

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092518\
 Data File : VD060088.D
 Acq On : 25 Sep 2018 12:49
 Operator : VA/AP
 Sample : VD0925SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Manual Integrations
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 9/26/2018 12:22:13 PM

Quant Time: Sep 25 14:53:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1521780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2110254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1727023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	924725	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	624862	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	6.30	113	841054	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	9.44	98	2343630	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.42	95	905108	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	310146m	19.307	ug/l	
3) Chloromethane	1.74	50	328669	23.163	ug/l	98
4) Vinyl Chloride	1.84	62	261682	22.941	ug/l	99
5) Bromomethane	2.13	94	21209	15.708	ug/l	96
6) Chloroethane	2.23	64	58703	23.019	ug/l	97
7) Trichlorofluoromethane	2.48	101	289455	23.049	ug/l	98
8) Diethyl Ether	2.81	74	62796	23.523	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.07	101	191673	24.204	ug/l	93
10) Methyl Iodide	3.22	142	178785	21.316	ug/l	93
11) Tert butyl alcohol	3.95	59	86100	89.914	ug/l #	94
12) 1,1-Dichloroethene	3.05	96	153337	24.489	ug/l	96
13) Acrolein	2.96	56	49323	83.176	ug/l	100
14) Allyl chloride	3.52	41	315348	23.881	ug/l	95
15) Acrylonitrile	4.06	53	396989	109.830	ug/l	98
16) Acetone	3.14	43	320025	139.674	ug/l	98
17) Carbon Disulfide	3.29	76	476185	22.072	ug/l	99
18) Methyl Acetate	3.53	43	107474	23.065	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	633448	21.895	ug/l	100
20) Methylene Chloride	3.69	84	427132	22.191	ug/l	97
21) trans-1,2-Dichloroethene	4.08	96	354424	21.570	ug/l	97
22) Diisopropyl ether	4.83	45	1355418	22.502	ug/l	99
23) Vinyl Acetate	4.78	43	3846771	112.728	ug/l	100
24) 1,1-Dichloroethane	4.74	63	588477	21.771	ug/l	99
25) 2-Butanone	5.60	43	760884	123.064	ug/l	100
26) 2,2-Dichloropropane	5.56	77	468941	22.315	ug/l	98
27) cis-1,2-Dichloroethene	5.57	96	378263	22.008	ug/l	96
28) Bromochloromethane	5.91	49	281189	21.641	ug/l	99
29) Tetrahydrofuran	5.94	42	352789	106.397	ug/l	99
30) Chloroform	6.08	83	608618	22.203	ug/l	97
31) Cyclohexane	6.35	56	534525	20.281	ug/l	97
32) 1,1,1-Trichloroethane	6.27	97	496989	21.860	ug/l	100
36) 1,1-Dichloropropene	6.51	75	458951	21.894	ug/l	96
37) Ethyl Acetate	5.68	43	327697	22.733	ug/l	99
38) Carbon Tetrachloride	6.48	117	417707	21.346	ug/l	99

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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	8.02	83	528182	22.274	ug/l	94
40) Benzene	6.77	78	1185289	22.185	ug/l	100
41) Methacrylonitrile	5.91	41	140039m	18.548	ug/l	
42) 1,2-Dichloroethane	6.87	62	338003	21.070	ug/l	99
43) Isopropyl Acetate	8.34	43	403234	20.892	ug/l	99
44) Trichloroethene	7.72	130	365668	22.152	ug/l	99
45) 1,2-Dichloropropane	8.08	63	315801	22.105	ug/l	98
46) Dibromomethane	8.20	93	204498	21.938	ug/l	97
47) Bromodichloromethane	8.47	83	435923	21.691	ug/l	99
48) Methyl methacrylate	8.23	41	231628	21.548	ug/l	100
49) 1,4-Dioxane	8.22	88	43730	409.590	ug/l	94
51) 4-Methyl-2-Pentanone	9.33	43	1630722	116.645	ug/l	99
52) Toluene	9.54	92	772853	22.568	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	398448	21.258	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	489426	21.854	ug/l	96
55) 1,1,2-Trichloroethane	10.17	97	256167	21.544	ug/l	99
56) Ethyl methacrylate	10.02	69	286860	21.751	ug/l	99
57) 1,3-Dichloropropane	10.36	76	389143	22.172	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	714471	112.187	ug/l	98
59) 2-Hexanone	10.47	43	1217566	121.759	ug/l	98
60) Dibromochloromethane	10.63	129	316788	21.889	ug/l	99
61) 1,2-Dibromoethane	10.75	107	264767	21.567	ug/l	98
64) Tetrachloroethene	10.24	164	331107	21.730	ug/l	98
65) Chlorobenzene	11.30	112	844499	22.744	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	295548	23.600	ug/l	99
67) Ethyl Benzene	11.42	91	1466135	24.537	ug/l	98
68) m/p-Xylenes	11.56	106	1062567	48.150	ug/l	96
69) o-Xylene	11.93	106	501280	22.925	ug/l	95
70) Styrene	11.95	104	862819	23.468	ug/l	98
71) Bromoform	12.11	173	222631	20.691	ug/l	97
73) Isopropylbenzene	12.26	105	1419309	23.403	ug/l	98
74) N-amyl acetate	12.13	43	518445	21.581	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	296117	21.523	ug/l	96
76) 1,2,3-Trichloropropane	12.59	75	301680	21.361	ug/l	97
77) Bromobenzene	12.53	156	402625	23.047	ug/l	93
78) n-propylbenzene	12.63	91	1771099	23.223	ug/l	97
79) 2-Chlorotoluene	12.70	91	955405	22.195	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	1124037	24.181	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	85577	20.073	ug/l	94
82) 4-Chlorotoluene	12.80	91	1120609	23.679	ug/l	92
83) tert-Butylbenzene	13.04	119	1239213	23.011	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	1121678	22.612	ug/l	97
85) sec-Butylbenzene	13.22	105	1472118	23.029	ug/l	96
86) p-Isopropyltoluene	13.34	119	1232763	23.843	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	710198	23.377	ug/l	95
88) 1,4-Dichlorobenzene	13.39	146	707366	22.956	ug/l	98
89) n-Butylbenzene	13.64	91	1223556	22.145	ug/l	98
90) Hexachloroethane	13.85	117	272807	21.303	ug/l	84
91) 1,2-Dichlorobenzene	13.65	146	623632	22.470	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	39384	18.777	ug/l	68

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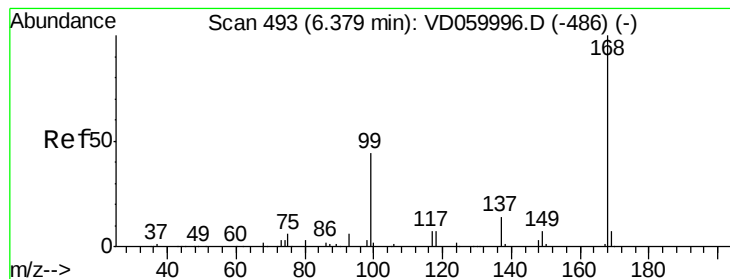
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	492546	22.751	ug/l	99
94) Hexachlorobutadiene	14.87	225	333897	23.315	ug/l	97
95) Naphthalene	14.96	128	721519	21.580	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	421275	22.081	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion:168 Resp: 1521780

Ion Ratio Lower Upper

168 100

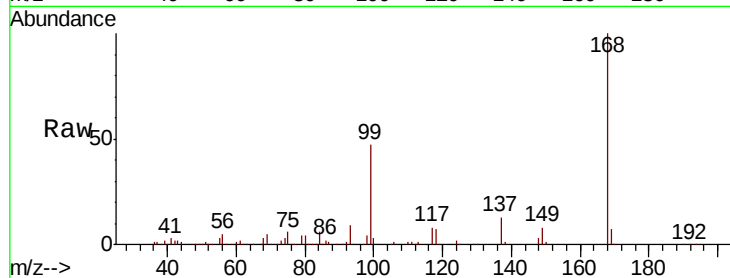
99 46.7 38.5 57.7

Manual Integrations

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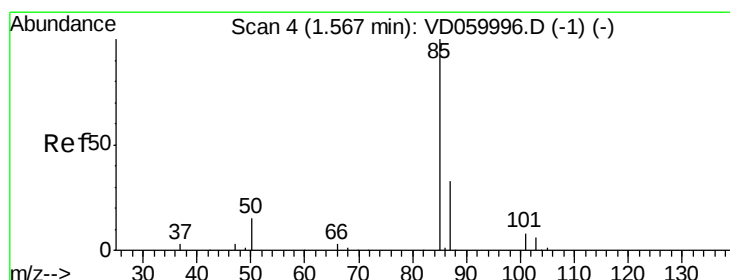
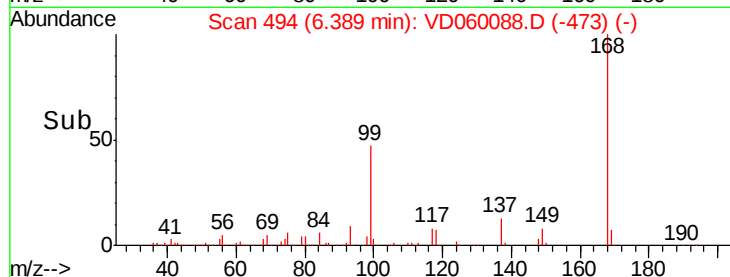
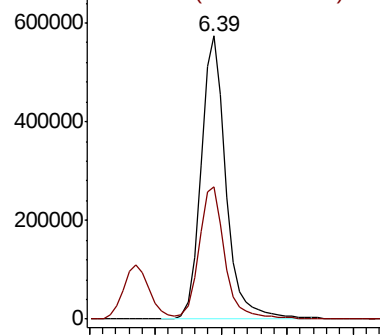
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.307 ug/l m

RT: 1.58 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060088.D

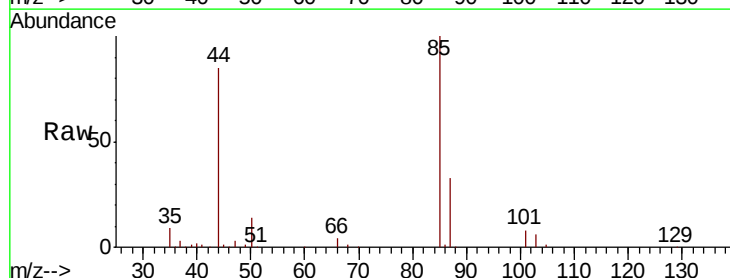
Acq: 25 Sep 2018 12:49

Tgt Ion: 85 Resp: 310146

Ion Ratio Lower Upper

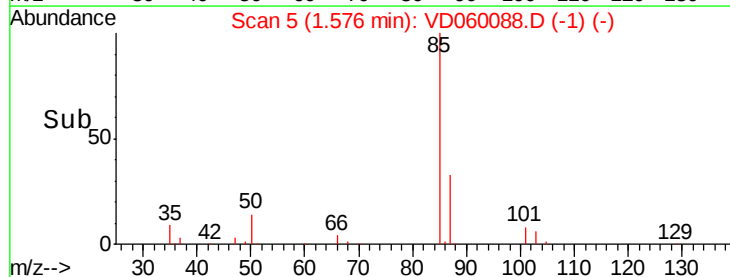
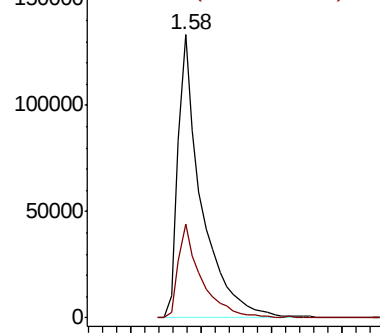
85 100

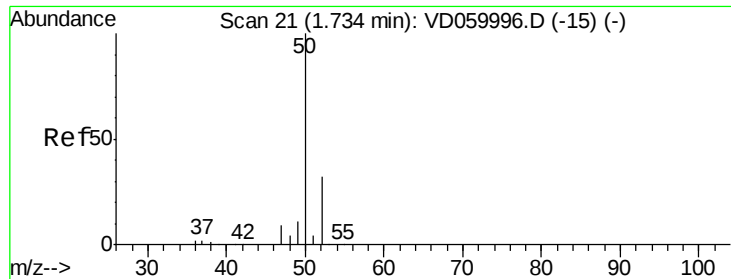
87 33.3 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.163 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 50 Resp: 328669

Ion Ratio Lower Upper

50 100

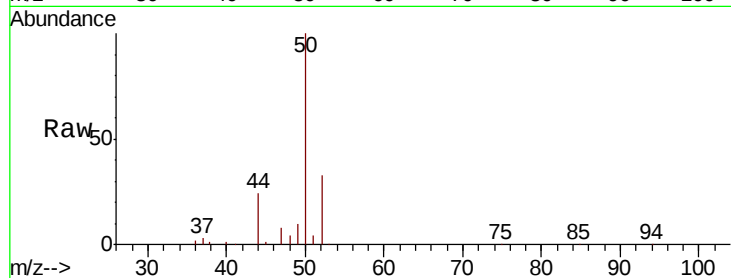
52 32.9 25.4 38.2

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

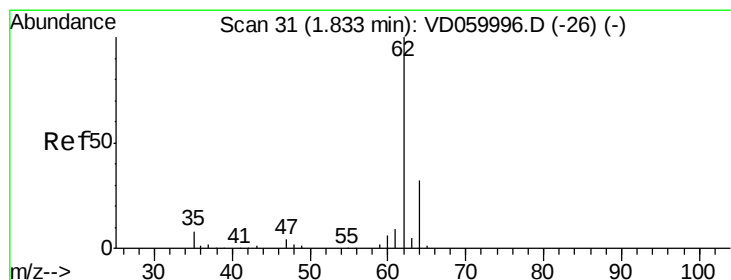
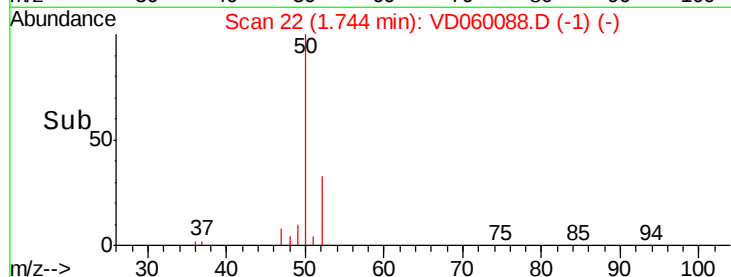
150000

100000

50000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 22.941 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060088.D

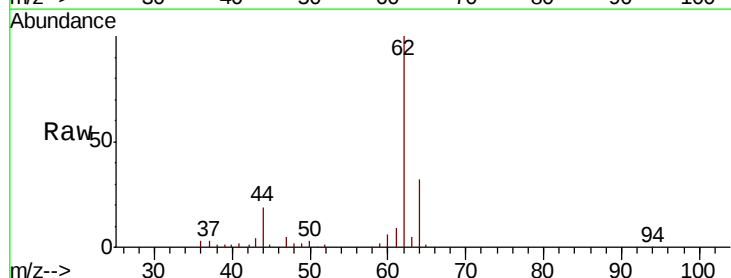
Acq: 25 Sep 2018 12:49

Tgt Ion: 62 Resp: 261682

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

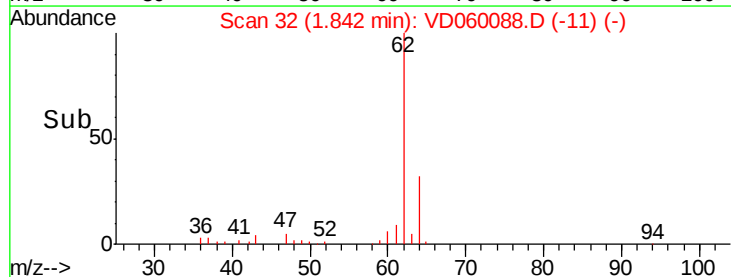
1.84

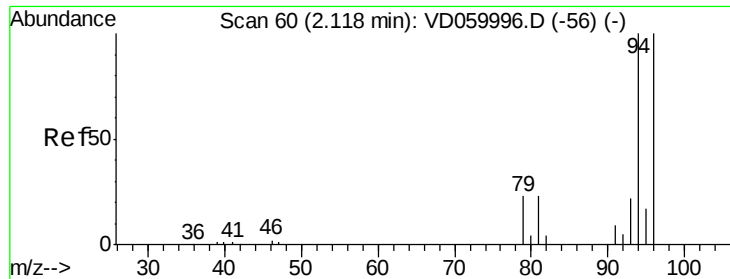
100000

50000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 15.708 ug/l

RT: 2.13 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 94 Resp: 21209

Ion Ratio Lower Upper

94 100

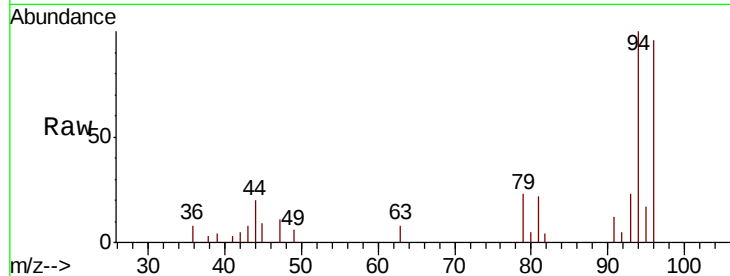
96 95.7 79.8 119.8

Manual Integrations

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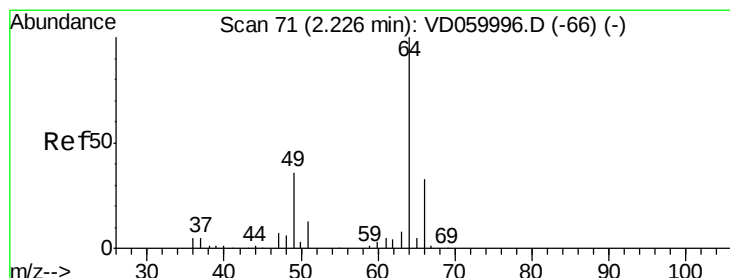
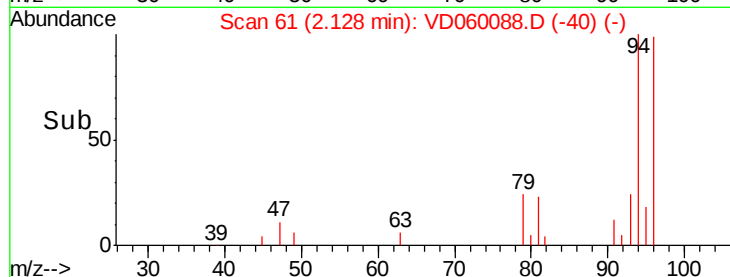
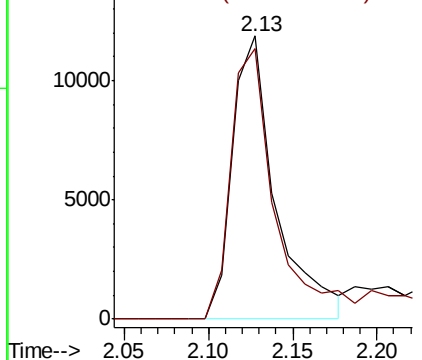
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.019 ug/l

RT: 2.23 min Scan# 71

Delta R.T. -0.00 min

Lab File: VD060088.D

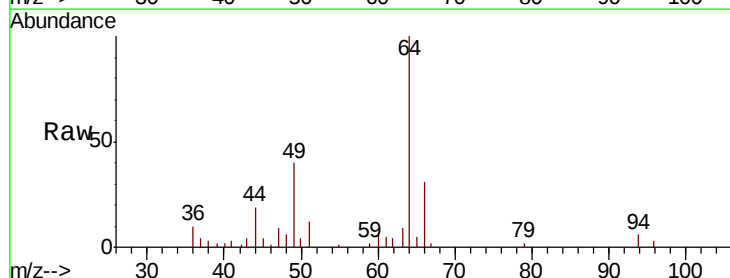
Acq: 25 Sep 2018 12:49

Tgt Ion: 64 Resp: 58703

Ion Ratio Lower Upper

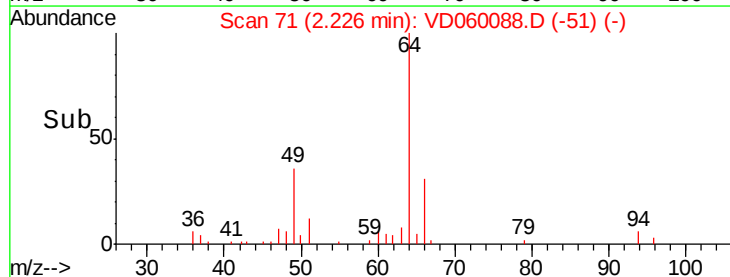
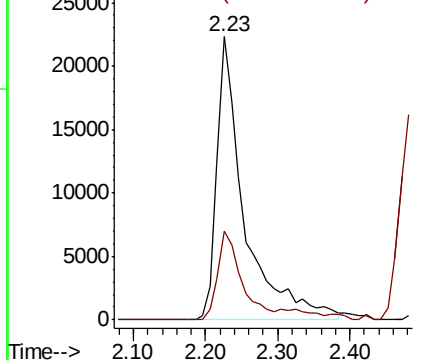
64 100

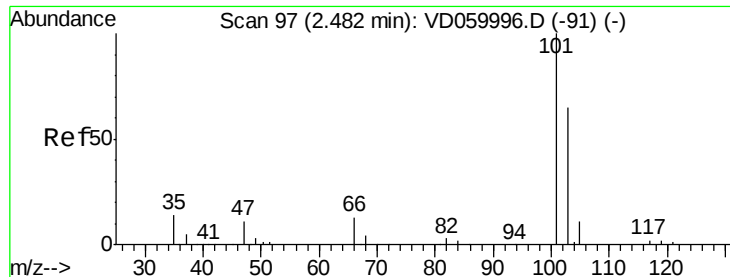
66 31.2 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

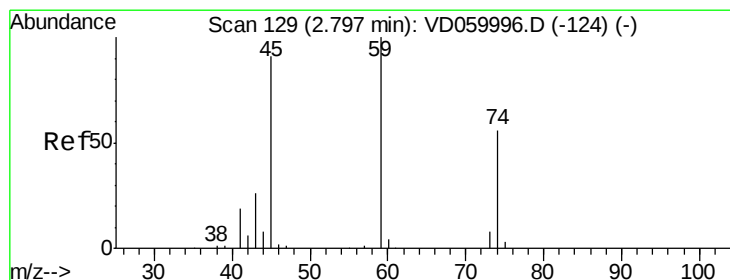
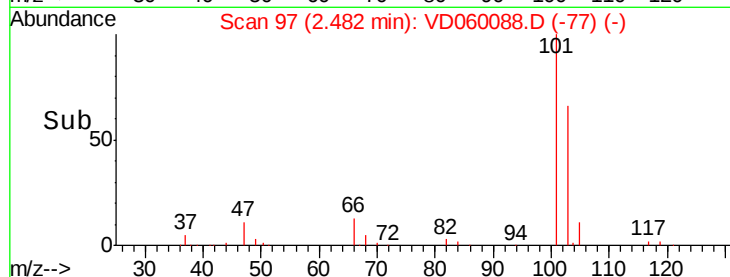
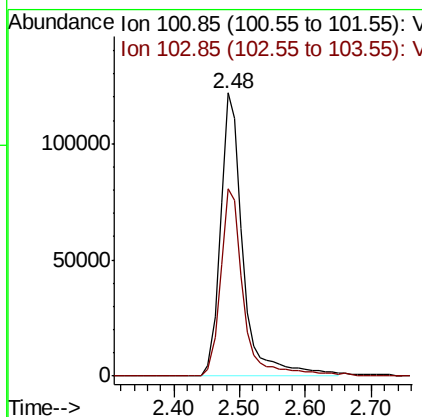
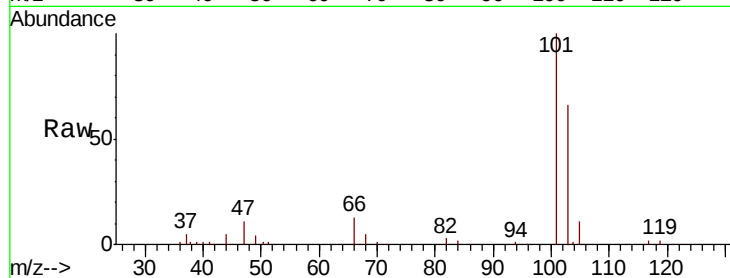
Trichlorofluoromethane
 Concen: 23.049 ug/l
 RT: 2.48 min Scan# 97
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Instrument :
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 VD0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	289455		
103	66.3	51.6	77.4	

Manual Integrations
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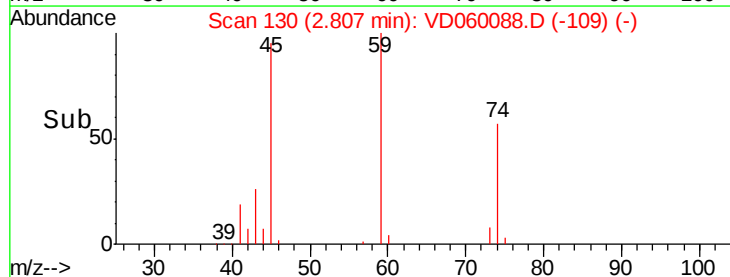
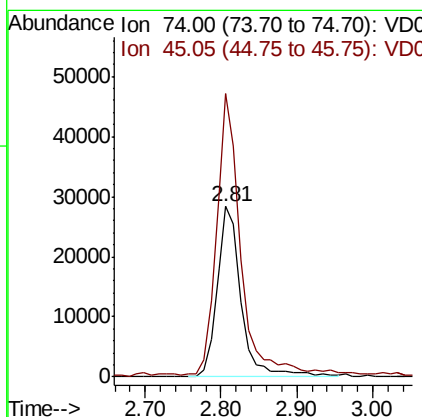
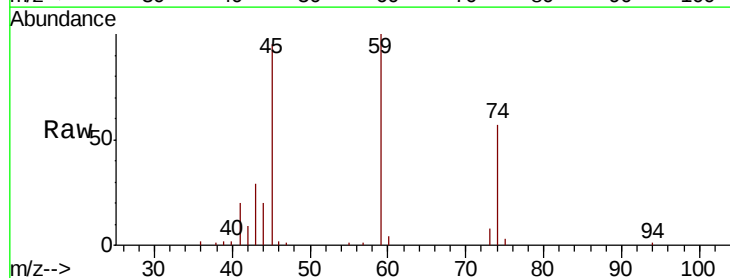
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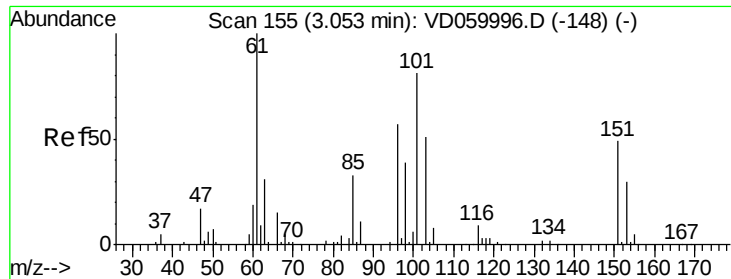


