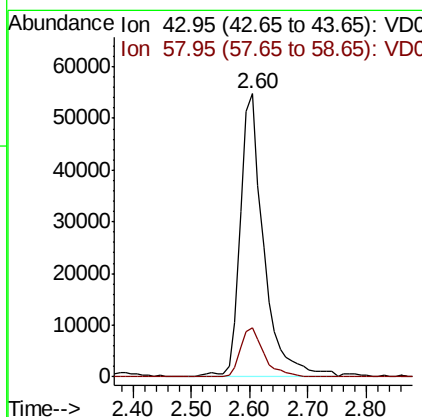
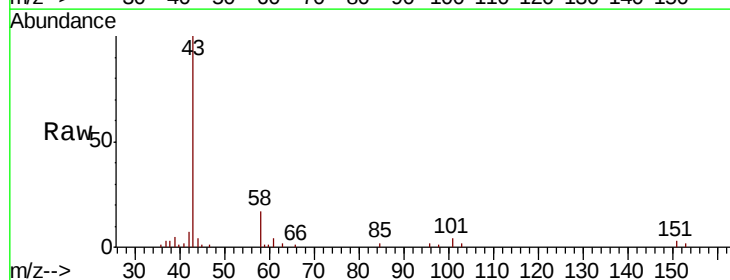
Manual Integrations
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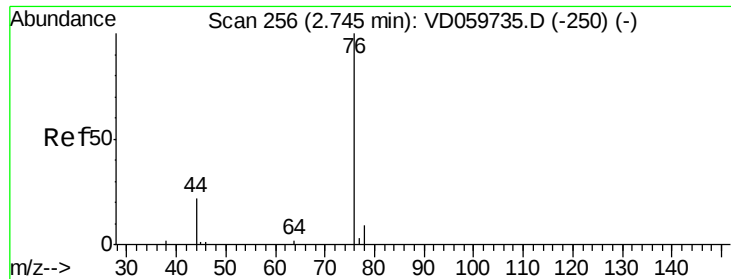
apatel
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#16
 Acetone
 Concen: 408.08 ug/l
 RT: 2.60 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VD059736.D
 Acq: 10 Aug 2018 18:38

Tgt Ion:	43	Resp:	154375
Ion Ratio	Lower	Upper	
43	100		
58	17.4	14.6	21.8





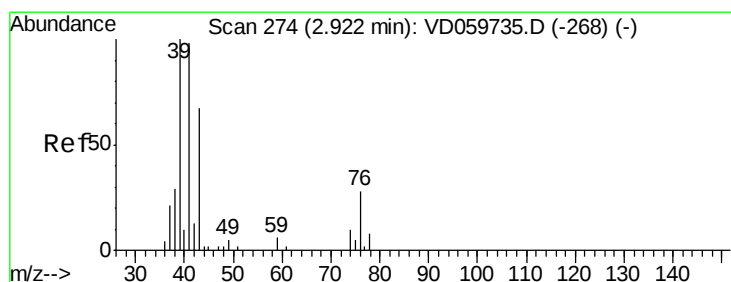
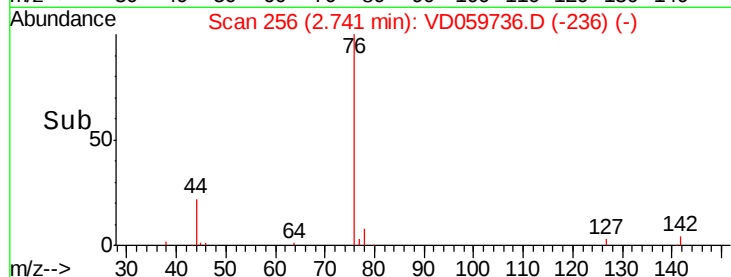
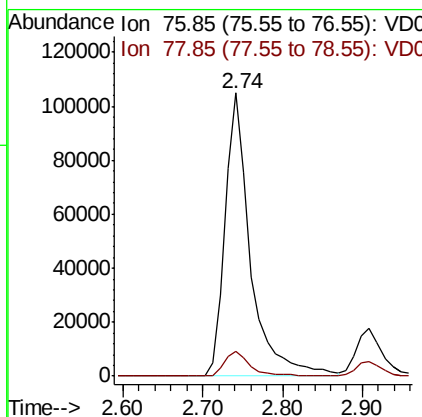
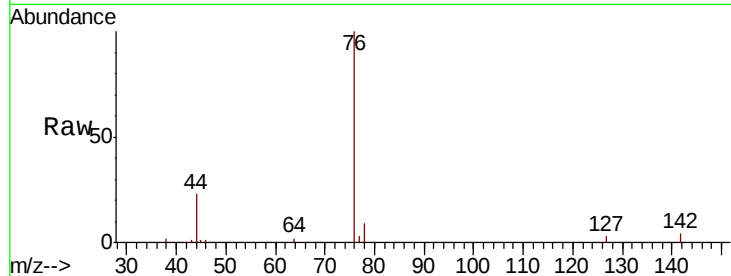
#17
Carbon Disulfide
Concen: 86.31 ug/l
RT: 2.74 min Scan# 256
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

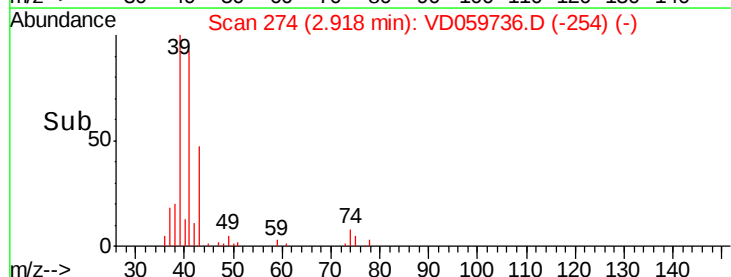
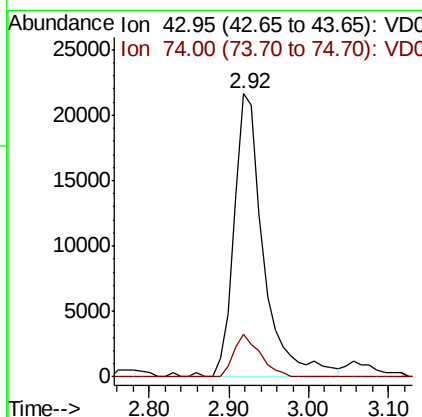
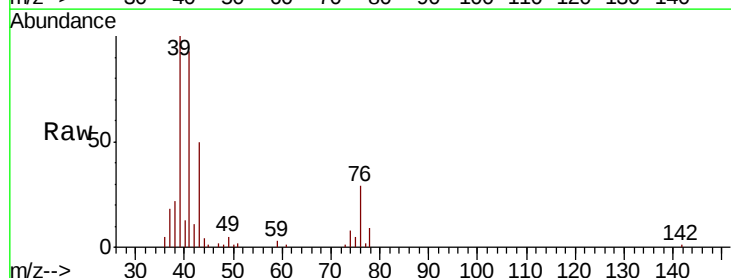
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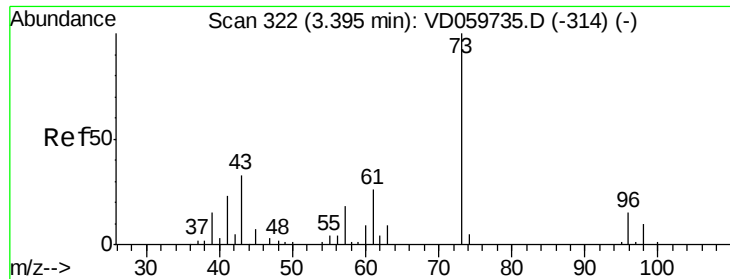
apatel
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#18
Methyl Acetate
Concen: 79.04 ug/l
RT: 2.92 min Scan# 274
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.2	12.1	18.1





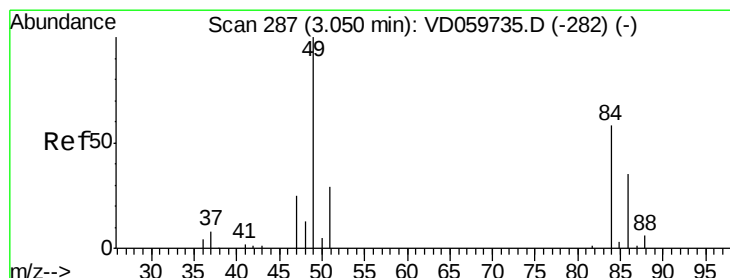
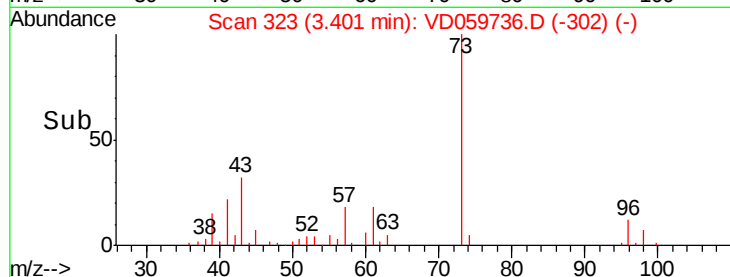
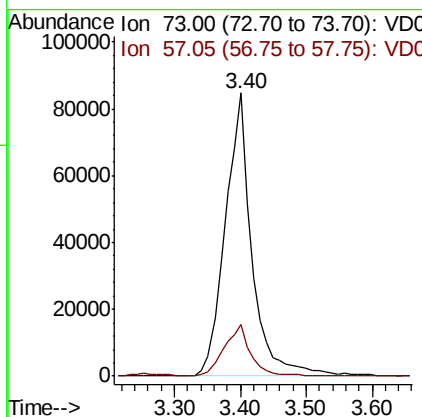
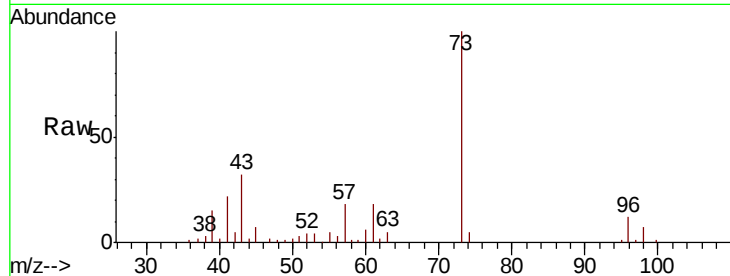
#19
Methvl tert-butvl Ether
Concen: 81.30 ug/l
RT: 3.40 min Scan# 323
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.1	14.8	22.2

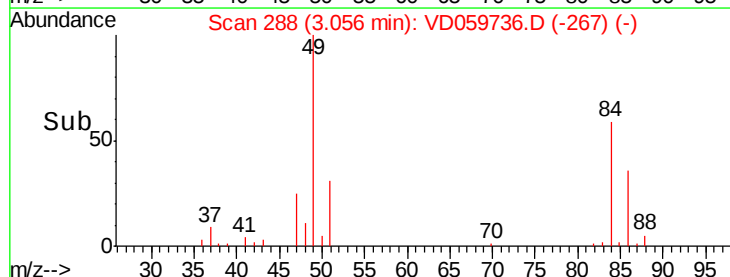
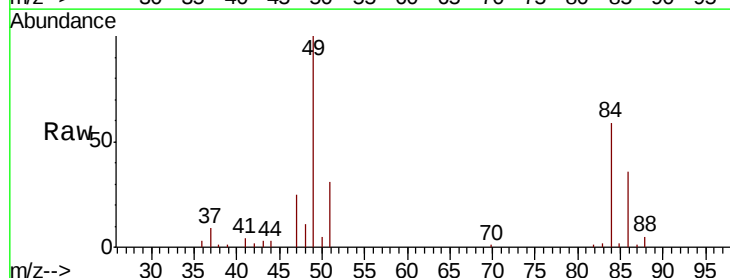
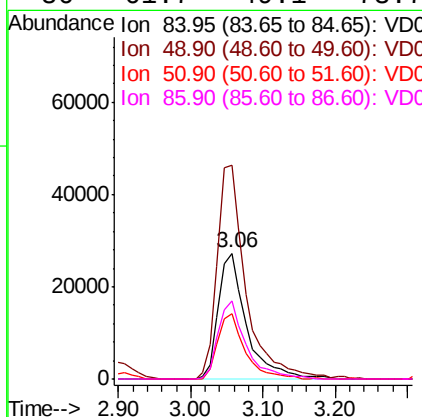
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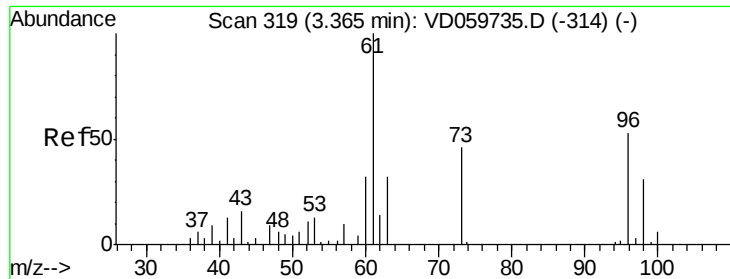
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#20
Methylene Chloride
Concen: 50.44 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	169.9	138.9	208.3
51	52.0	40.2	60.2
86	61.7	49.1	73.7





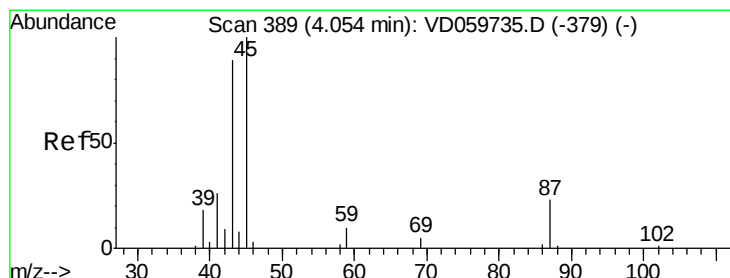
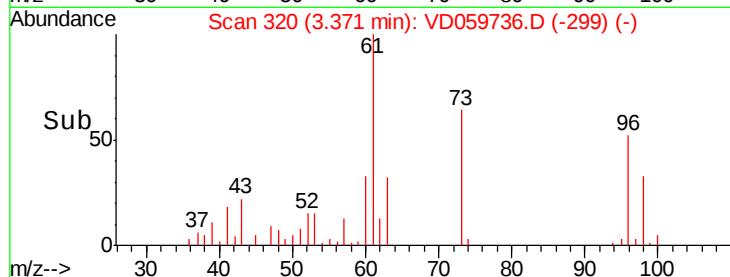
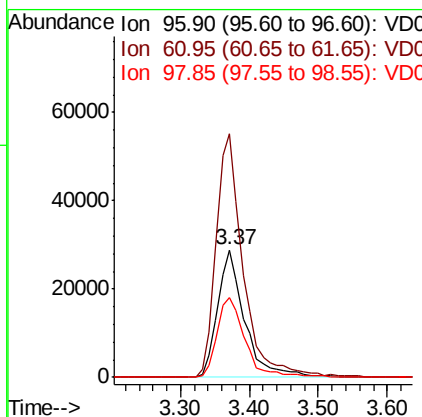
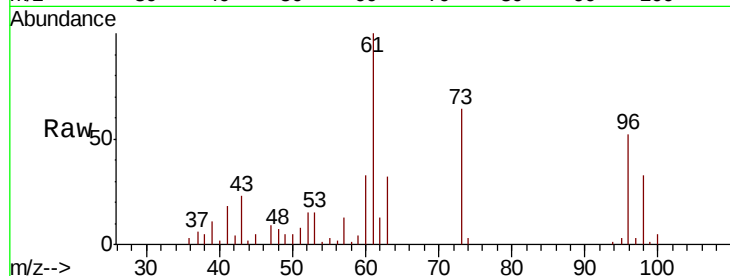
#21
trans-1,2-Dichloroethene
Concen: 79.29 ug/l
RT: 3.37 min Scan# 320
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
96	100		
61	190.7	152.0	228.0
98	62.8	47.4	71.2

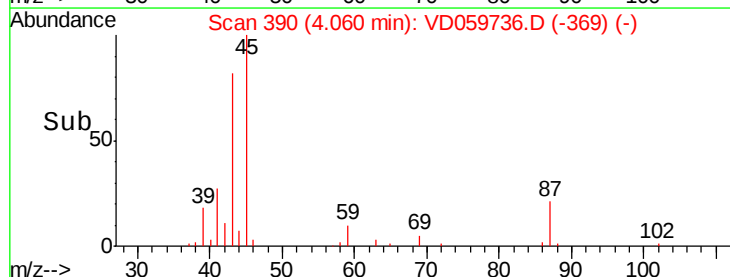
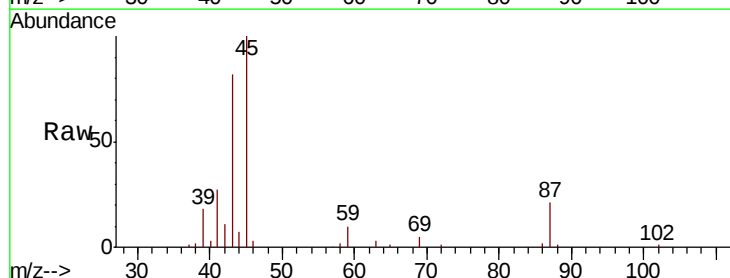
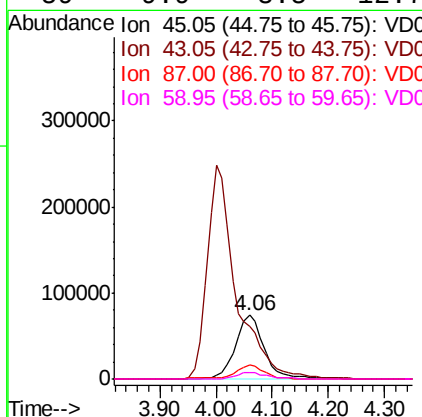
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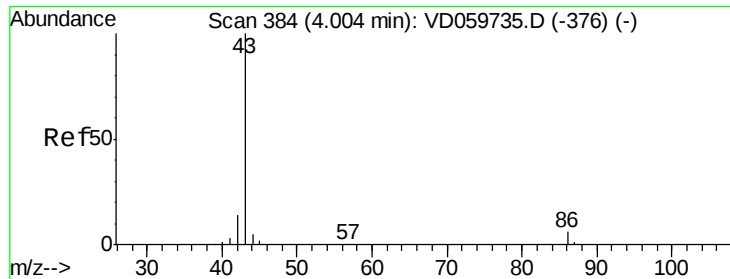
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#22
Diisopropyl ether
Concen: 66.82 ug/l
RT: 4.06 min Scan# 390
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	82.0	75.5	113.3
87	21.3	19.4	29.0
59	9.9	8.5	12.7





#23

Vinyl Acetate

Concen: 350.03 ug/l

RT: 4.00 min Scan# 384

Delta R.T. -0.00 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC075

Tot Ion: 43 Resp: 898489

Ion Ratio Lower Upper

43 100

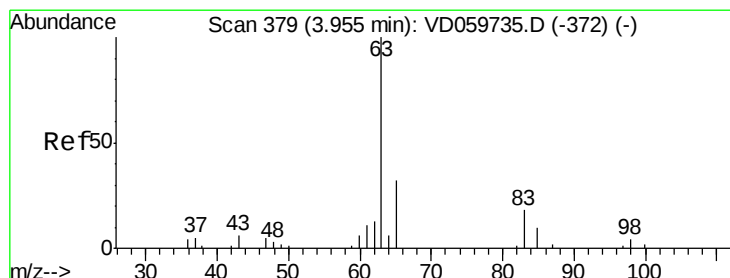
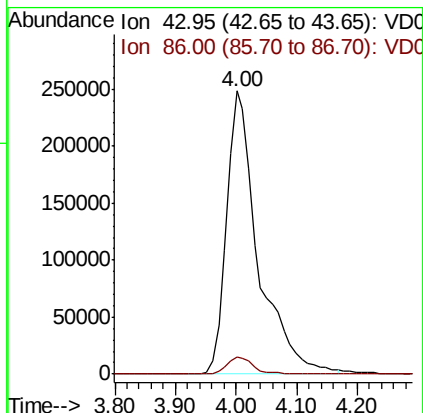
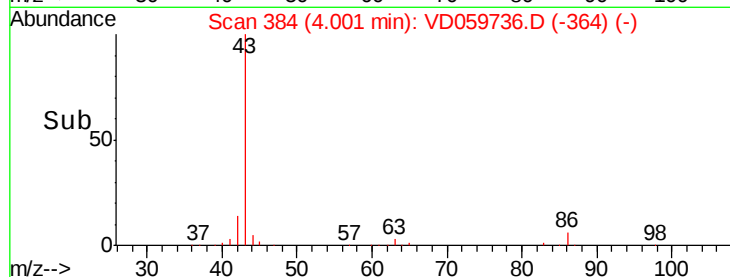
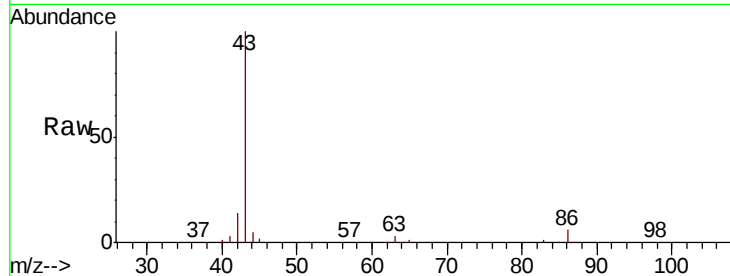
86 5.9 5.0 7.4

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#24

1,1-Dichloroethane

Concen: 72.53 ug/l

RT: 3.96 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

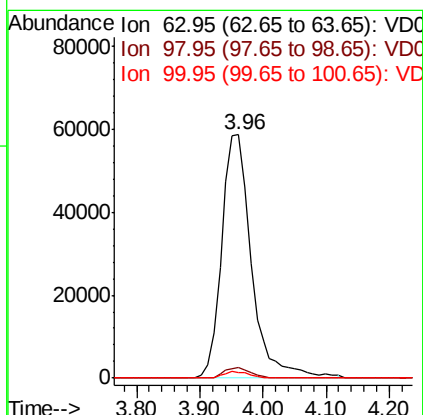
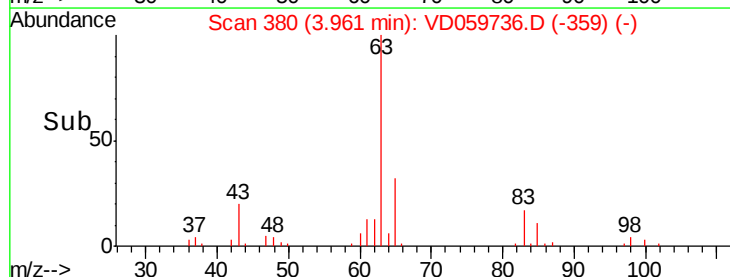
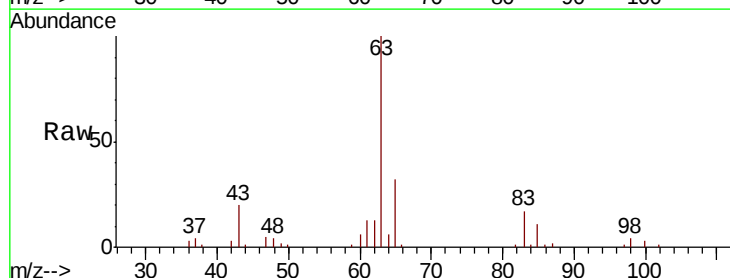
Tgt Ion: 63 Resp: 193070

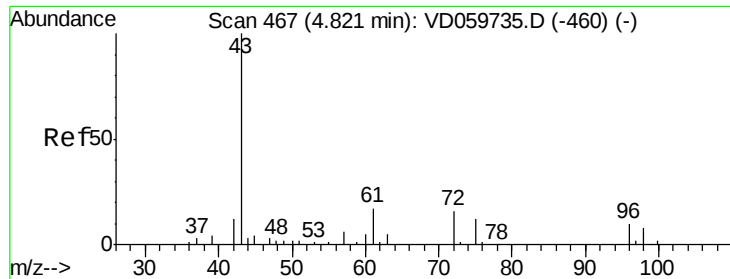
Ion Ratio Lower Upper

63 100

98 4.3 1.8 5.5

100 2.5 1.1 3.1





#25

2-Butanone

Concen: 344.79 ug/l

RT: 4.83 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 164577

Ion Ratio Lower Upper

43 100

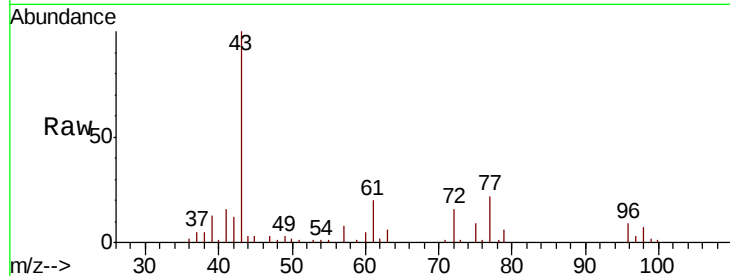
72 16.2 13.1 19.7

Manual Integrations

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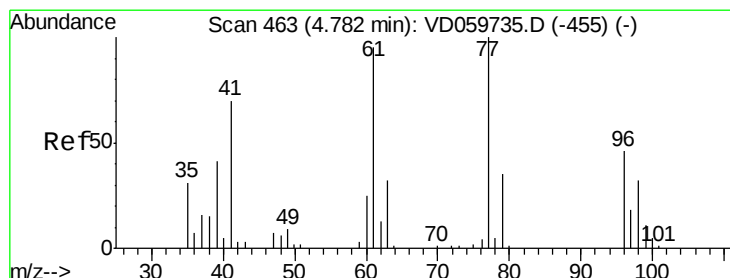
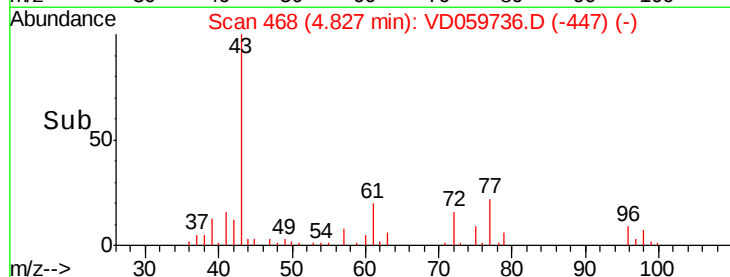
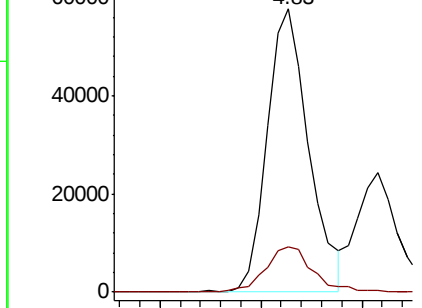
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 79.13 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.01 min