#8

Diethyl Ether
 Concen: 23.523 ug/l
 RT: 2.81 min Scan# 130
 Delta R.T. 0.01 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	62796		
45	165.9	81.2	243.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.204 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.02 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

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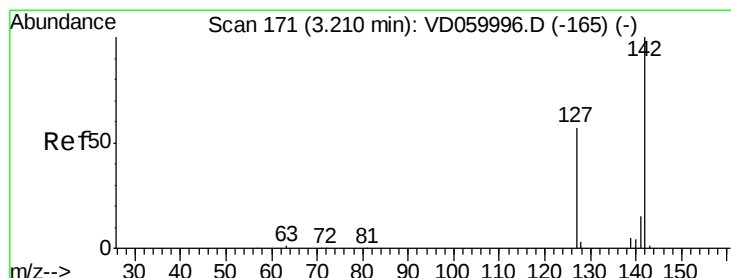
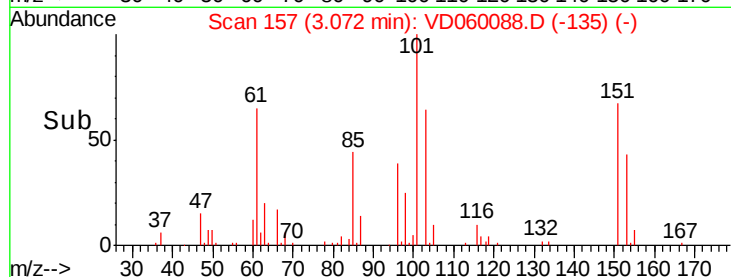
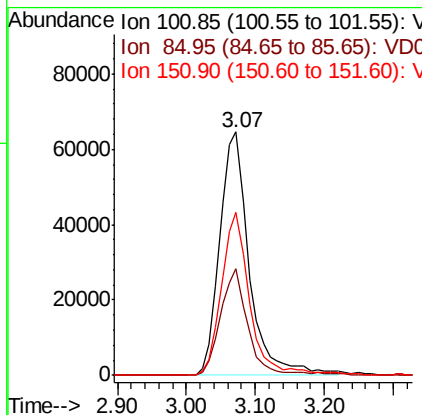
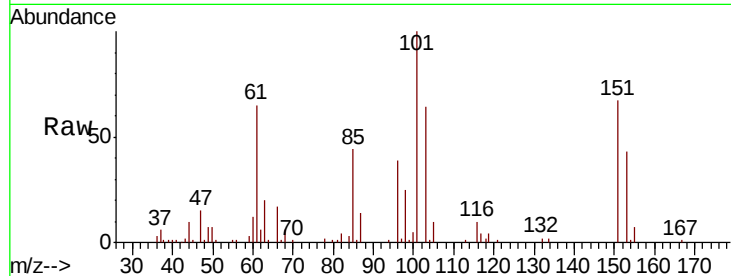
ClientSampleId :

VD0925SBS01

Tot Ion:	101	Resp:	191673
Ion Ratio	Lower	Upper	
101	100		
85	43.7	33.1	49.7
151	67.0	48.2	72.4

Manual Integrations
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#10

Methyl Iodide

Concen: 21.316 ug/l

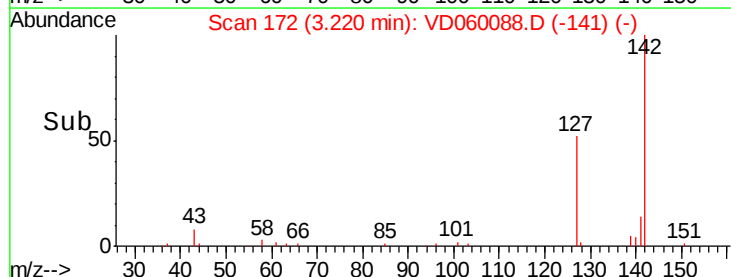
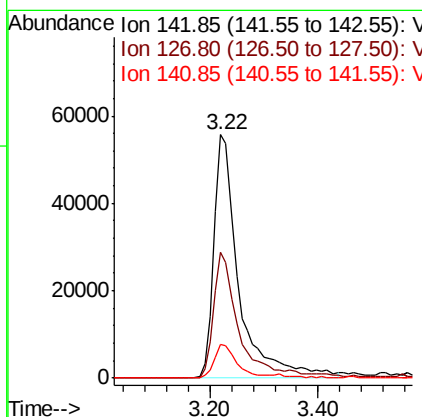
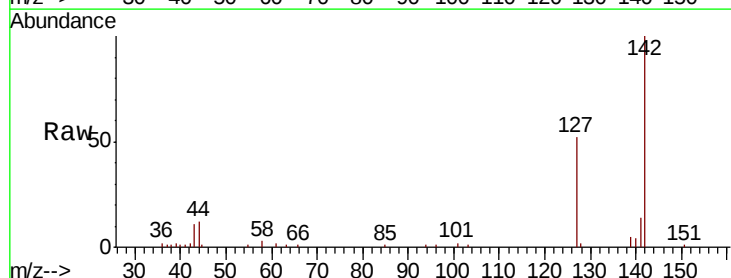
RT: 3.22 min Scan# 172

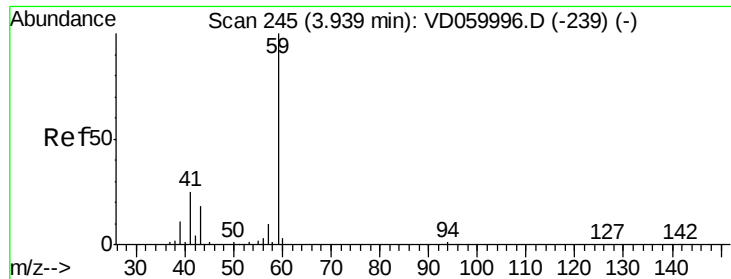
Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Tgt Ion:	142	Resp:	178785
Ion Ratio	Lower	Upper	
142	100		
127	51.8	45.8	68.8
141	13.8	12.2	18.4





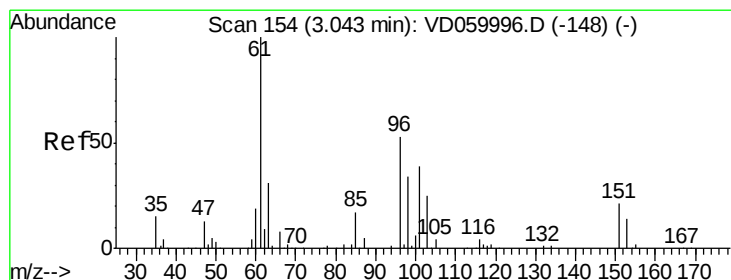
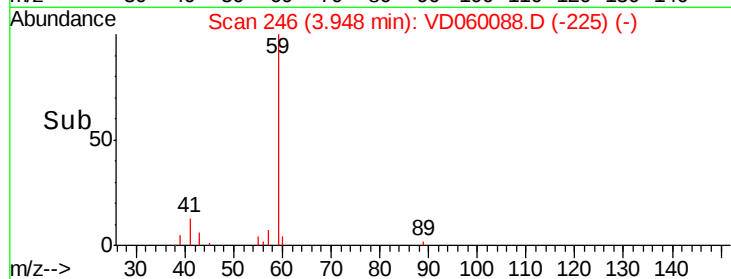
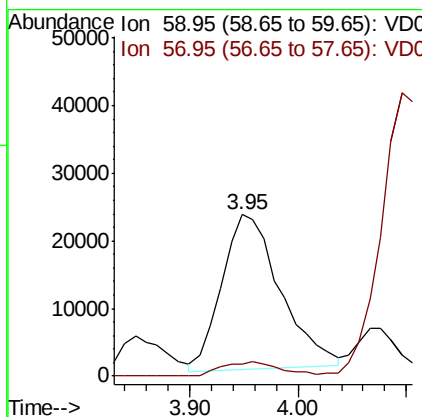
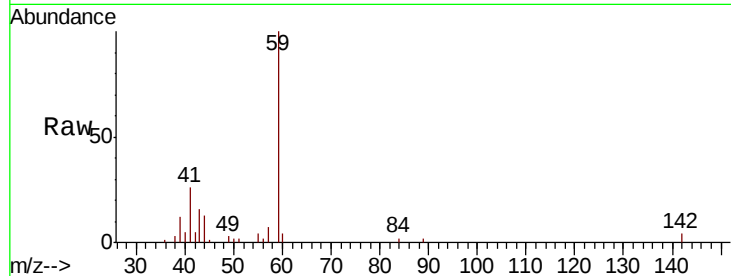
#11
Tert butyl alcohol
Concen: 89.914 ug/l
RT: 3.95 min Scan# 246
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion: 59 Resp: 86100
Ion Ratio Lower Upper
59 100
57 7.3 7.4 11.2#

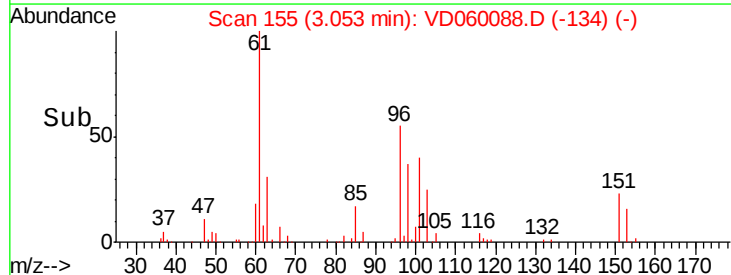
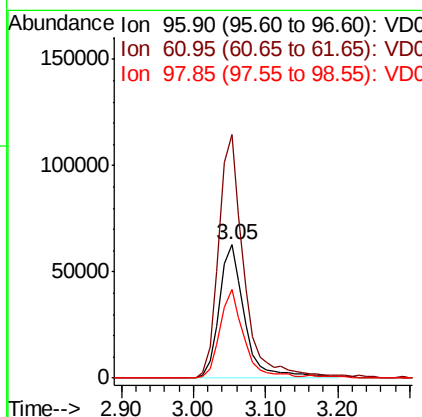
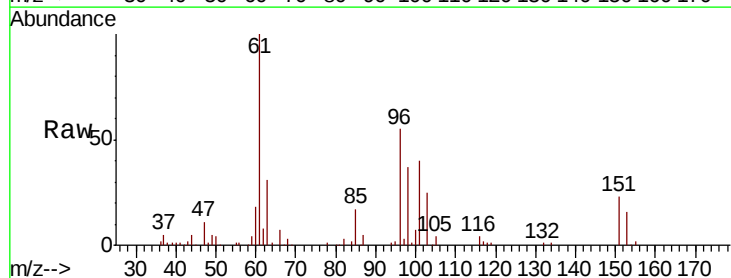
Manual Integrations
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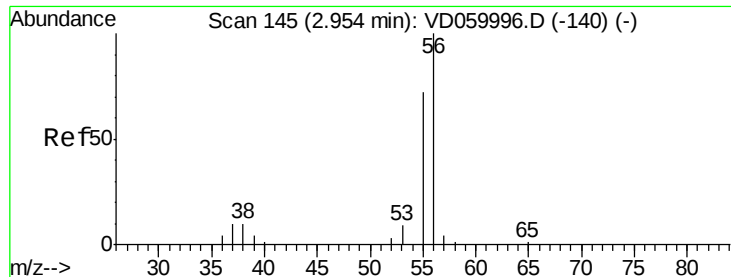
apatel
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#12
1,1-Dichloroethene
Concen: 24.489 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion: 96 Resp: 153337
Ion Ratio Lower Upper
96 100
61 183.0 149.8 224.6
98 67.1 50.2 75.4





#13

Acrolein

Concen: 83.176 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 56 Resp: 49323

Ion Ratio Lower Upper

56 100

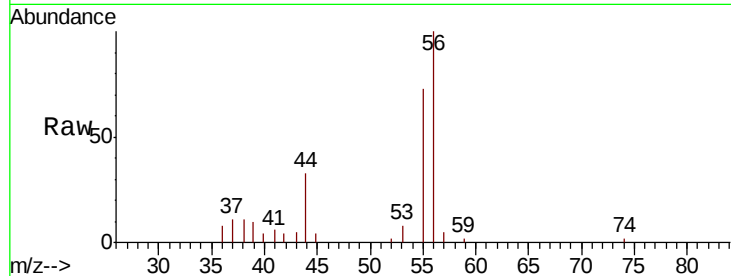
55 72.7 58.3 87.5

Manual Integrations

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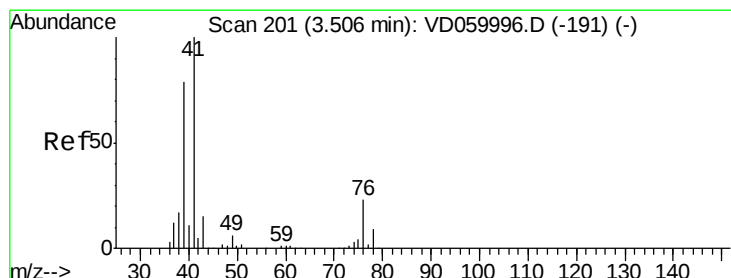
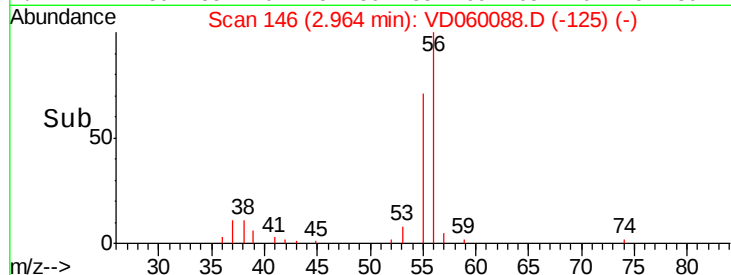
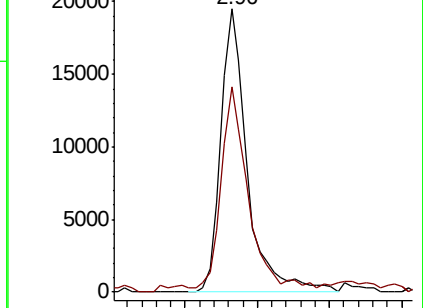
apatel

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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: 23.881 ug/l

RT: 3.52 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

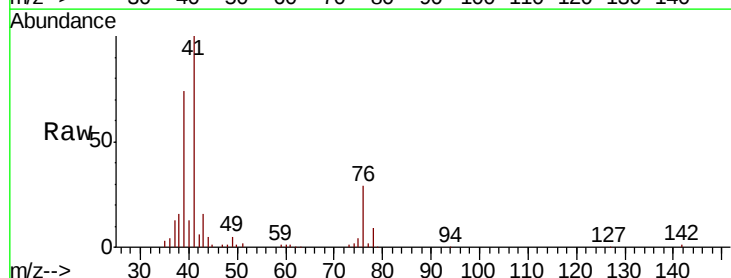
Tgt Ion: 41 Resp: 315348

Ion Ratio Lower Upper

41 100

39 74.3 63.6 95.4

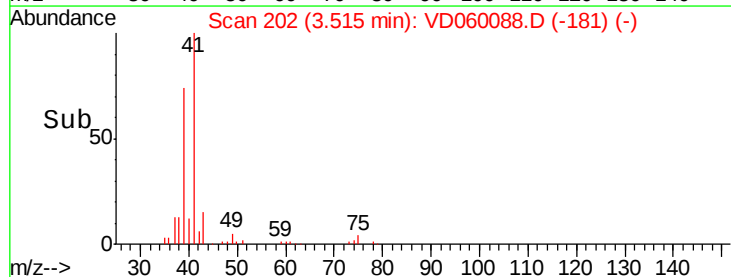
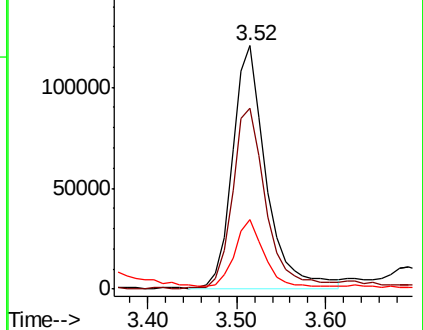
76 28.5 21.1 31.7

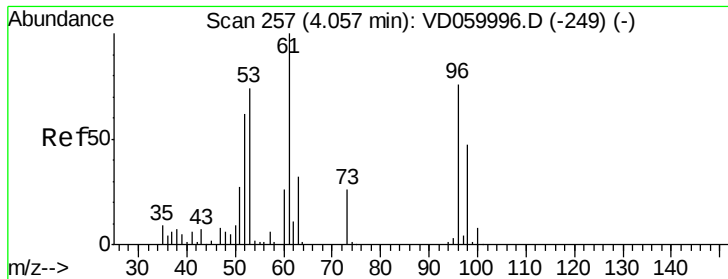


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 109.830 ug/l

RT: 4.06 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

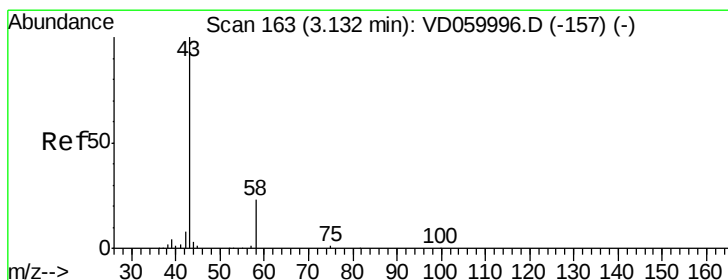
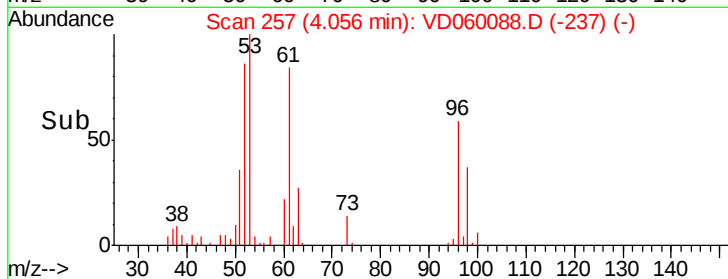
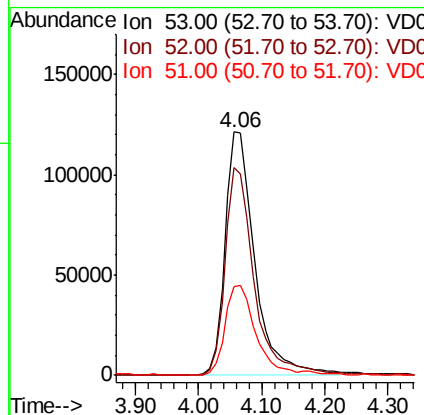
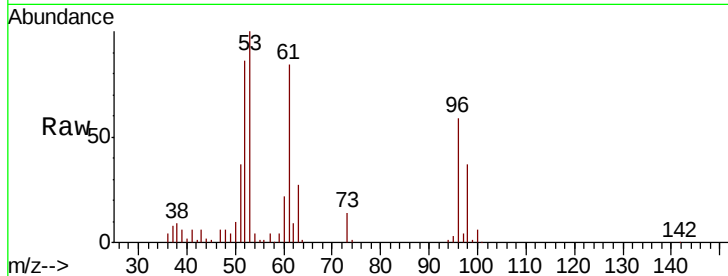
ClientSampleId :

VD0925SBS01

Tot Ion:	53	Resp:	396989
Ion	Ratio	Lower	Upper
53	100		
52	85.5	66.7	100.1
51	36.5	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 139.674 ug/l

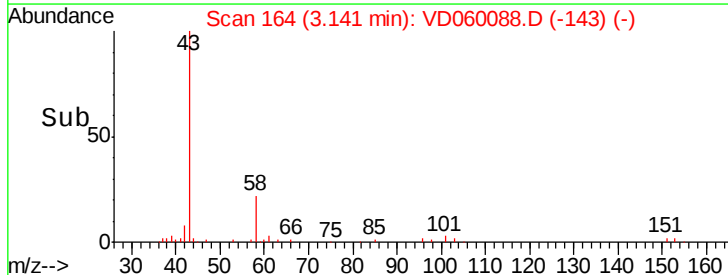
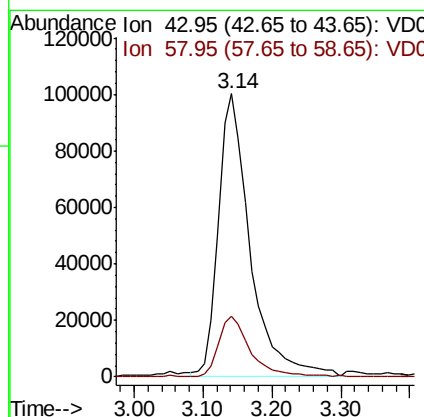
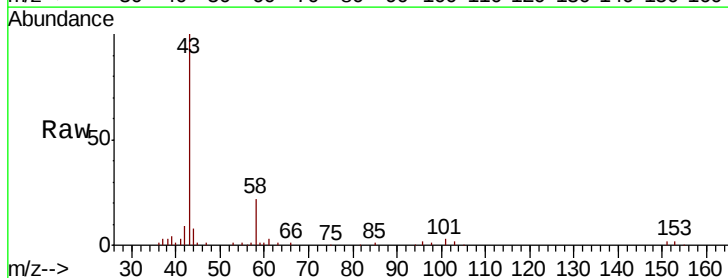
RT: 3.14 min Scan# 164

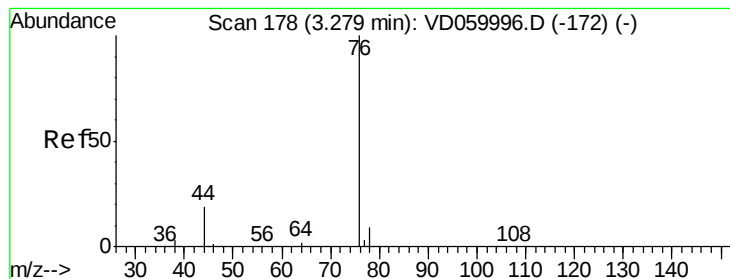
Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Tgt Ion:	43	Resp:	320025
Ion	Ratio	Lower	Upper
43	100		
58	21.6	18.1	27.1





#17

Carbon Disulfide

Concen: 22.072 ug/l

RT: 3.29 min Scan# 179

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 76 Resp: 476185

Ion Ratio Lower Upper

76 100

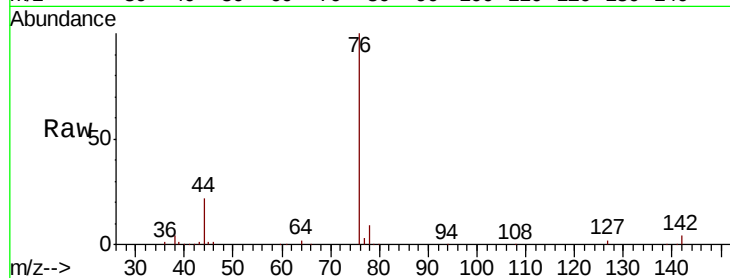
78 9.1 7.0 10.4

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

200000

150000

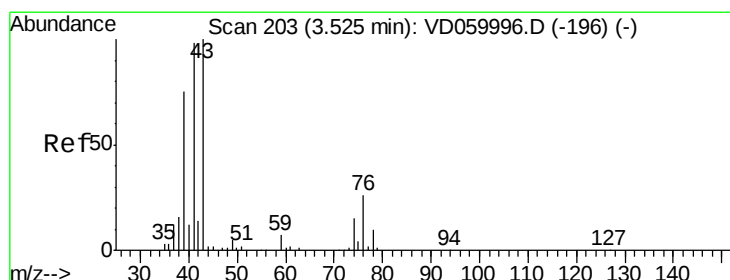
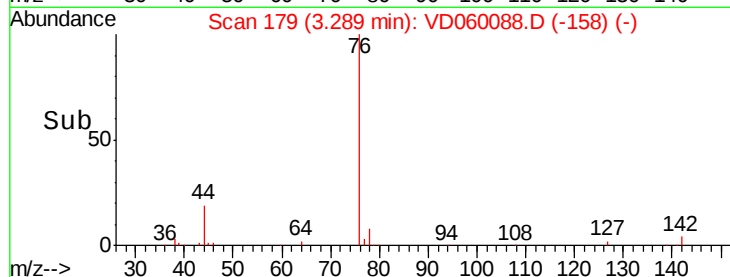
100000

50000

0

3.20 3.30 3.40 3.50

Time-->



#18

Methyl Acetate

Concen: 23.065 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.01 min

Lab File: VD060088.D

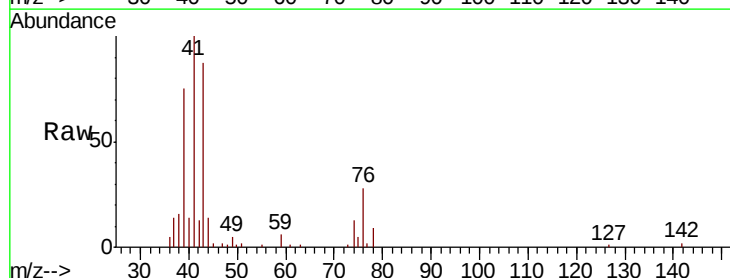
Acq: 25 Sep 2018 12:49

Tgt Ion: 43 Resp: 107474

Ion Ratio Lower Upper

43 100

74 15.1 11.8 17.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

30000

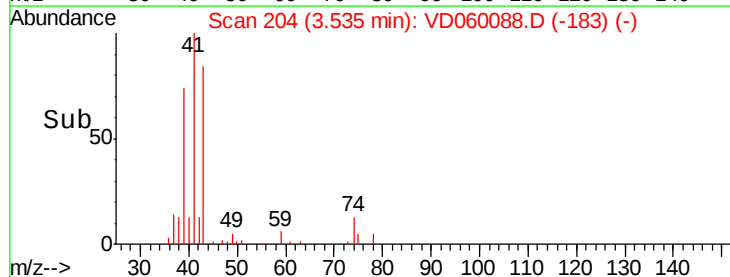
20000

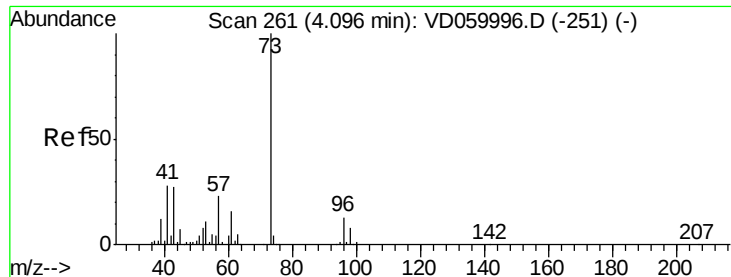
10000

0

3.40 3.50 3.60

Time-->





#19

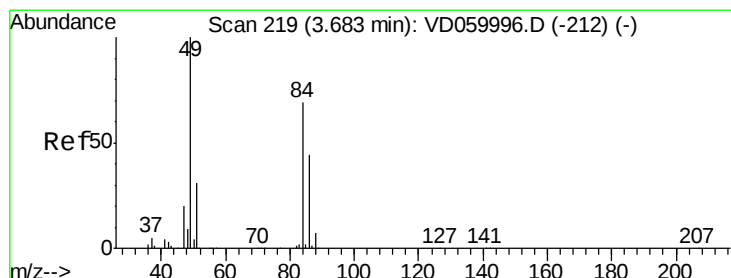
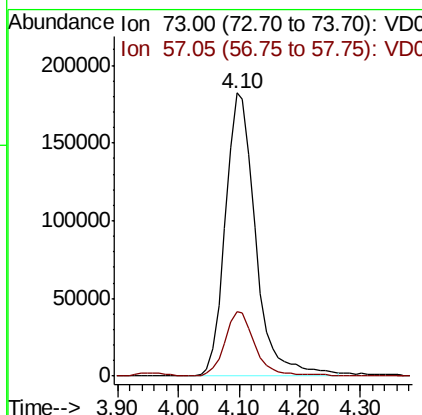
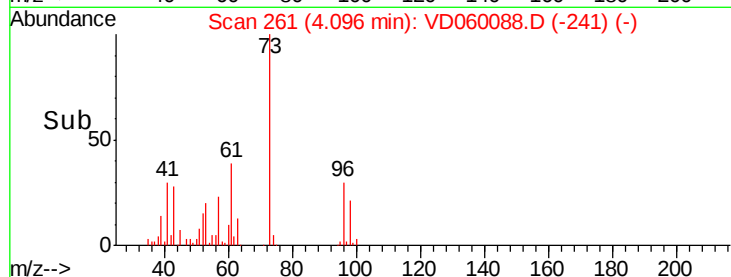
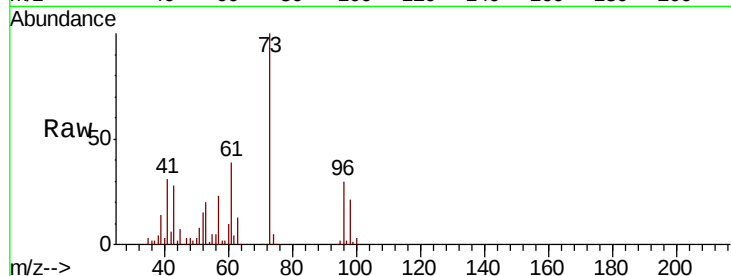
Methyl tert-butyl Ether
 Concen: 21.895 ug/l
 RT: 4.10 min Scan# 261
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0925SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.4	27.6

Manual Integrations
 APPROVED

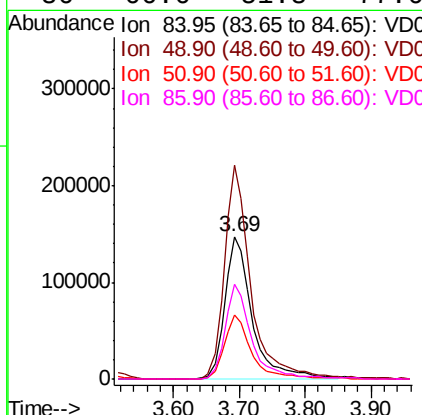
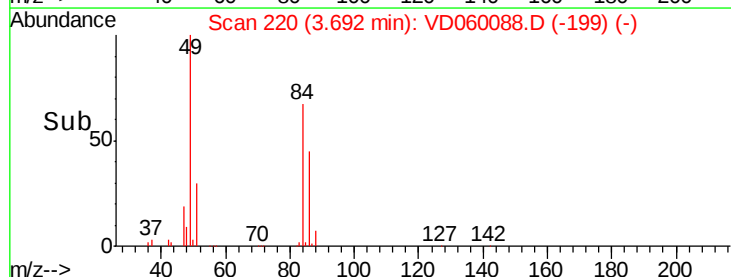
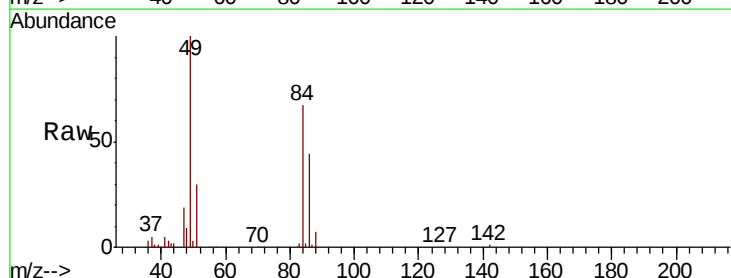
apatel
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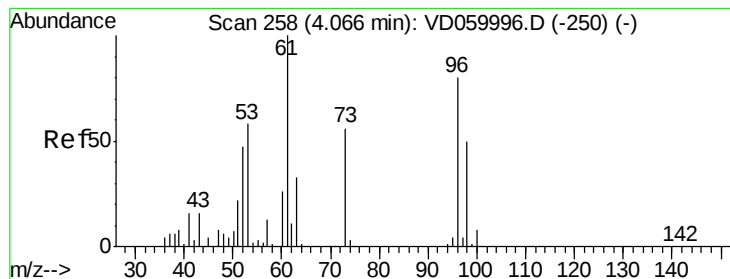


#20

Methylene Chloride
 Concen: 22.191 ug/l
 RT: 3.69 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.3	116.6	175.0
51	45.0	35.9	53.9
86	66.6	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 21.570 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleID :

VD0925SBS01

Tot Ion: 96 Resp: 354424

Ion Ratio Lower Upper

96 100

61 129.2 100.1 150.1

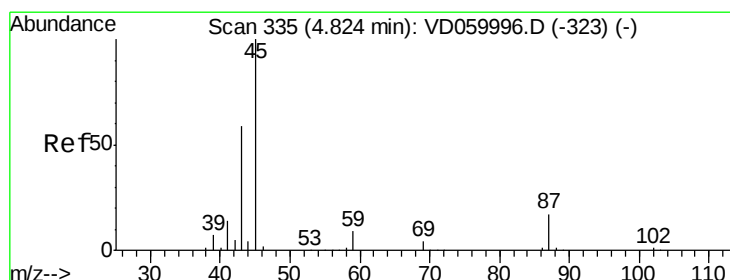
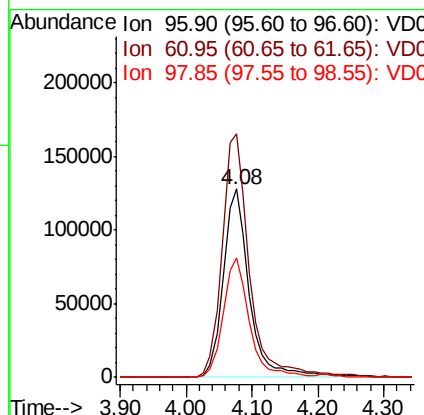
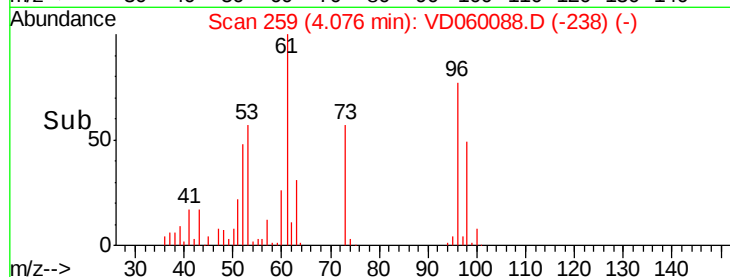
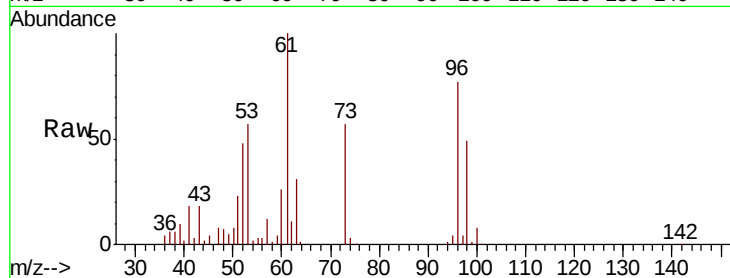
98 63.6 49.5 74.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 22.502 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Tgt Ion: 45 Resp: 1355418

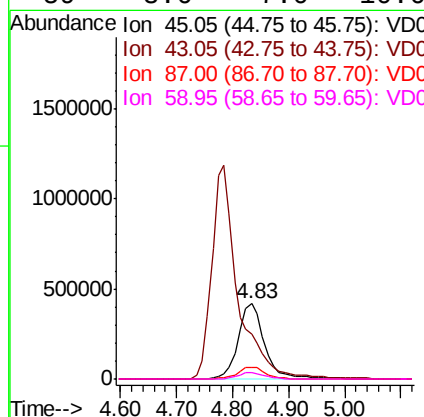
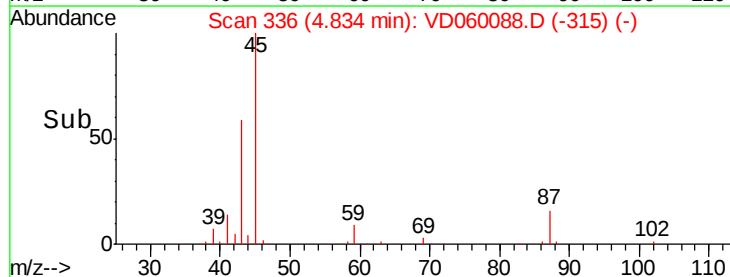
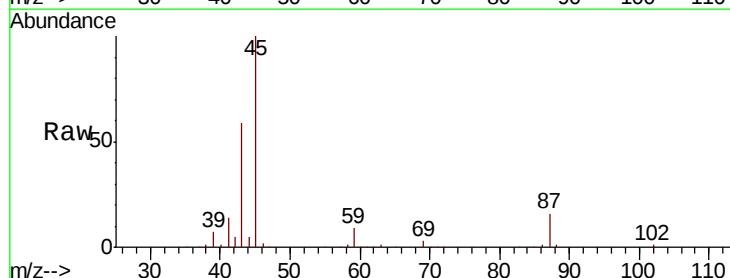
Ion Ratio Lower Upper

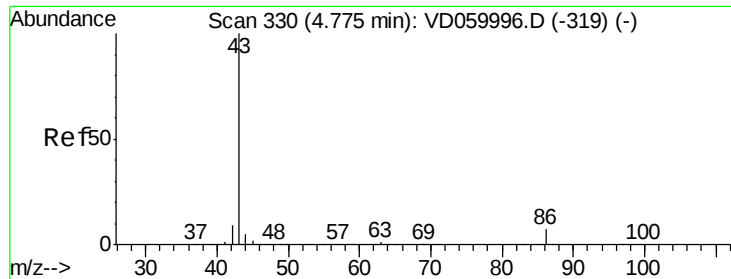
45 100

43 59.2 47.1 70.7

87 16.2 14.2 21.2

59 8.6 7.0 10.6





#23

Vinyl Acetate

Concen: 112.728 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 43 Resp: 3846771

Ion Ratio Lower Upper

43 100

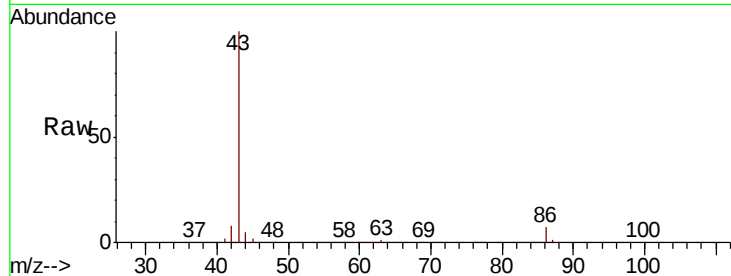
86 6.8 5.5 8.3

Manual Integrations

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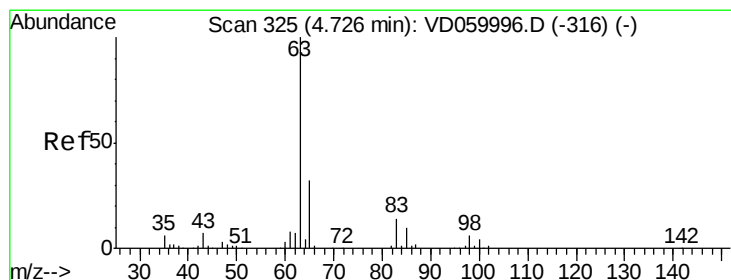
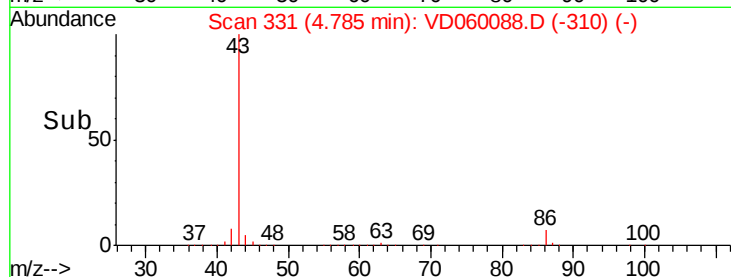
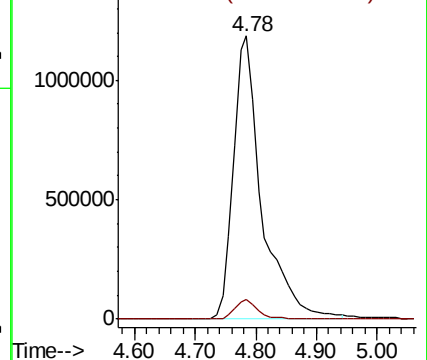
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.771 ug/l

RT: 4.74 min Scan# 326

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

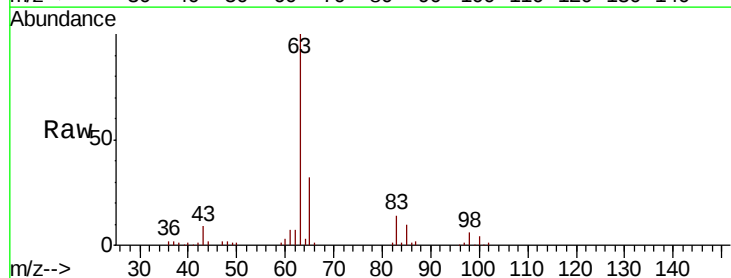
Tgt Ion: 63 Resp: 588477

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.6

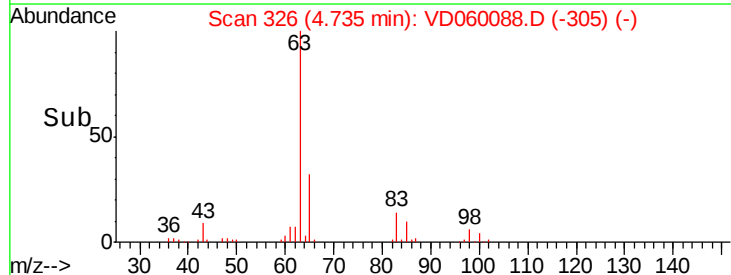
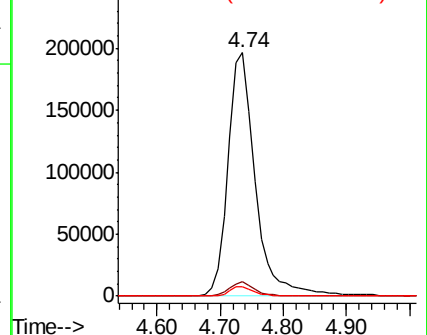
100 4.1 1.8 5.4

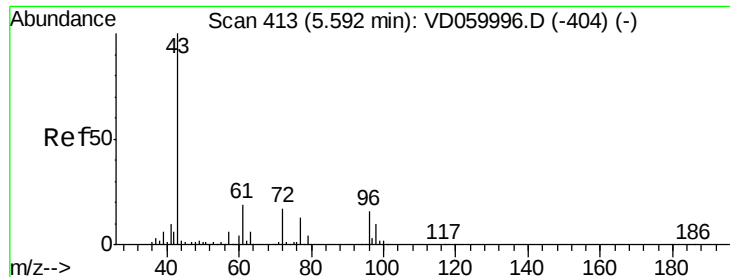


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 123.064 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 43 Resp: 760884

Ion Ratio Lower Upper

43 100

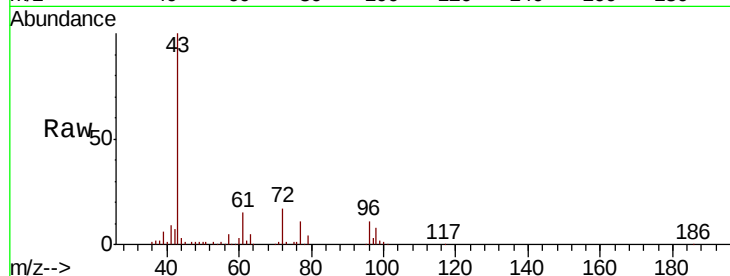
72 17.2 13.6 20.4

Manual Integrations

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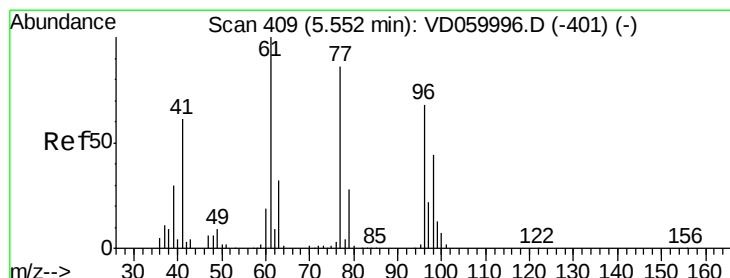
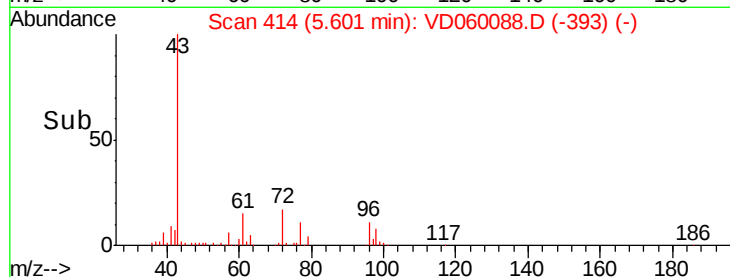
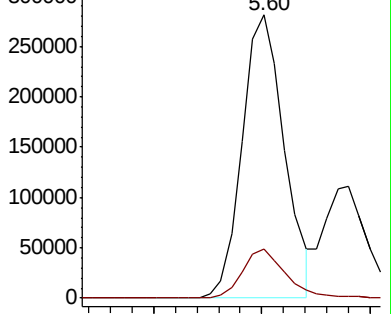
apatel

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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: 22.315 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.01 min

Lab File: VD060088.D

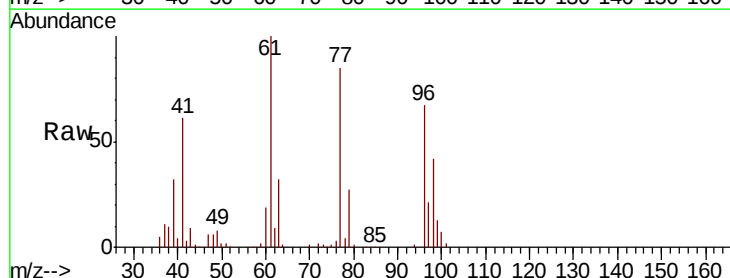
Acq: 25 Sep 2018 12:49

Tgt Ion: 77 Resp: 468941

Ion Ratio Lower Upper

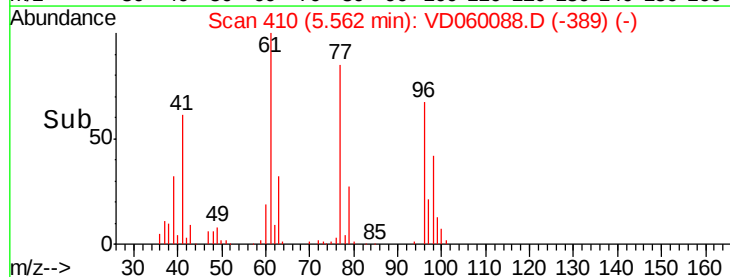
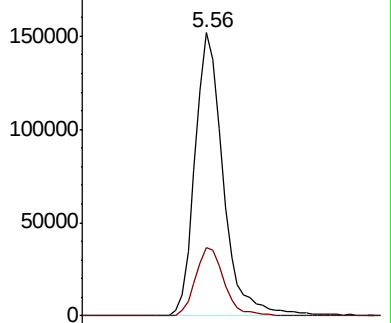
77 100

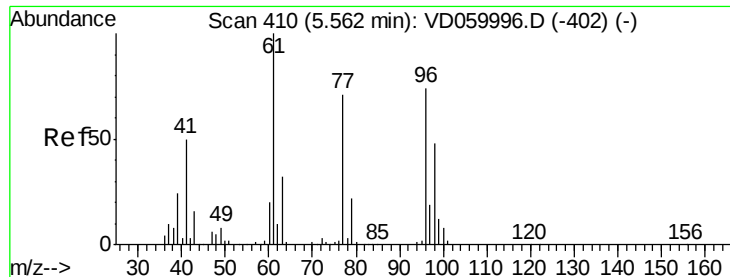
97 24.3 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

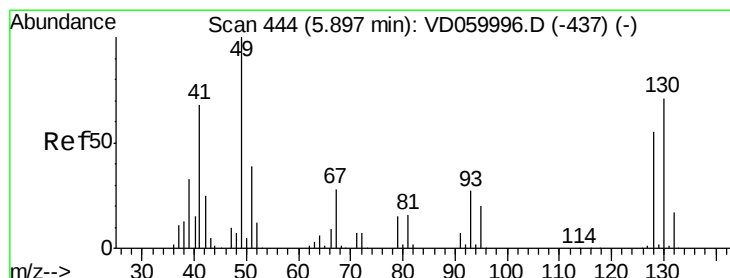
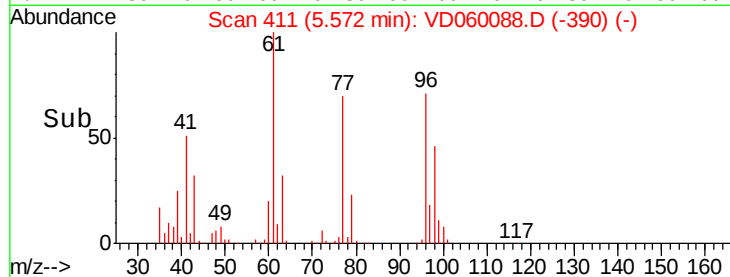
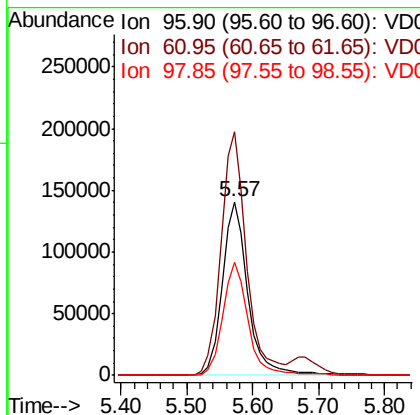
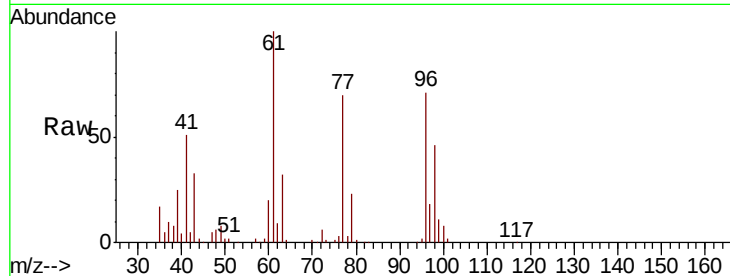
cis-1,2-Dichloroethene
Concen: 22.008 ug/l
RT: 5.57 min Scan# 411
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.5	0.0	269.6	
98	64.9	0.0	128.4	

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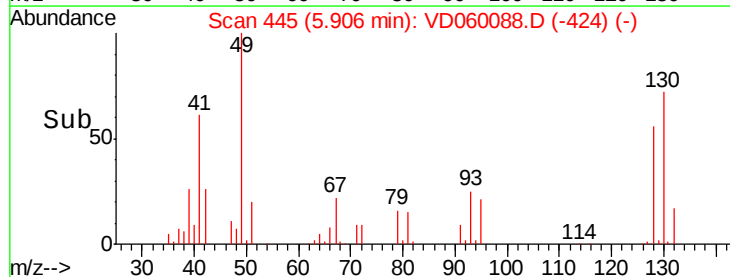
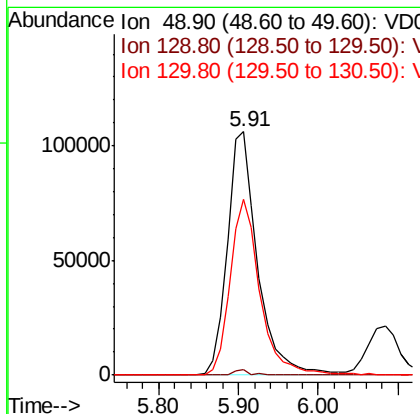
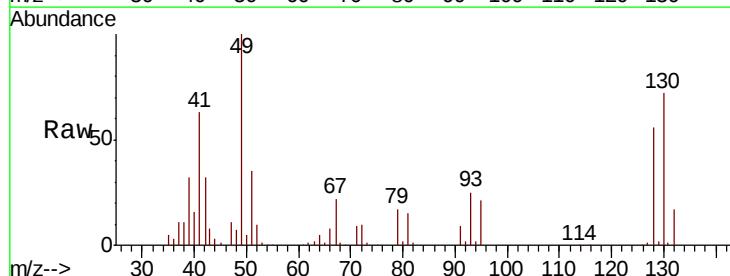
apatel
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#28

Bromochloromethane
Concen: 21.641 ug/l
RT: 5.91 min Scan# 445
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	3.6	
130	72.4	57.1	85.7	





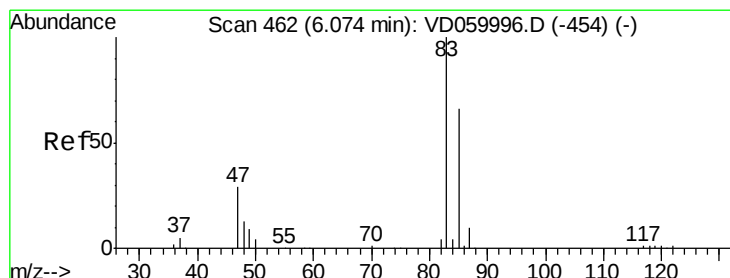
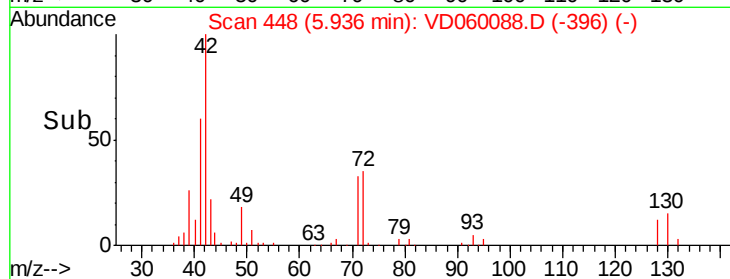
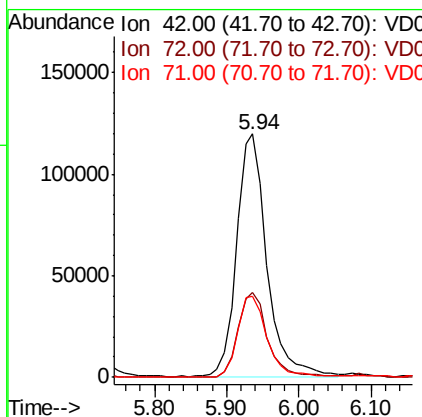
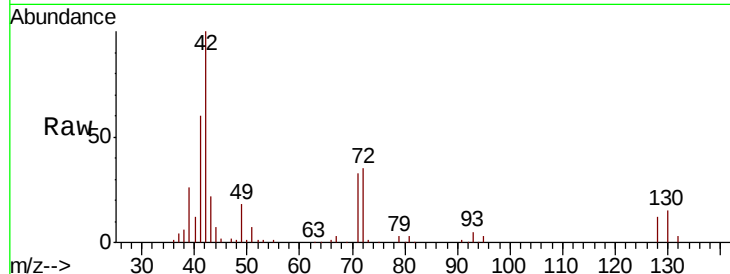
#29
Tetrahydrofuran
Concen: 106.397 ug/l
RT: 5.94 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.1	26.9	40.3
71	33.1	26.2	39.4