Lab File: VD059736.D

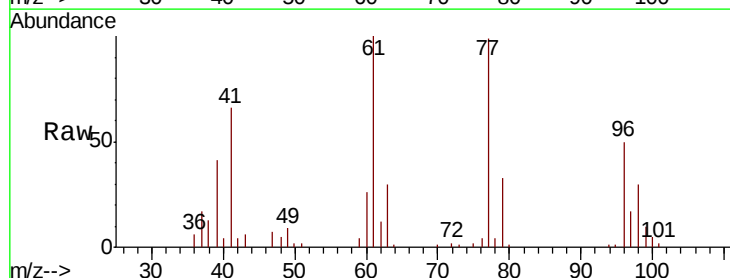
Acq: 10 Aug 2018 18:38

Tgt Ion: 77 Resp: 228024

Ion Ratio Lower Upper

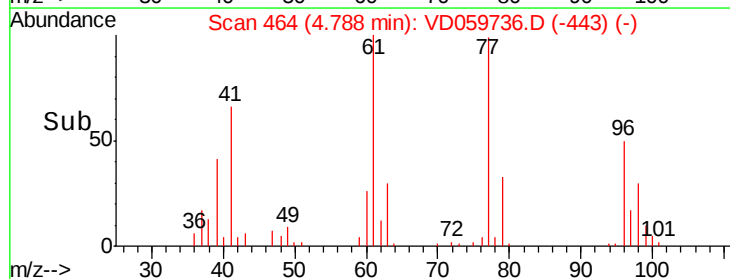
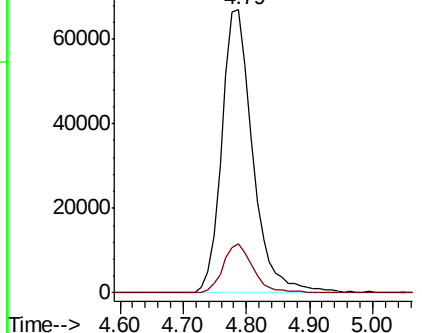
77 100

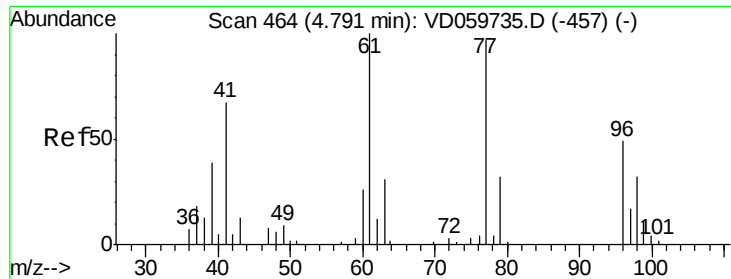
97 17.6 8.9 26.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

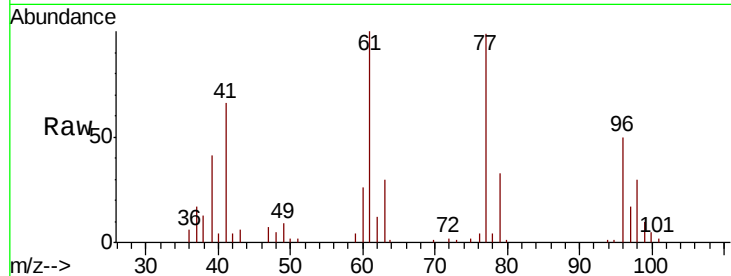
cis-1,2-Dichloroethene
Concen: 70.20 ug/l
RT: 4.79 min Scan# 464
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

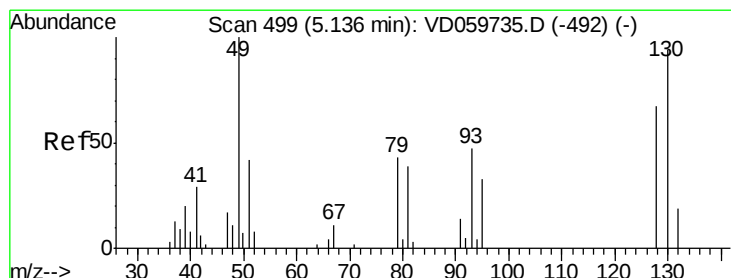
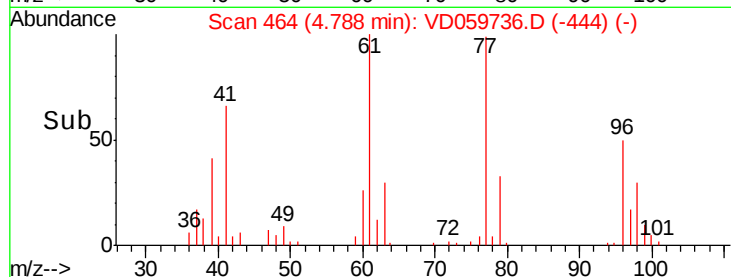
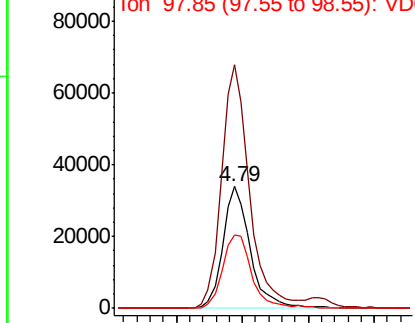
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	199.7	0.0	409.8	
98	60.3	0.0	132.8	

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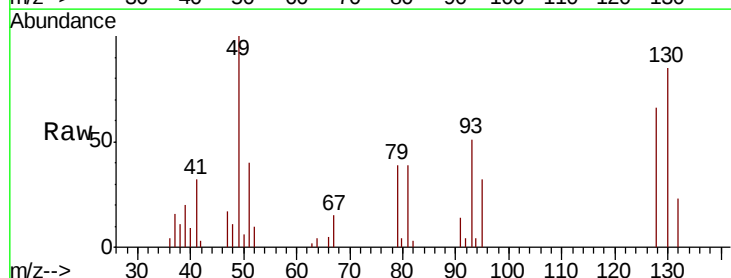
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



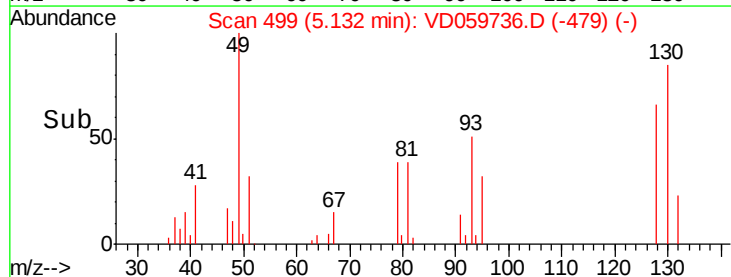
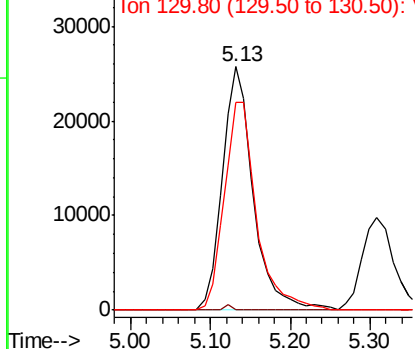
#28

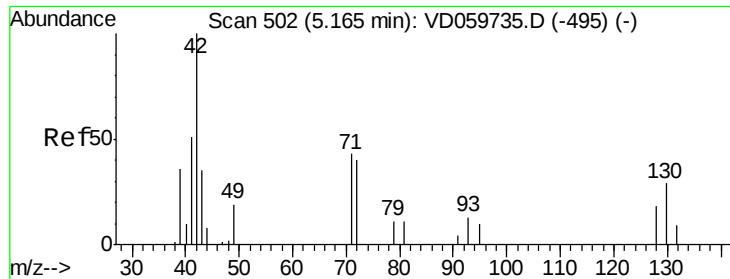
Bromochloromethane
Concen: 69.90 ug/l
RT: 5.13 min Scan# 499
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	0.0	
130	85.4	75.0	112.6	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





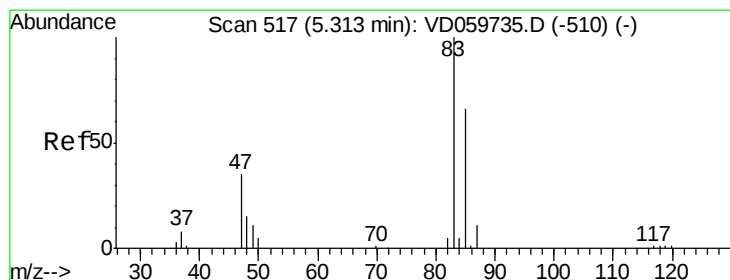
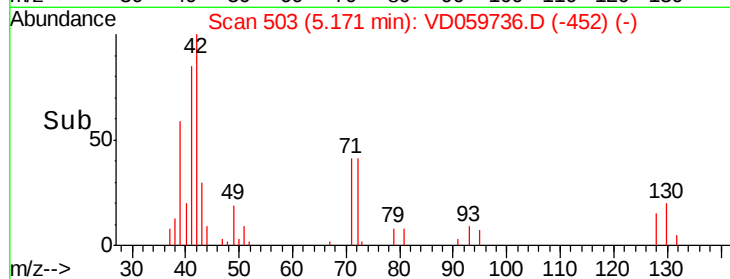
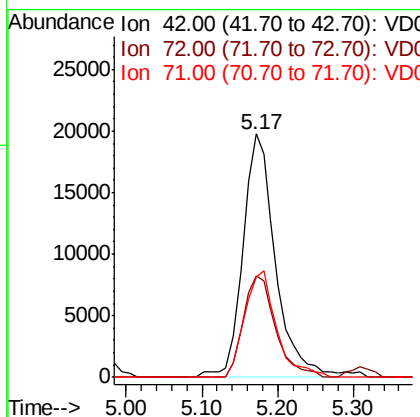
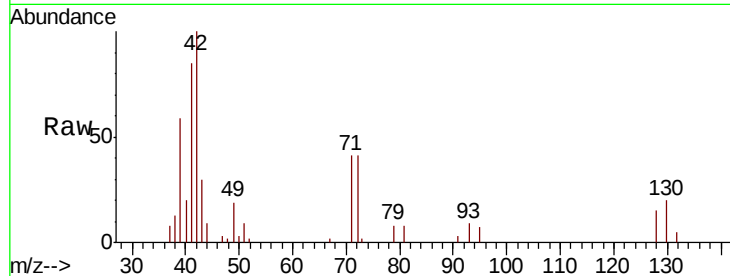
#29
Tetrahydrofuran
Concen: 315.70 ug/l
RT: 5.17 min Scan# 503
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	35.3	52.9
71	42.8	37.1	55.7

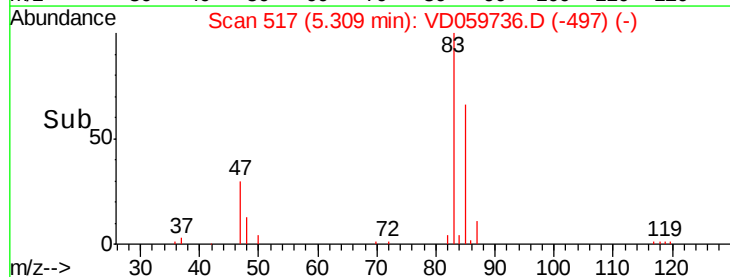
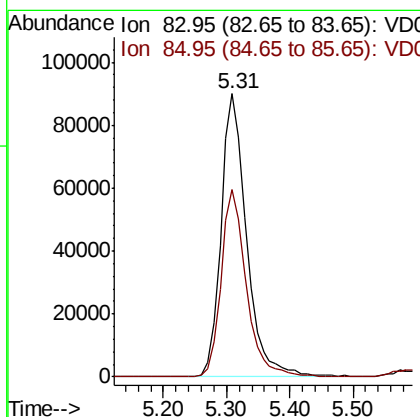
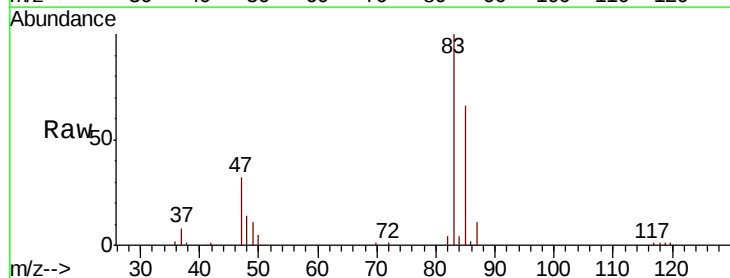
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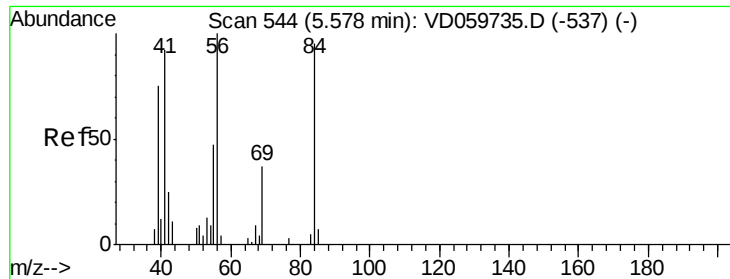
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#30
Chloroform
Concen: 76.36 ug/l
RT: 5.31 min Scan# 517
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.9	79.3





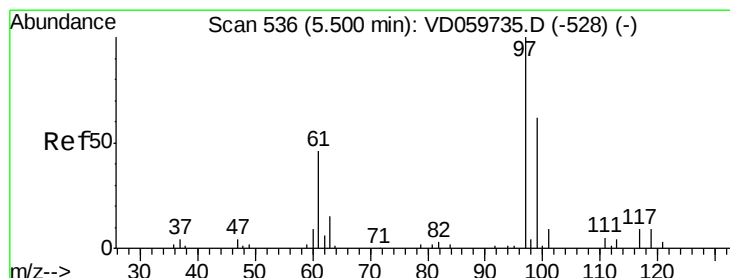
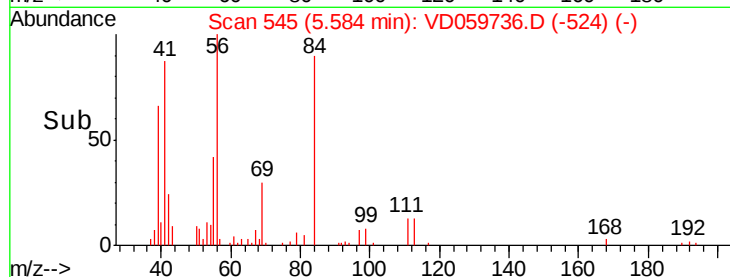
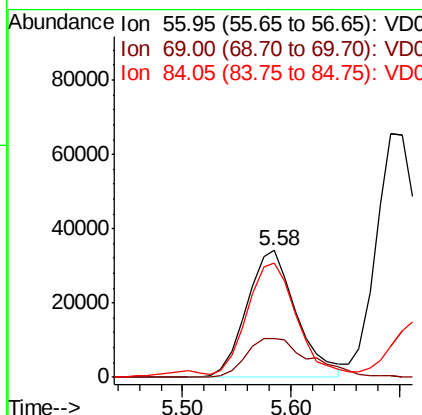
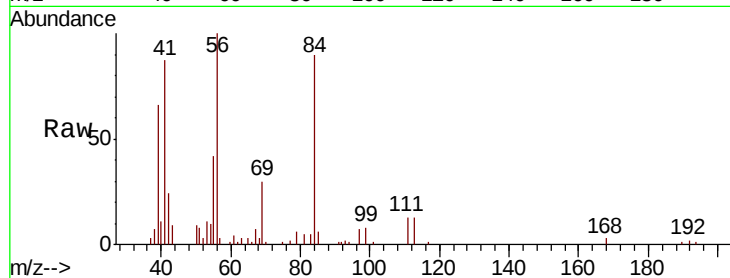
#31
Cyclohexane
Concen: 56.32 ug/l
RT: 5.58 min Scan# 545
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	29.3	43.9
84	89.9	76.2	114.2

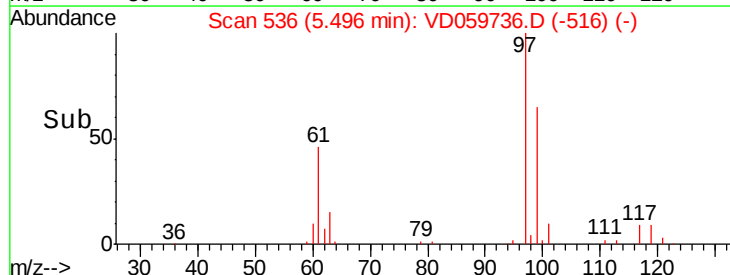
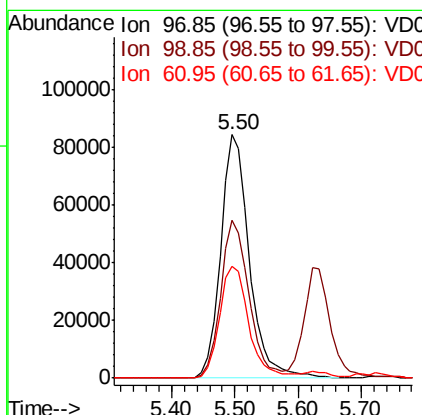
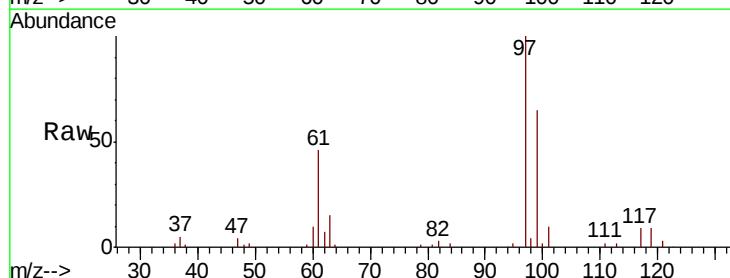
Manual Integrations
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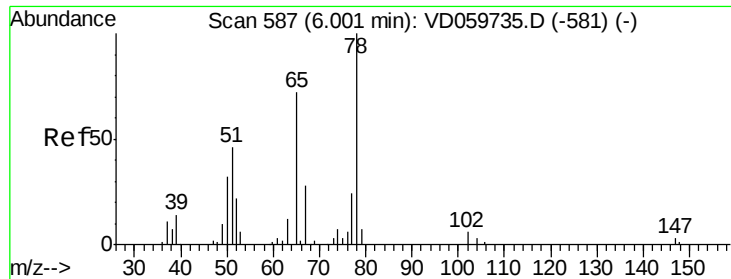
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#32
1,1,1-Trichloroethane
Concen: 81.88 ug/l
RT: 5.50 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	49.8	74.6
61	46.1	37.0	55.4





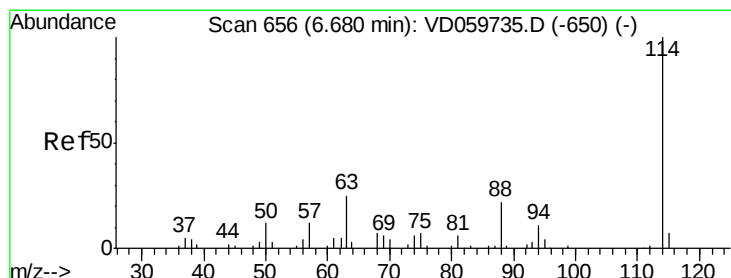
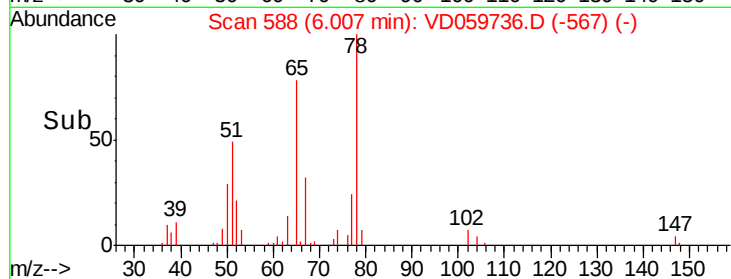
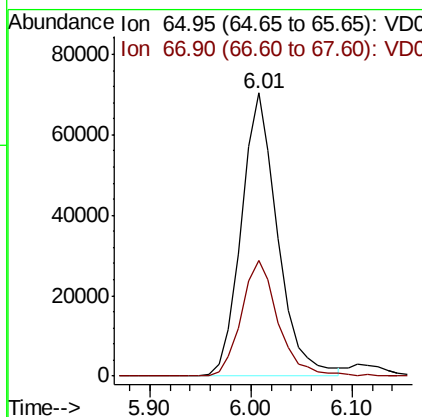
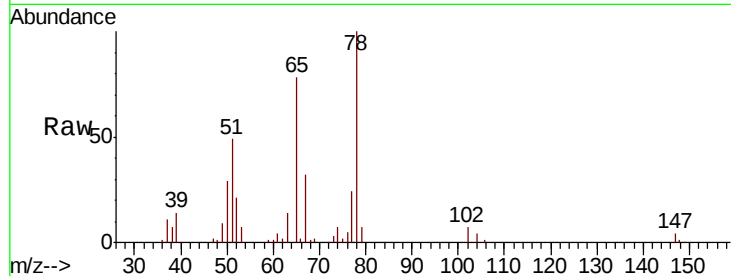
#33
 1,2-Dichloroethane-d4
 Concen: 81.88 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD059736.D
 Acq: 10 Aug 2018 18:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
65	100	176051		
67	40.7	0.0	77.4	

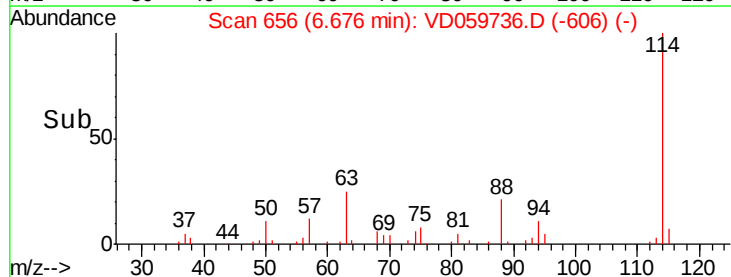
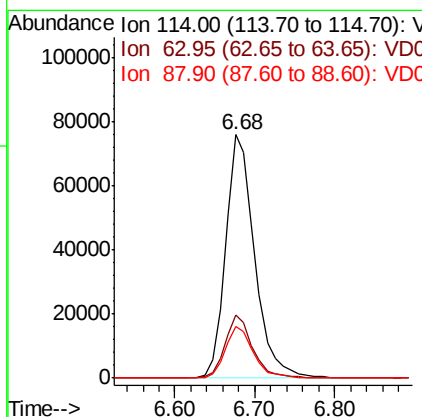
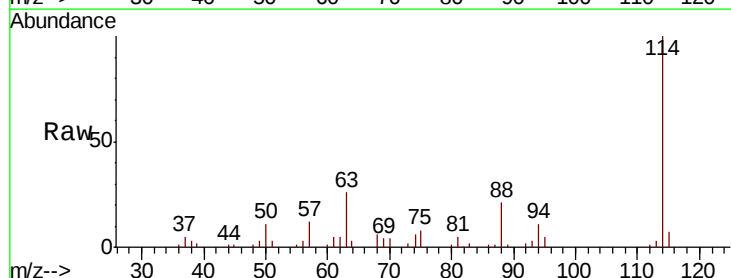
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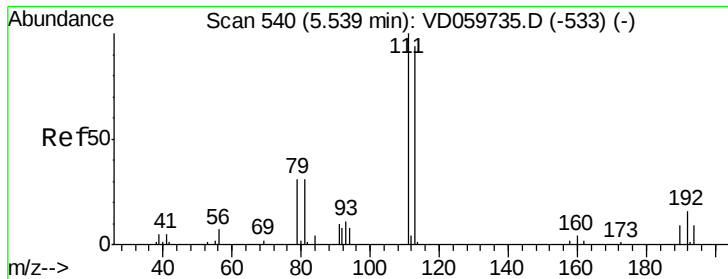
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VD059736.D
 Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	192627		
63	25.8	0.0	50.6	
88	21.2	0.0	43.4	





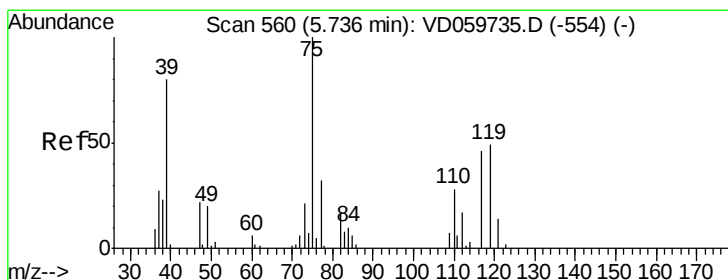
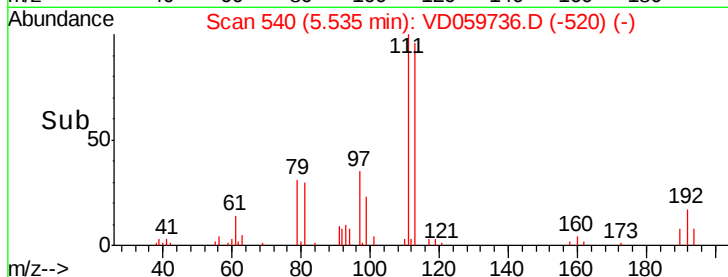
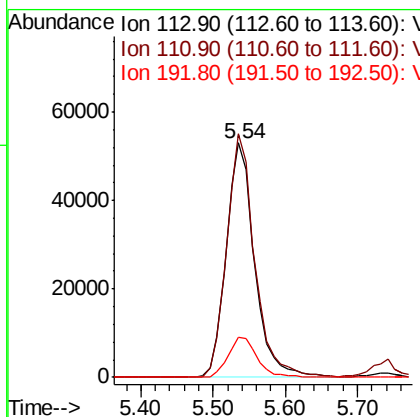
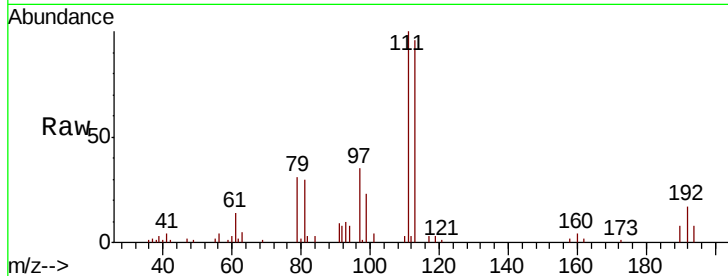
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.00 min
 Lab File: VD059736.D
 Acq: 10 Aug 2018 18:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
113	100	144270		
111	104.0	85.3	127.9	
192	17.2	13.9	20.9	