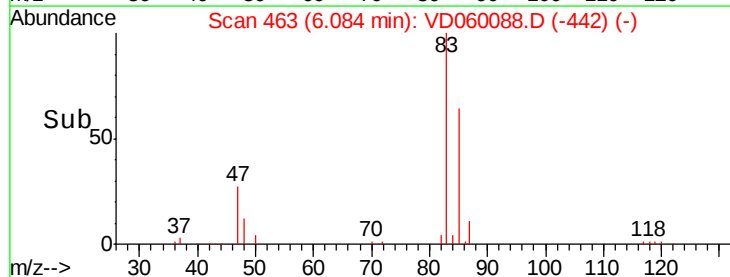
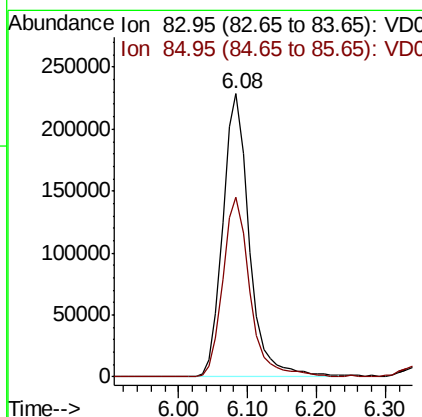
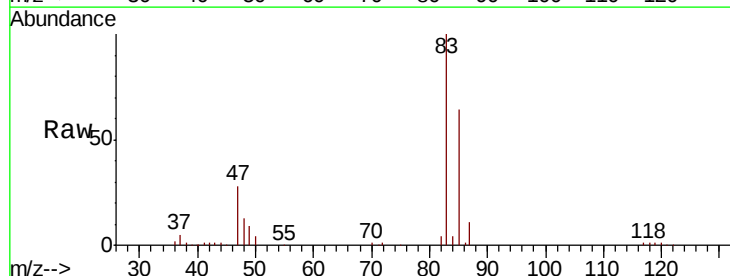
Manual Integrations
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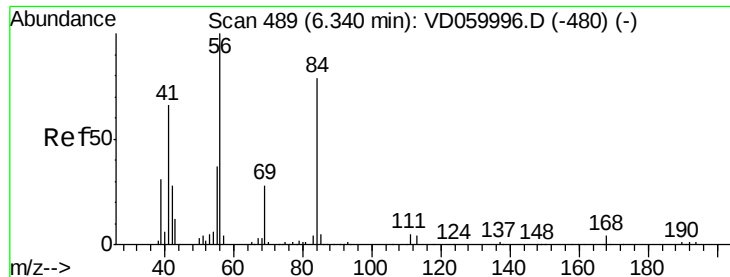
apatel
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#30
Chloroform
Concen: 22.203 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.6	78.8





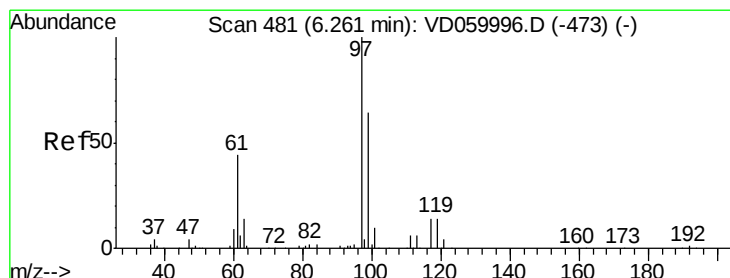
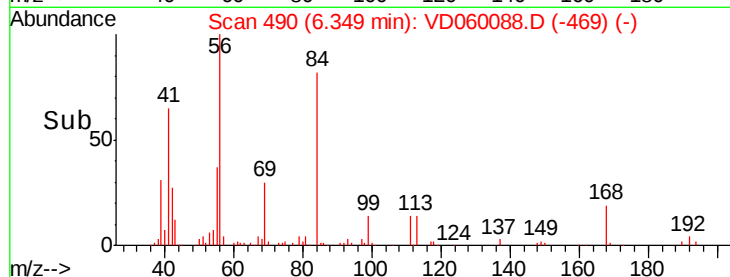
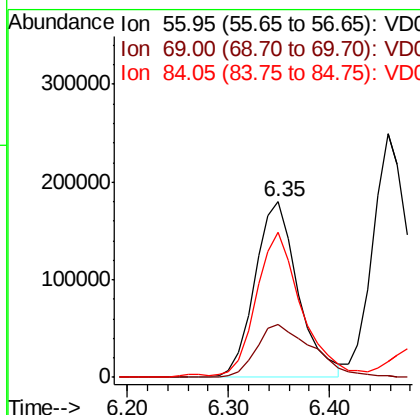
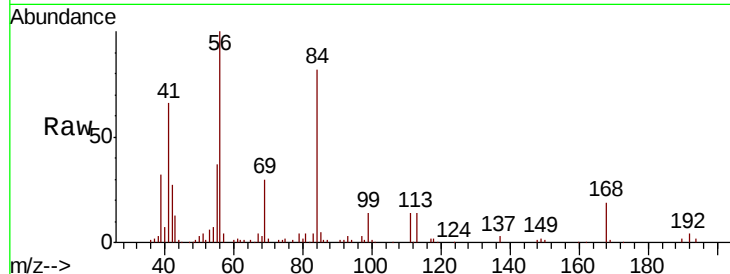
#31
Cvclohexane
Concen: 20.281 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	22.7	34.1
84	82.4	64.0	96.0

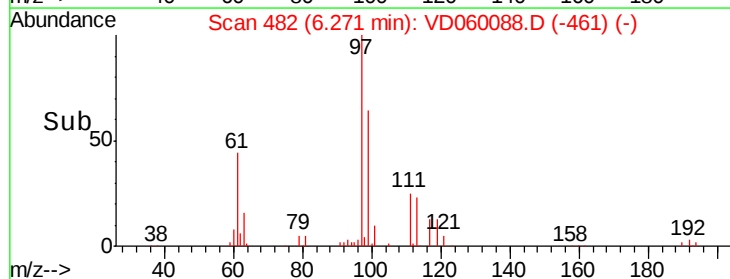
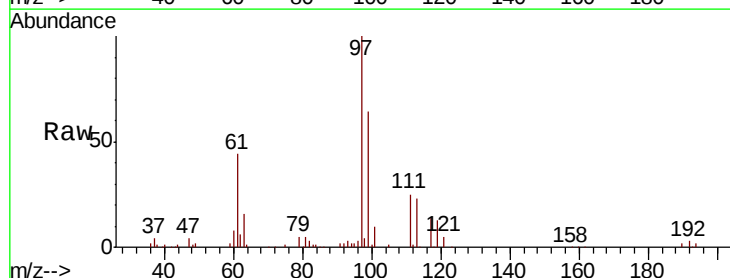
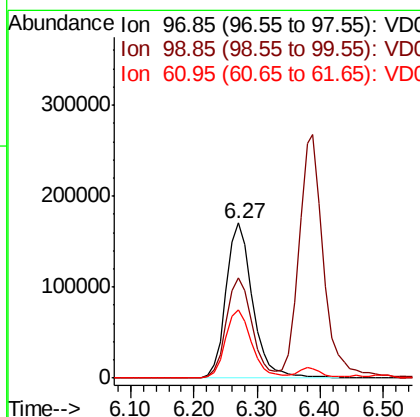
Manual Integrations
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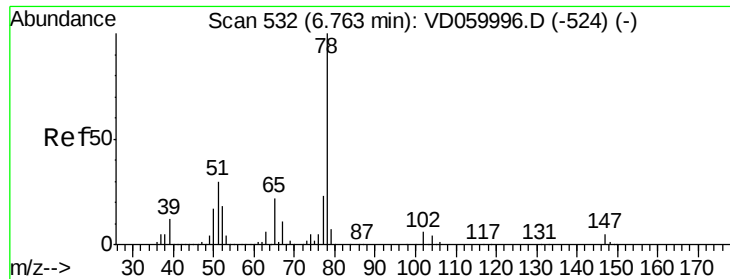
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#32
1,1,1-Trichloroethane
Concen: 21.860 ug/l
RT: 6.27 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.3	76.9
61	44.4	35.5	53.3





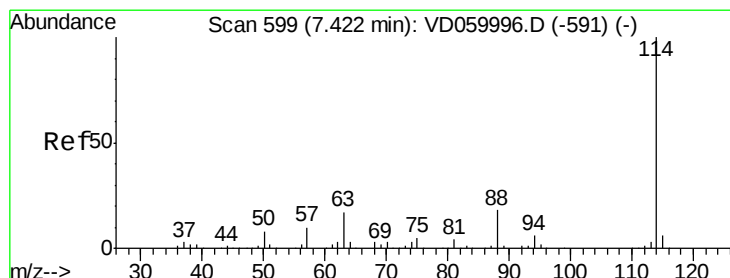
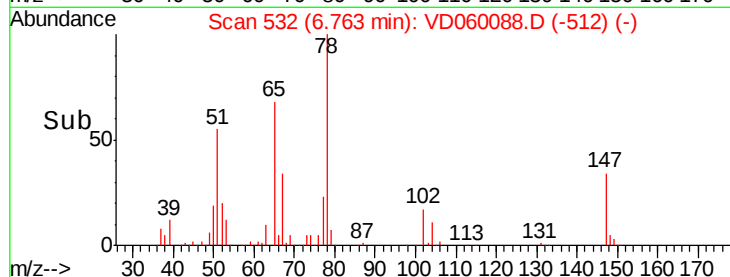
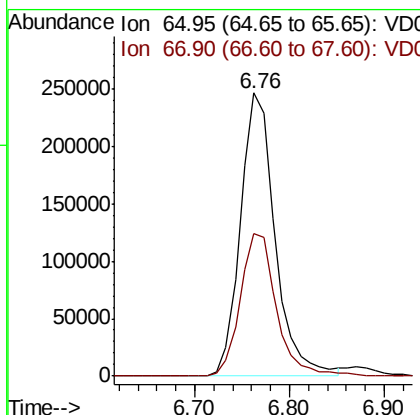
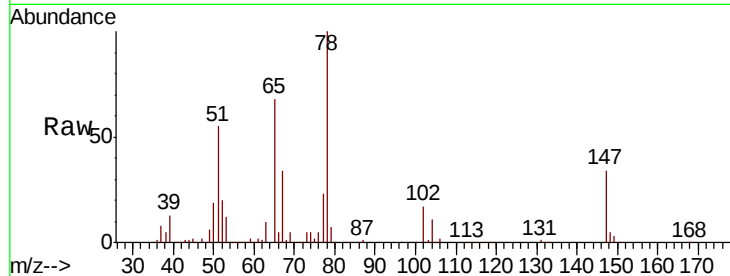
#33
 1,2-Dichloroethane-d4
 Concen: 21.860 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.5	0.0	104.8	

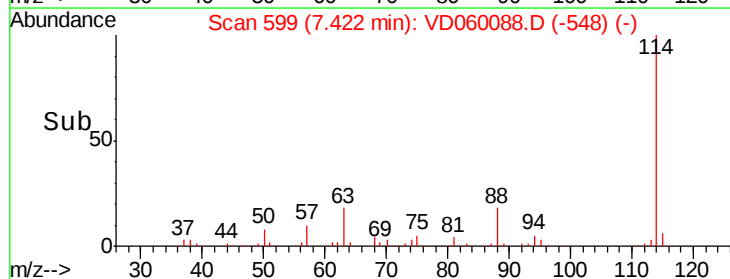
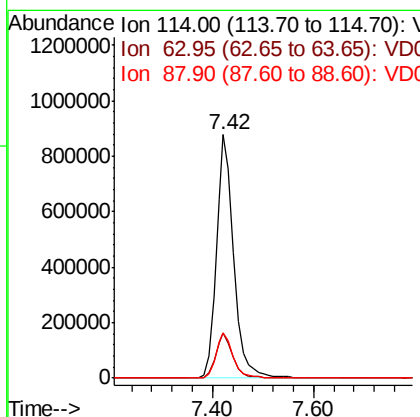
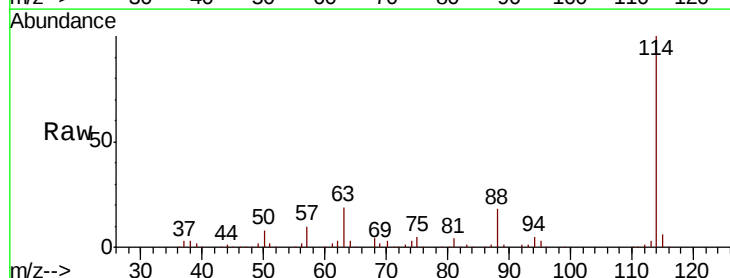
Manual Integrations
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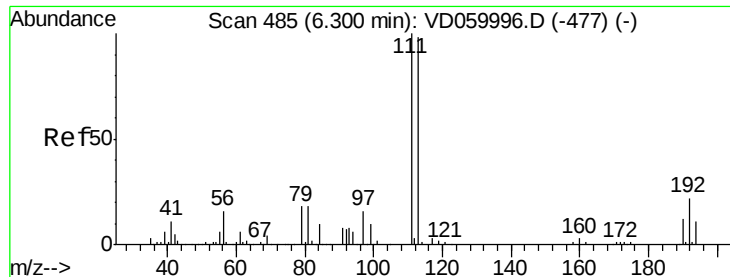
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.5	0.0	34.4	
88	18.3	0.0	35.8	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 485

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

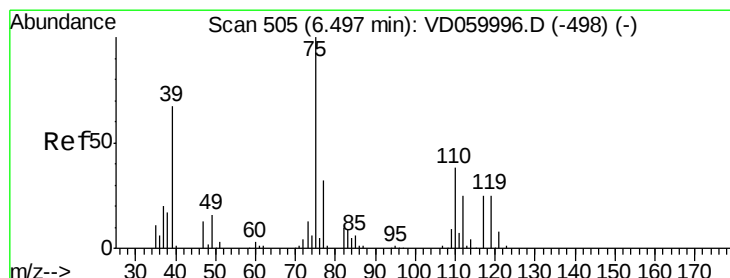
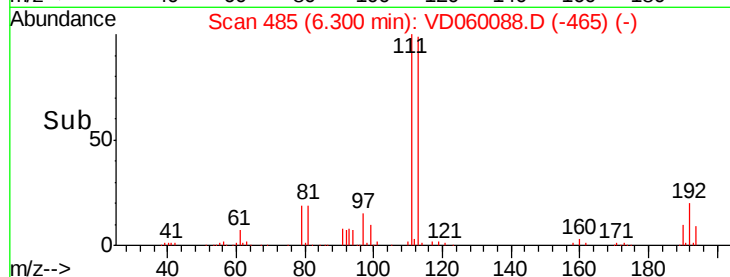
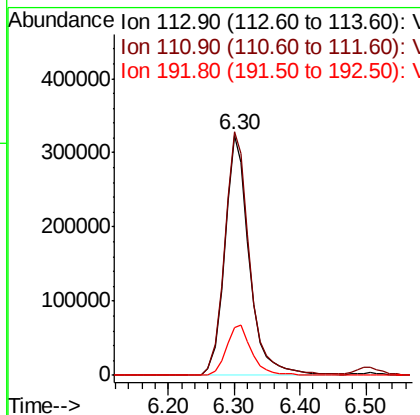
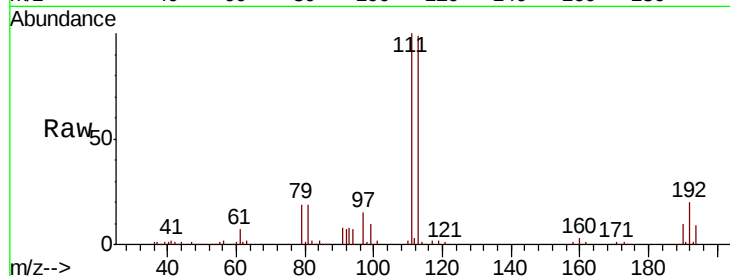
VD0925SBS01

Tot Ion:	113	Resp:	841054
Ion Ratio	Lower	Upper	
113	100		
111	101.5	81.3	121.9
192	20.1	18.1	27.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.894 ug/l

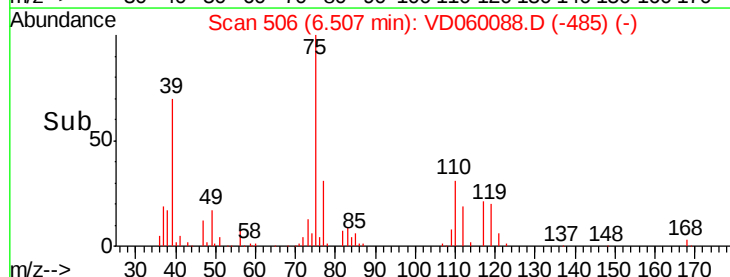
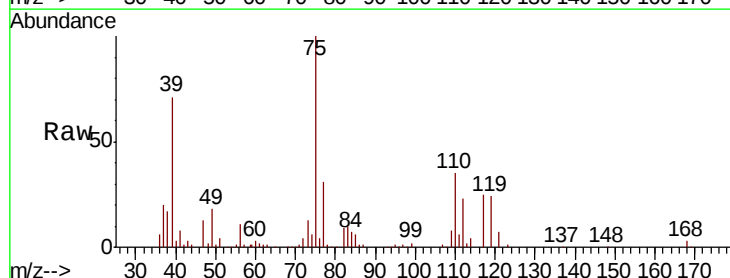
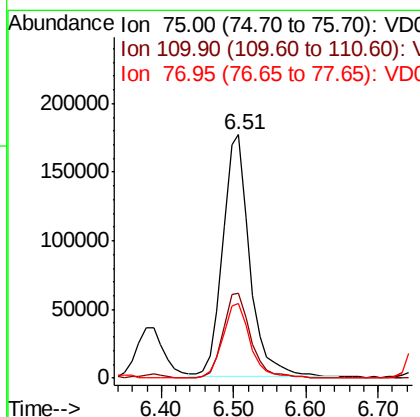
RT: 6.51 min Scan# 506

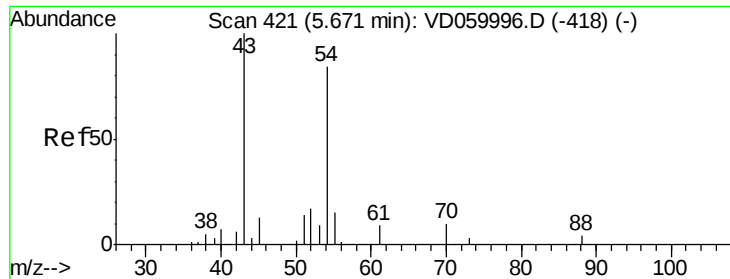
Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Tgt Ion:	75	Resp:	458951
Ion Ratio	Lower	Upper	
75	100		
110	34.9	18.9	56.9
77	30.6	25.3	37.9





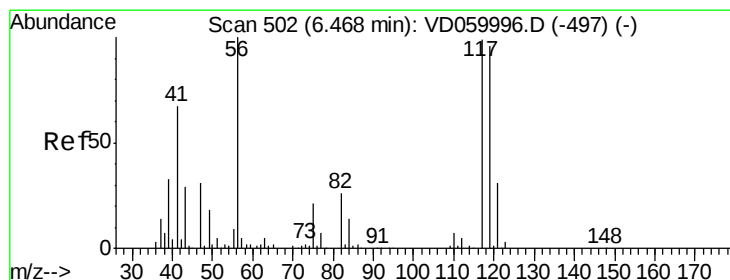
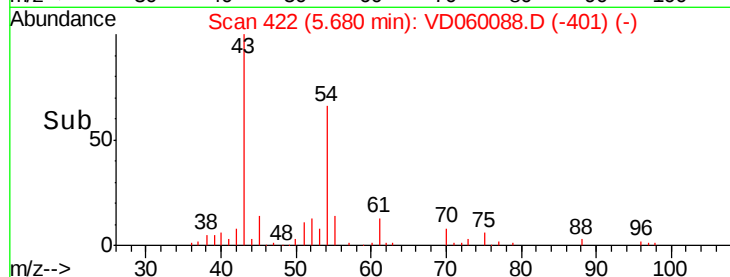
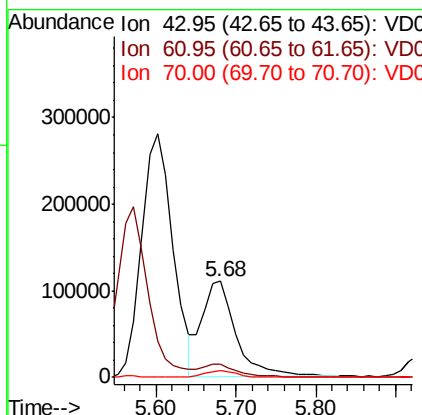
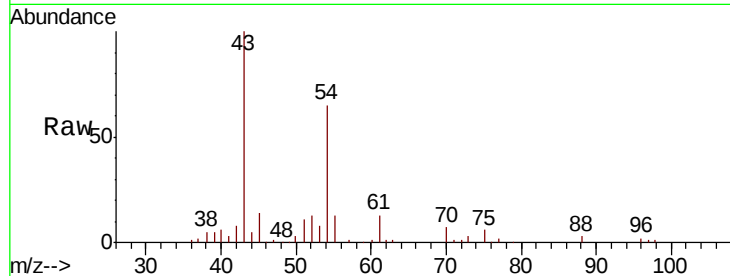
#37
Ethyl Acetate
Concen: 22.733 ug/l
RT: 5.68 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.2	15.2
70	7.5	6.1	9.1

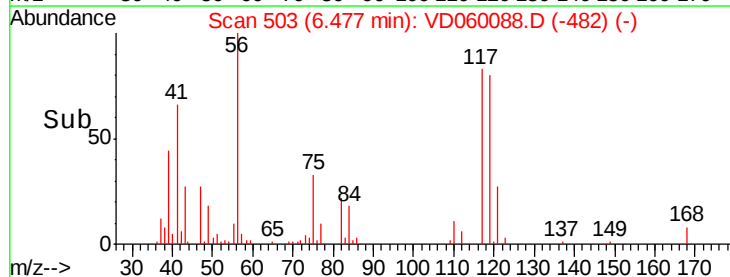
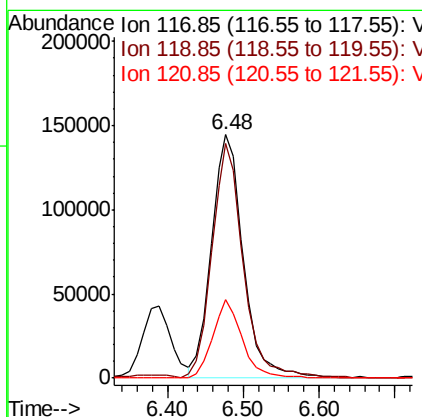
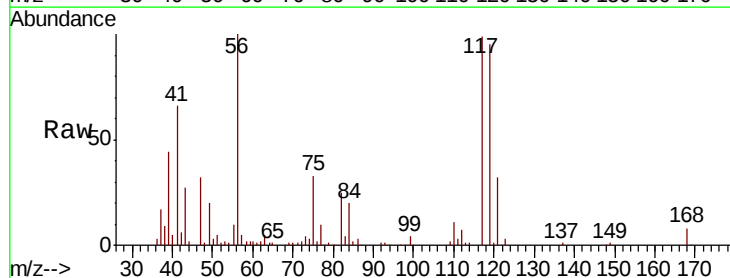
Manual Integrations
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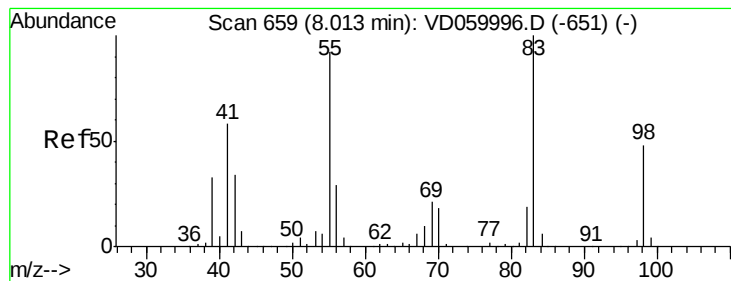
apatel
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#38
Carbon Tetrachloride
Concen: 21.346 ug/l
RT: 6.48 min Scan# 503
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.7	115.1
121	32.3	24.9	37.3





#39

Methvlcvclohexane

Concen: 22.274 ug/l

RT: 8.02 min Scan# 660

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

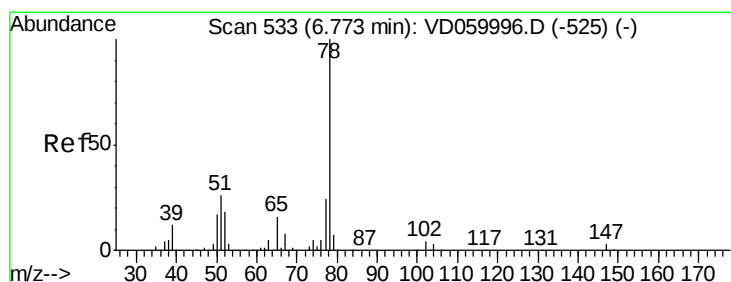
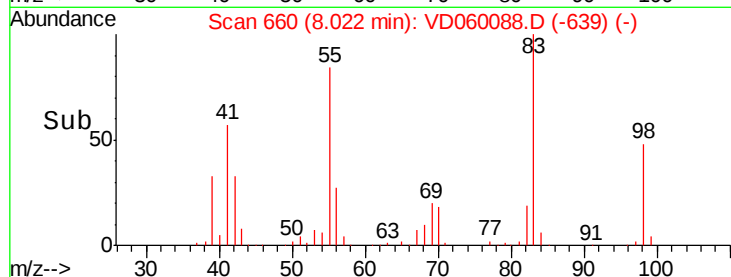
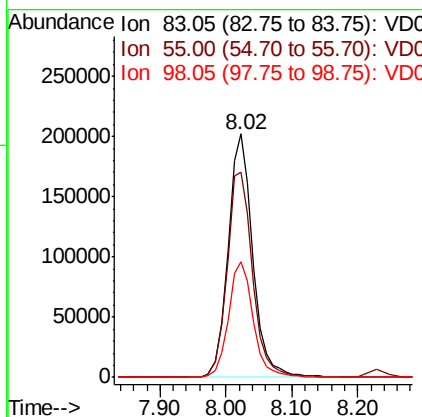
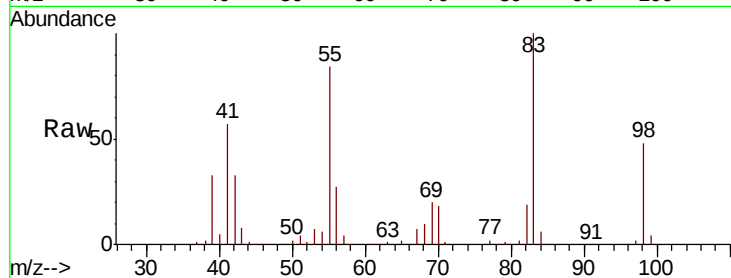
ClientSampleId :

VD0925SBS01

Tot Ion:	83	Resp:	528182
Ion Ratio	Lower	Upper	
83	100		
55	84.2	73.8	110.6
98	47.6	38.1	57.1

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#40

Benzene

Concen: 22.185 ug/l

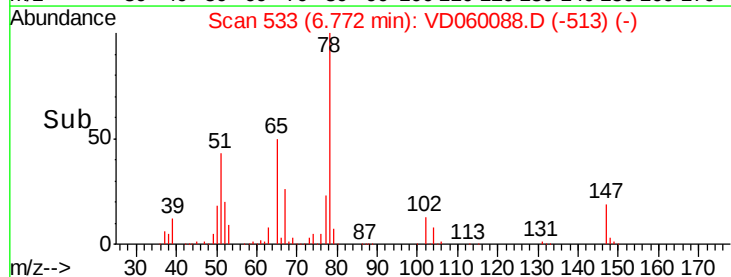
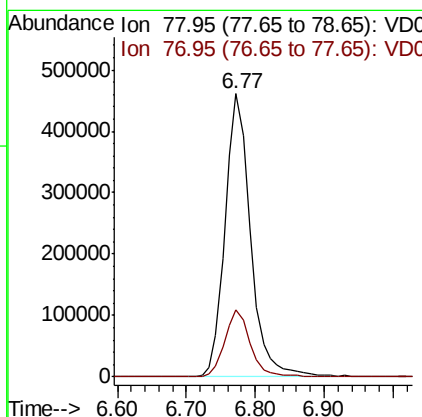
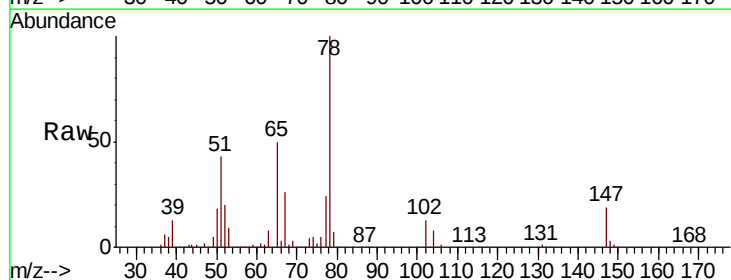
RT: 6.77 min Scan# 533

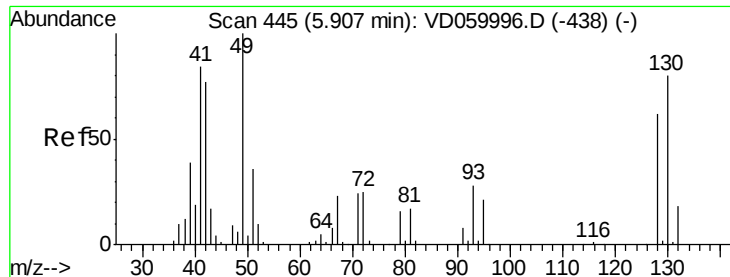
Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Tgt Ion:	78	Resp:	1185289
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.0	28.4





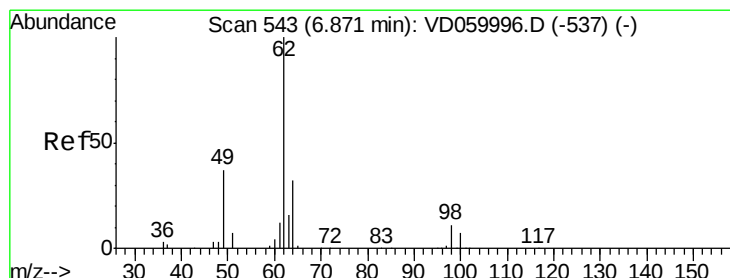
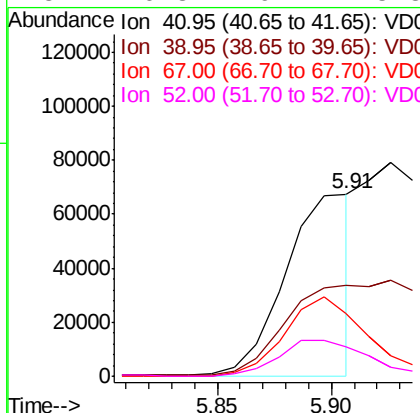
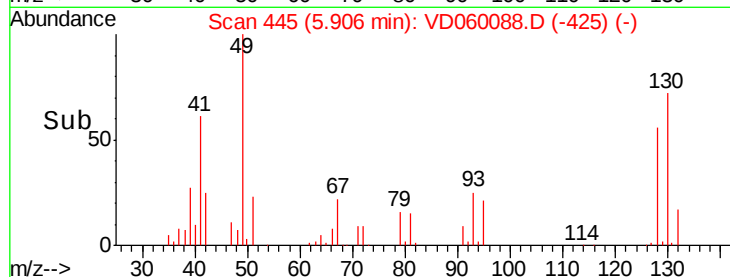
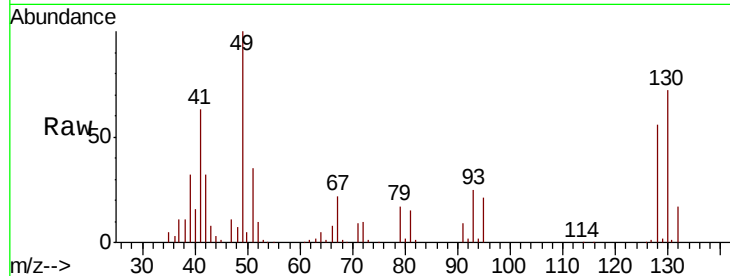
#41
Methacrylonitrile
Concen: 18.548 ug/l m
RT: 5.91 min Scan# 445
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.8	37.5	56.3
67	34.6	21.5	32.3
52	16.3	9.2	13.8

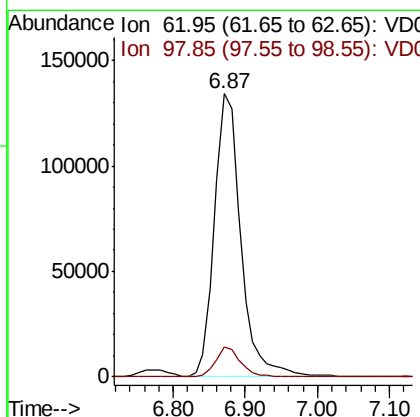
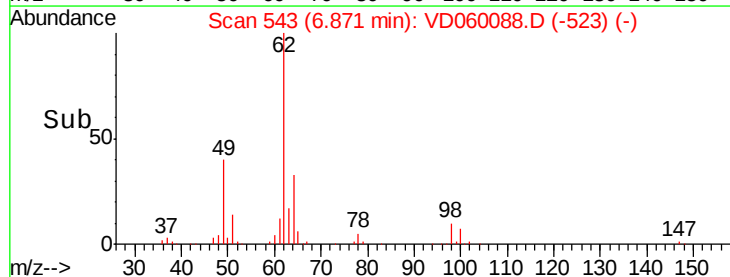
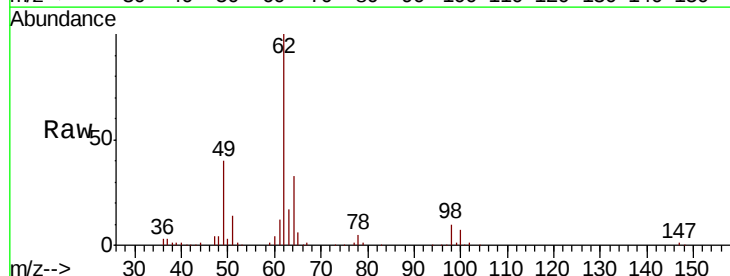
Manual Integrations
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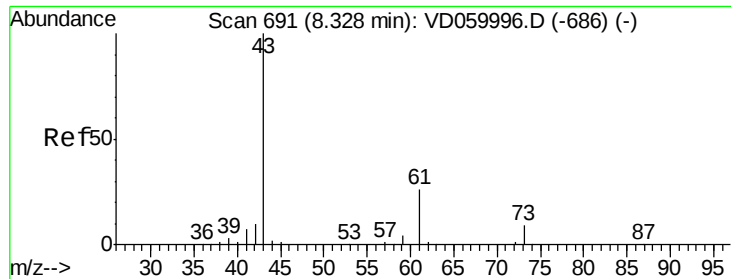
apatel
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#42
1,2-Dichloroethane
Concen: 21.070 ug/l
RT: 6.87 min Scan# 543
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.4





#43

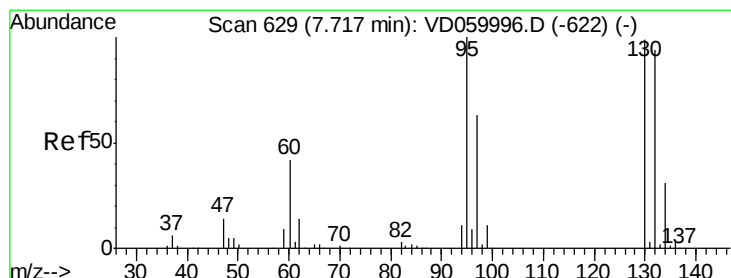
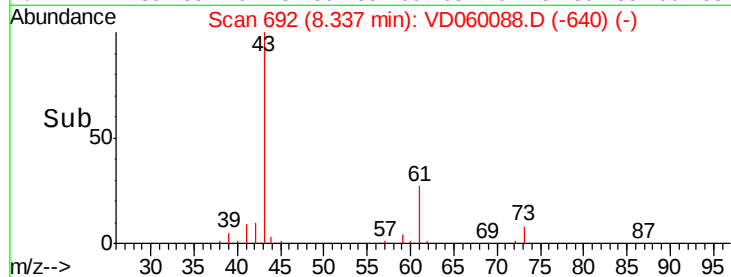
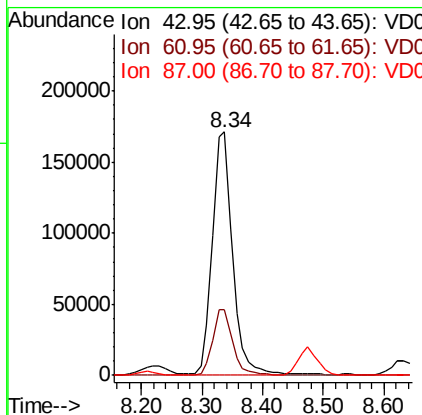
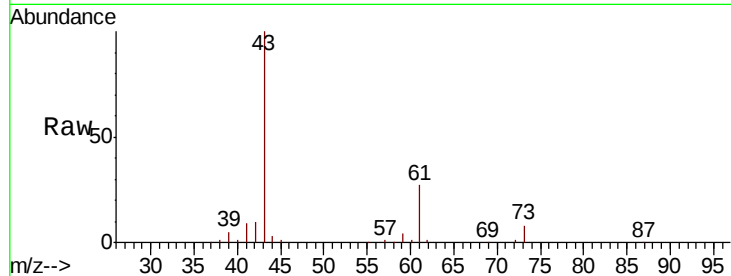
Isopropyl Acetate
 Concen: 20.892 ug/l
 RT: 8.34 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.0	31.6
87	0.2	0.2	0.2

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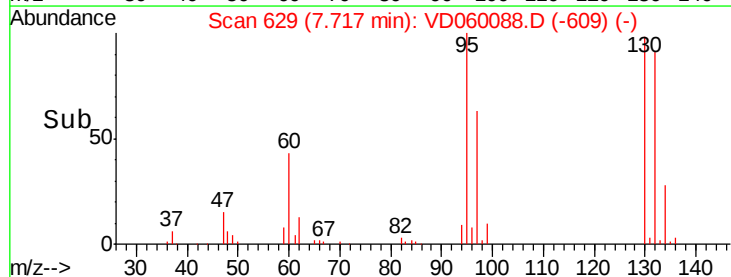
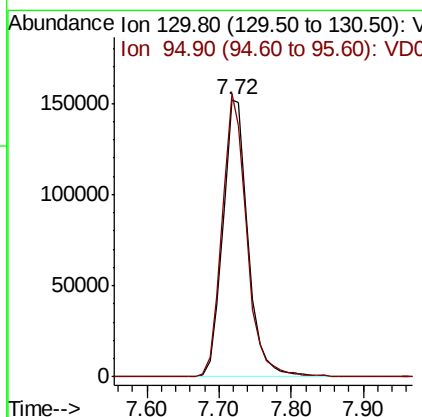
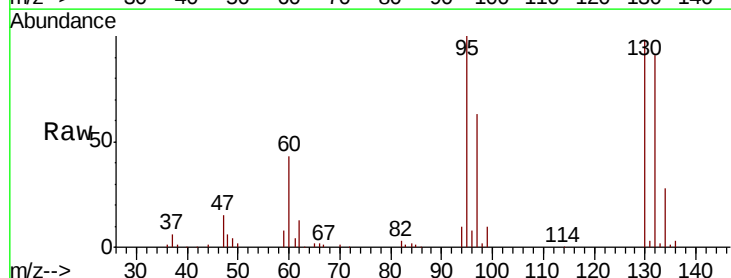
apatel
 9/26/2018 12:22:13 PM

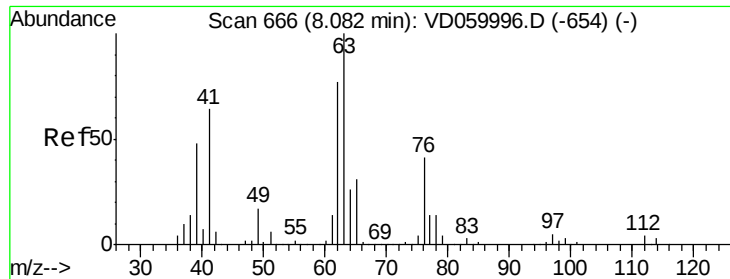


#44

Trichloroethene
 Concen: 22.152 ug/l
 RT: 7.72 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	202.0





#45

1,2-Dichloropropane

Concen: 22.105 ug/l

RT: 8.08 min Scan# 666

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 63 Resp: 315801

Ion Ratio Lower Upper

63 100

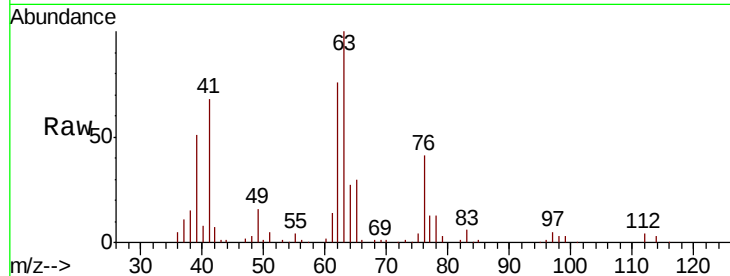
65 29.7 24.6 37.0

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

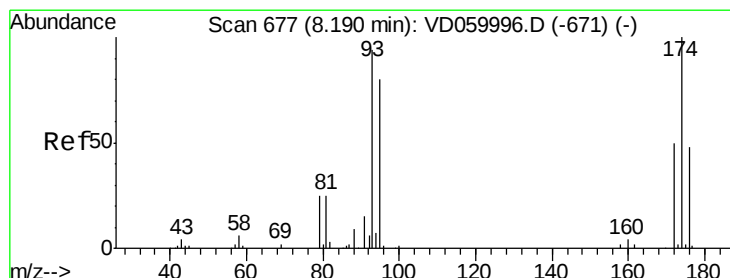
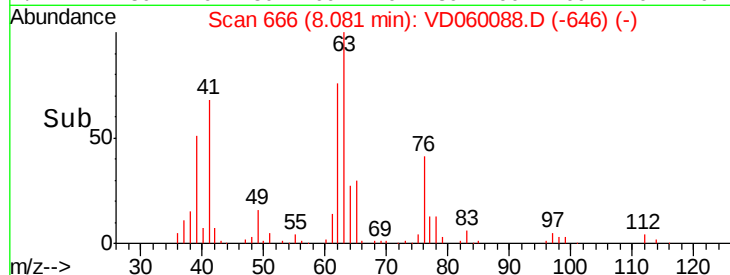
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 21.938 ug/l

RT: 8.20 min Scan# 678

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

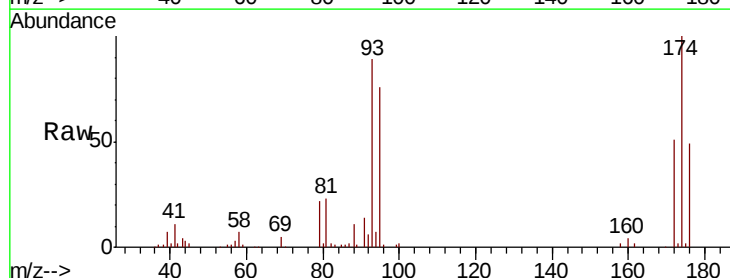
Tgt Ion: 93 Resp: 204498

Ion Ratio Lower Upper

93 100

95 84.6 68.0 102.0

174 112.0 85.4 128.2



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

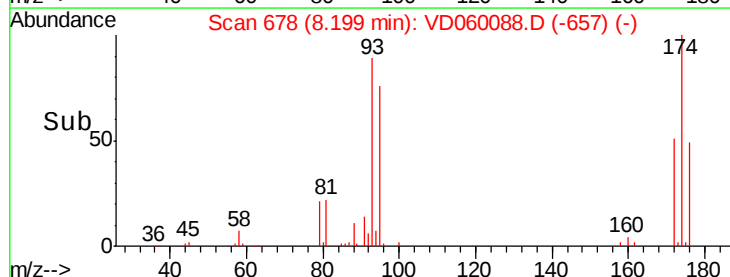
Ion 173.80 (173.50 to 174.50): V

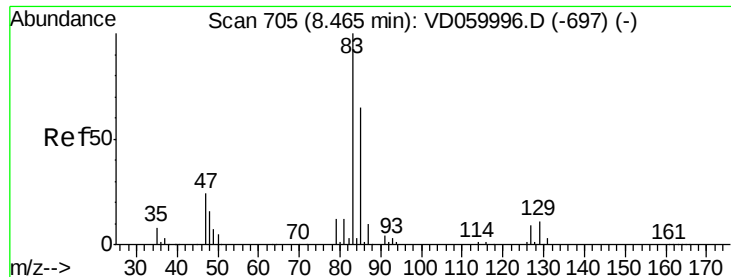
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 21.691 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

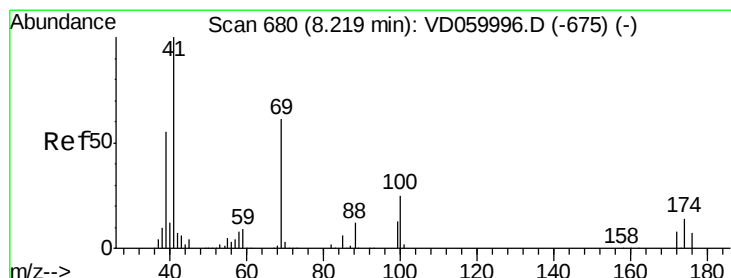
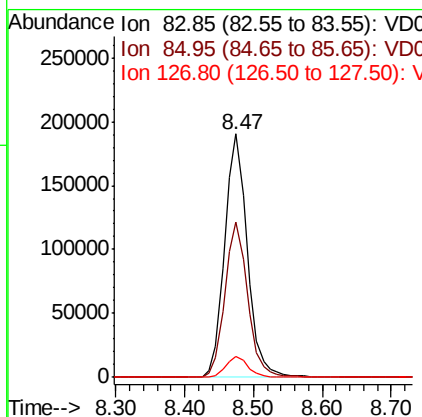
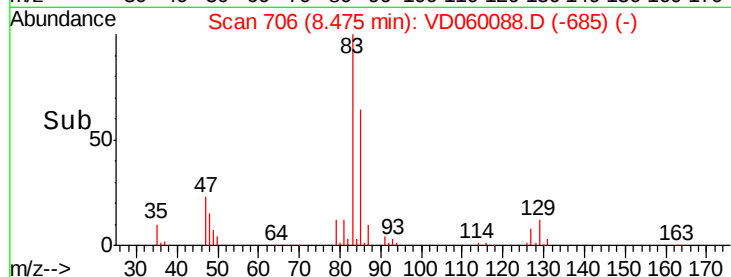
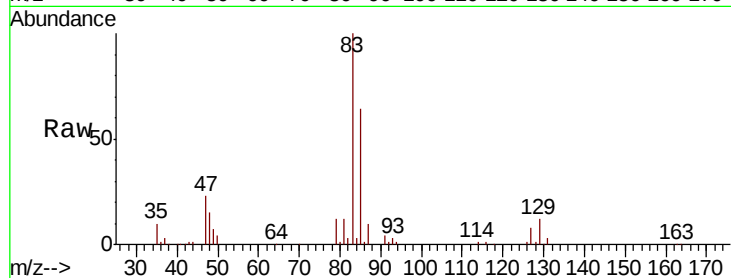
ClientSampleId :

VD0925SBS01

Tot Ion:	83	Resp:	435923
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.9	77.9
127	8.4	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.548 ug/l

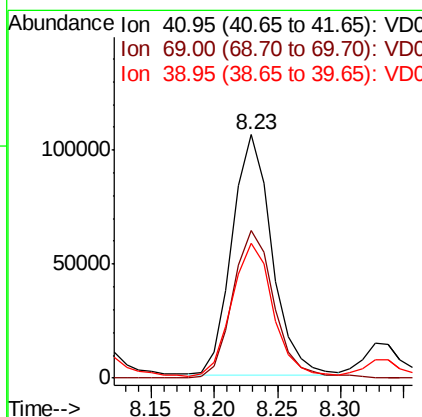
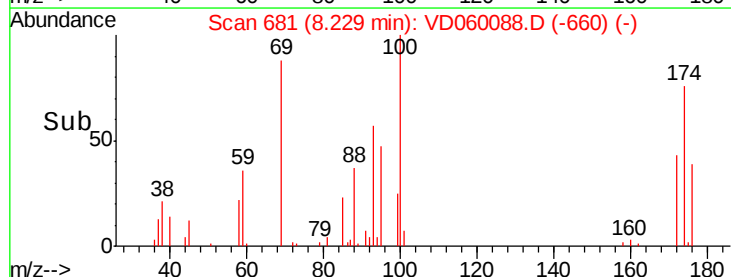
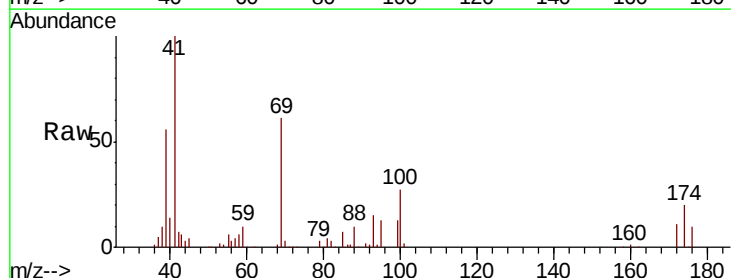
RT: 8.23 min Scan# 681

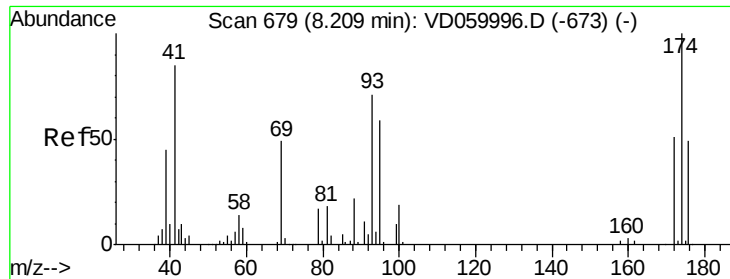
Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Tgt Ion:	41	Resp:	231628
Ion Ratio	Lower	Upper	
41	100		
69	60.5	48.3	72.5
39	55.6	44.1	66.1





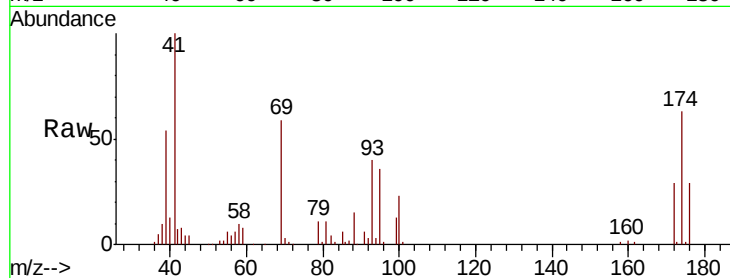
#49
1,4-Dioxane
Concen: 409.590 ug/l
RT: 8.22 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

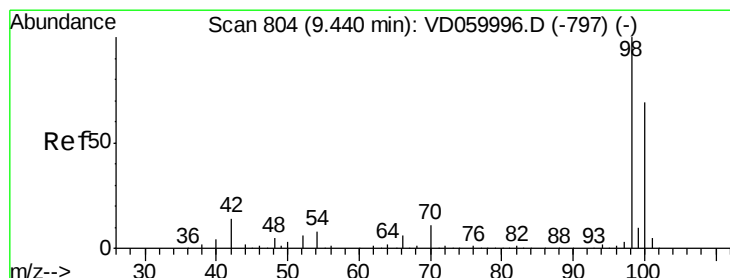
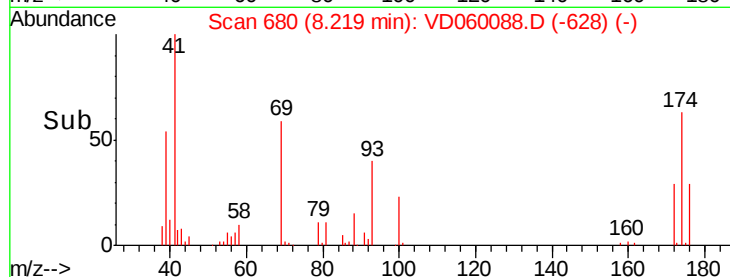
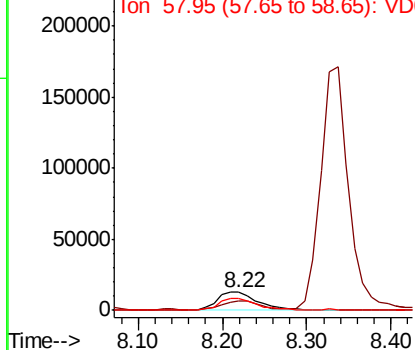
Tot Ion: 88 Resp: 43730
Ion Ratio Lower Upper
88 100
43 54.2 36.2 54.2
58 64.7 51.0 76.6

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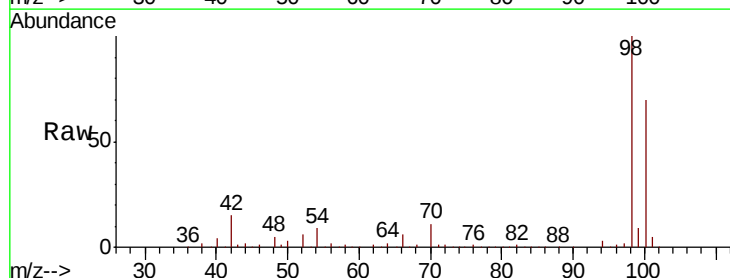