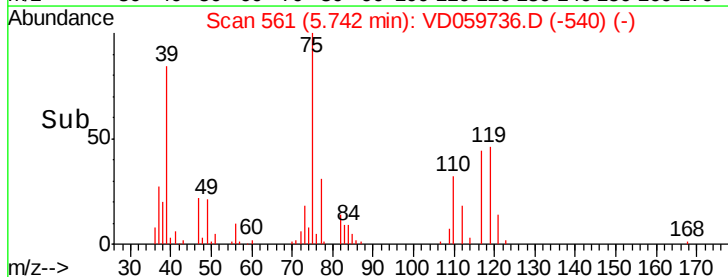
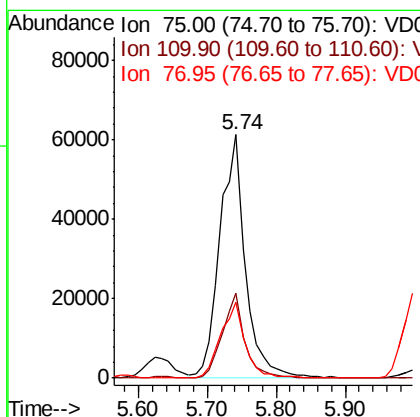
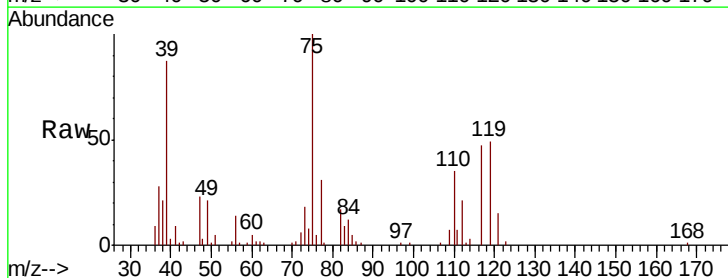
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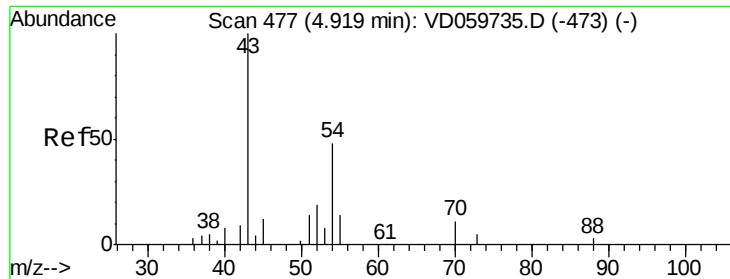
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#36
 1,1-Dichloropropene
 Concen: 73.45 ug/l
 RT: 5.74 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: VD059736.D
 Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	157485		
110	34.7	13.7	41.0	
77	31.1	25.4	38.2	





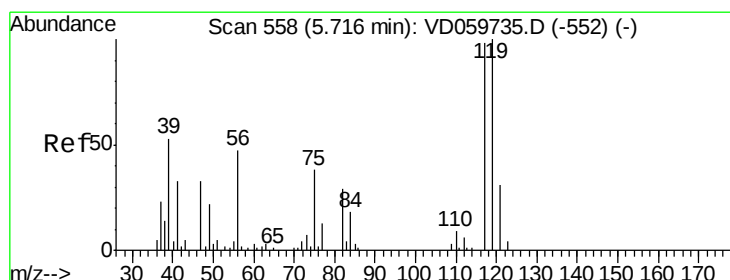
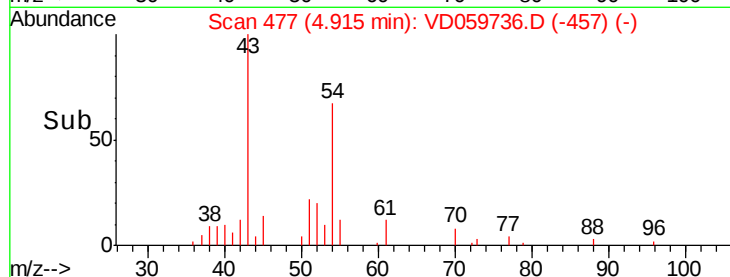
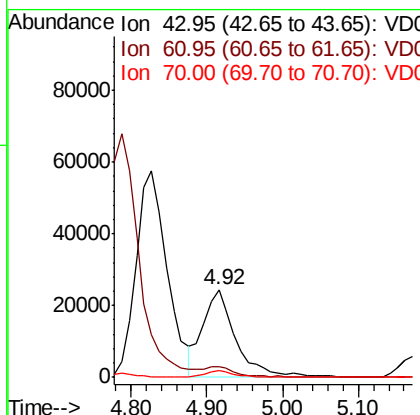
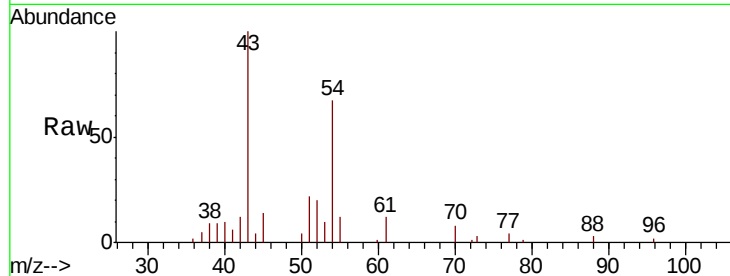
#37
Ethyl Acetate
Concen: 71.32 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	7.4	11.0#
70	8.3	5.8	8.8

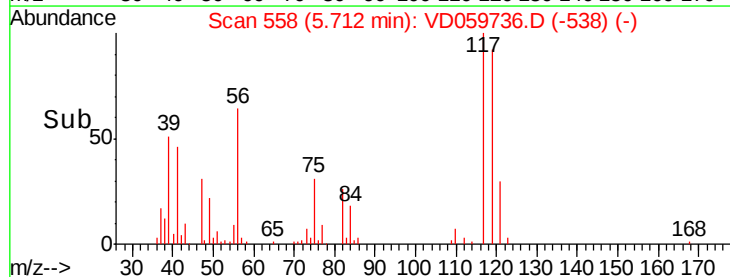
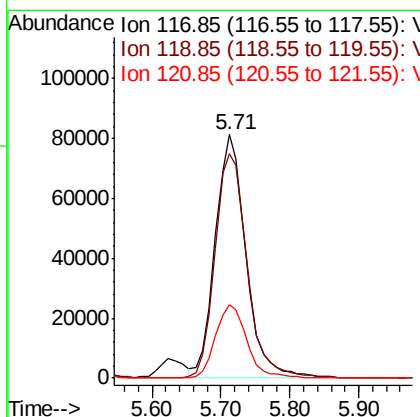
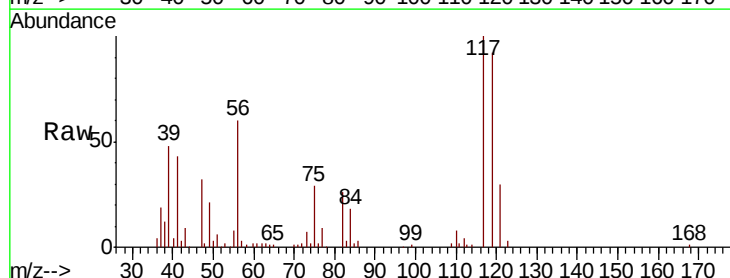
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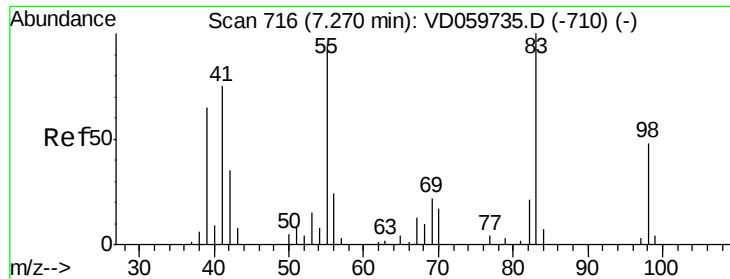
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#38
Carbon Tetrachloride
Concen: 84.94 ug/l
RT: 5.71 min Scan# 558
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.0	78.2	117.2
121	30.2	23.9	35.9





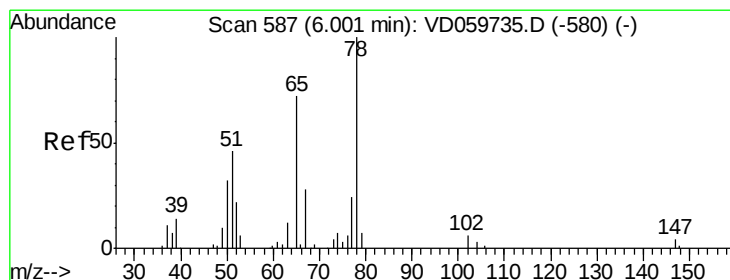
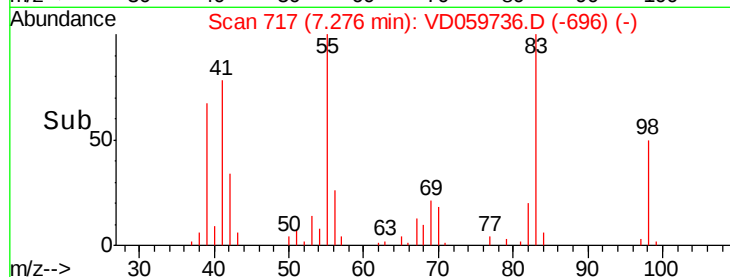
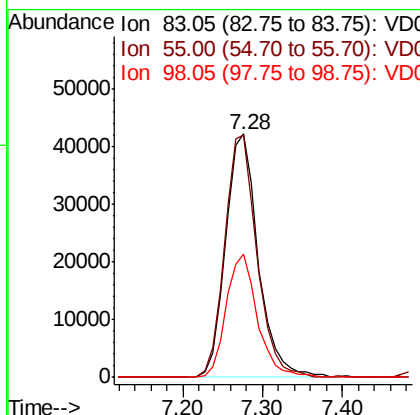
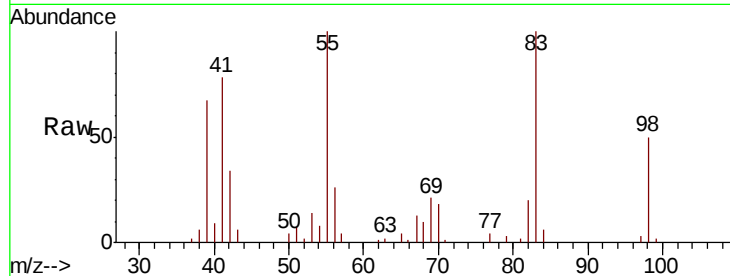
#39
Methylcyclohexane
Concen: 68.11 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	83	Resp	120645
Ion Ratio	100	Lower	Upper
83	100		
55	99.8	75.1	112.7
98	50.4	38.7	58.1

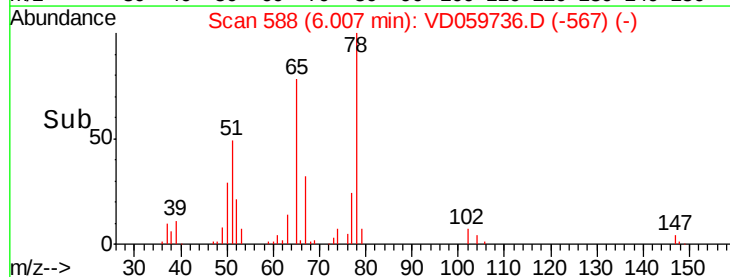
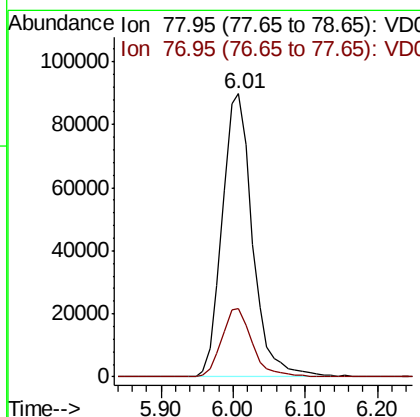
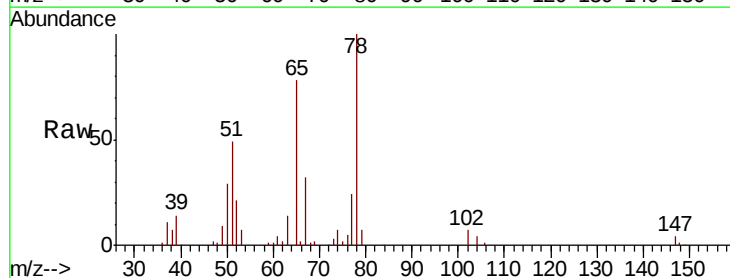
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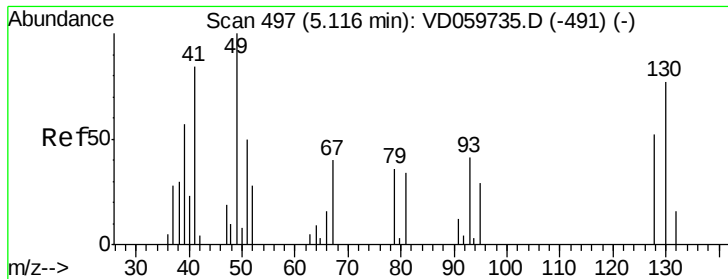
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#40
Benzene
Concen: 64.06 ug/l
RT: 6.01 min Scan# 588
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion	78	Resp	261885
Ion Ratio	100	Lower	Upper
78	100		
77	24.3	19.4	29.0





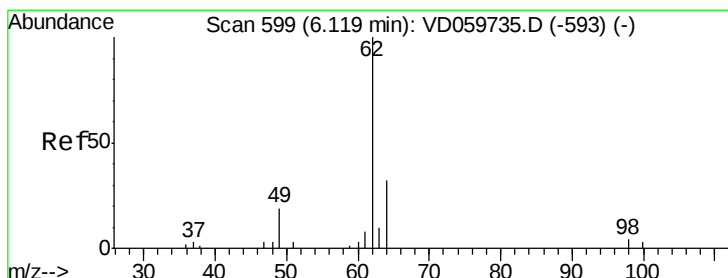
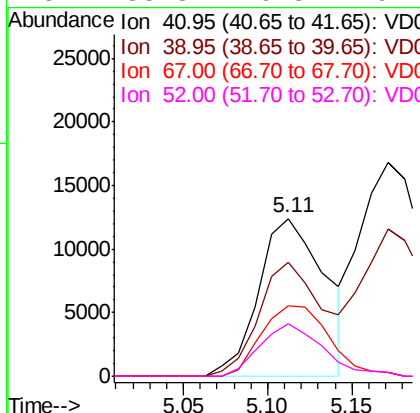
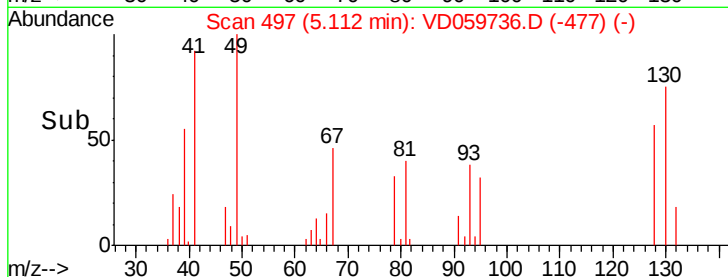
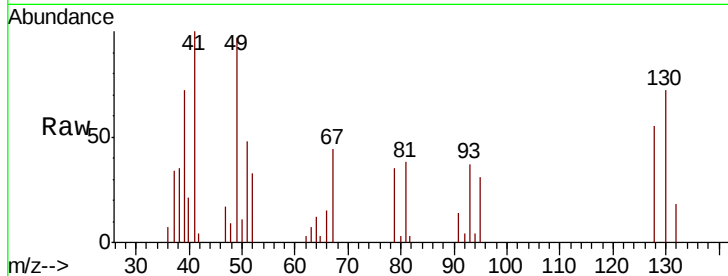
#41
Methacrylonitrile
Concen: 71.28 ug/l
RT: 5.11 min Scan# 497
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC075

Tot Ion:	41	Resp:	33829
Ion	Ratio	Lower	Upper
41	100		
39	71.9	54.3	81.5
67	44.3	38.2	57.2
52	33.3	26.8	40.2

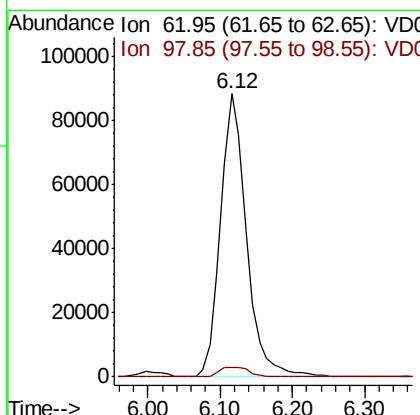
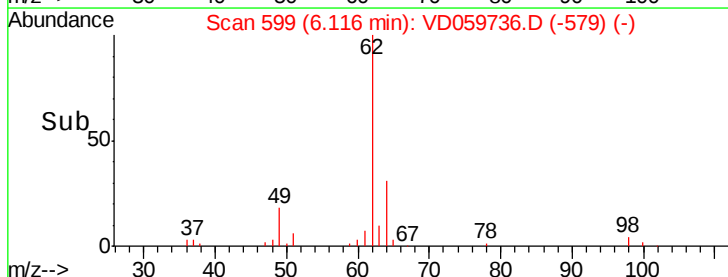
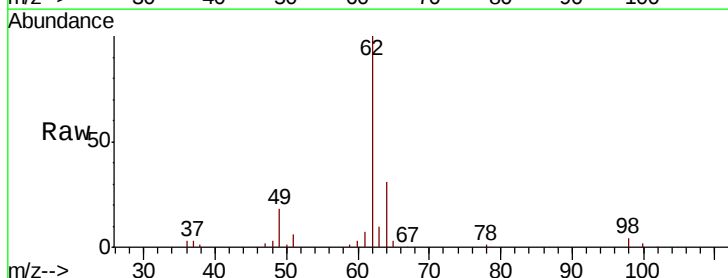
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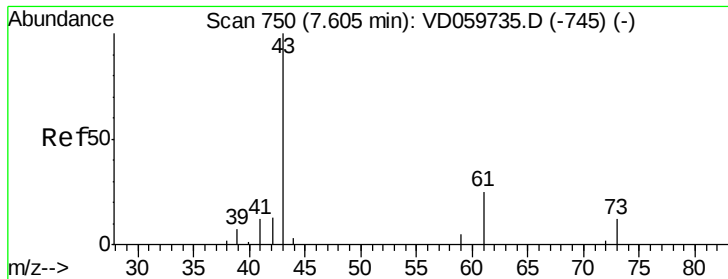
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#42
1,2-Dichloroethane
Concen: 82.68 ug/l
RT: 6.12 min Scan# 599
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion:	62	Resp:	220034
Ion	Ratio	Lower	Upper
62	100		
98	3.5	0.0	8.2





#43

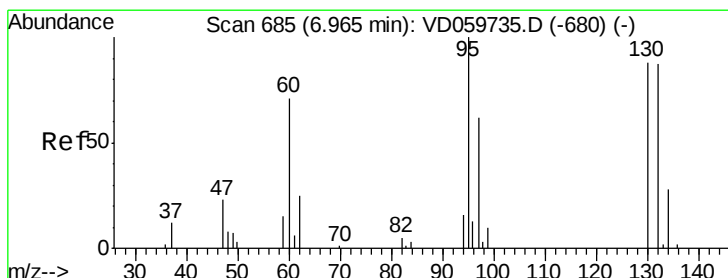
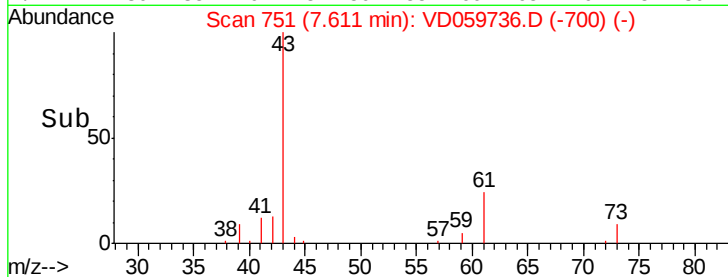
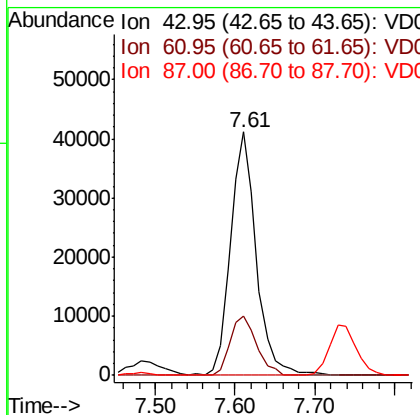
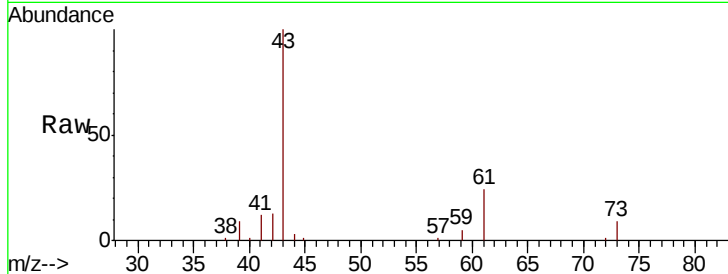
Isopropyl Acetate
 Concen: 69.06 ug/l
 RT: 7.61 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD059736.D
 Acq: 10 Aug 2018 18:38

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.5	19.8	29.8
87	0.0	0.0	0.0

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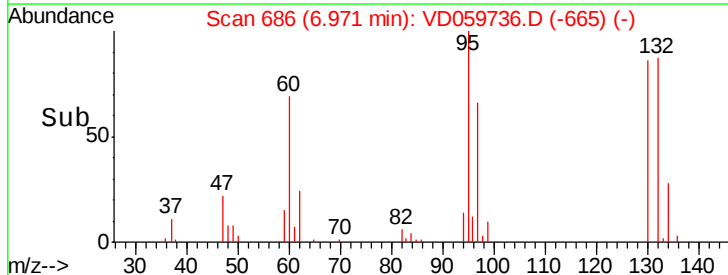
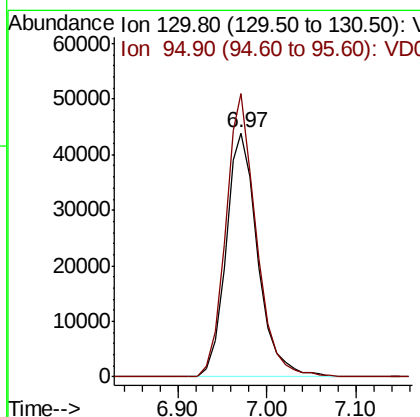
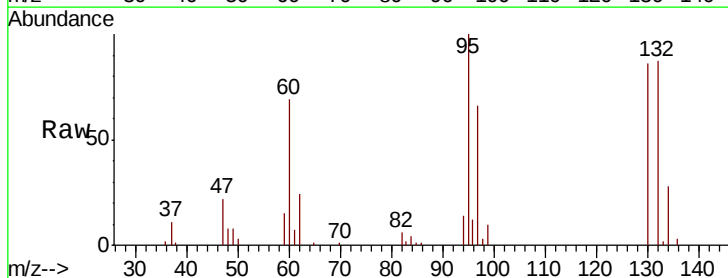
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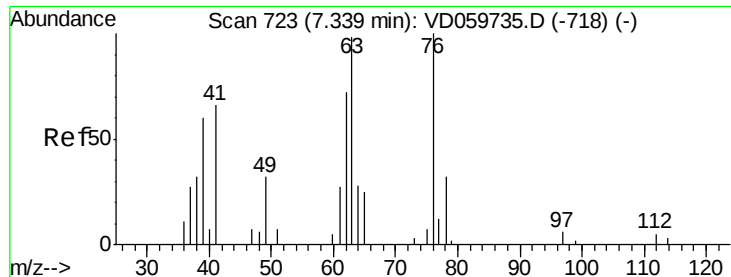


#44

Trichloroethene
 Concen: 71.67 ug/l
 RT: 6.97 min Scan# 686
 Delta R.T. 0.01 min
 Lab File: VD059736.D
 Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	116.1	0.0	226.4





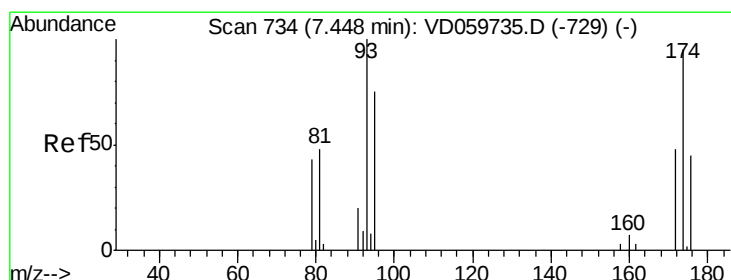
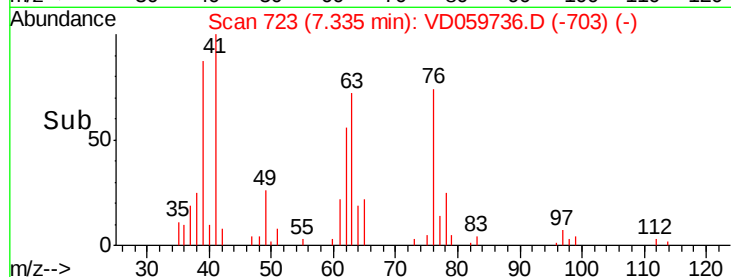
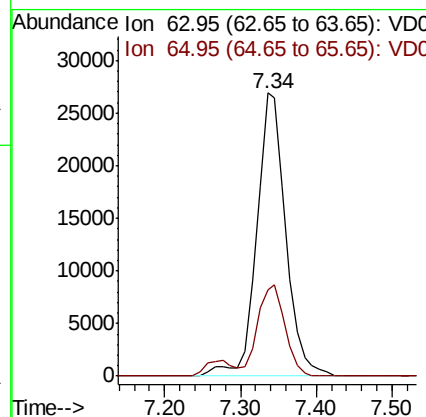
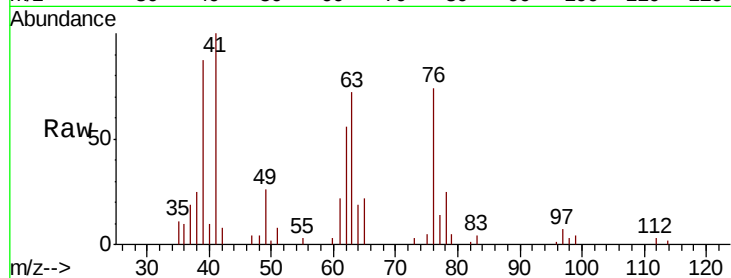
#45
 1,2-Dichloropropane
 Concen: 66.64 ug/l
 RT: 7.34 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD059736.D
 Acq: 10 Aug 2018 18:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 63 Resp: 71842
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.0 34.4