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

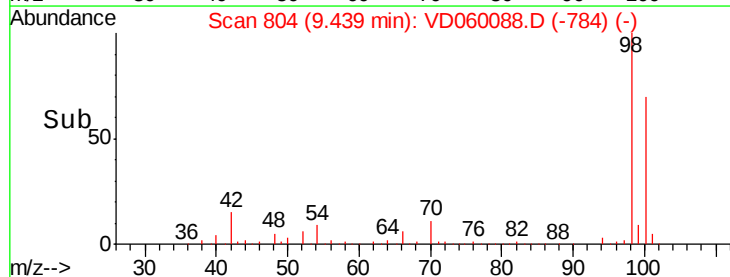
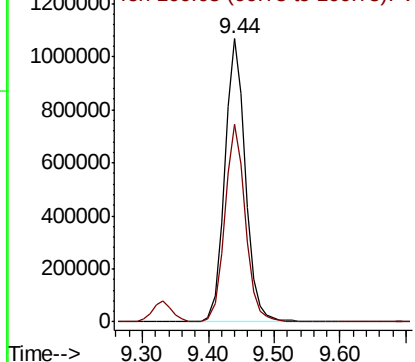


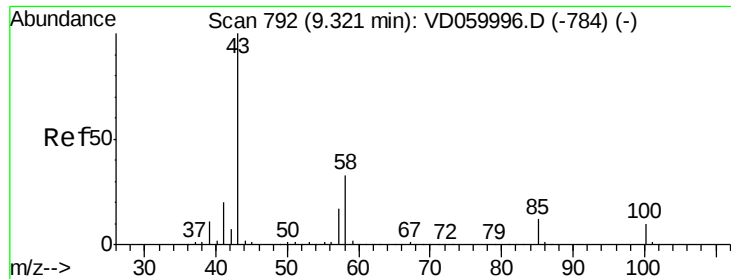
#50
Toluene-d8
Concen: 409.590 ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion: 98 Resp: 2343630
Ion Ratio Lower Upper
98 100
100 69.7 55.8 83.6



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





#51

4-Methyl-2-Pentanone

Concen: 116.645 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 43 Resp: 1630722

Ion Ratio Lower Upper

43 100

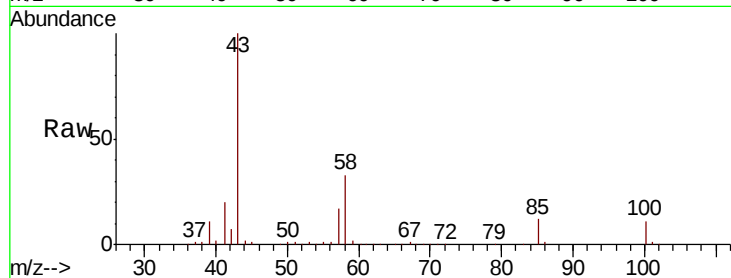
58 33.4 26.4 39.6

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VD060088.D (-772) (-)

Ion 57.95 (57.65 to 58.65): VD060088.D (-772) (-)

9.33

800000

600000

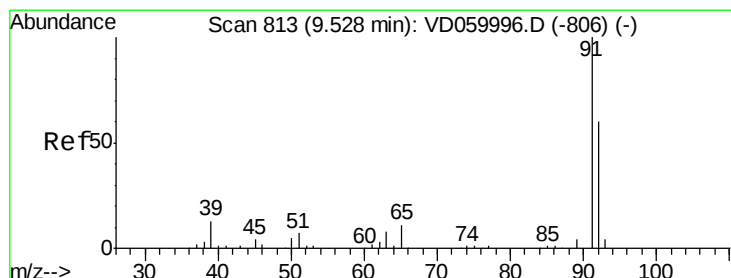
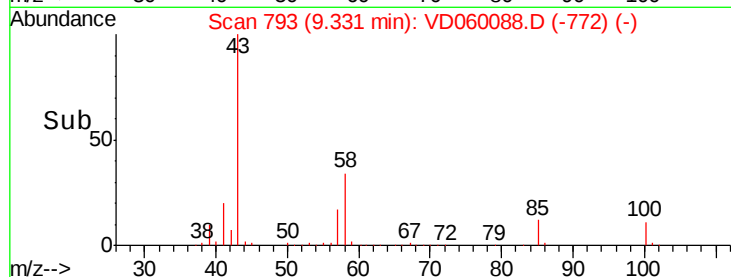
400000

200000

0

9.20 9.30 9.40

Time-->



#52

Toluene

Concen: 22.568 ug/l

RT: 9.54 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060088.D

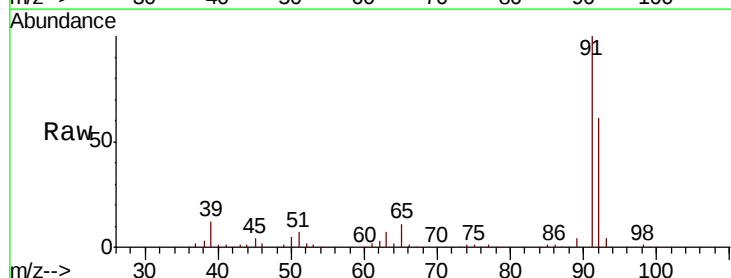
Acq: 25 Sep 2018 12:49

Tgt Ion: 92 Resp: 772853

Ion Ratio Lower Upper

92 100

91 164.1 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VD060088.D (-793) (-)

Ion 91.00 (90.70 to 91.70): VD060088.D (-793) (-)

9.54

600000

500000

400000

300000

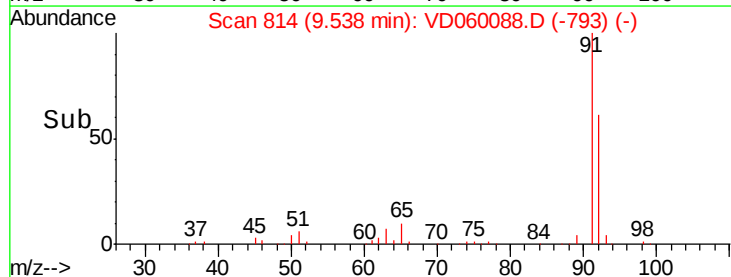
200000

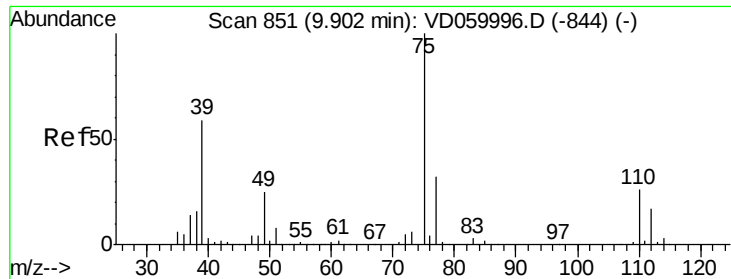
100000

0

9.40 9.50 9.60 9.70

Time-->





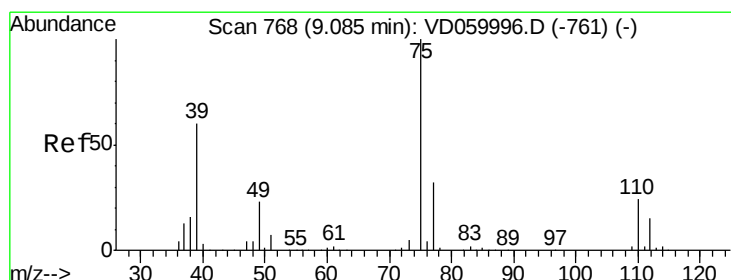
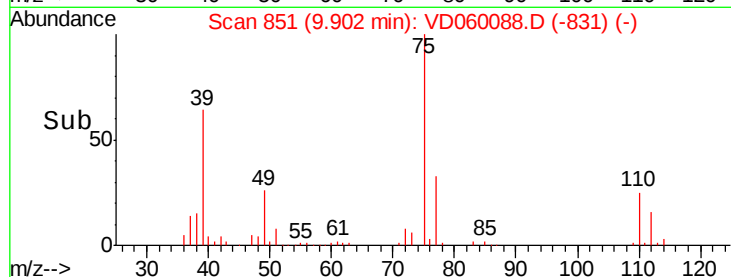
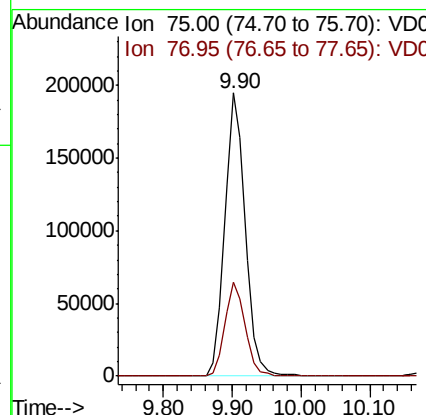
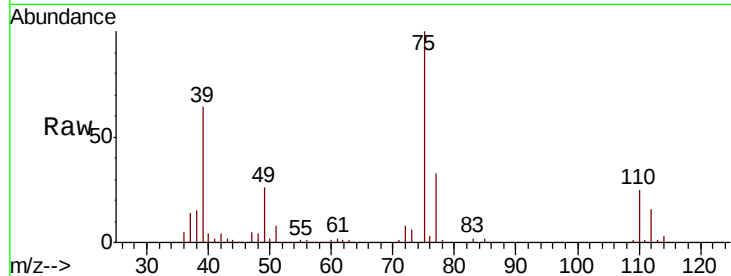
#53
 t-1,3-Dichloropropene
 Concen: 21.258 ug/l
 RT: 9.90 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Tot Ion: 75 Resp: 398448
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.6 38.4

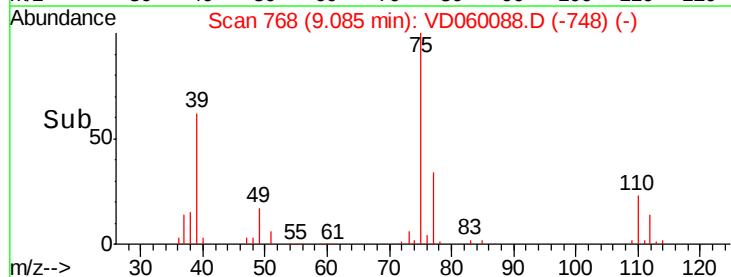
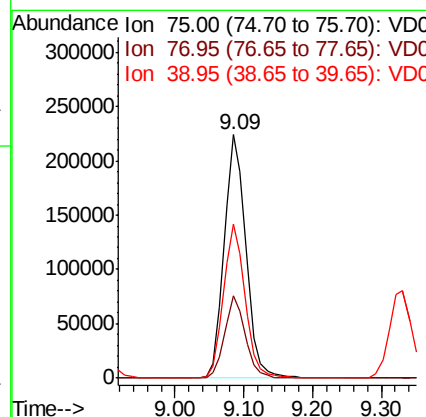
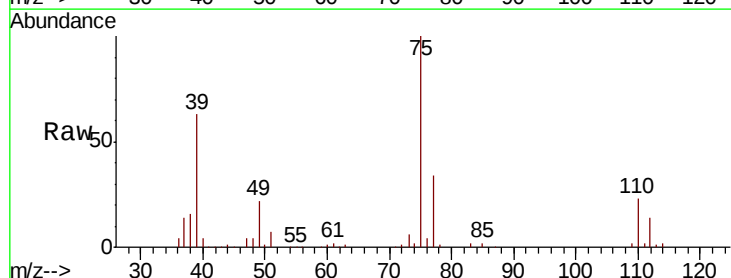
Manual Integrations
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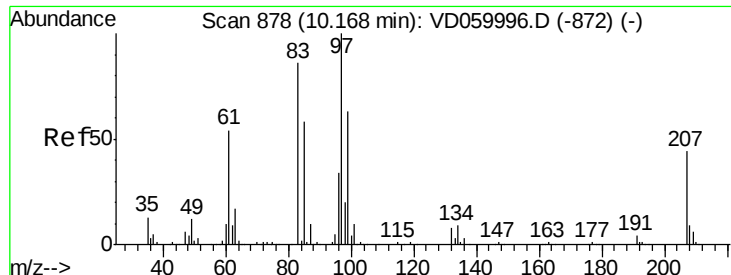
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#54
 cis-1,3-Dichloropropene
 Concen: 21.854 ug/l
 RT: 9.09 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Tgt Ion: 75 Resp: 489426
 Ion Ratio Lower Upper
 75 100
 77 33.7 25.5 38.3
 39 63.4 48.0 72.0





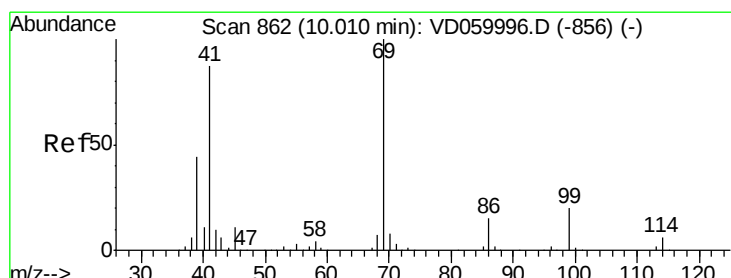
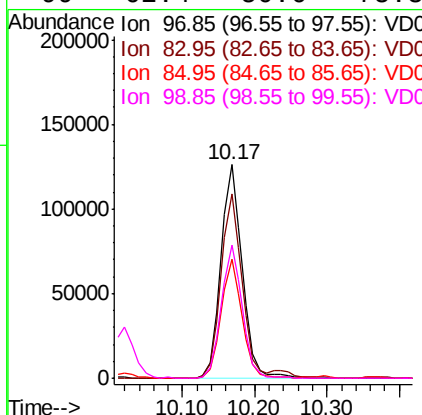
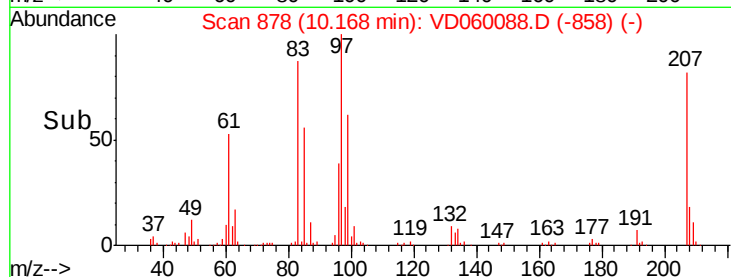
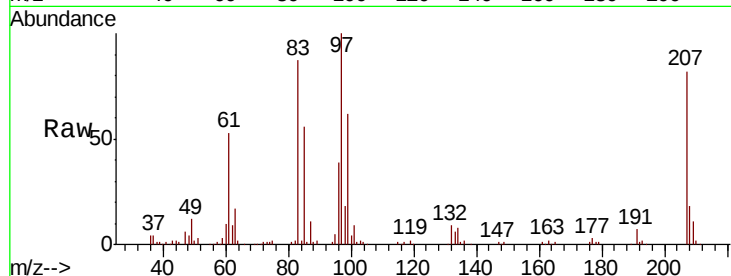
#55
 1,1,2-Trichloroethane
 Concen: 21.544 ug/l
 RT: 10.17 min Scan# 878
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	256167		
83	86.6	69.1	103.7	
85	55.9	46.2	69.4	
99	62.4	50.6	75.8	

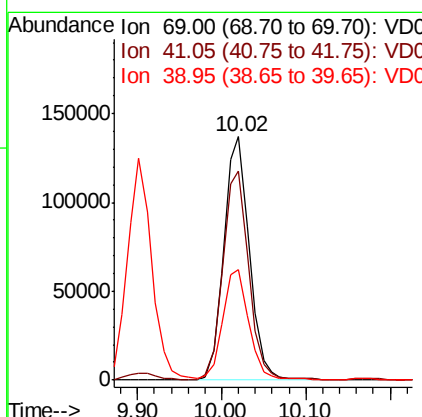
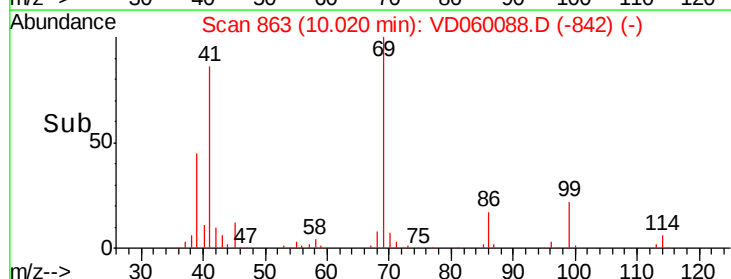
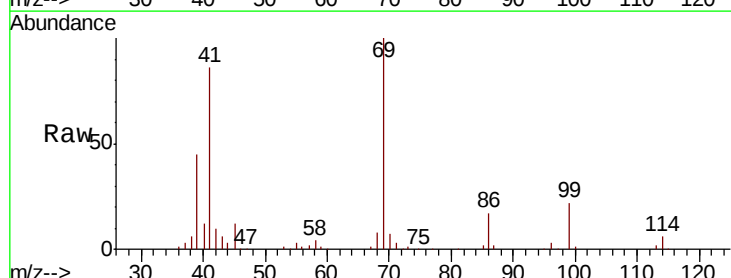
Manual Integrations
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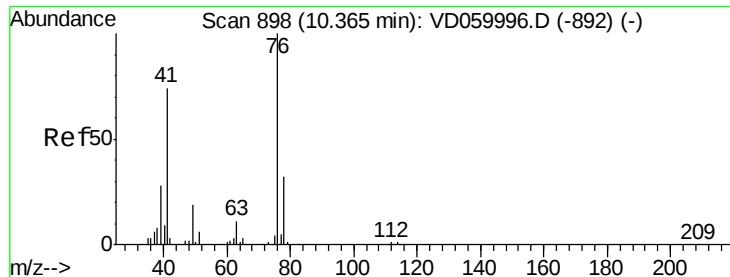
apatel
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#56
 Ethyl methacrylate
 Concen: 21.751 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	286860		
41	85.7	70.1	105.1	
39	45.4	36.5	54.7	





#57

1,3-Dichloropropane

Concen: 22.172 ug/l

RT: 10.36 min Scan# 898

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 76 Resp: 389143

Ion Ratio Lower Upper

76 100

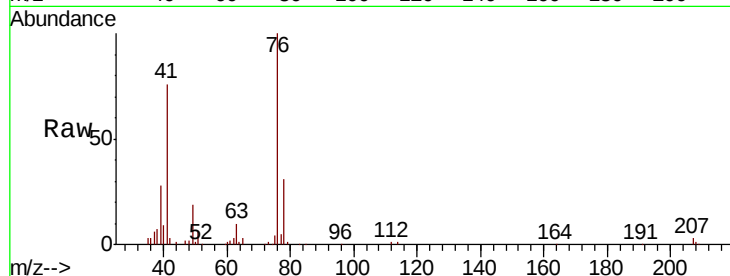
78 31.2 25.3 37.9

Manual Integrations

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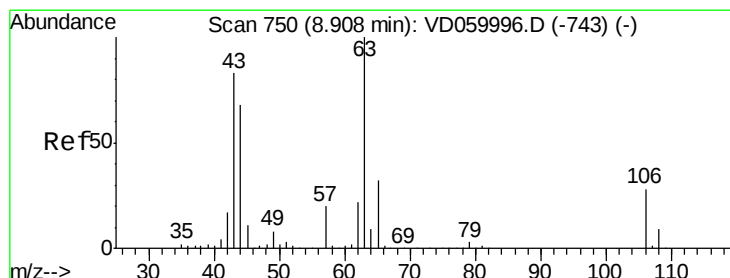
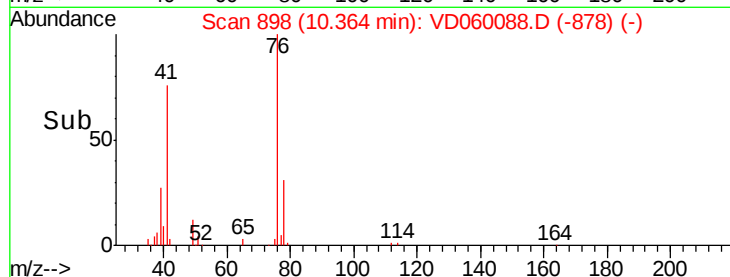
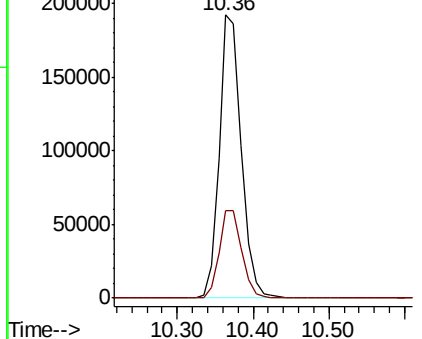
apatel

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 112.187 ug/l

RT: 8.91 min Scan# 750

Delta R.T. -0.00 min

Lab File: VD060088.D

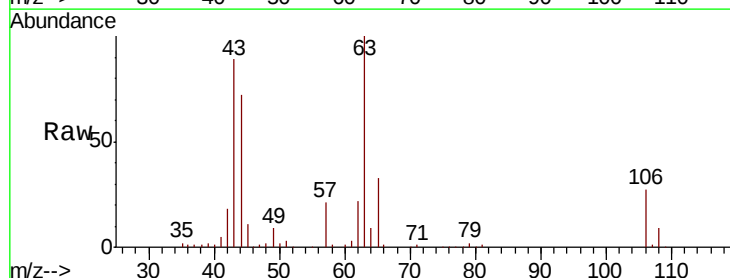
Acq: 25 Sep 2018 12:49

Tgt Ion: 63 Resp: 714471

Ion Ratio Lower Upper

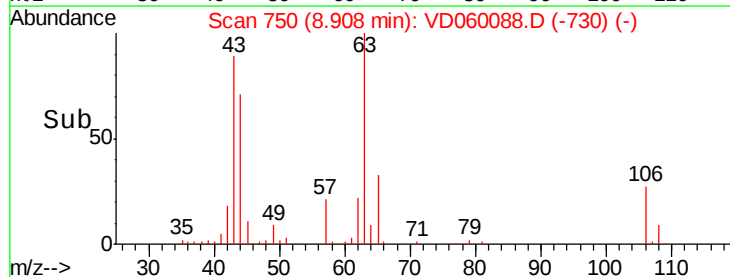
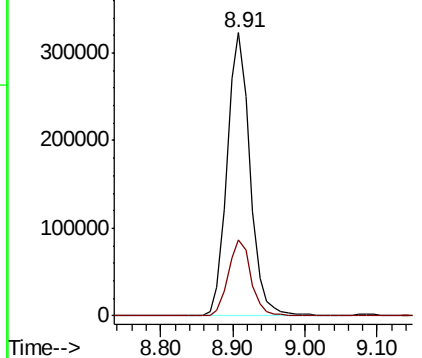
63 100

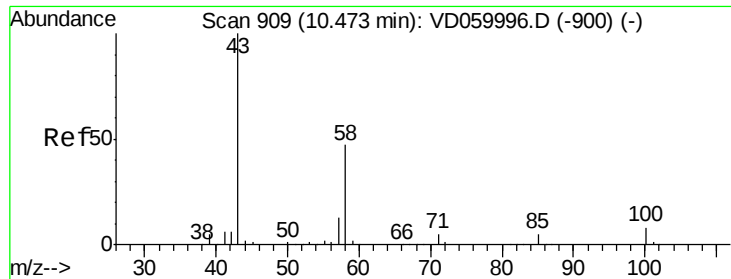
106 26.7 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC





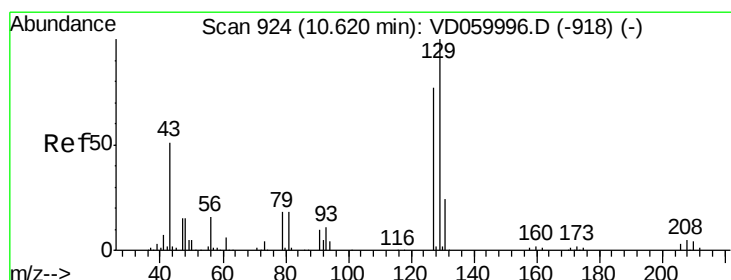
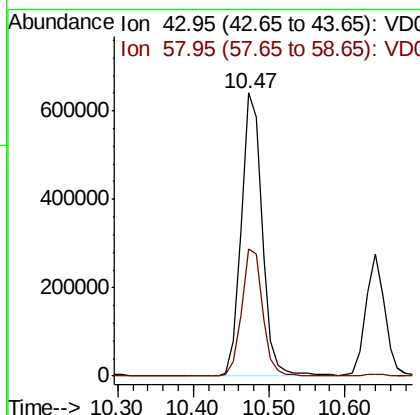
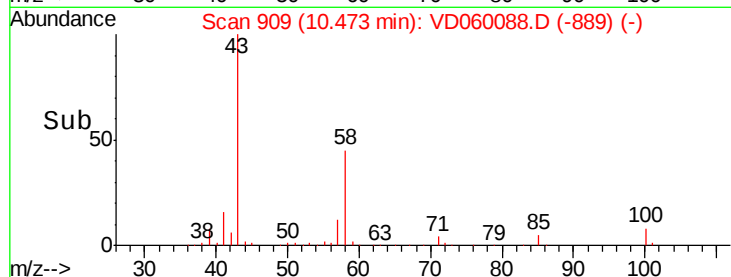
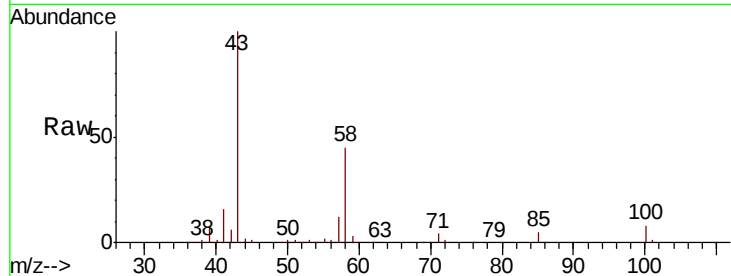
#59
2-Hexanone
Concen: 121.759 ug/l
RT: 10.47 min Scan# 909
Delta R.T. 0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion: 43 Resp: 1217566
Ion Ratio Lower Upper
43 100
58 45.1 23.4 70.0

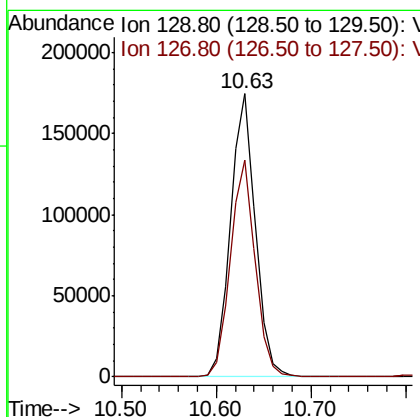
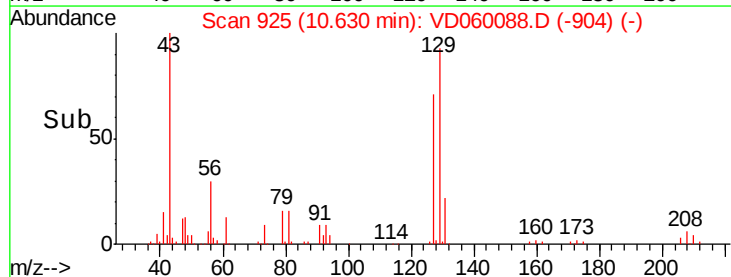
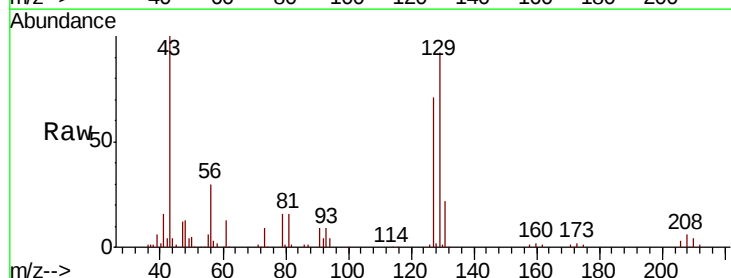
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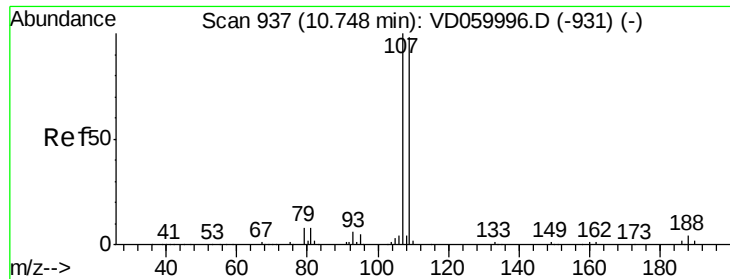
apatel
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#60
Dibromochloromethane
Concen: 21.889 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion:129 Resp: 316788
Ion Ratio Lower Upper
129 100
127 76.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 21.567 ug/l

RT: 10.75 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion:107 Resp: 264767

Ion Ratio Lower Upper

107 100

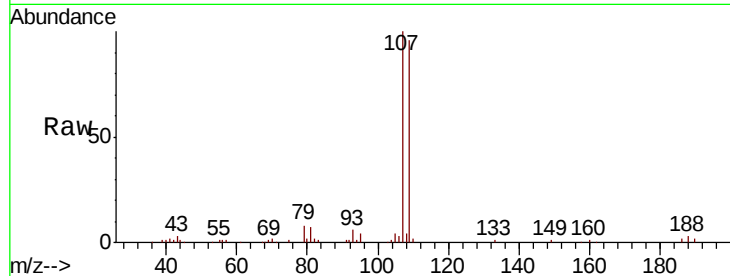
109 96.1 78.2 117.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

150000

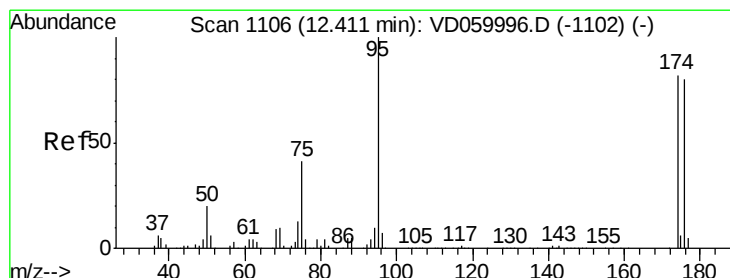
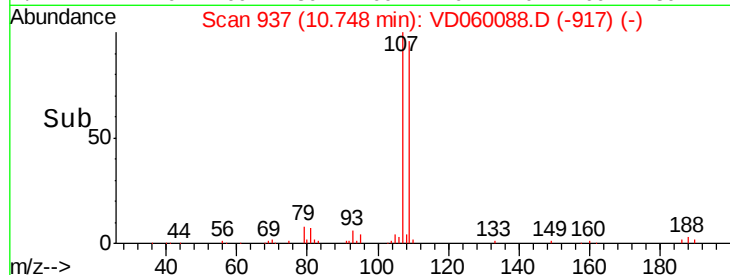
100000

50000

0

10.70 10.80 10.90

Time-->



#62

4-Bromofluorobenzene

Concen: 21.567 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

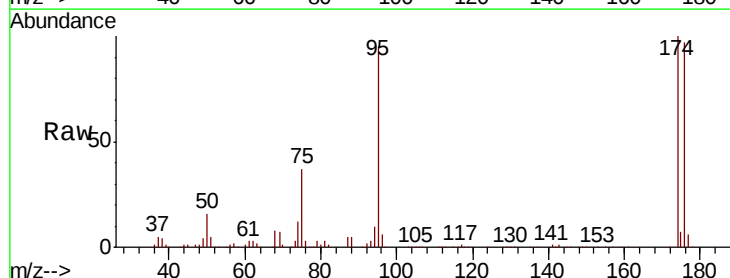
Tgt Ion: 95 Resp: 905108

Ion Ratio Lower Upper

95 100

174 105.5 0.0 165.0

176 102.4 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

600000

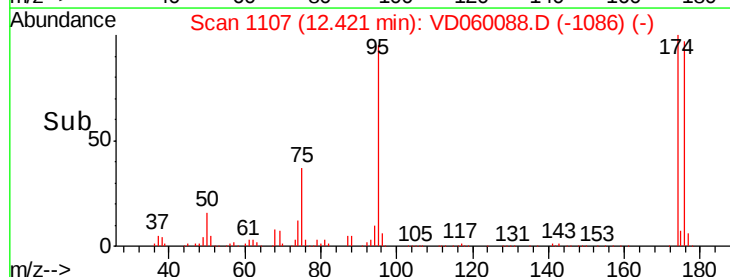
400000

200000

0

12.40 12.50

Time-->





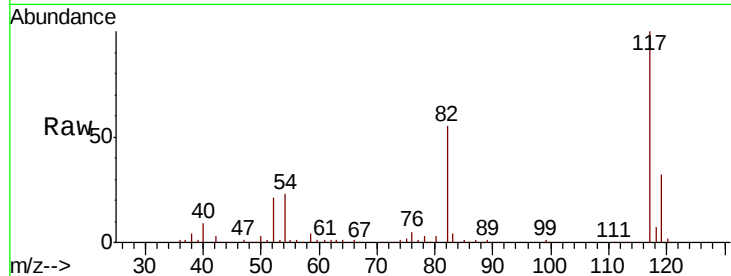
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

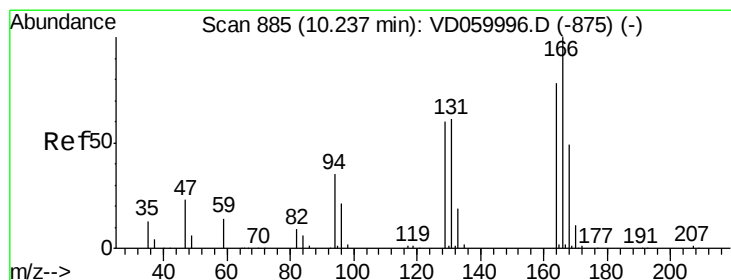
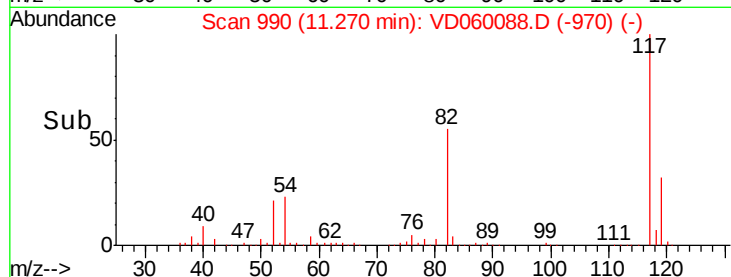
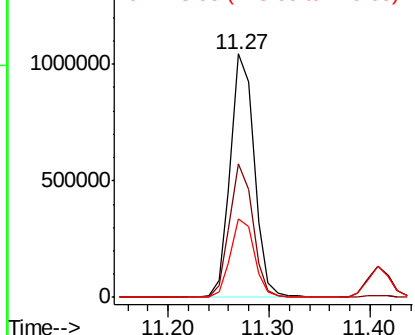
Tot Ion:117 Resp: 1727023
Ion Ratio Lower Upper
117 100
82 55.0 41.7 62.5
119 32.4 26.0 39.0

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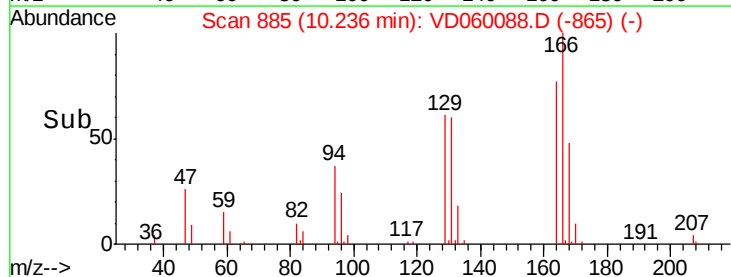
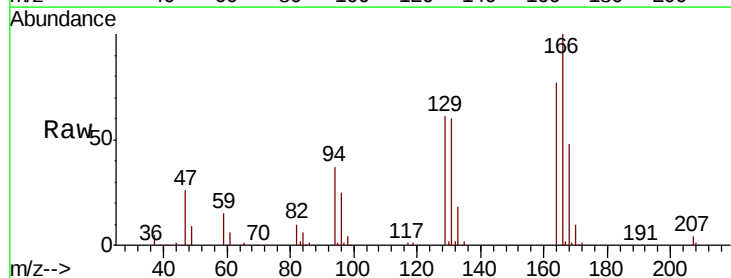
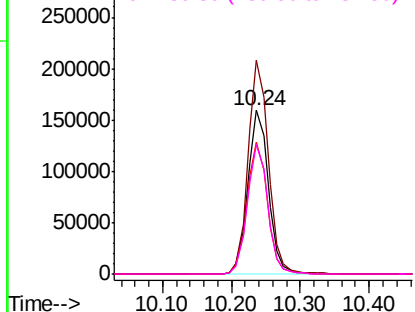
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

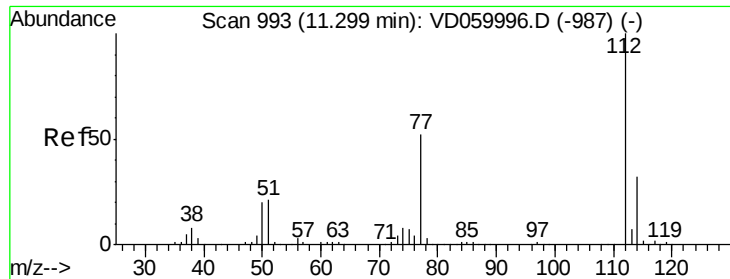


#64
Tetrachloroethene
Concen: 21.730 ug/l
RT: 10.24 min Scan# 885
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion:164 Resp: 331107
Ion Ratio Lower Upper
164 100
166 130.6 103.0 154.6
129 80.3 61.9 92.9
131 78.8 62.6 93.8

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





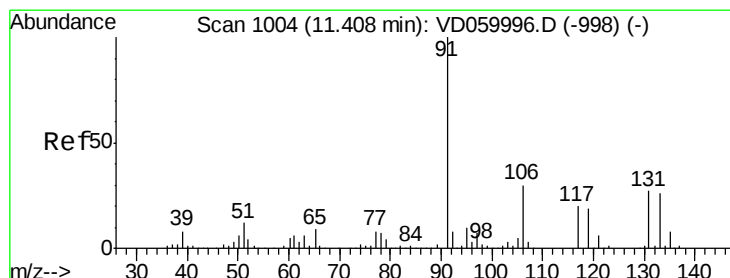
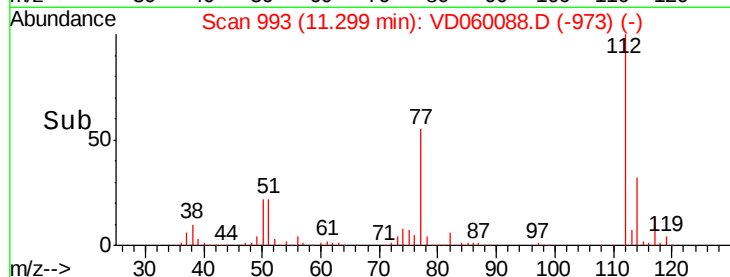
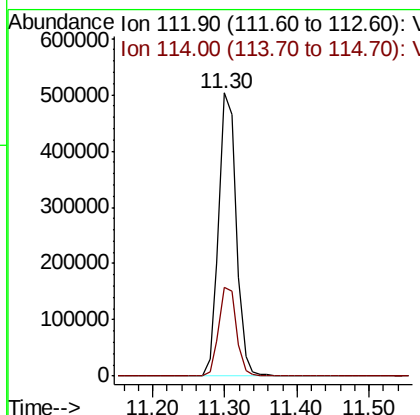
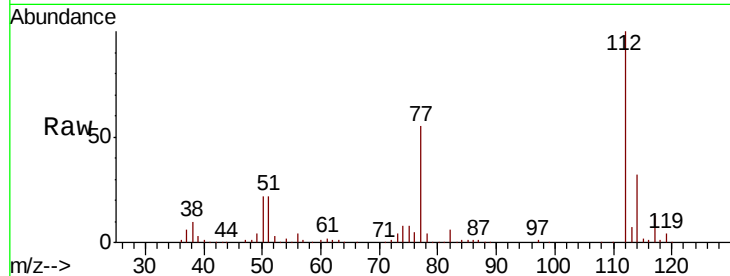
#65
Chlorobenzene
Concen: 22.744 ug/l
RT: 11.30 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion:112 Resp: 844499
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

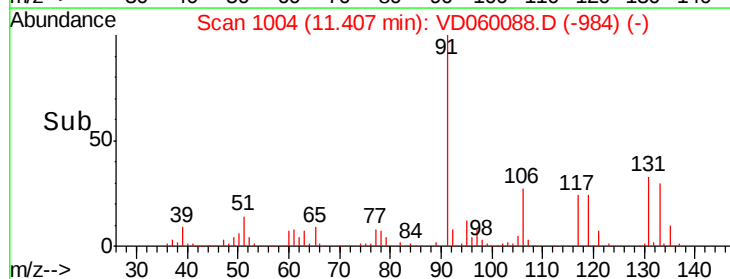
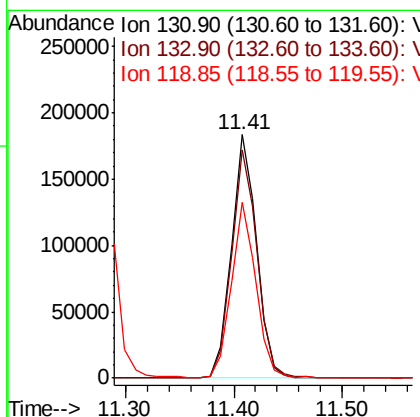
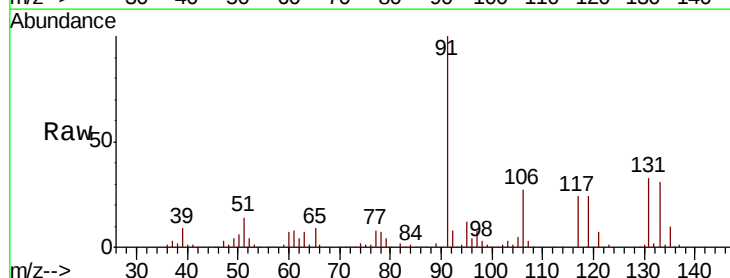
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.600 ug/l
RT: 11.41 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion:131 Resp: 295548
Ion Ratio Lower Upper
131 100
133 93.7 47.4 142.3
119 72.2 35.6 106.9





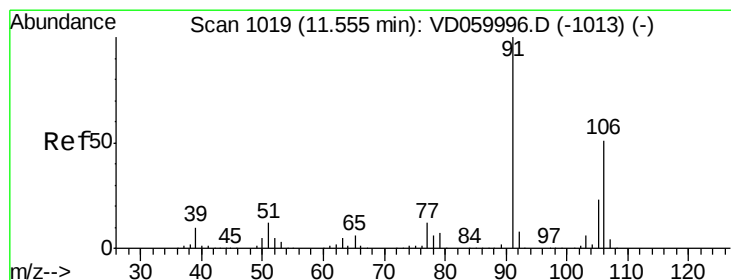
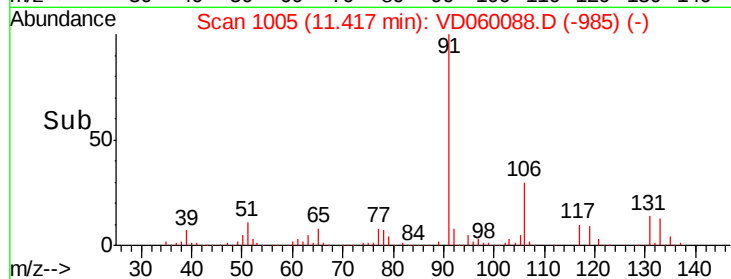
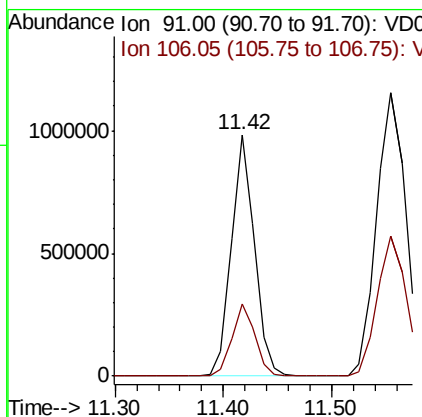
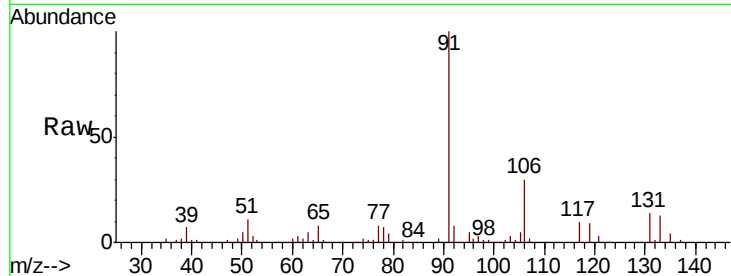
#67
Ethyl Benzene
Concen: 24.537 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion: 91 Resp: 1466135
Ion Ratio Lower Upper
91 100
106 29.8 24.8 37.2

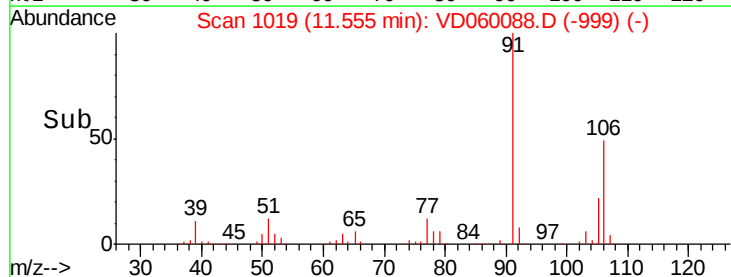
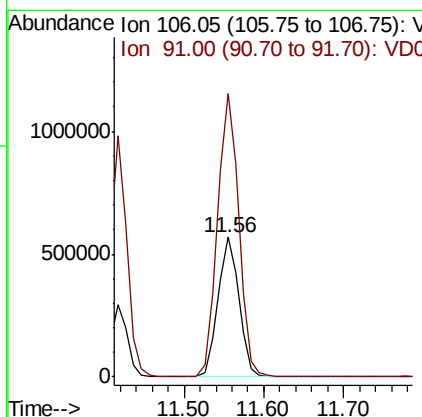
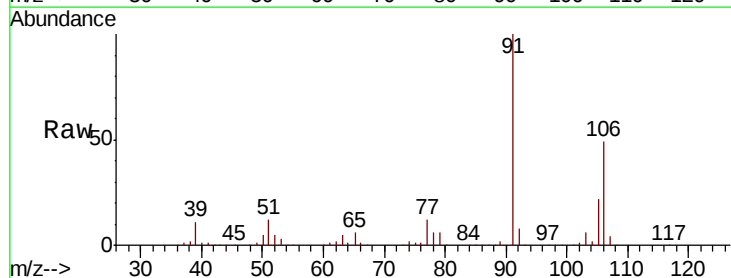
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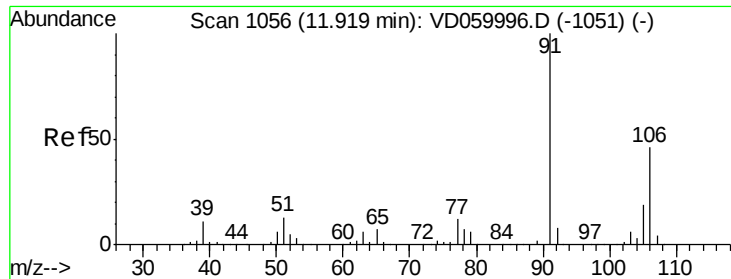
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#68
m/p-Xylenes
Concen: 48.150 ug/l
RT: 11.56 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion:106 Resp: 1062567
Ion Ratio Lower Upper
106 100
91 202.9 157.0 235.6





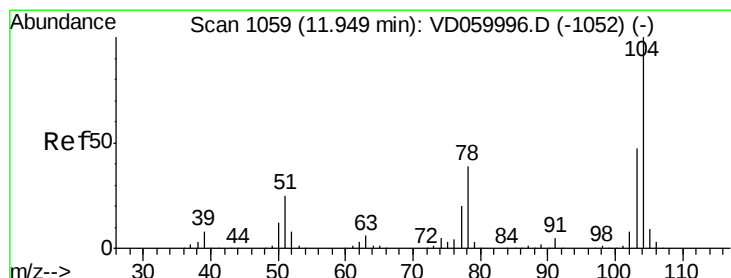
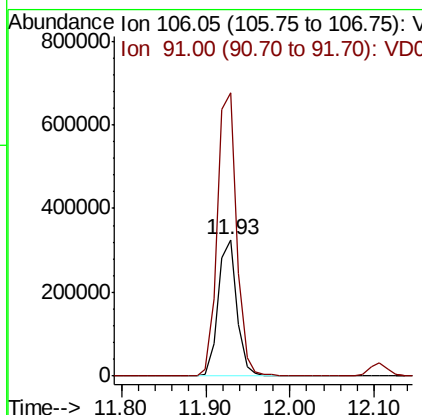
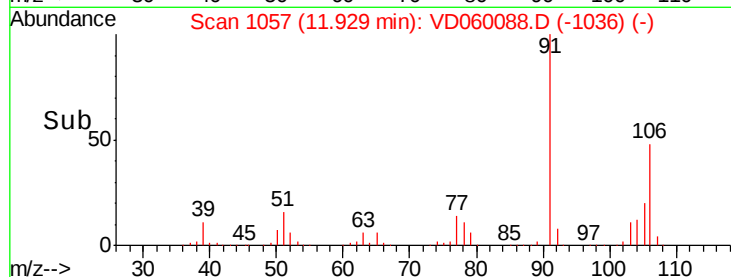
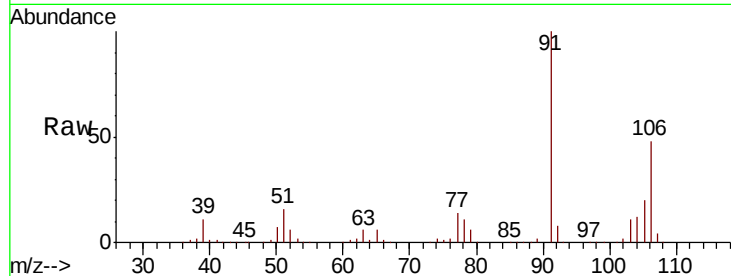
#69
o-Xylene
Concen: 22.925 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion:106 Resp: 501280
Ion Ratio Lower Upper
106 100
91 207.4 107.7 323.1

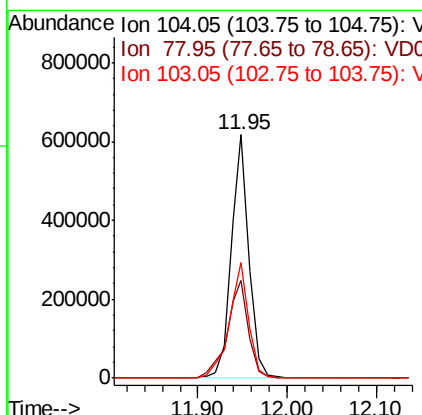
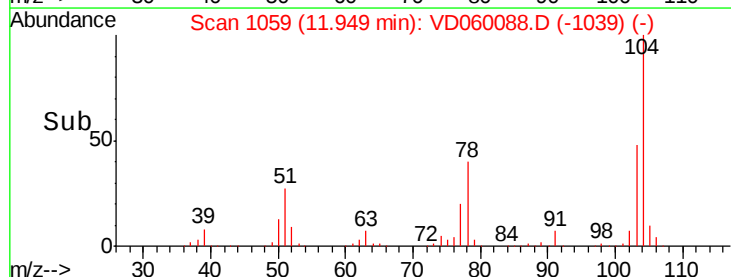
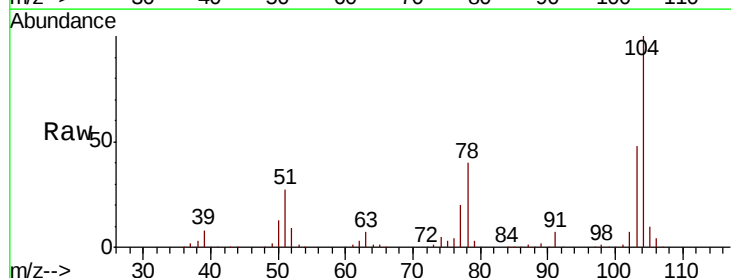
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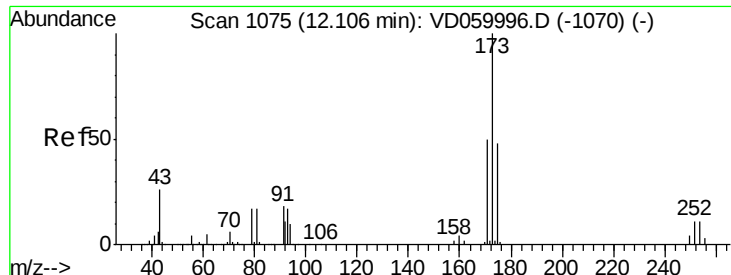
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#70
Styrene
Concen: 23.468 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion:104 Resp: 862819
Ion Ratio Lower Upper
104 100
78 40.2 31.0 46.4
103 47.6 37.6 56.4