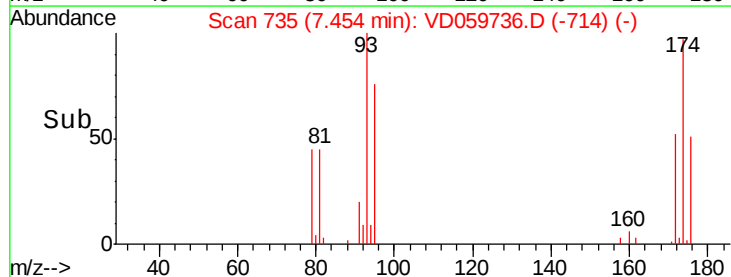
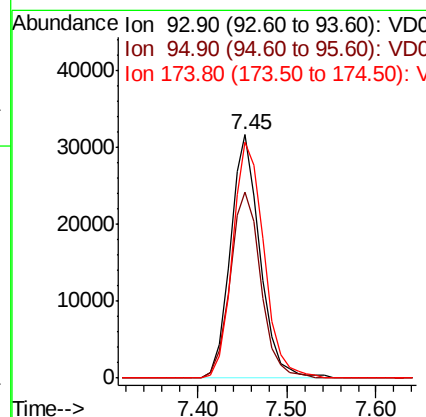
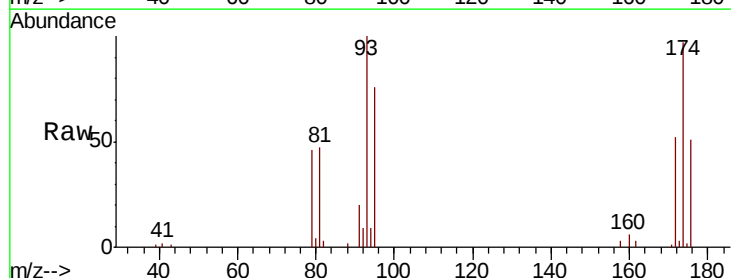
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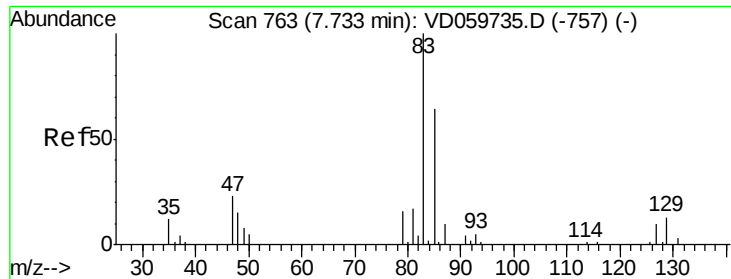
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#46
 Dibromomethane
 Concen: 76.03 ug/l
 RT: 7.45 min Scan# 735
 Delta R.T. 0.01 min
 Lab File: VD059736.D
 Acq: 10 Aug 2018 18:38

Tgt Ion: 93 Resp: 73387
 Ion Ratio Lower Upper
 93 100
 95 76.2 60.2 90.2
 174 96.7 75.6 113.4





#47

Bromodichloromethane

Concen: 80.00 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

Instrument :

MSVOA_D

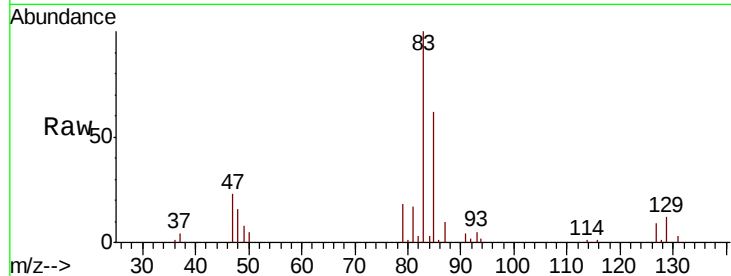
ClientSampleId :

VSTDIC075

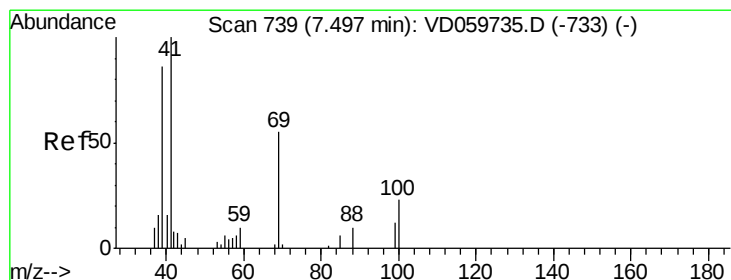
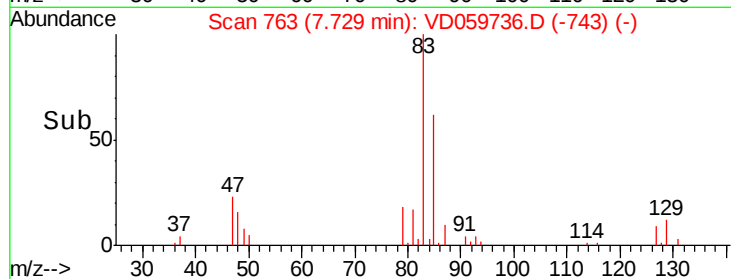
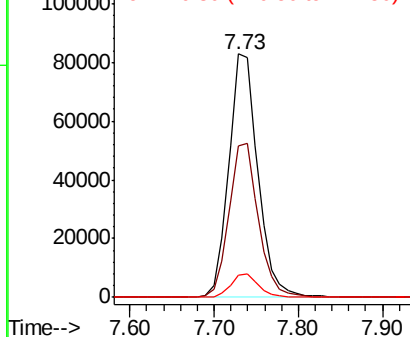
Tot Ion:	83	Resp:	198383
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.6	77.4
127	9.2	7.7	11.5

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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 76.27 ug/l

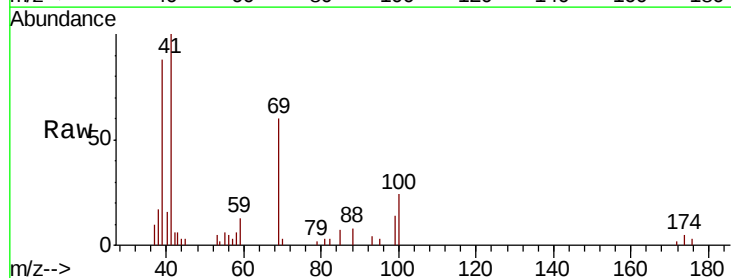
RT: 7.50 min Scan# 740

Delta R.T. 0.01 min

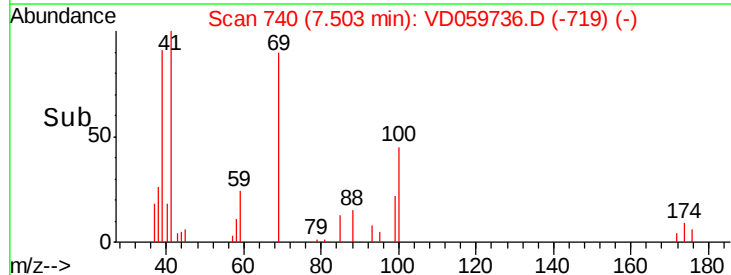
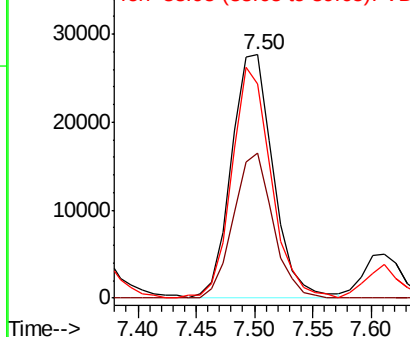
Lab File: VD059736.D

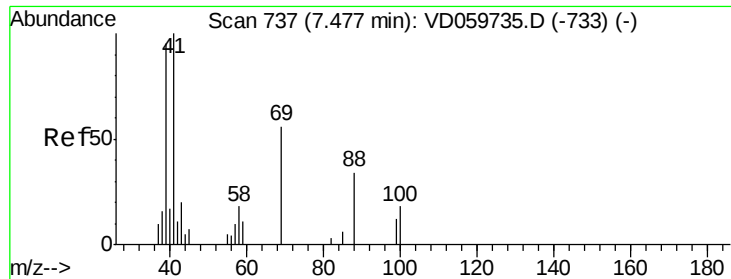
Acq: 10 Aug 2018 18:38

Tgt Ion:	41	Resp:	68946
Ion	Ratio	Lower	Upper
41	100		
69	59.8	43.8	65.6
39	88.0	69.1	103.7



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





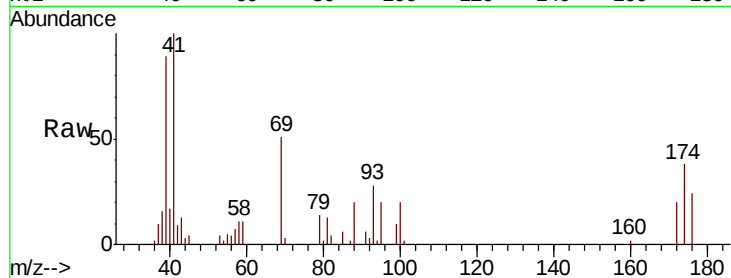
#49
1,4-Dioxane
Concen: 1637.67 ug/l
RT: 7.48 min Scan# 738
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampled :
VSTDIC075

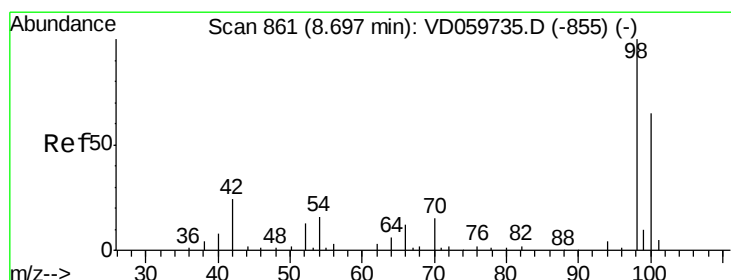
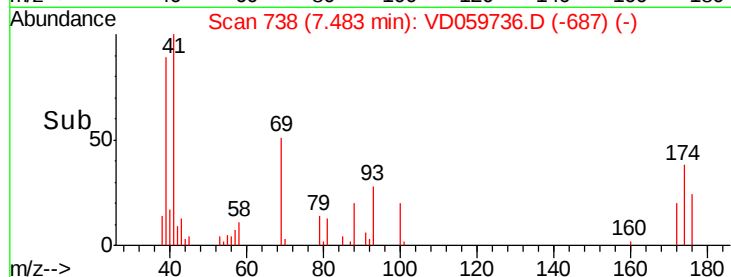
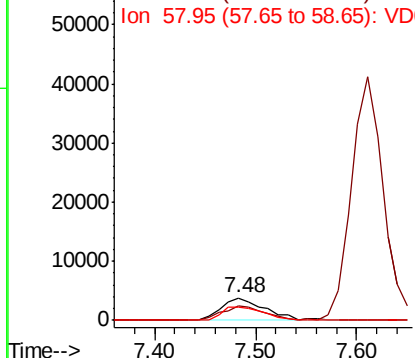
Tot Ion	Ratio	Lower	Upper
88	100		
43	62.5	46.7	70.1
58	57.0	42.1	63.1

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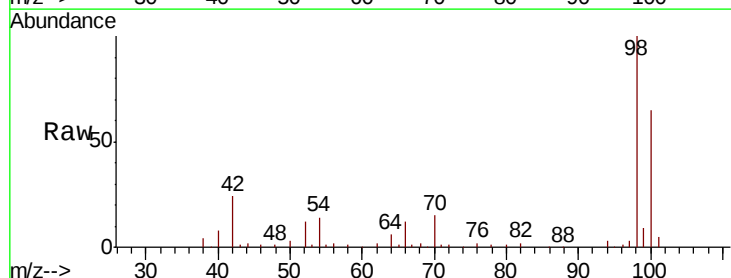


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

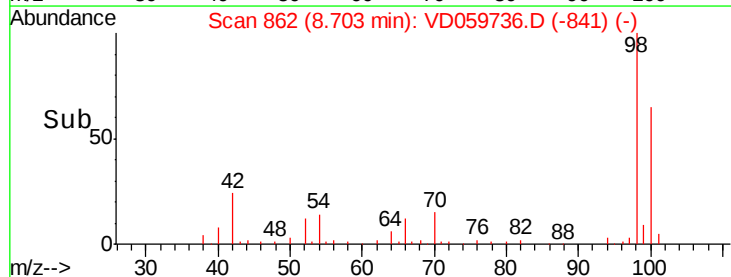
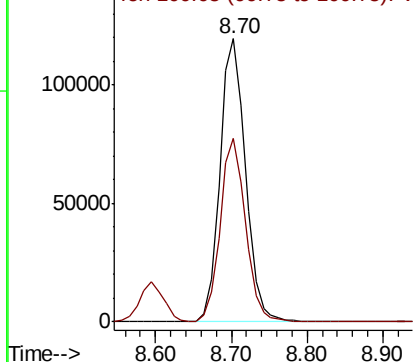


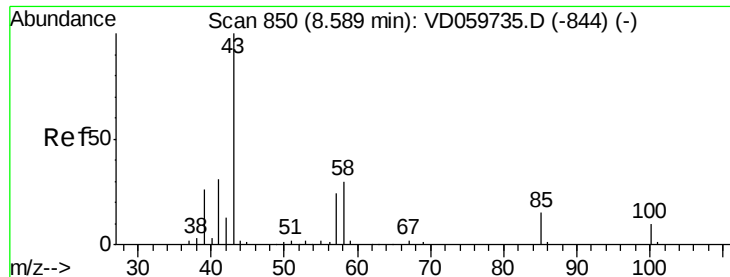
#50
Toluene-d8
Concen: 1637.67 ug/l
RT: 8.70 min Scan# 862
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.2



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: 366.73 ug/l

RT: 8.59 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 363458

Ion Ratio Lower Upper

43 100

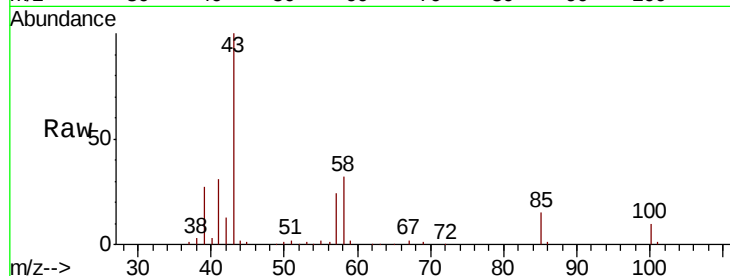
58 31.7 24.3 36.5

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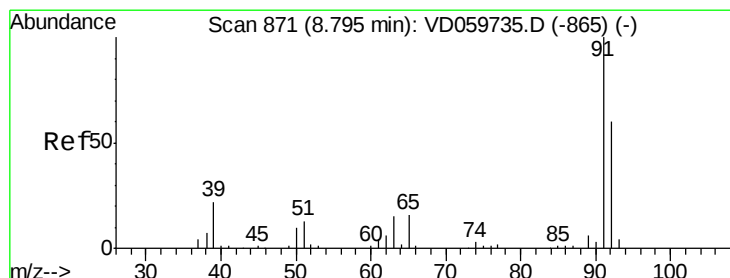
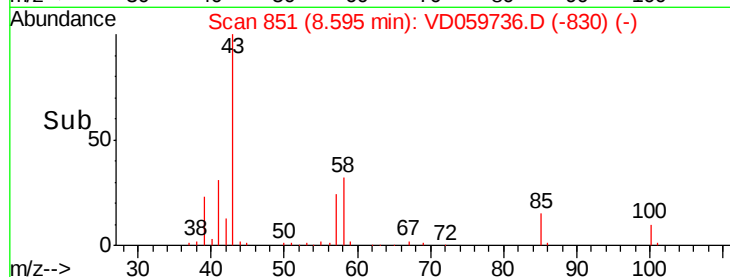
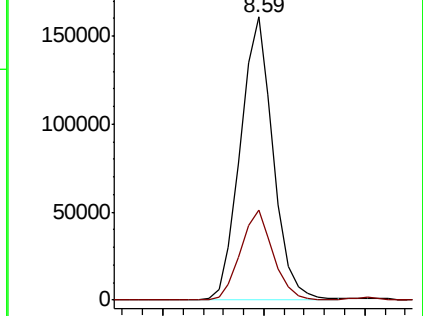
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 67.64 ug/l

RT: 8.79 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD059736.D

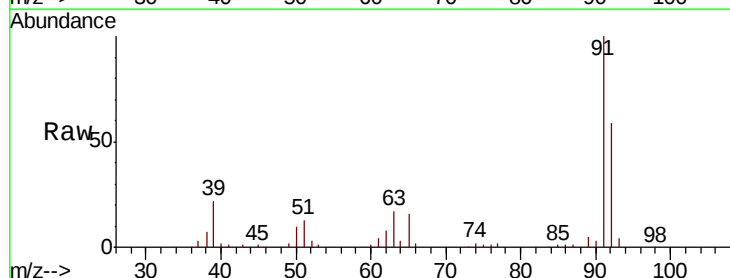
Acq: 10 Aug 2018 18:38

Tgt Ion: 92 Resp: 177187

Ion Ratio Lower Upper

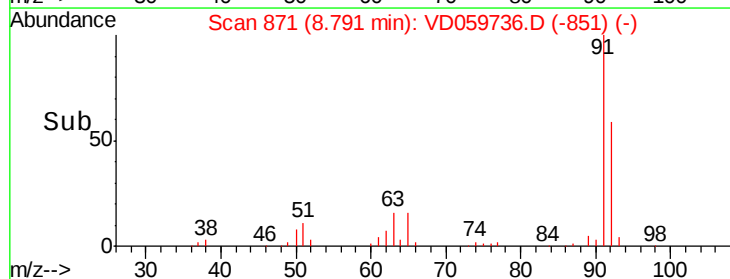
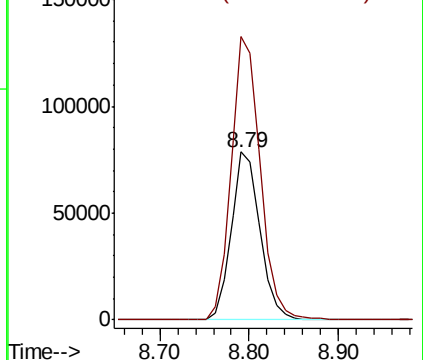
92 100

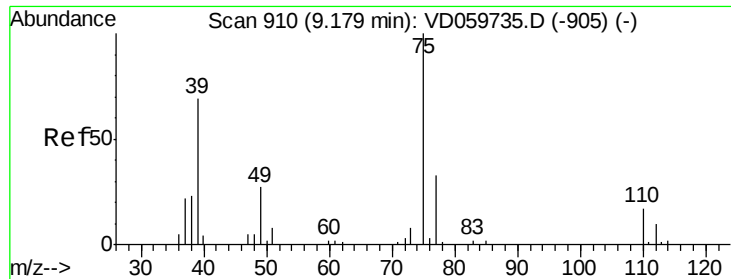
91 168.5 134.4 201.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





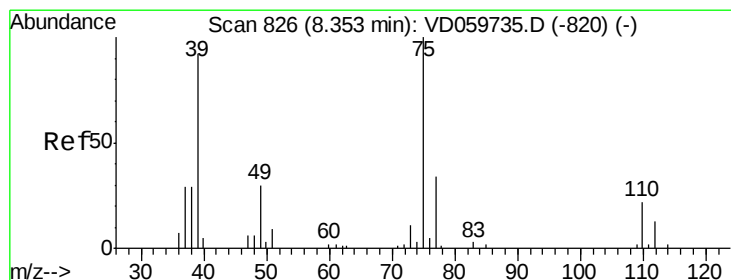
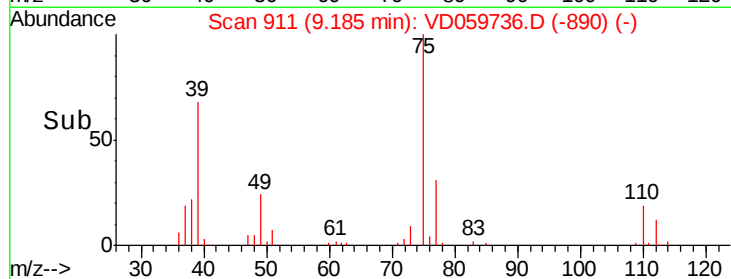
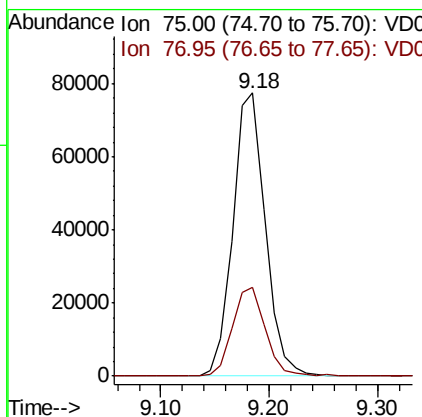
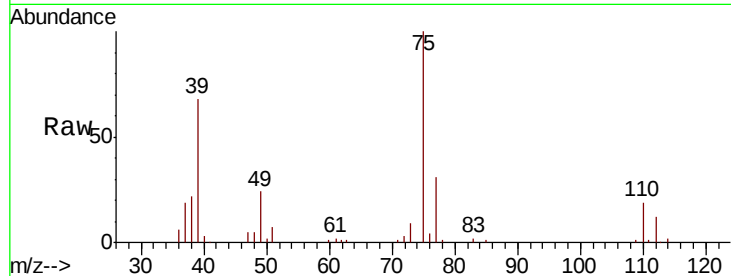
#53
t-1,3-Dichloropropene
Concen: 77.36 ug/l
RT: 9.18 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.2	39.2

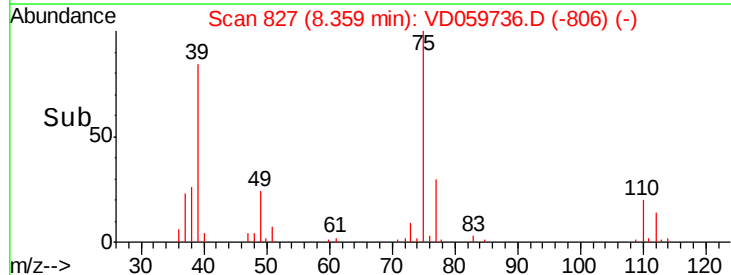
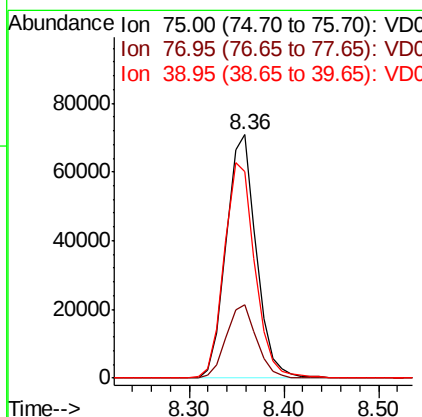
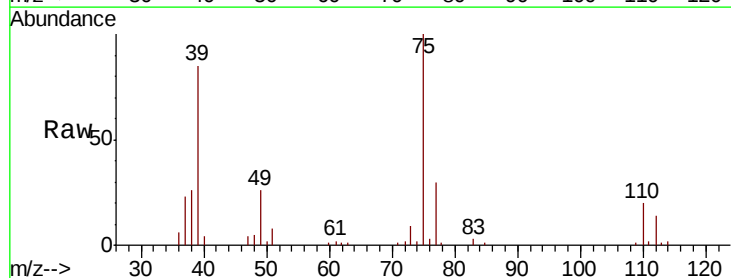
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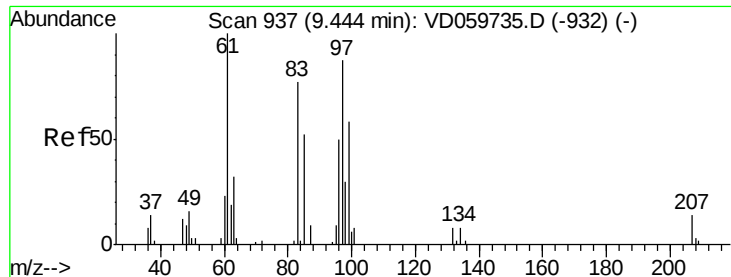
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#54
cis-1,3-Dichloropropene
Concen: 74.09 ug/l
RT: 8.36 min Scan# 827
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.2	27.2	40.8
39	84.7	73.8	110.8





#55

1,1,2-Trichloroethane

Concen: 68.65 ug/l

RT: 9.45 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

Instrument :

MSVOA_D

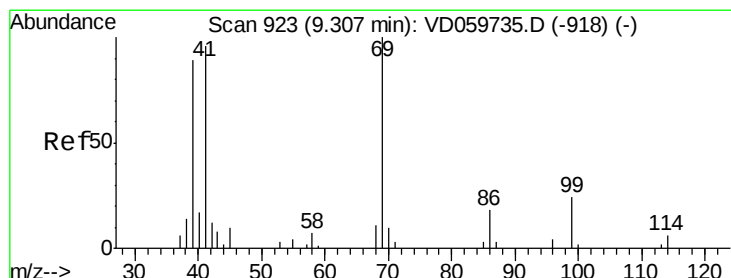
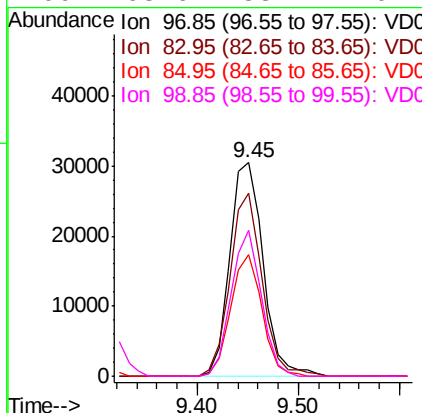
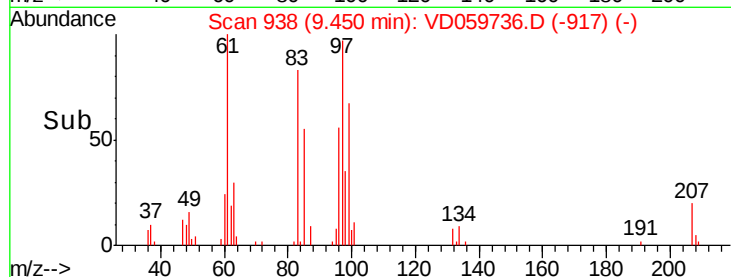
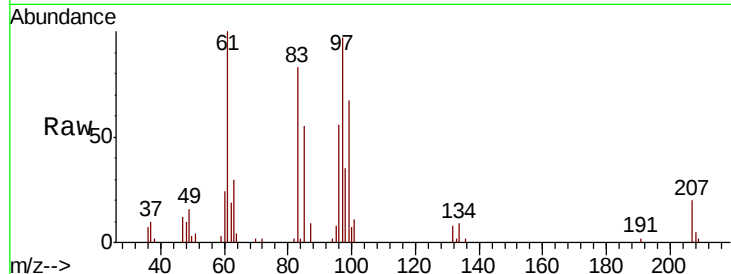
ClientSampleId :

VSTDIC075

Tot Ion:	97	Resp:	69887
Ion	Ratio	Lower	Upper
97	100		
83	85.5	70.4	105.6
85	56.9	47.6	71.4
99	68.6	53.1	79.7

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#56

Ethyl methacrylate

Concen: 65.73 ug/l

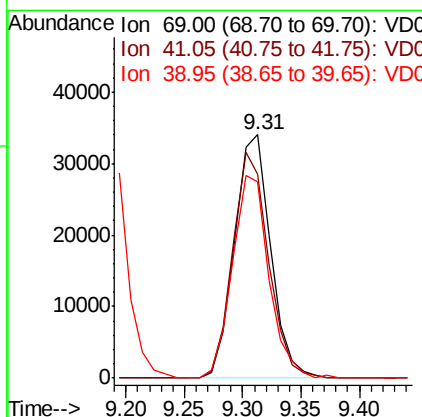
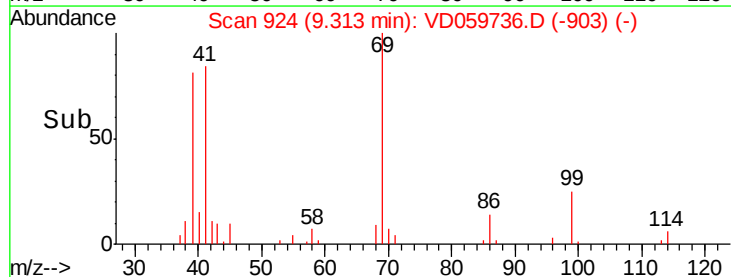
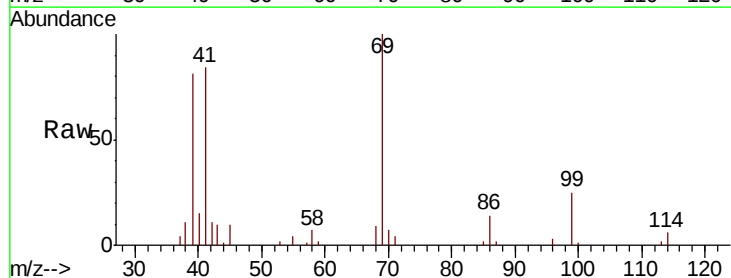
RT: 9.31 min Scan# 924

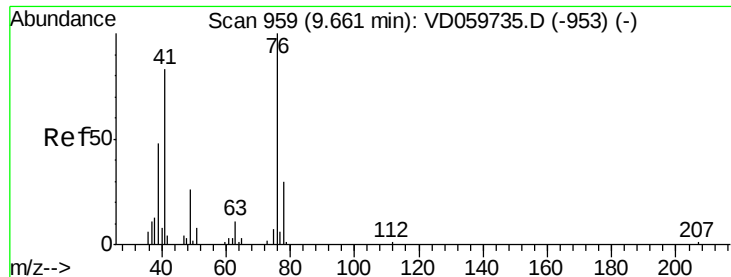
Delta R.T. 0.01 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

Tgt Ion:	69	Resp:	73167
Ion	Ratio	Lower	Upper
69	100		
41	83.9	76.7	115.1
39	80.8	71.0	106.4





#57

1,3-Dichloropropane

Concen: 73.84 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 117079

Ion Ratio Lower Upper

76 100

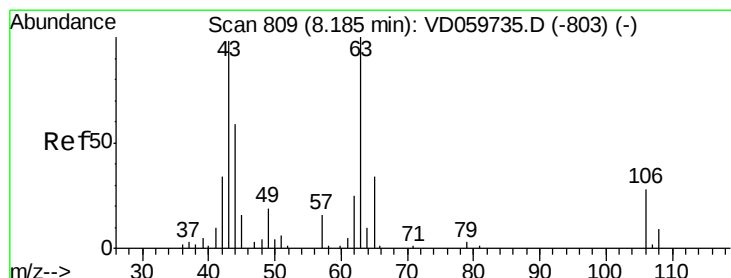
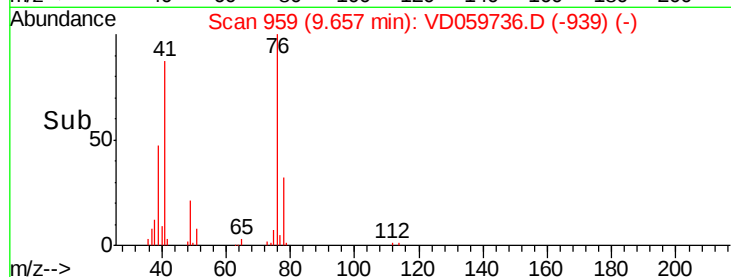
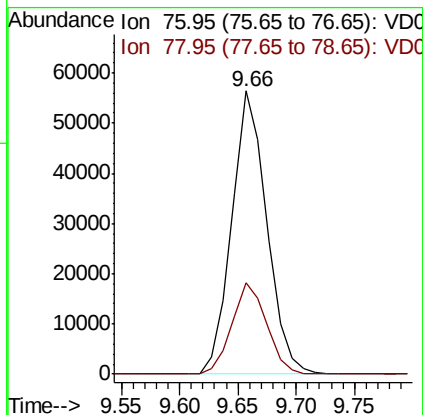
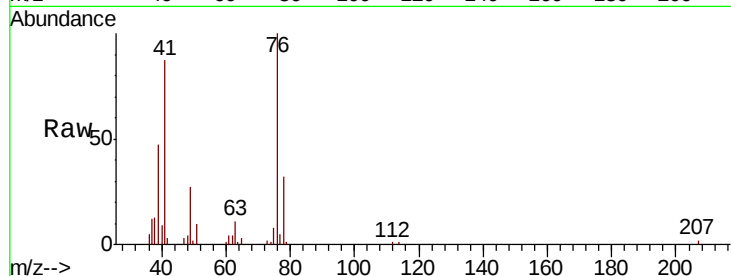
78 32.3 23.8 35.8

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#58

2-Chloroethyl Vinyl ether

Concen: 345.05 ug/l

RT: 8.18 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD059736.D

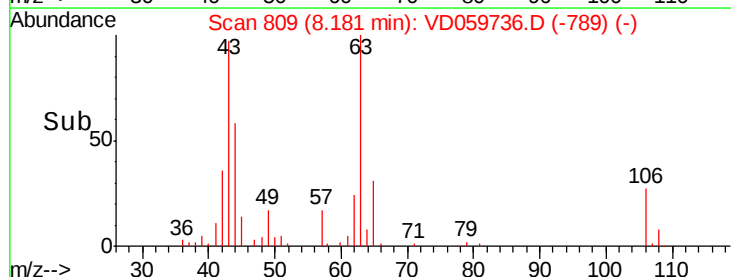
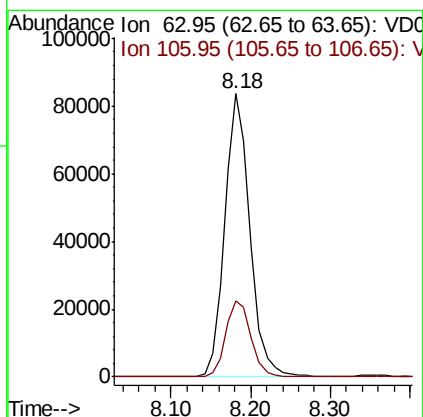
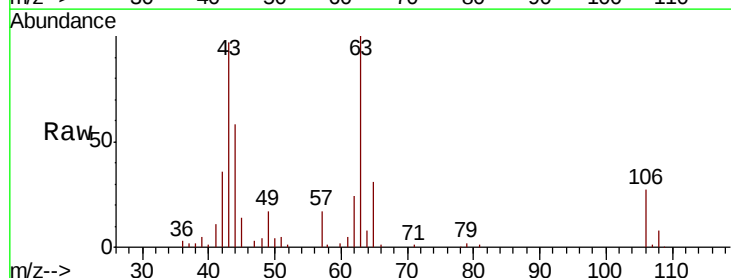
Acq: 10 Aug 2018 18:38

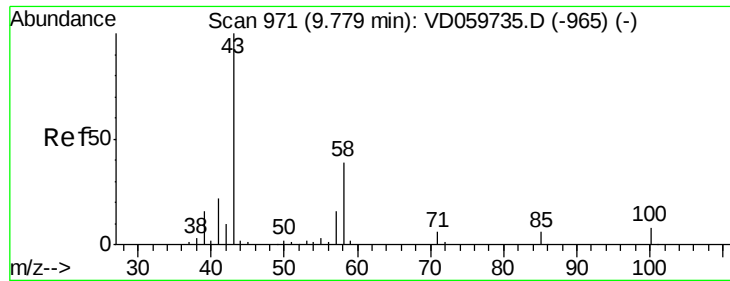
Tgt Ion: 63 Resp: 184831

Ion Ratio Lower Upper

63 100

106 26.7 22.2 33.2





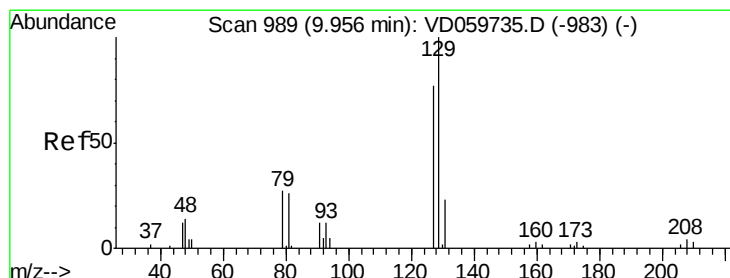
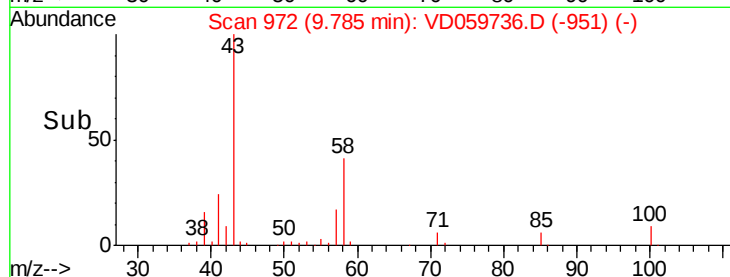
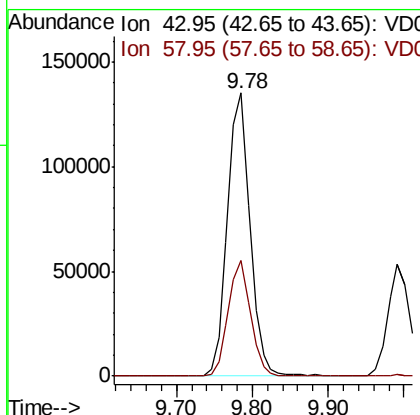
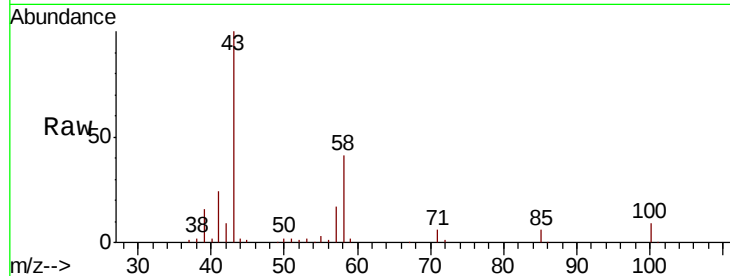
#59
2-Hexanone
Concen: 374.41 ug/l
RT: 9.78 min Scan# 972
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.7	19.8	59.3

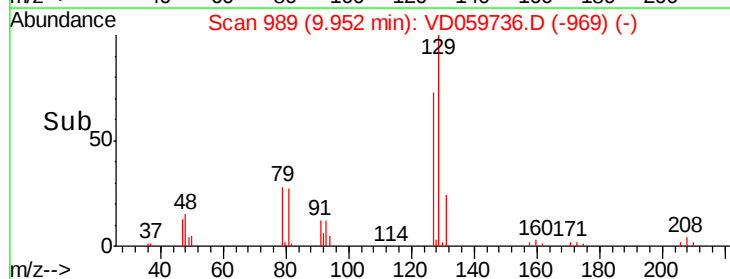
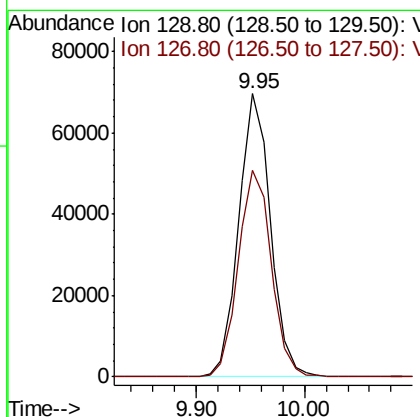
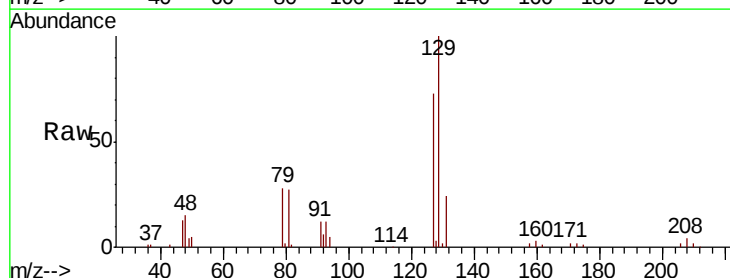
Manual Integrations
APPROVED

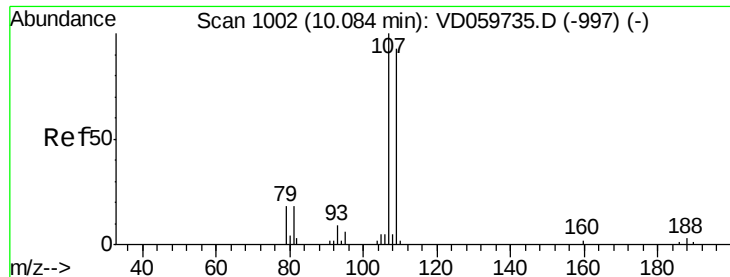
apatel
8/13/2018 12:28:41 PM



#60
Dibromochloromethane
Concen: 85.56 ug/l
RT: 9.95 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.1	38.6	115.7





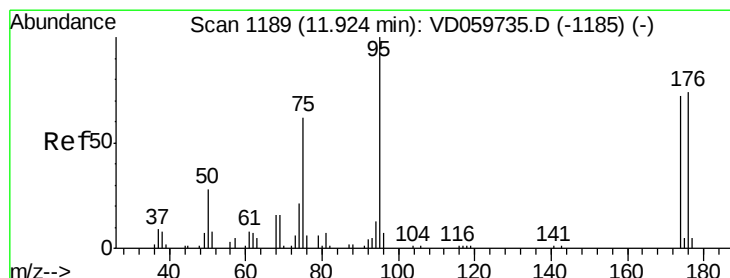
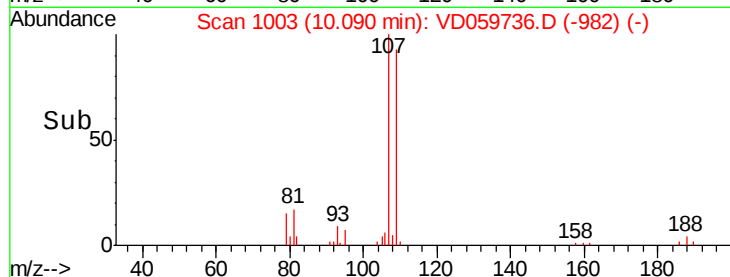
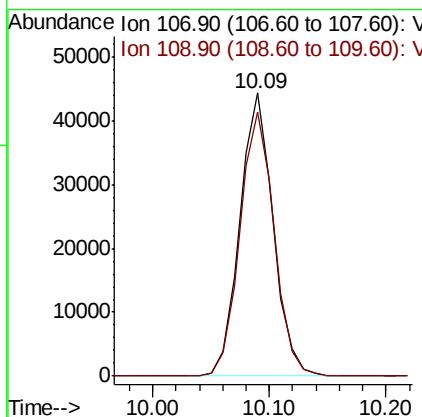
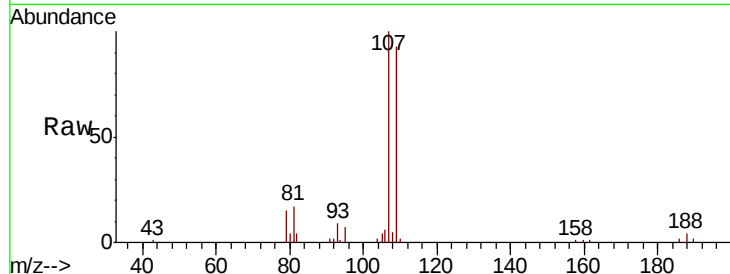
#61
 1,2-Dibromoethane
 Concen: 74.12 ug/l
 RT: 10.09 min Scan# 1003
 Delta R.T. 0.01 min
 Lab File: VD059736.D
 Acq: 10 Aug 2018 18:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	74.3	111.5

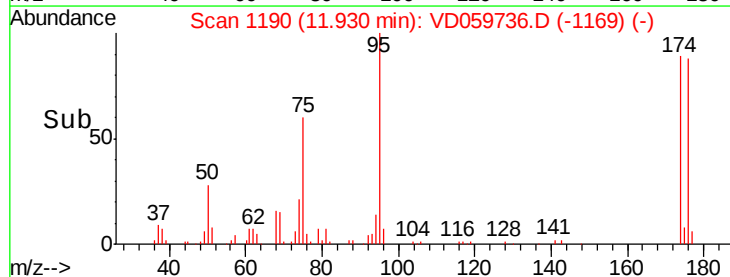
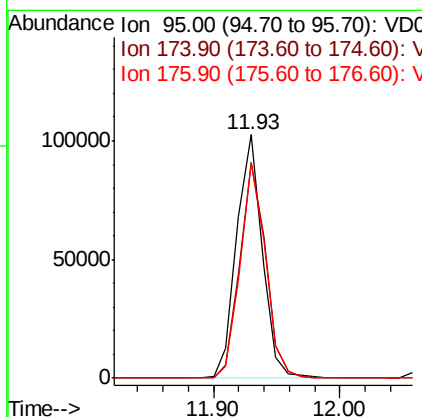
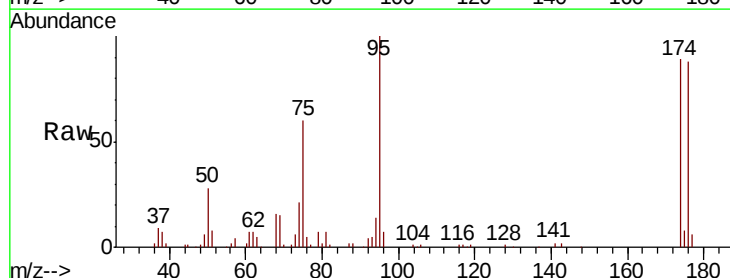
Manual Integrations
 APPROVED

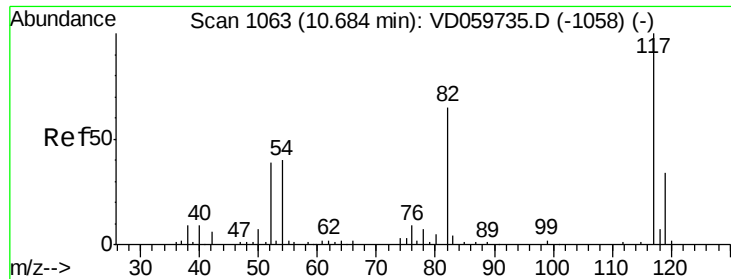
apatel
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#62
 4-Bromofluorobenzene
 Concen: 74.12 ug/l
 RT: 11.93 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD059736.D
 Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.5	0.0	143.2
176	88.4	0.0	147.2





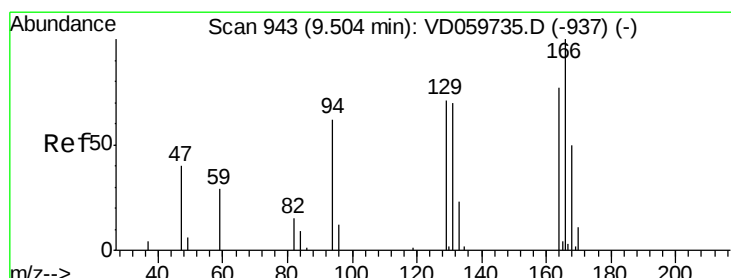
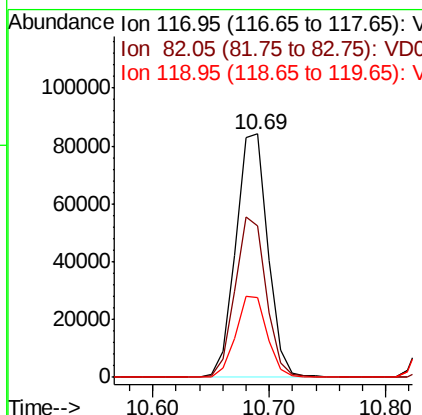
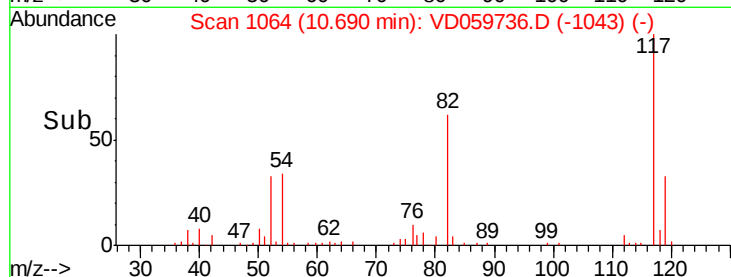
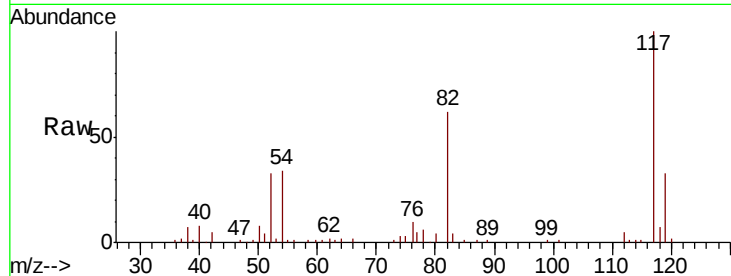
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampled :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
117	100	160149		
82	62.3	51.9	77.9	
119	32.8	27.4	41.0	

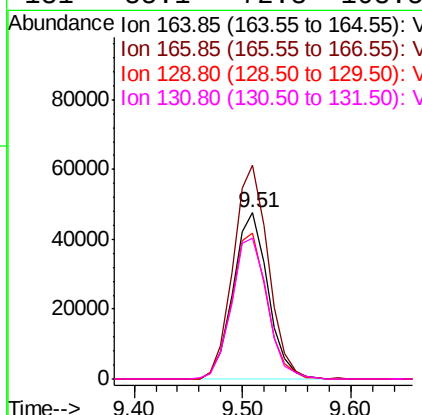
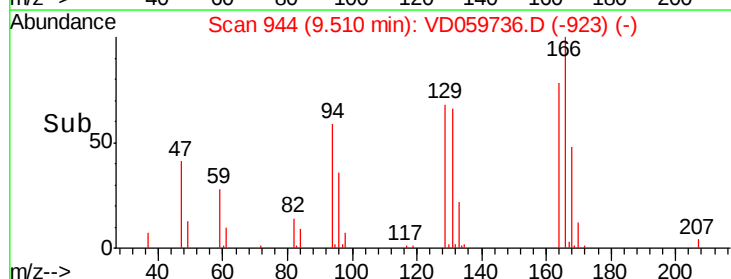
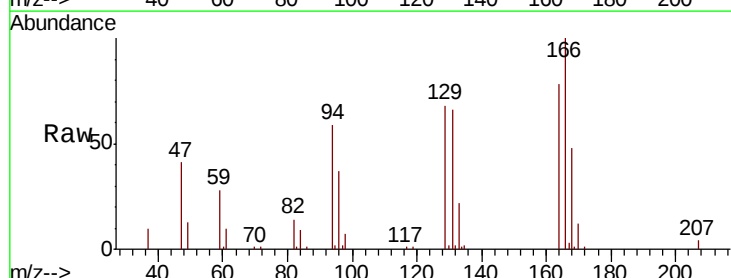
Manual Integrations
APPROVED

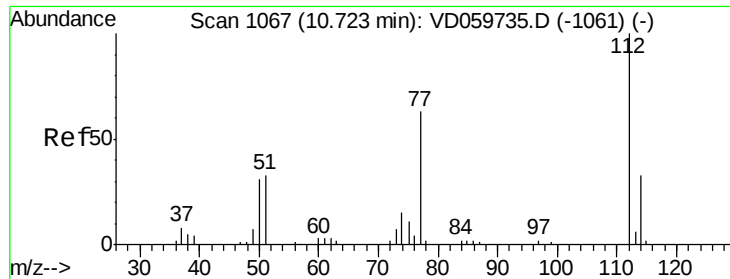
apatel
8/13/2018 12:28:41 PM



#64
Tetrachloroethene
Concen: 69.75 ug/l
RT: 9.51 min Scan# 944
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	106177		
166	128.8	103.5	155.3	
129	87.6	73.5	110.3	
131	85.1	72.3	108.5	





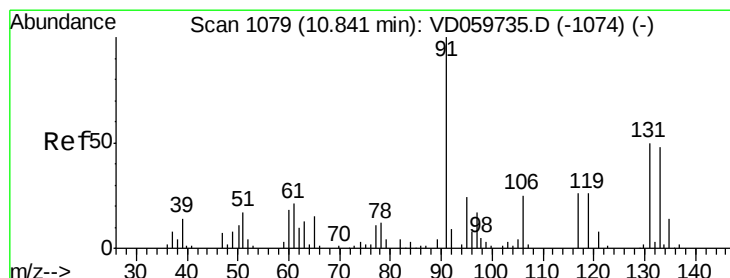
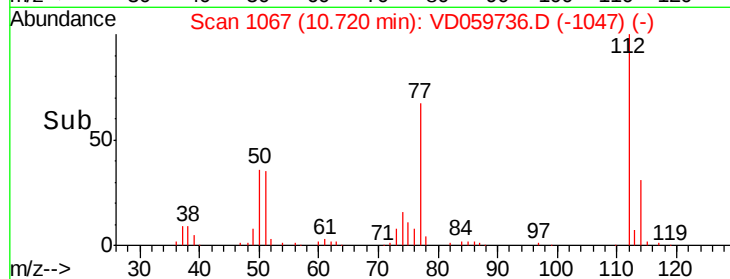
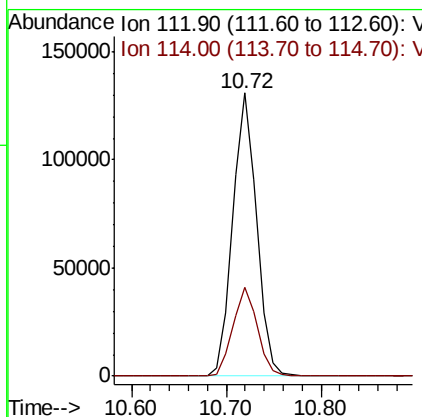
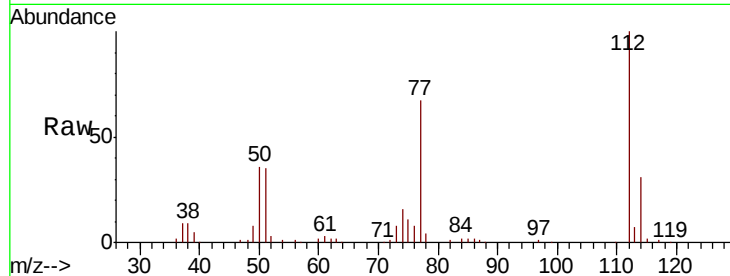
#65
Chlorobenzene
Concen: 67.86 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.4	39.6

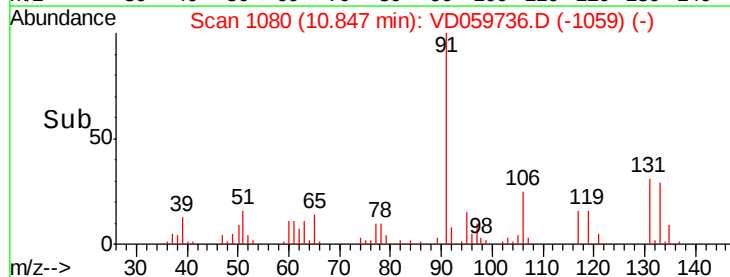
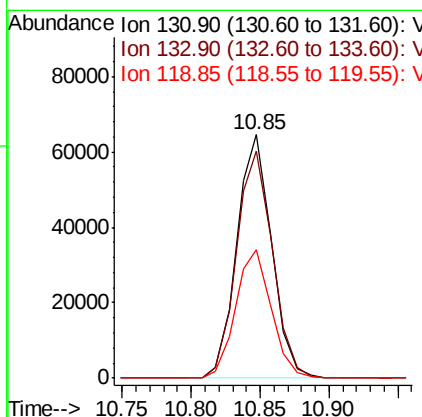
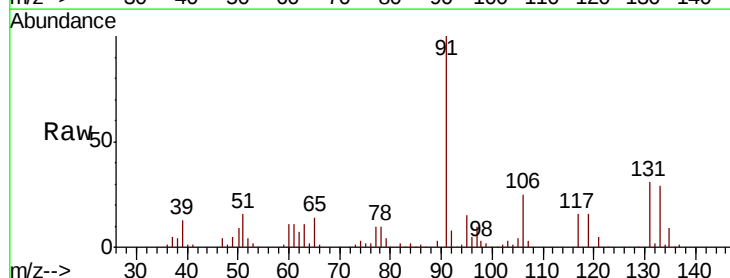
Manual Integrations
APPROVED

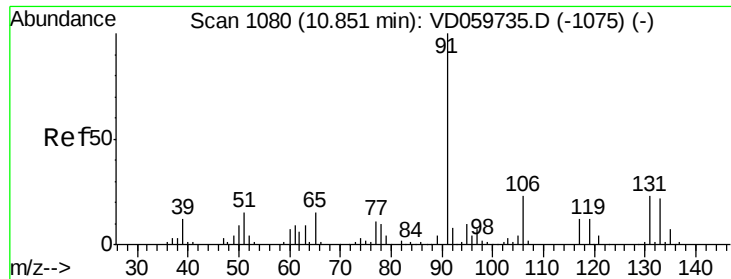
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 74.56 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.3	48.1	144.3
119	52.6	26.2	78.5





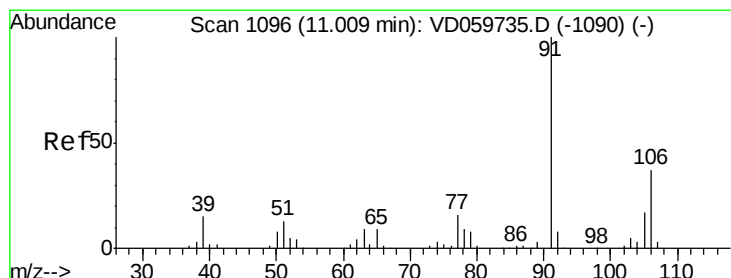
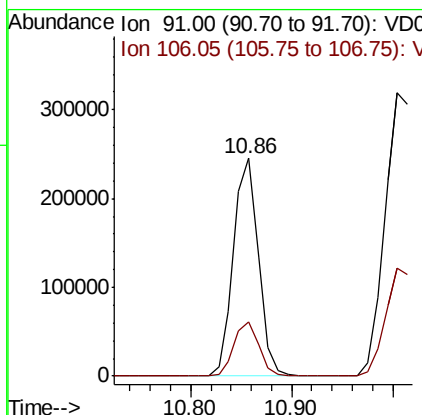
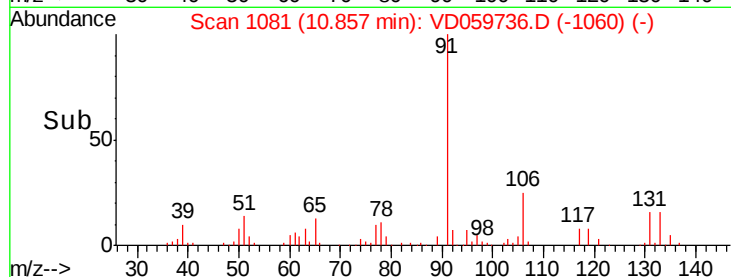
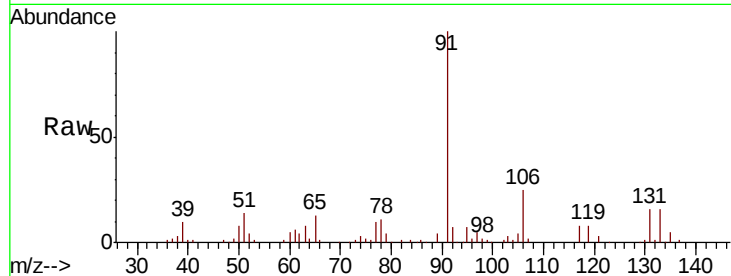
#67
Ethyl Benzene
Concen: 69.15 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 421912
Ion Ratio Lower Upper
91 100
106 25.0 18.8 28.2

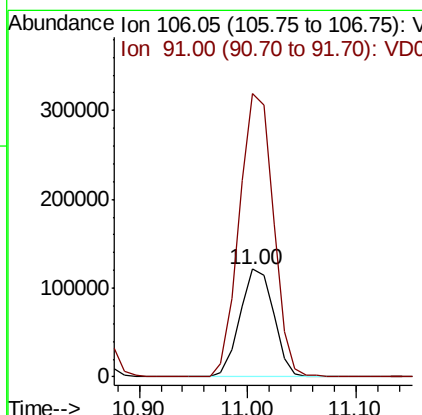
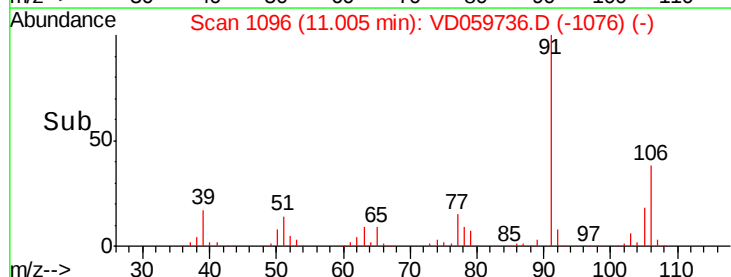
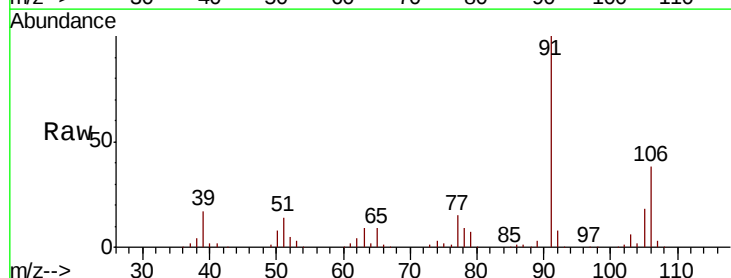
Manual Integrations
APPROVED

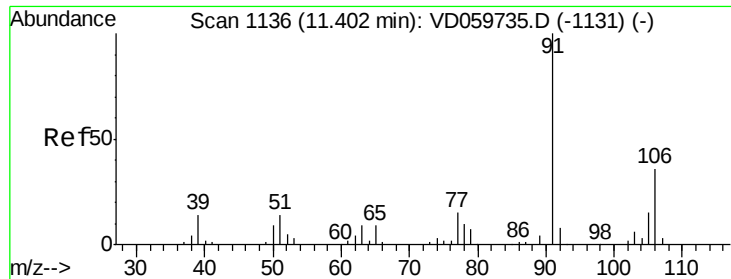
apatel
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#68
m/p-Xylenes
Concen: 137.13 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion:106 Resp: 265002
Ion Ratio Lower Upper
106 100
91 262.3 213.8 320.8





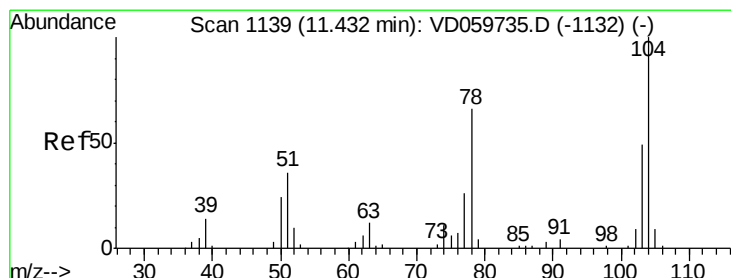
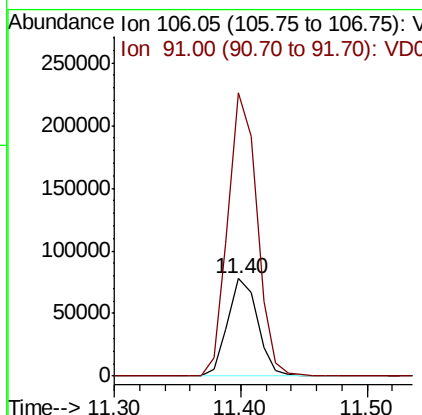
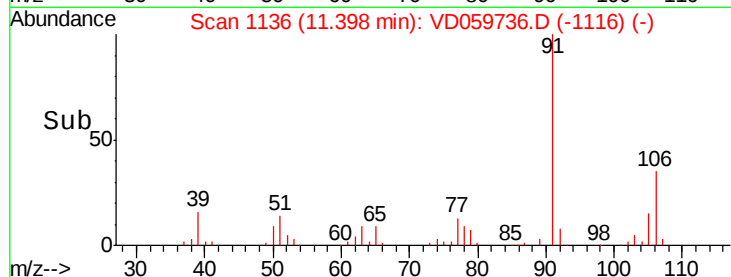
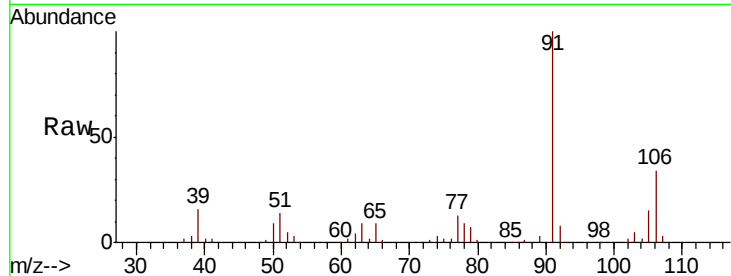
#69
o-Xylene
Concen: 67.46 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 127364
Ion Ratio Lower Upper
106 100
91 290.2 139.8 419.4

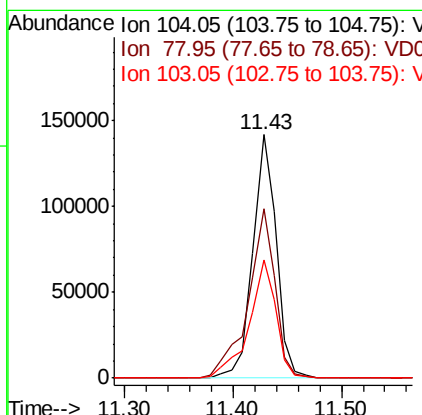
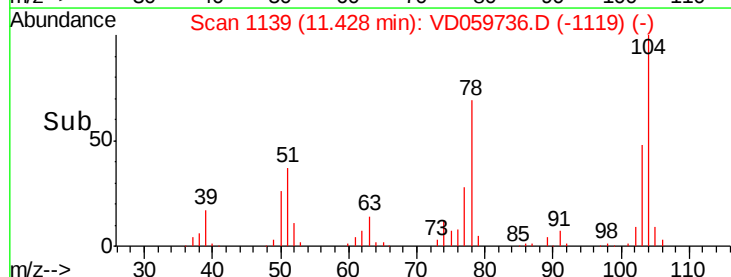
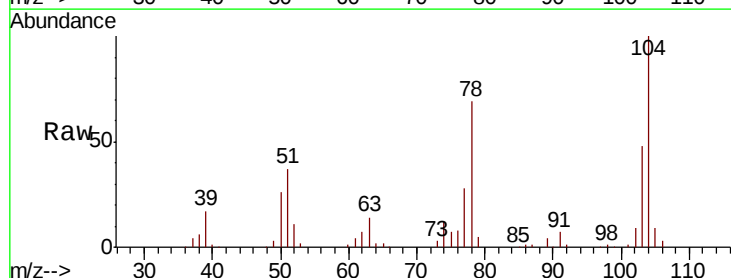
Manual Integrations
APPROVED

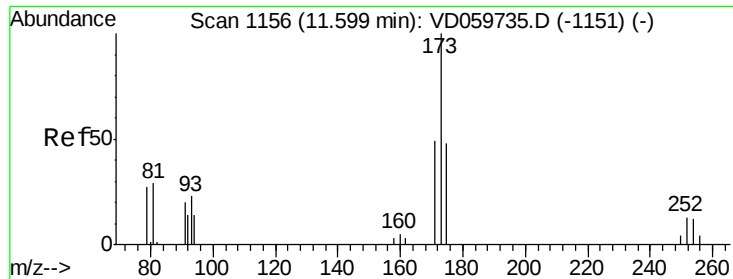
apatel
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#70
Styrene
Concen: 67.74 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion:104 Resp: 213833
Ion Ratio Lower Upper
104 100
78 69.4 52.8 79.2
103 48.4 39.1 58.7





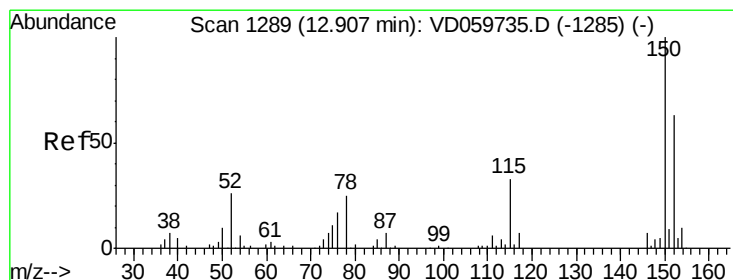
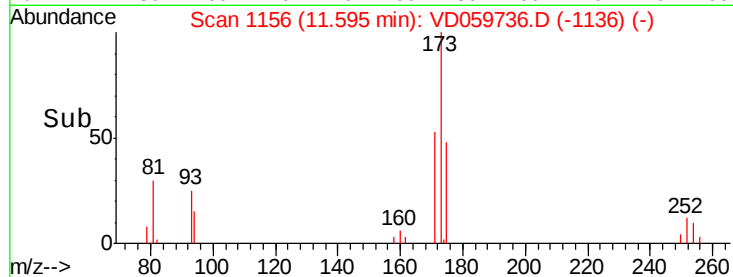
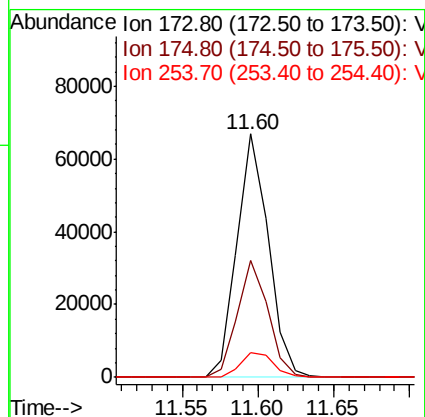
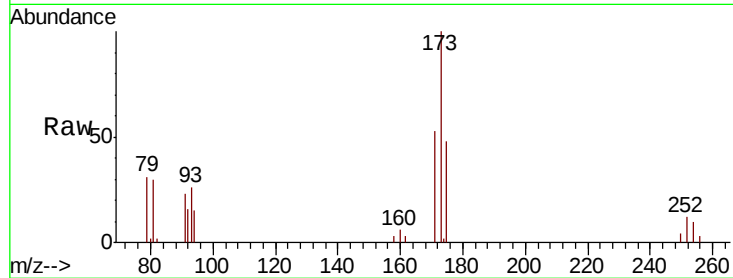
#71
Bromoform
Concen: 84.26 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.2
254	10.0	9.3	13.9

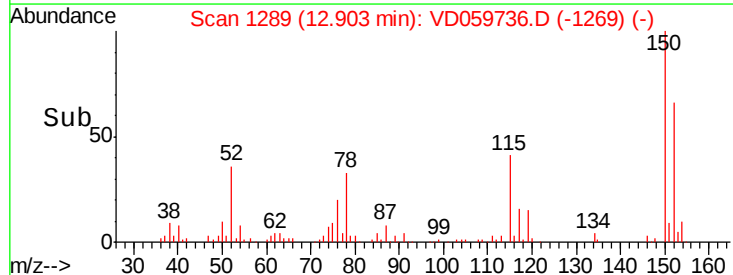
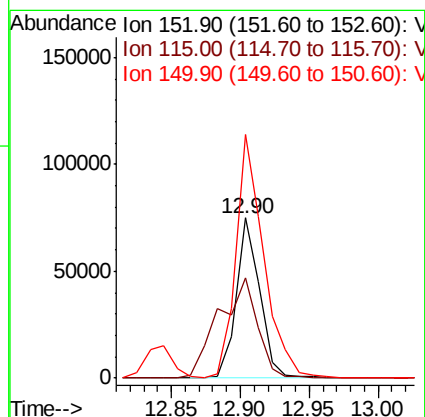
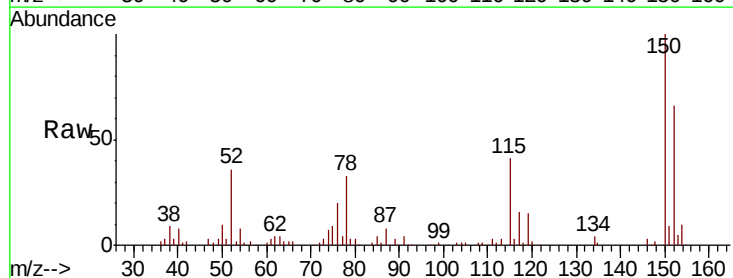
Manual Integrations
APPROVED

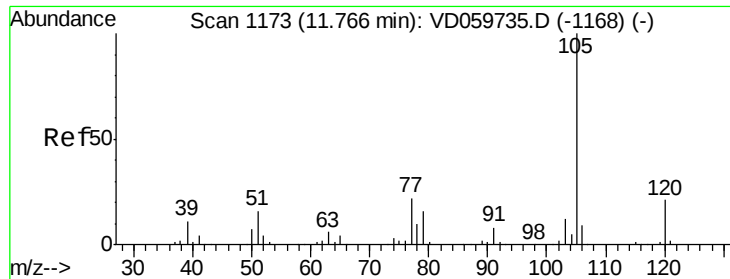
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.6	29.8	89.3
150	152.3	0.0	320.4





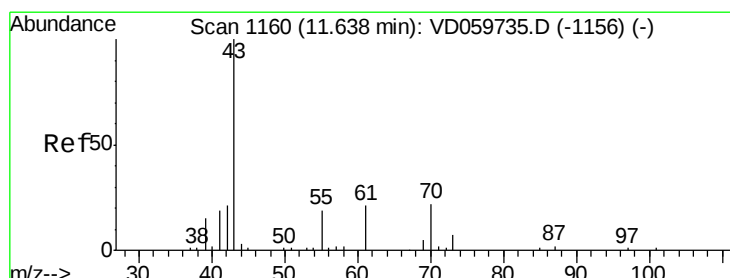
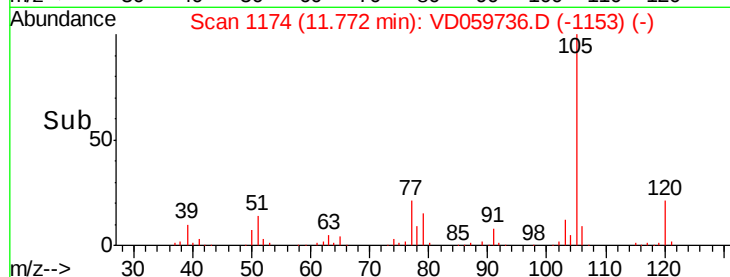
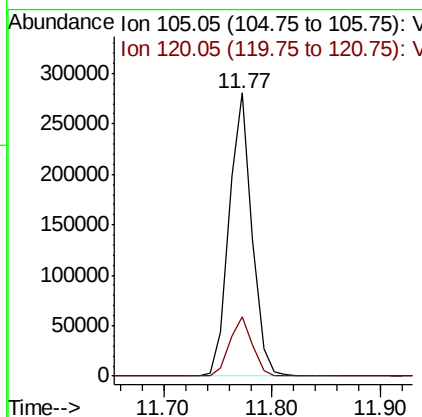
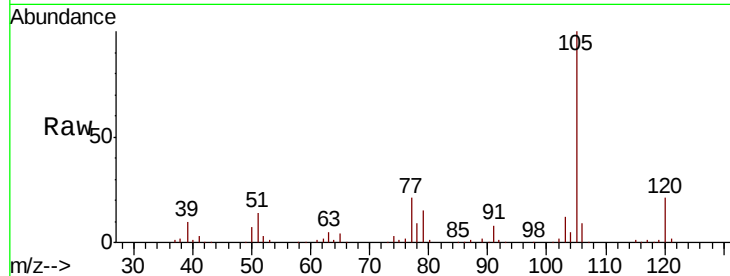
#73
Isopropylbenzene
Concen: 69.81 ug/l
RT: 11.77 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 105 Resp: 411347
Ion Ratio Lower Upper
105 100
120 20.9 10.3 30.8

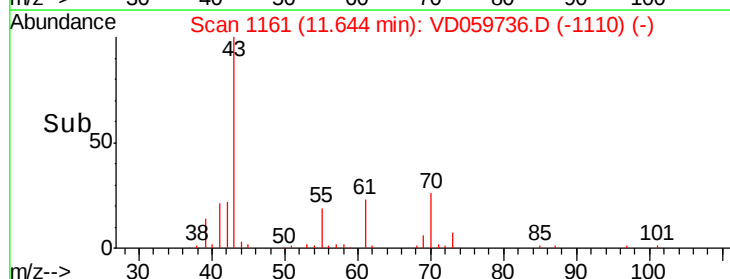
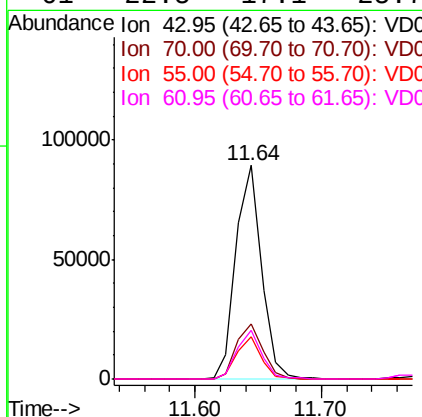
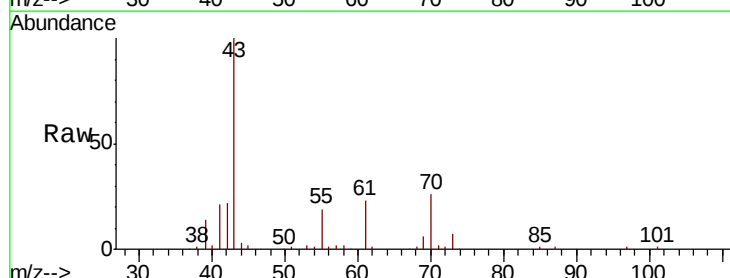
Manual Integrations
APPROVED

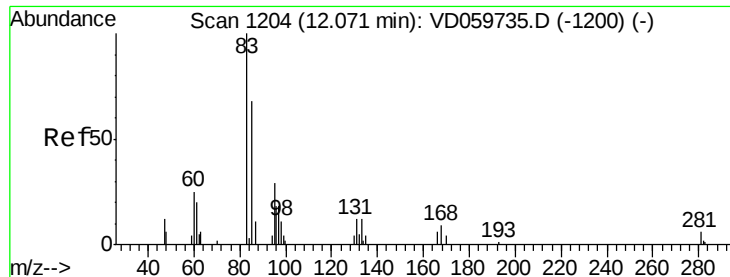
apatel
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#74
N-ethyl acetate
Concen: 67.34 ug/l
RT: 11.64 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion: 43 Resp: 125232
Ion Ratio Lower Upper
43 100
70 25.8 18.0 27.0
55 19.5 14.8 22.2
61 22.5 17.1 25.7





#75

1,1,2,2-Tetrachloroethane

Concen: 68.78 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 83 Resp: 80823

Ion Ratio Lower Upper

83 100

131 12.2 6.3 19.1

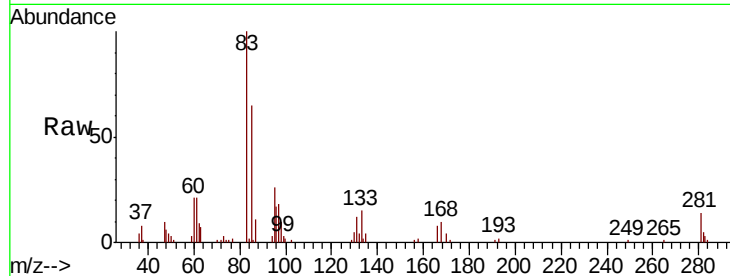
85 65.4 34.2 102.5

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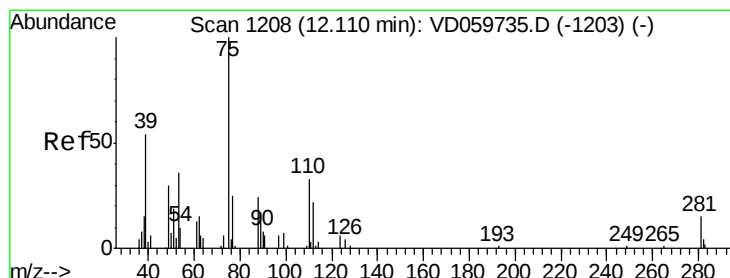
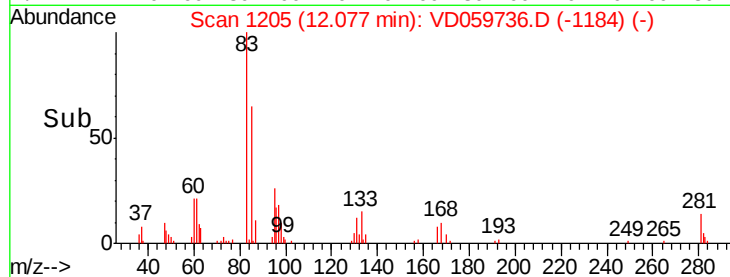
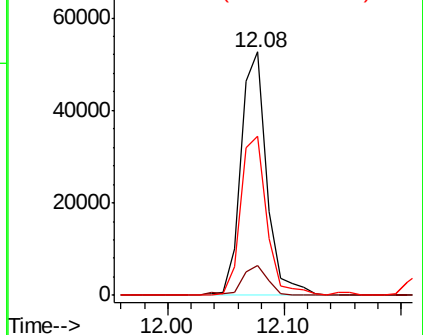
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 66.67 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059736.D

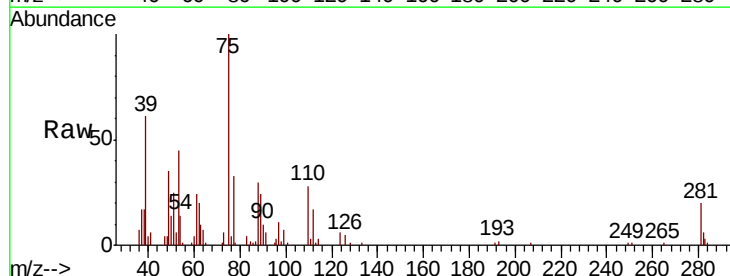
Acq: 10 Aug 2018 18:38

Tgt Ion: 75 Resp: 91099

Ion Ratio Lower Upper

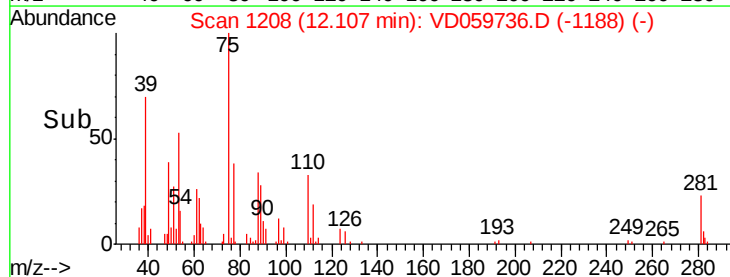
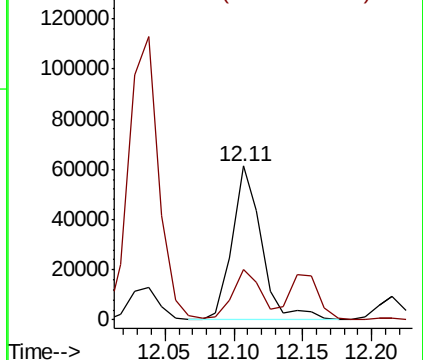
75 100

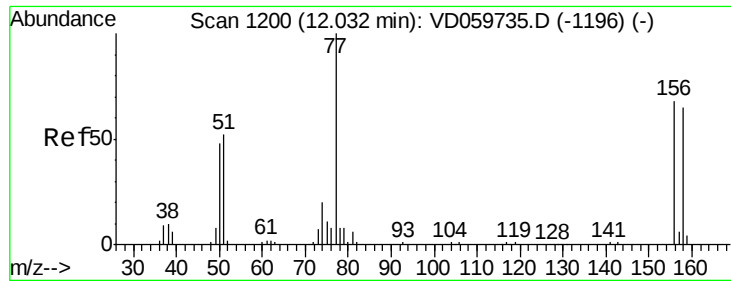
77 32.7 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 72.28 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

Instrument :

MSVOA_D

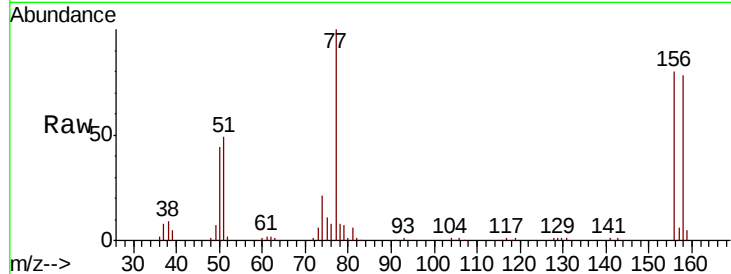
ClientSampleId :

VSTDIC075

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	124.5	73.3	219.8	
158	97.4	47.5	142.5	

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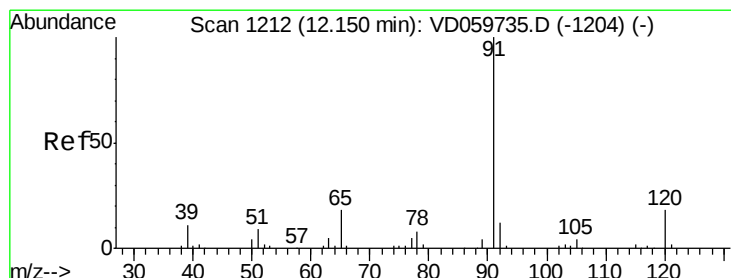
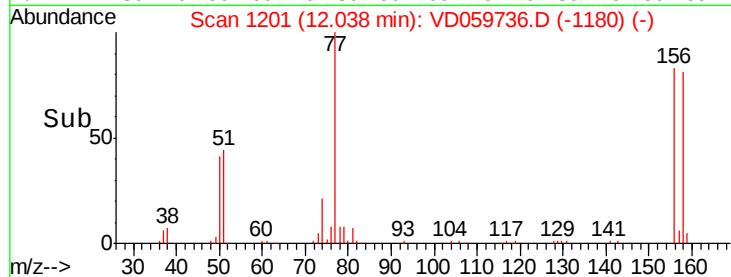
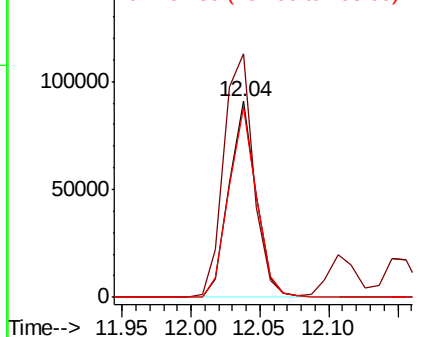


Abundance

Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 69.91 ug/l

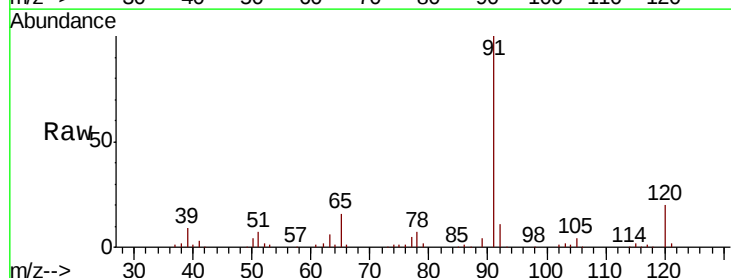
RT: 12.16 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

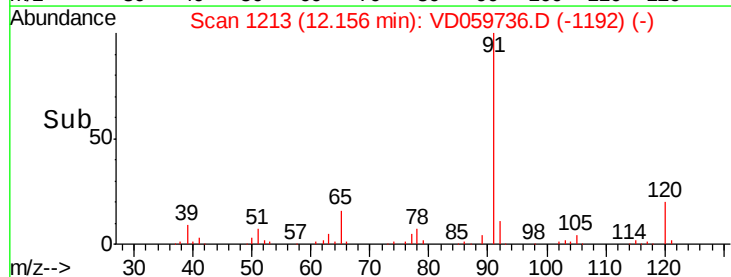
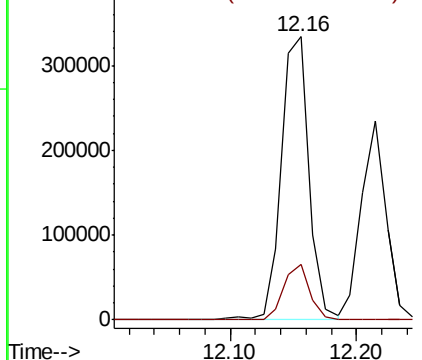
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	19.6	8.9	26.7	

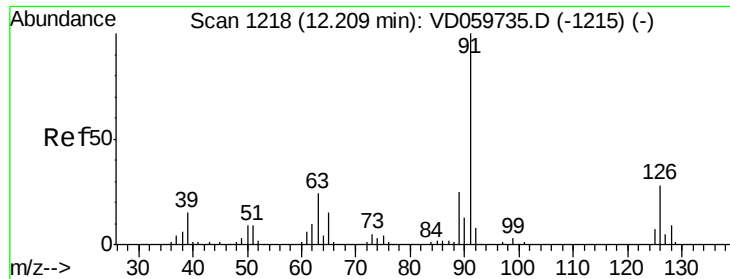


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





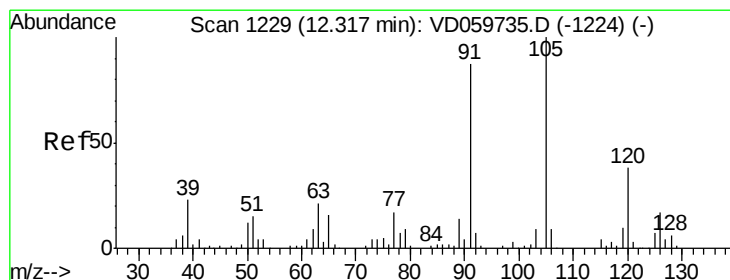
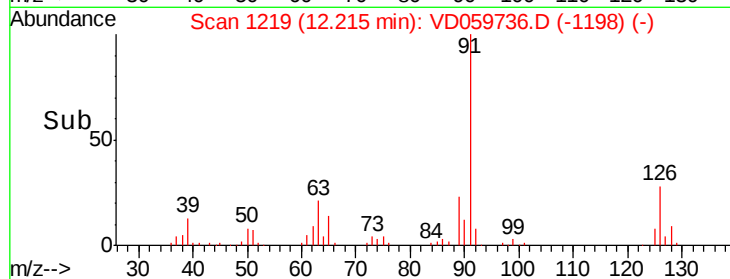
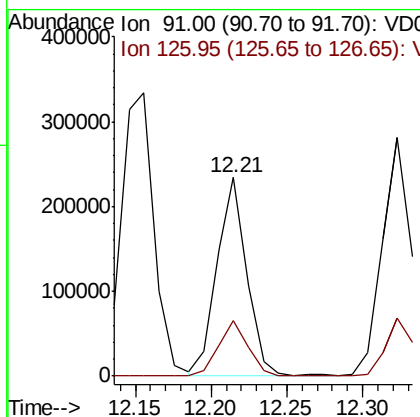
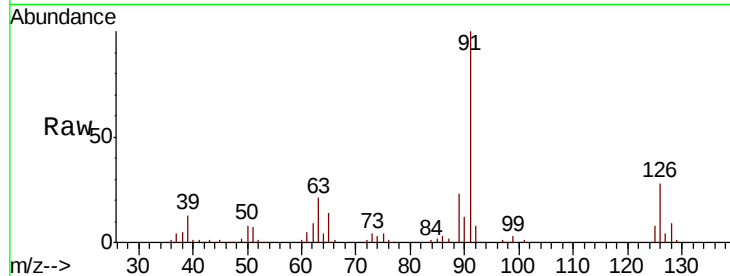
#79
 2-Chlorotoluene
 Concen: 71.83 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059736.D
 Acq: 10 Aug 2018 18:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 91 Resp: 317724
 Ion Ratio Lower Upper
 91 100
 126 28.2 13.3 39.9

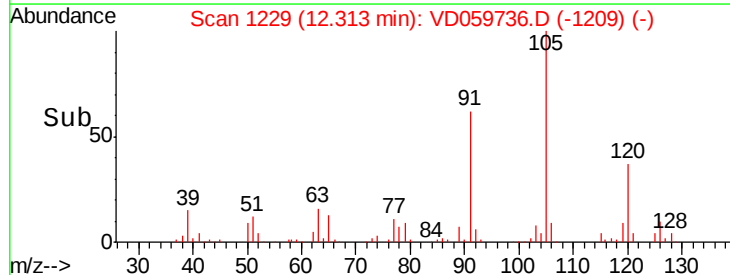
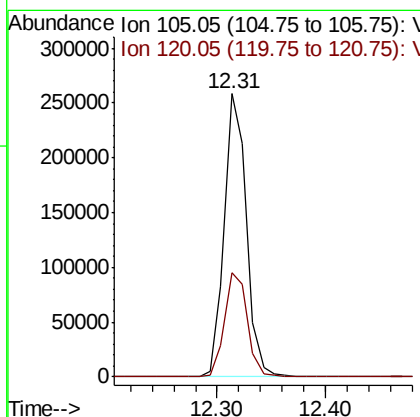
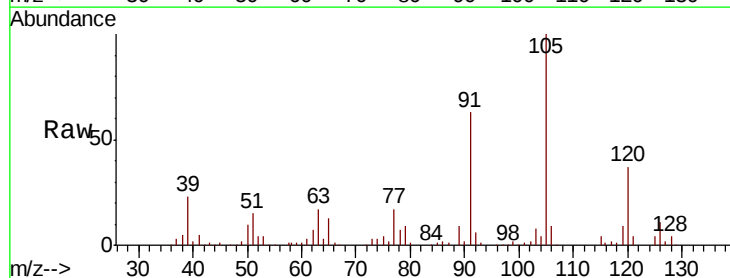
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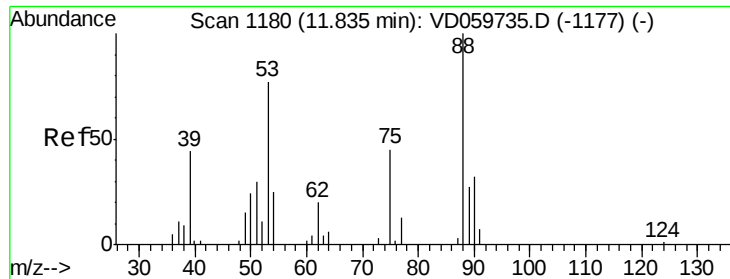
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 74.53 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059736.D
 Acq: 10 Aug 2018 18:38

Tgt Ion: 105 Resp: 367549
 Ion Ratio Lower Upper
 105 100
 120 36.8 19.2 57.6





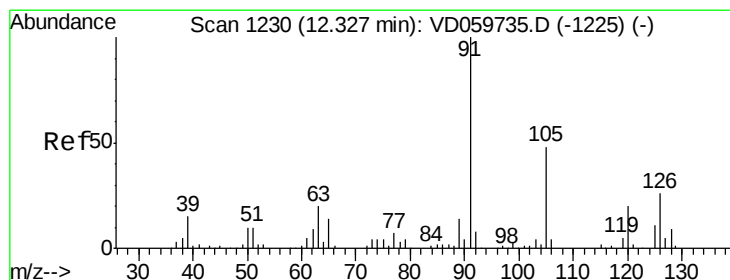
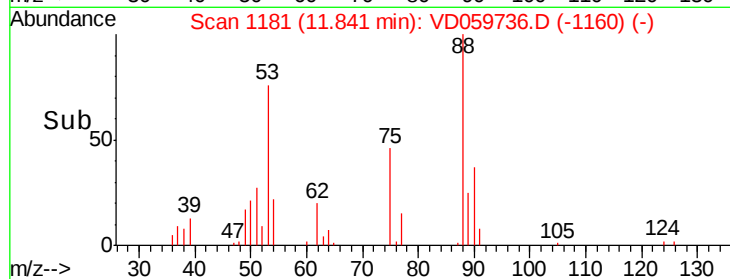
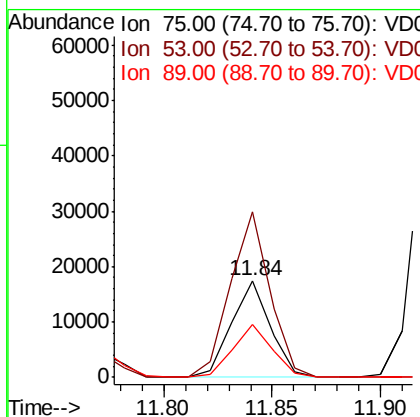
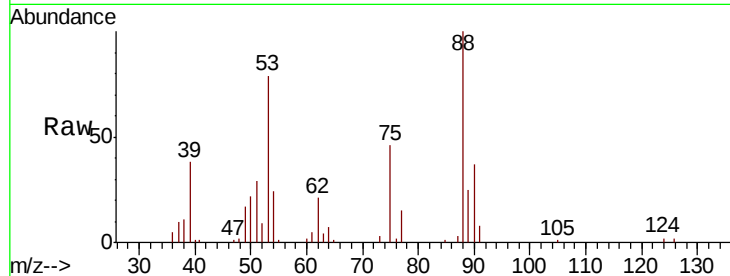
#81
trans-1,4-Dichloro-2-butene
Concen: 68.76 ug/l
RT: 11.84 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
53	171.2	137.5	206.3
89	54.9	48.3	72.5

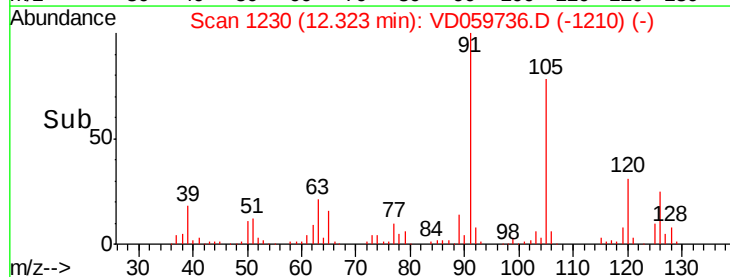
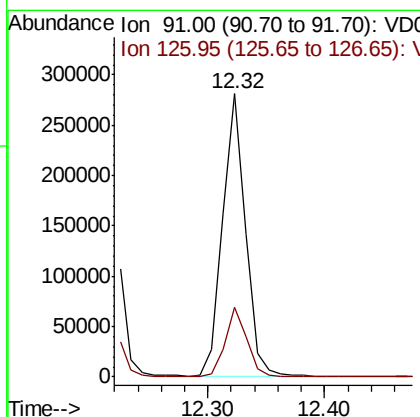
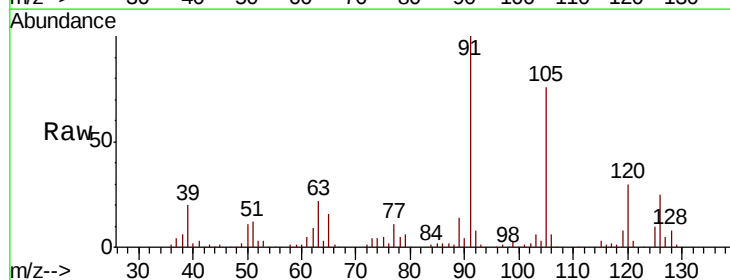
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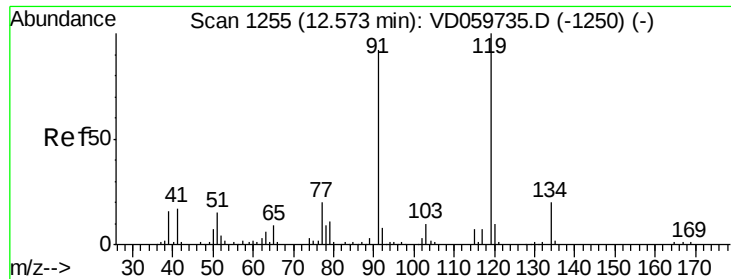
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#82
4-Chlorotoluene
Concen: 73.39 ug/l
RT: 12.32 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	24.6	12.8	38.3





#83

tert-Butylbenzene

Concen: 73.64 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

Instrument :

MSVOA_D

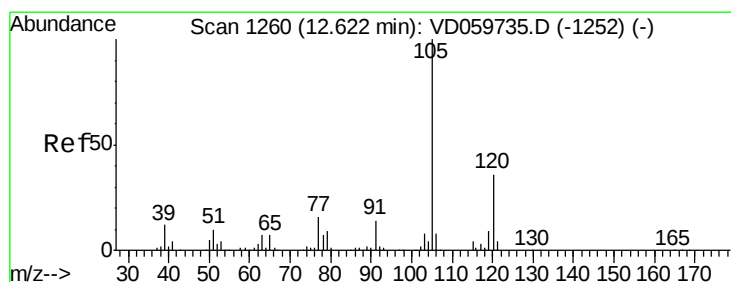
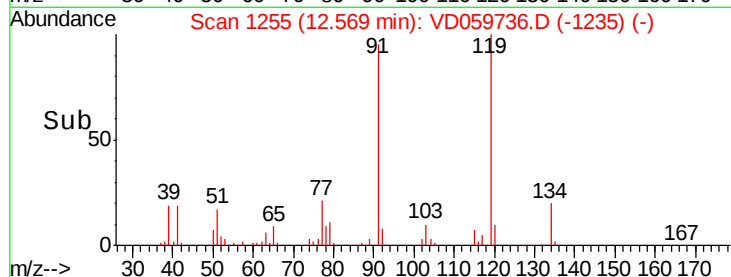
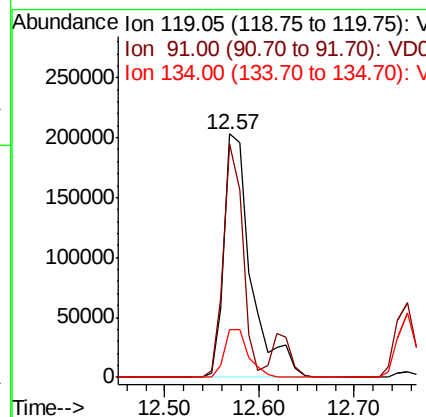
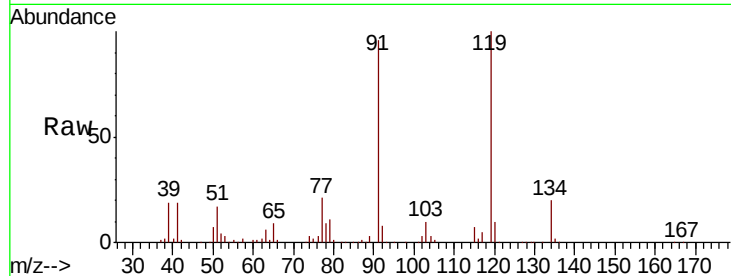
ClientSampleId :

VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
119	100	403820		
91	95.9	46.1	138.2	
134	19.6	9.9	29.7	

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 75.05 ug/l

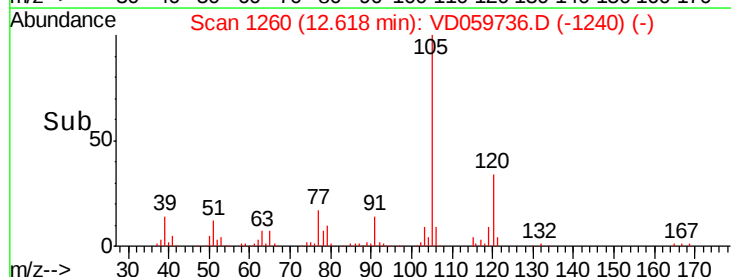
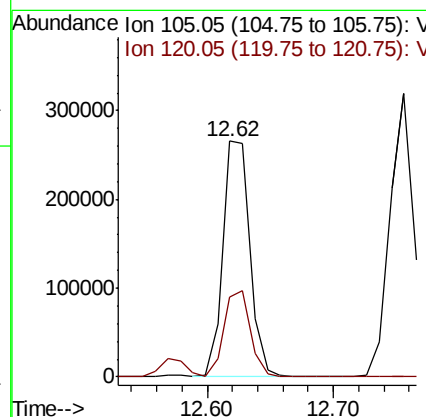
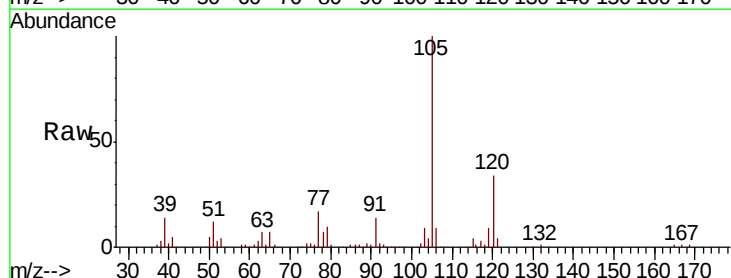
RT: 12.62 min Scan# 1260

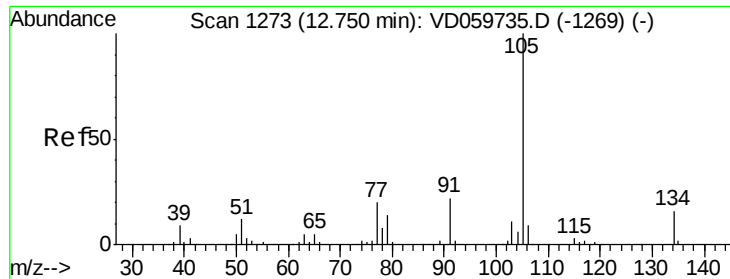
Delta R.T. -0.00 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	392968		
120	34.0	17.9	53.7	





#85

sec-Butylbenzene

Concen: 70.69 ug/l

RT: 12.76 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 431219

Ion Ratio Lower Upper

105 100

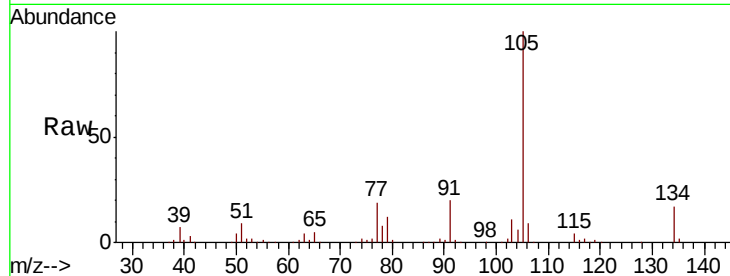
134 17.0 7.8 23.4

Manual Integrations

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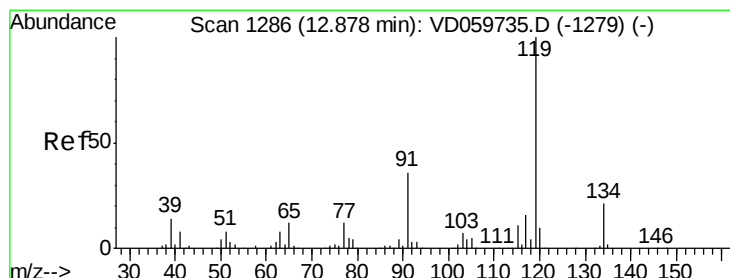
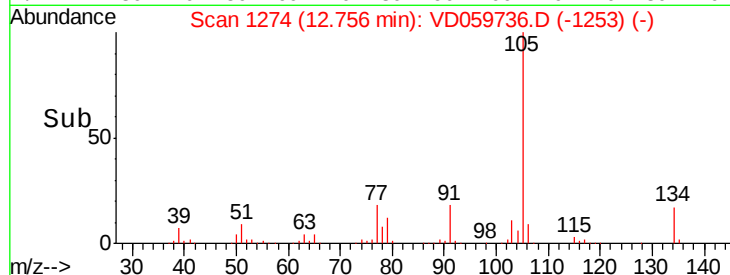
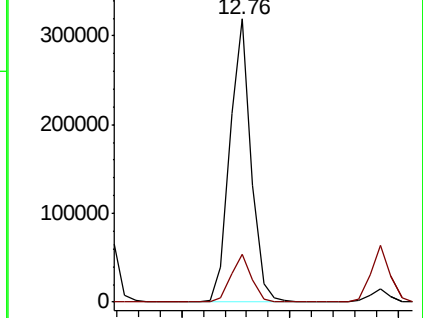
apatel

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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: 72.06 ug/l

RT: 12.88 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

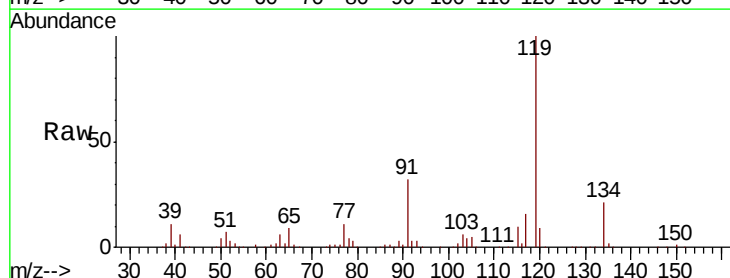
Tgt Ion:119 Resp: 375491

Ion Ratio Lower Upper

119 100

134 20.7 10.5 31.6

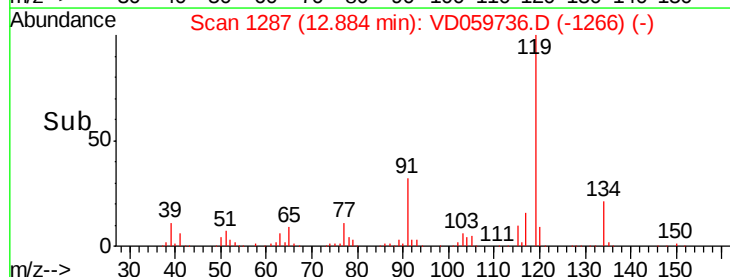
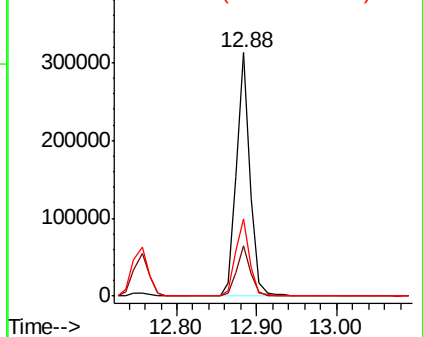
91 31.7 17.9 53.7

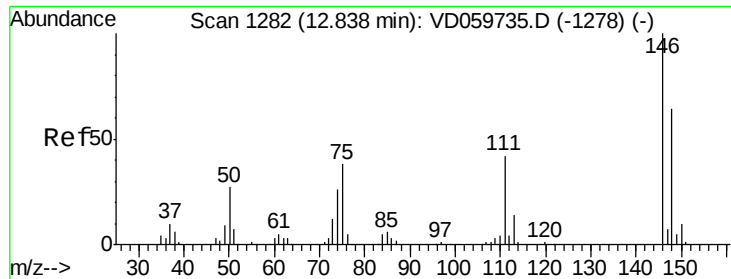


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 69.03 ug/l

RT: 12.83 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

Instrument :

MSVOA_D

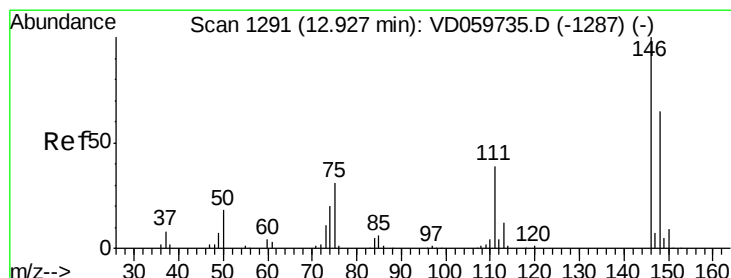
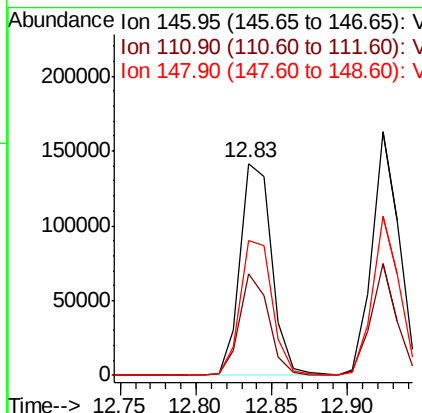
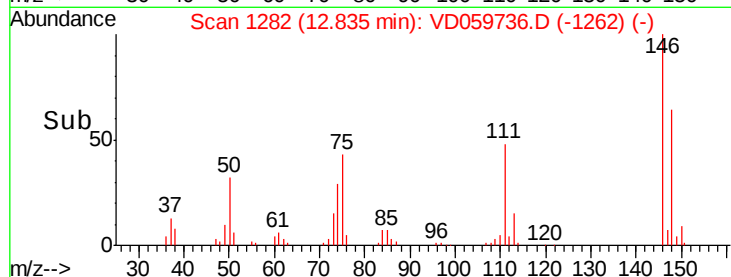
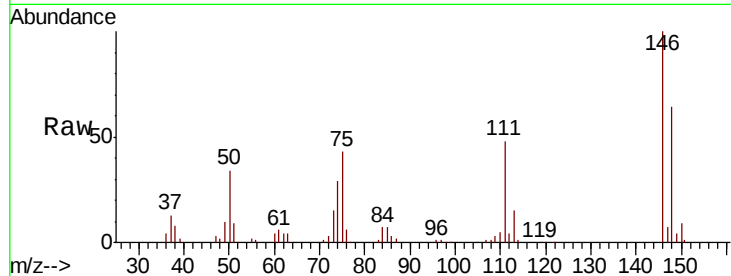
ClientSampleId :

VSTDIC075

Tot Ion:	146	Resp:	206199
Ion Ratio	Lower	Upper	
146	100		
111	47.9	21.1	63.3
148	63.9	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 70.37 ug/l

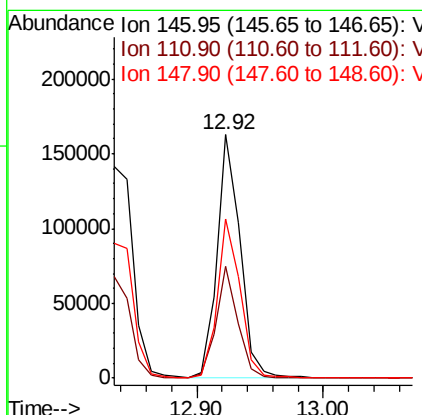
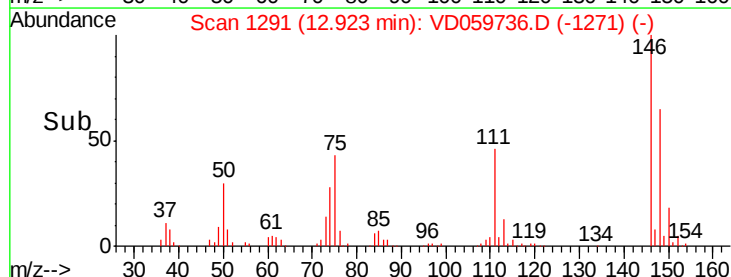
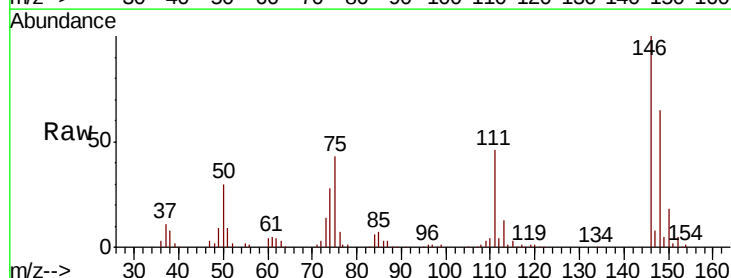
RT: 12.92 min Scan# 1291

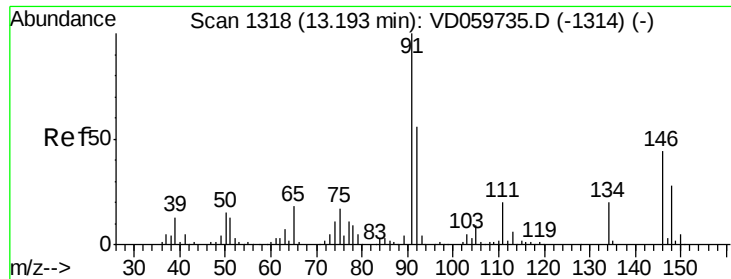
Delta R.T. -0.00 min

Lab File: VD059736.D

Acq: 10 Aug 2018 18:38

Tgt Ion:	146	Resp:	207910
Ion Ratio	Lower	Upper	
146	100		
111	45.7	19.7	59.0
148	65.2	32.4	97.2





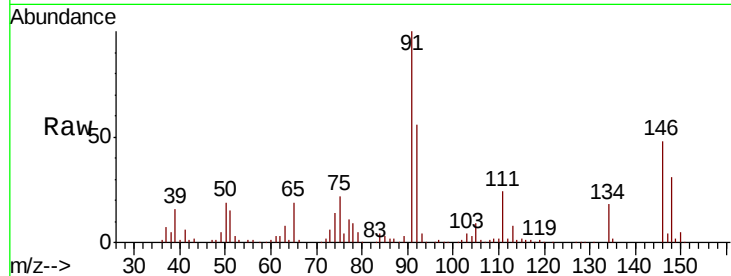
#89
n-Butylbenzene
Concen: 71.63 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.5	28.1	84.4
134	18.2	10.3	30.8

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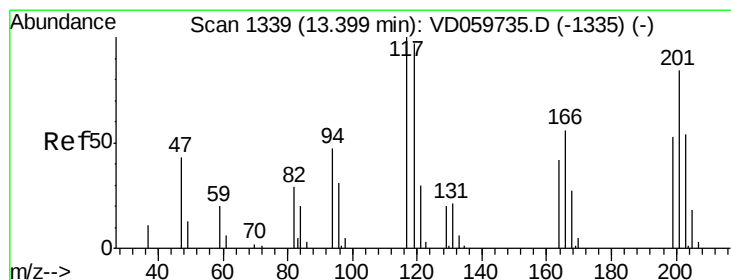
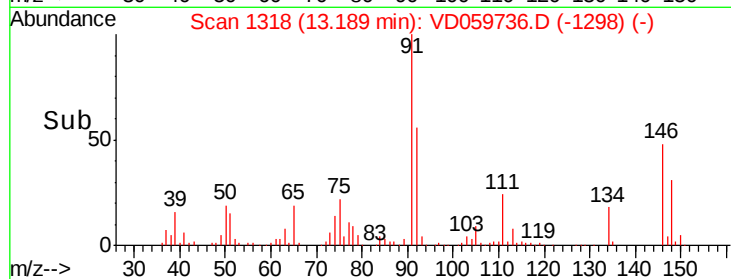
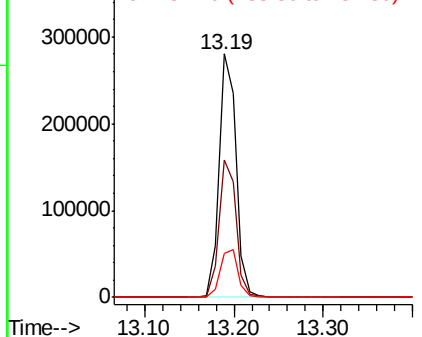


Abundance

Ion 91.00 (90.70 to 91.70): V

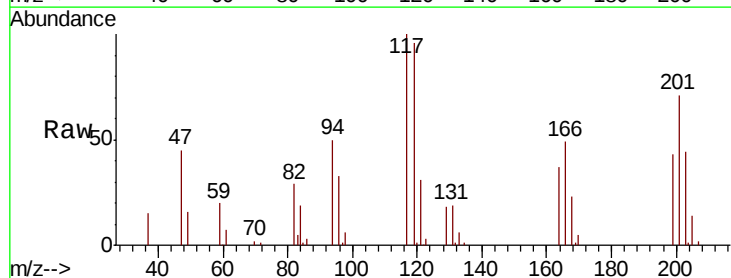
Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90
Hexachloroethane
Concen: 80.50 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

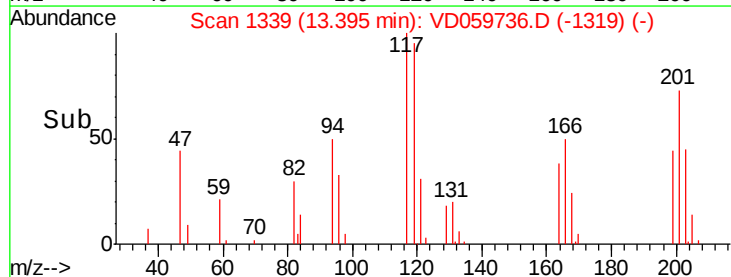
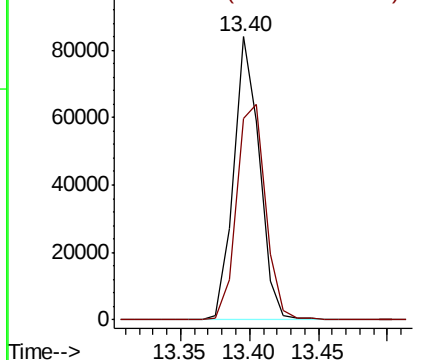
Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.1	41.9	125.7

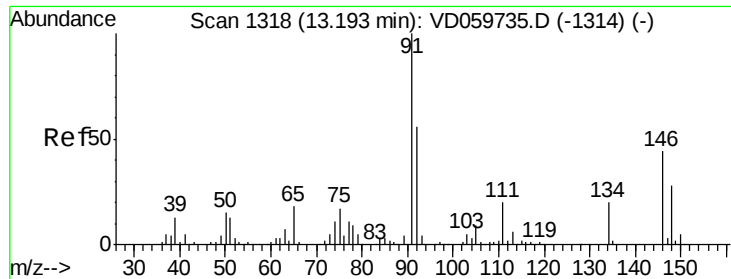


Abundance

Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





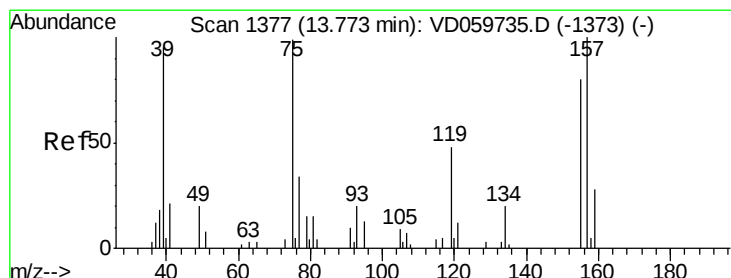
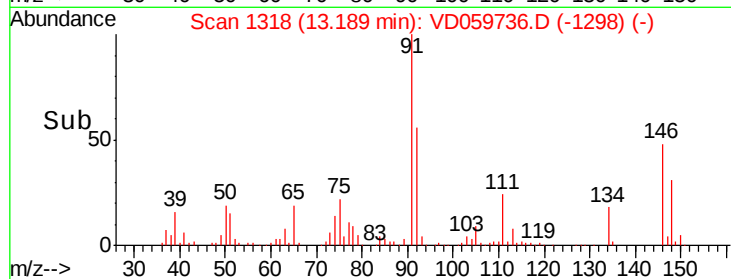
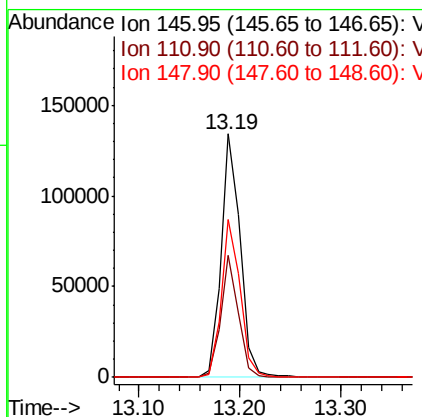
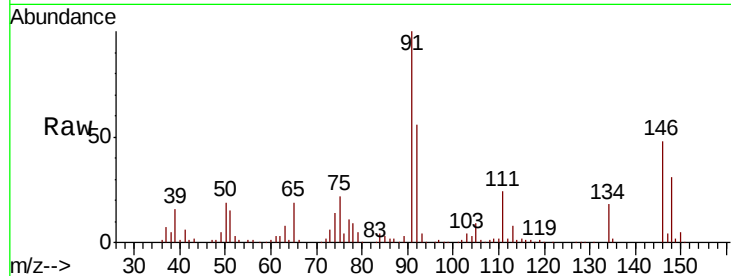
#91
 1,2-Dichlorobenzene
 Concen: 70.73 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059736.D
 Acq: 10 Aug 2018 18:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.0	22.9	68.5
148	64.7	31.8	95.4

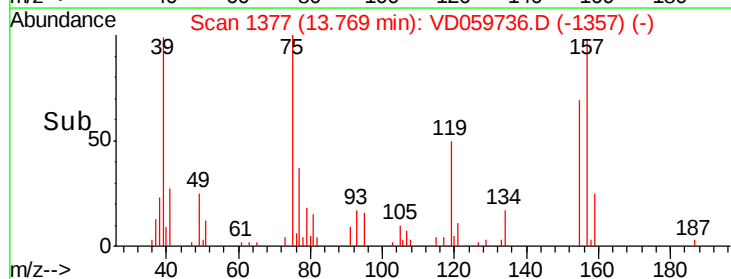
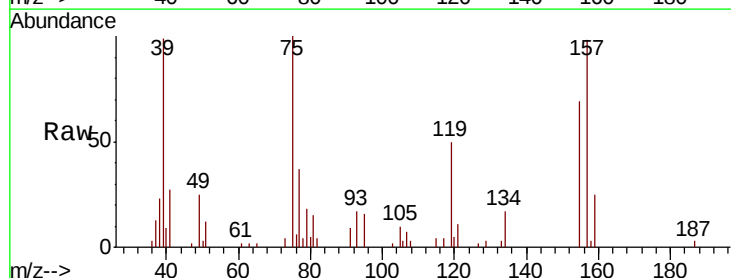
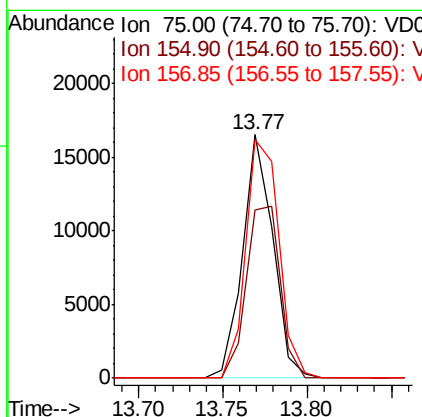
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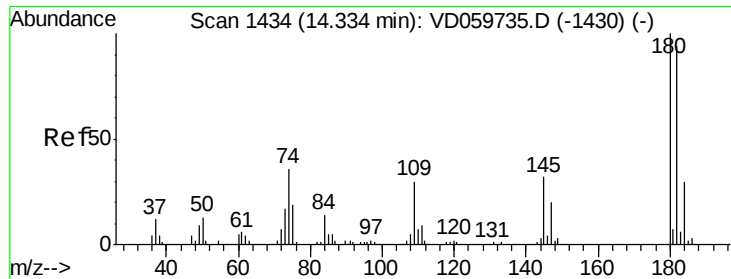
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 82.57 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059736.D
 Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.8	40.4	121.1
157	97.8	50.5	151.6





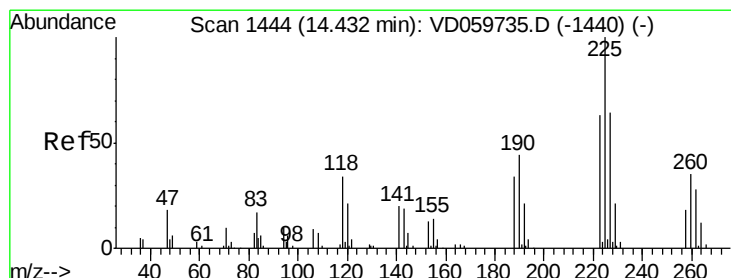
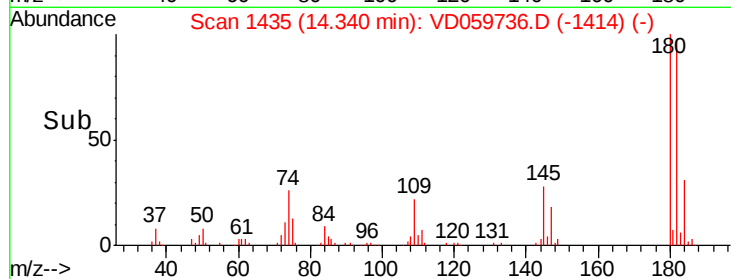
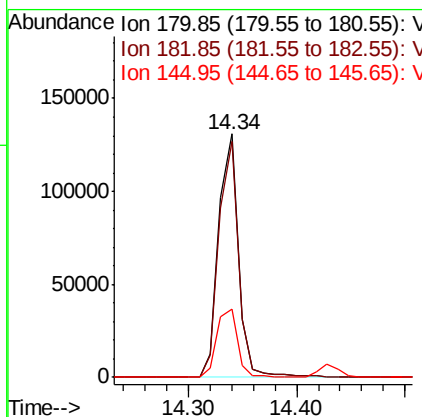
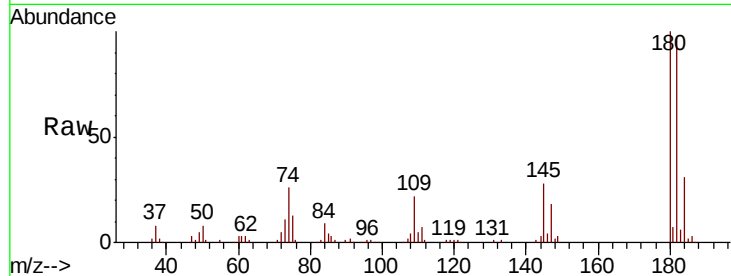
#93
 1,2,4-Trichlorobenzene
 Concen: 73.75 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD059736.D
 Acq: 10 Aug 2018 18:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100	168295		
182	96.8	47.1	141.4	
145	28.0	15.8	47.3	

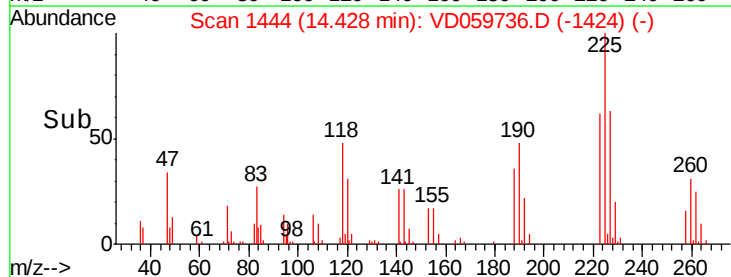
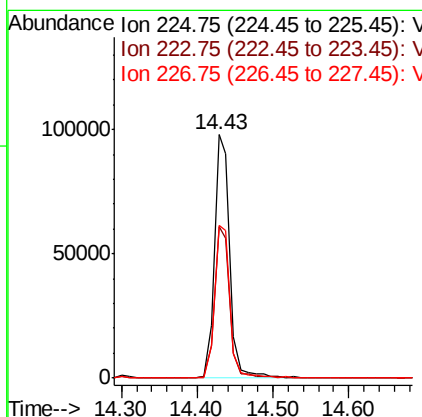
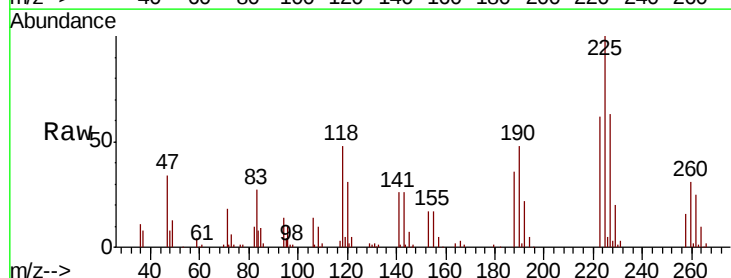
Manual Integrations
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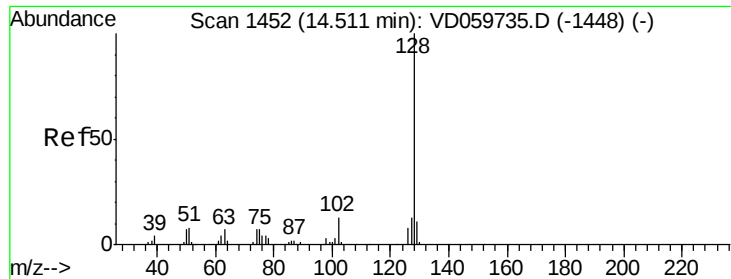
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#94
 Hexachlorobutadiene
 Concen: 79.33 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059736.D
 Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	141228		
223	62.2	31.5	94.5	
227	62.6	32.1	96.3	





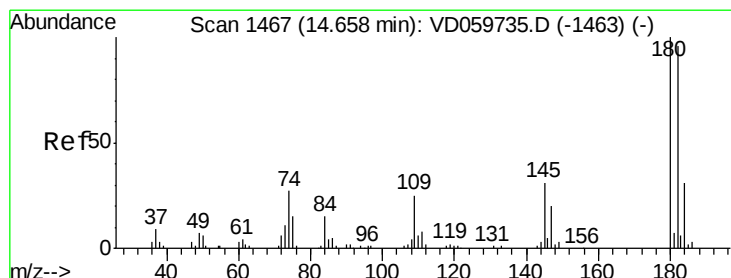
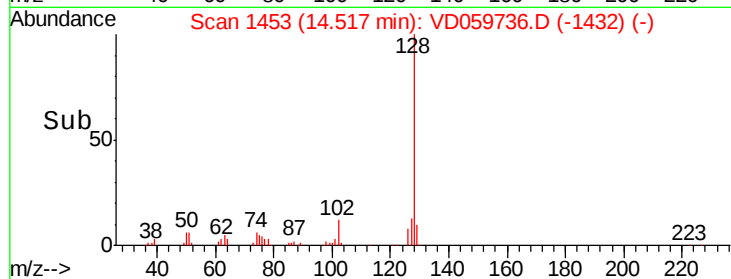
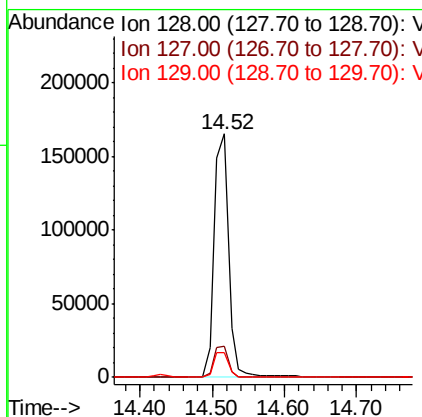
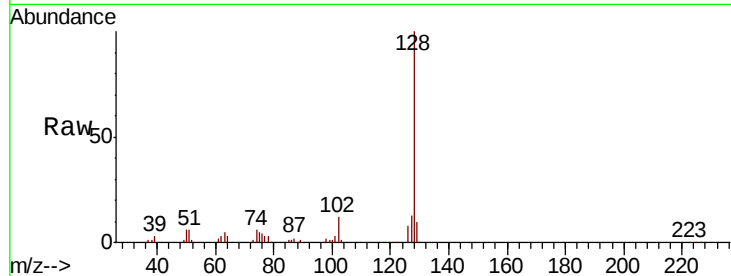
#95
Naphthalene
Concen: 68.64 ug/l
RT: 14.52 min Scan# 1453
Delta R.T. 0.01 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
128	100	228111		
127	12.9		10.4	15.6
129	10.4		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 74.48 ug/l
RT: 14.65 min Scan# 1467
Delta R.T. -0.00 min
Lab File: VD059736.D
Acq: 10 Aug 2018 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	146582		
182	93.3		48.1	144.4
145	33.8		15.4	46.4