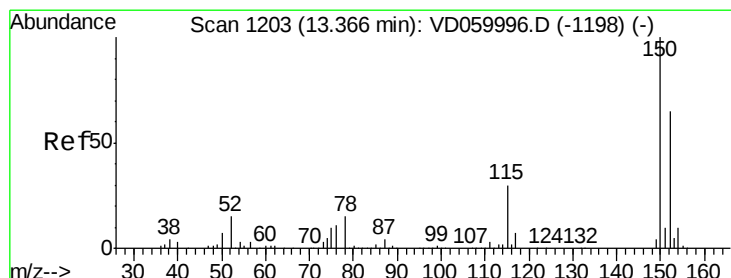
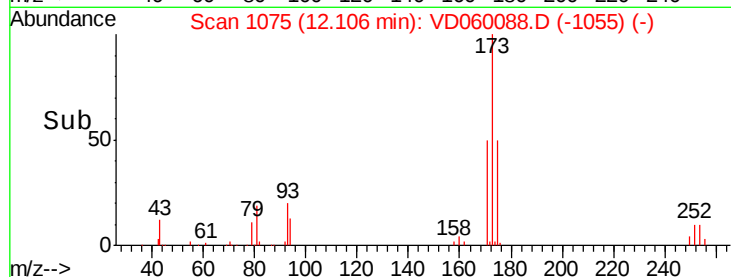
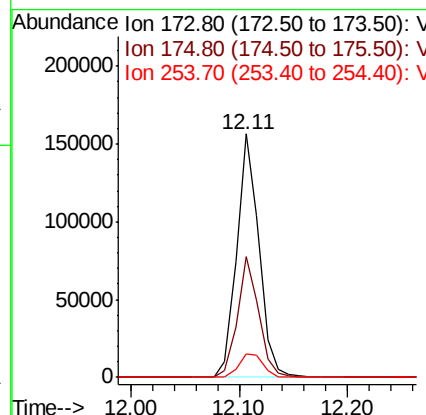
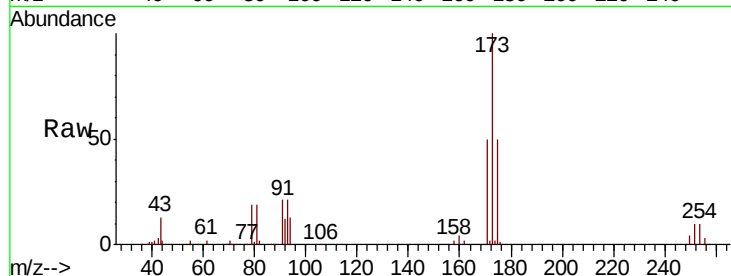
#71
Bromoform
Concen: 20.691 ug/l
RT: 12.11 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.0	72.0
254	9.9	8.6	13.0

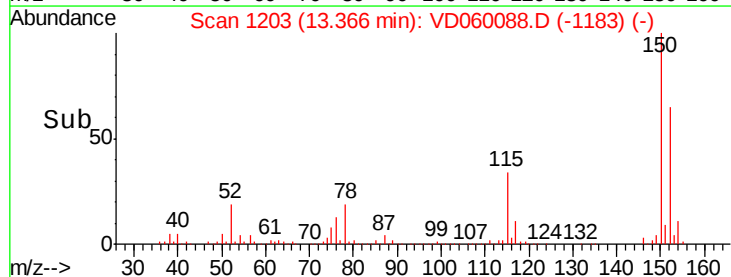
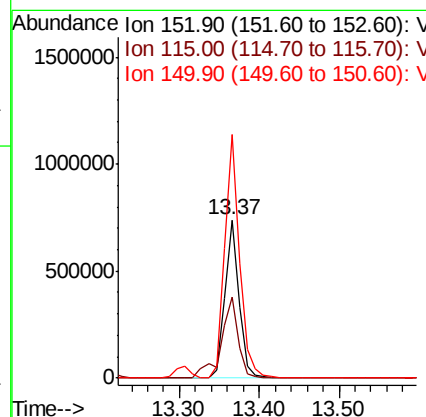
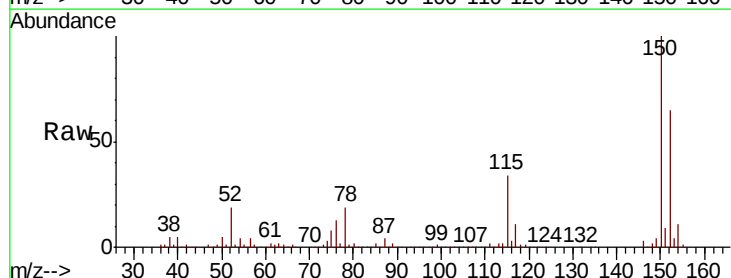
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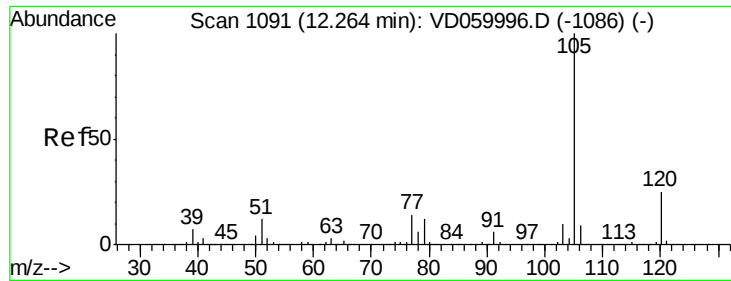
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.5	24.6	73.8
150	153.7	0.0	313.4





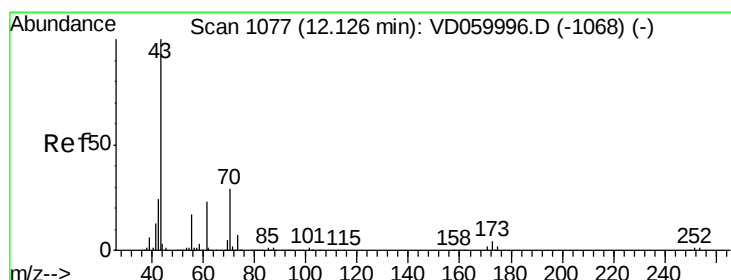
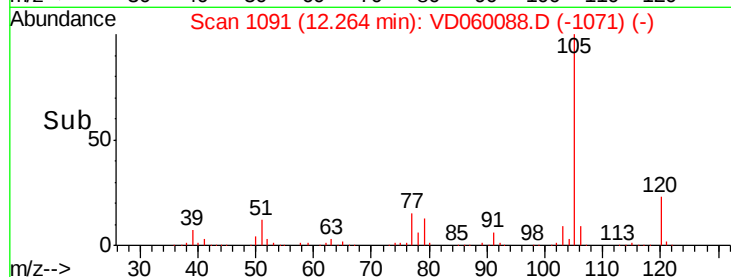
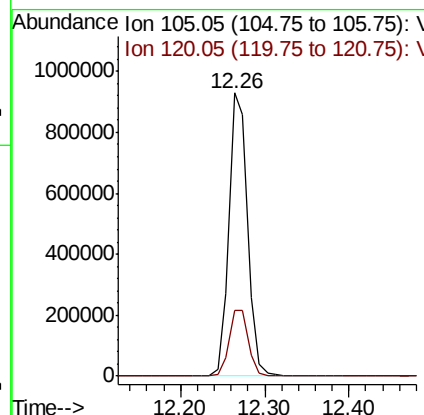
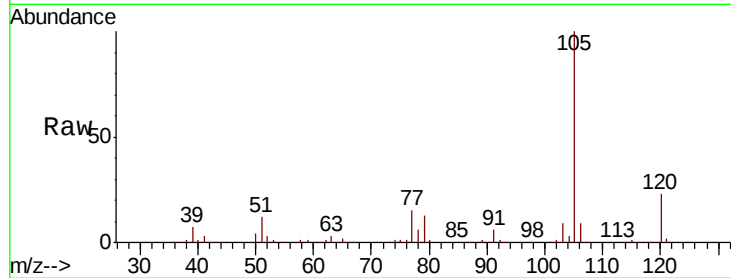
#73
Isopropylbenzene
Concen: 23.403 ug/l
RT: 12.26 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion:105 Resp: 1419309
Ion Ratio Lower Upper
105 100
120 23.4 12.3 36.9

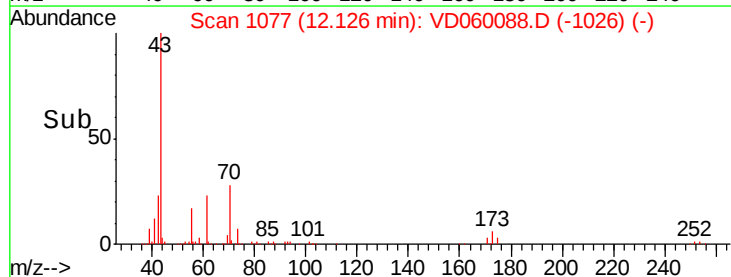
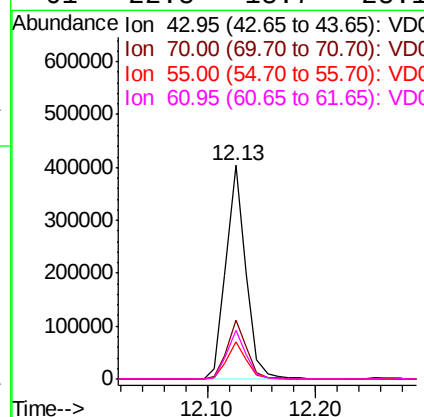
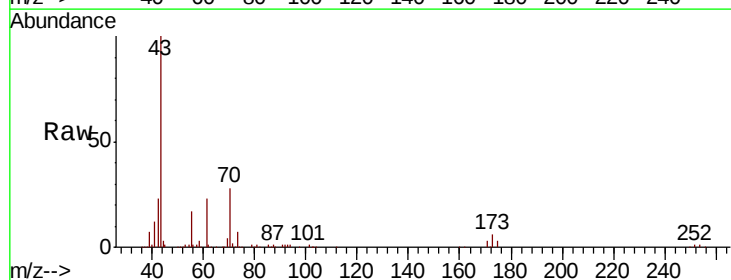
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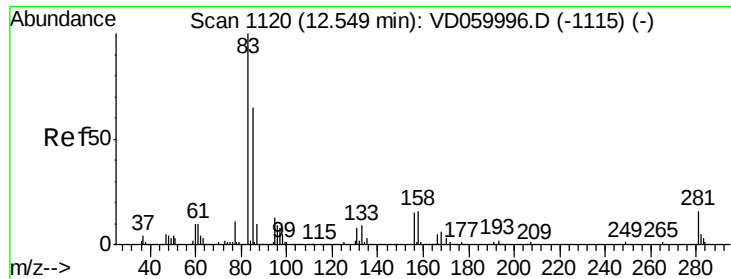
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#74
N-ethyl acetate
Concen: 21.581 ug/l
RT: 12.13 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion: 43 Resp: 518445
Ion Ratio Lower Upper
43 100
70 27.8 22.9 34.3
55 17.4 14.0 21.0
61 22.8 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.523 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 83 Resp: 296117

Ion Ratio Lower Upper

83 100

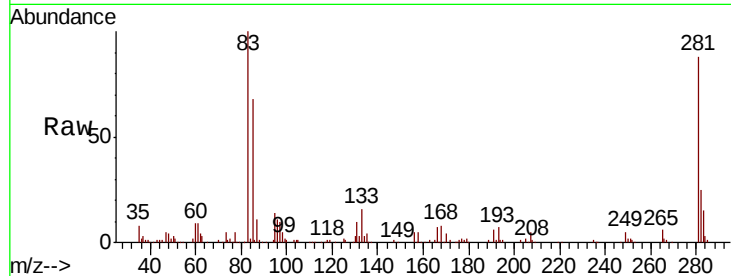
131 9.9 4.1 12.3

85 67.6 32.4 97.2

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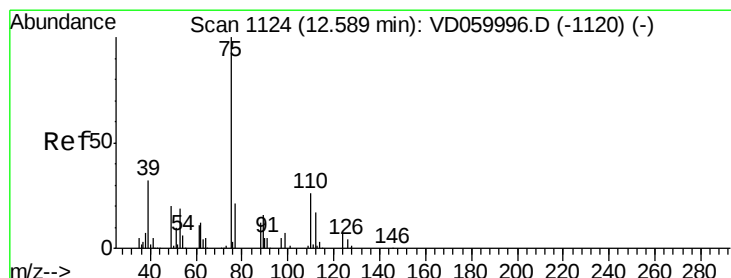
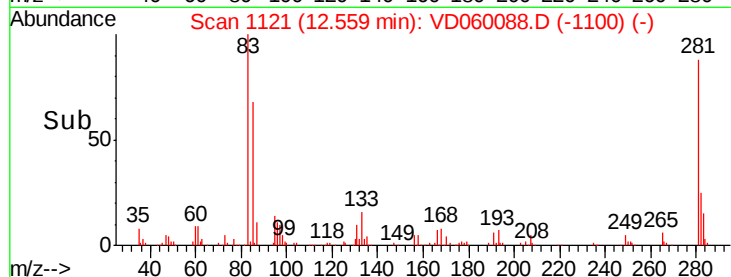
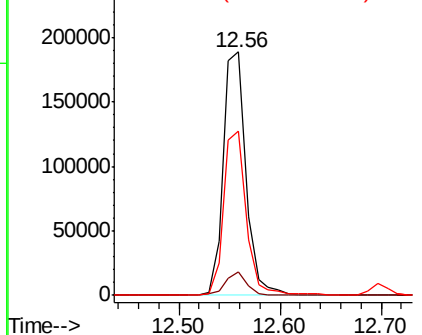
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.361 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VD060088.D

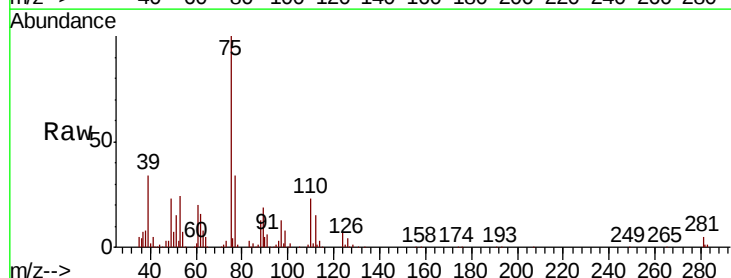
Acq: 25 Sep 2018 12:49

Tgt Ion: 75 Resp: 301680

Ion Ratio Lower Upper

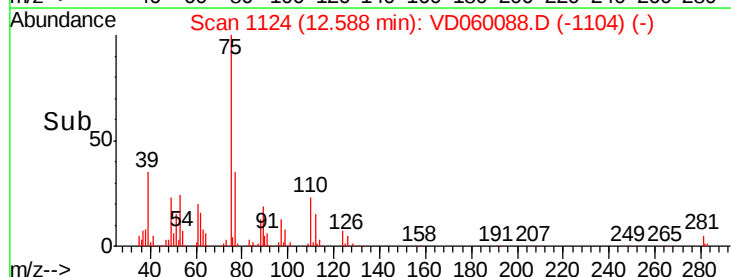
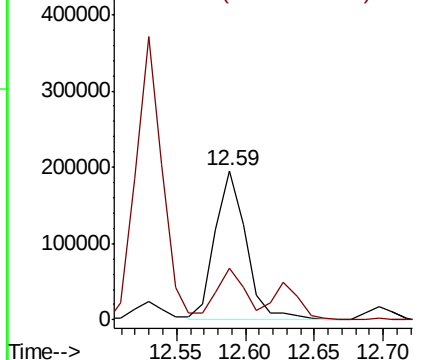
75 100

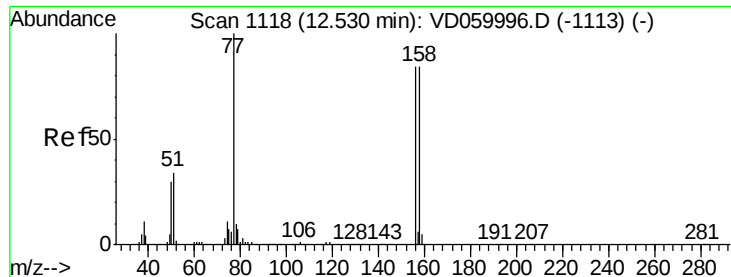
77 34.4 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 23.047 ug/l

RT: 12.53 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

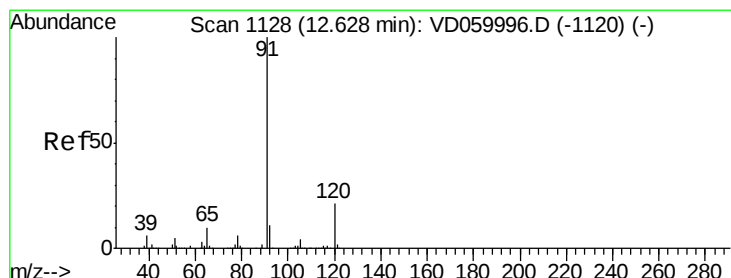
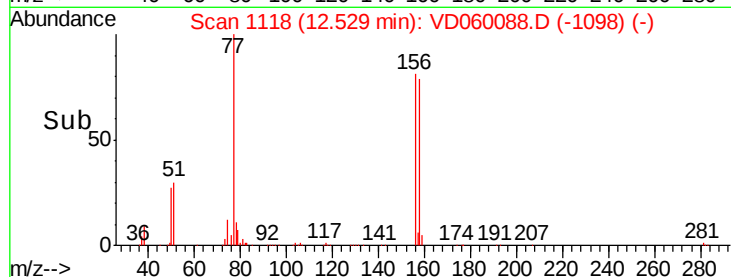
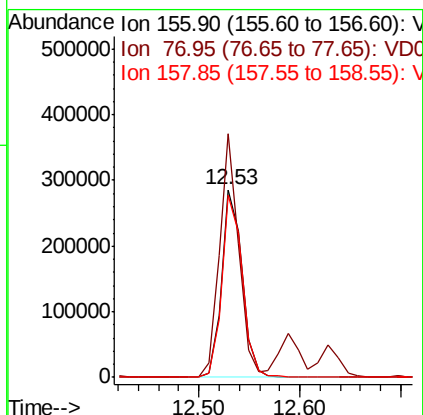
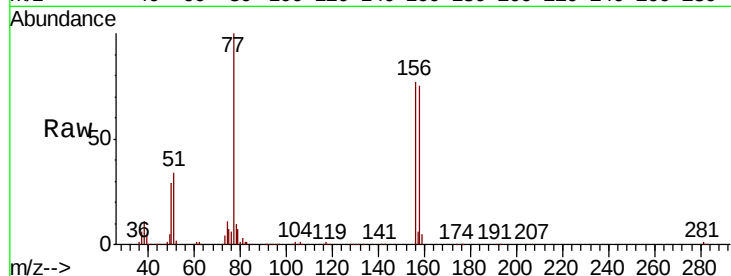
ClientSampleId :

VD0925SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	130.0	59.5	178.4
158	97.1	50.0	149.8

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#78

n-propylbenzene

Concen: 23.223 ug/l

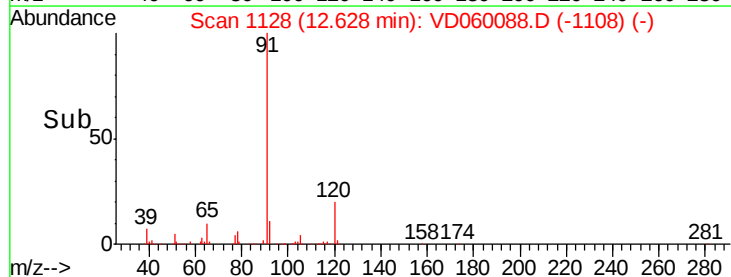
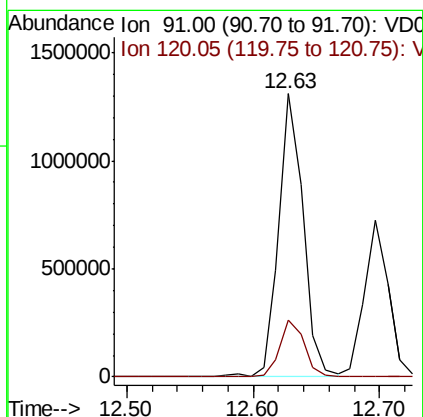
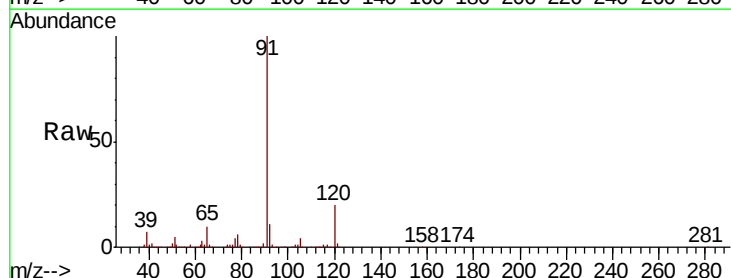
RT: 12.63 min Scan# 1128

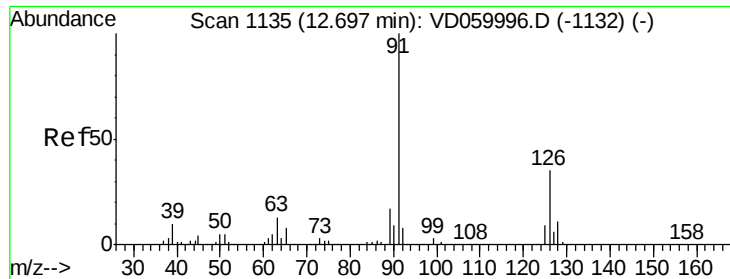
Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.9	10.7	31.9





#79

2-Chlorotoluene

Concen: 22.195 ug/l

RT: 12.70 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 91 Resp: 955405

Ion Ratio Lower Upper

91 100

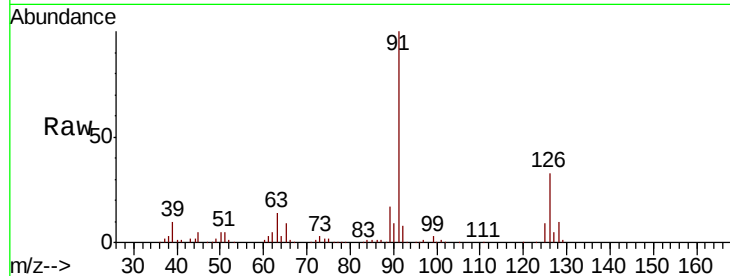
126 32.8 17.3 52.0

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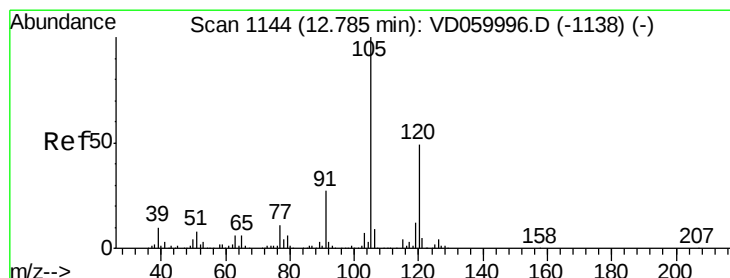
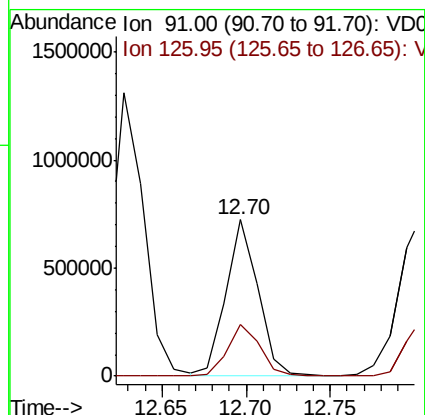
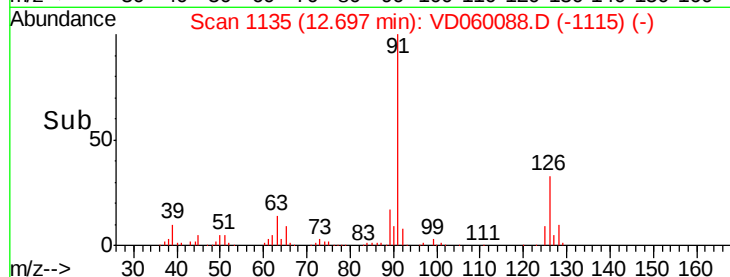
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VD060088.D (-1115) (-)

Ion 125.95 (125.65 to 126.65): VD060088.D (-1115) (-)



#80

1,3,5-Trimethylbenzene

Concen: 24.181 ug/l

RT: 12.79 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VD060088.D

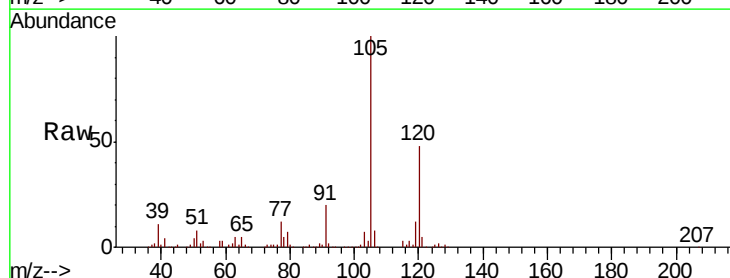
Acq: 25 Sep 2018 12:49

Tgt Ion:105 Resp: 1124037

Ion Ratio Lower Upper

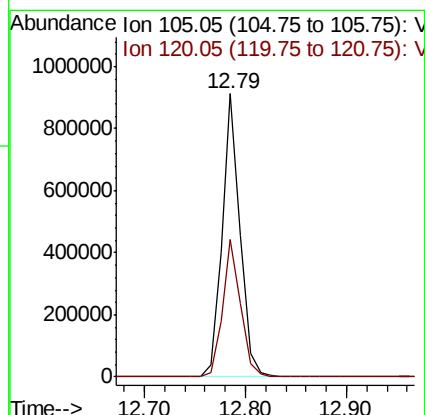
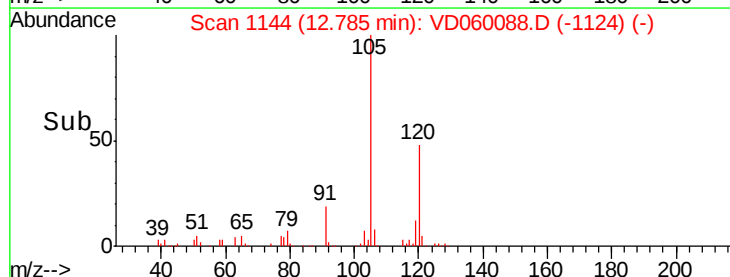
105 100

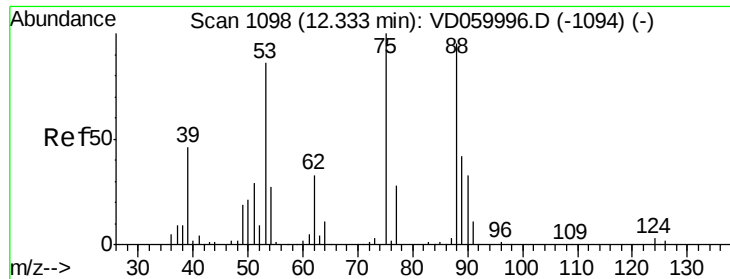
120 48.4 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): VD060088.D (-1124) (-)

Ion 120.05 (119.75 to 120.75): VD060088.D (-1124) (-)





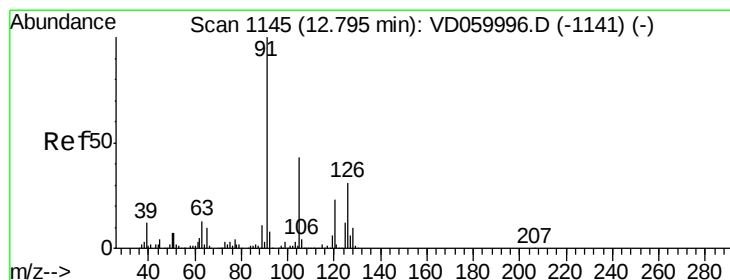
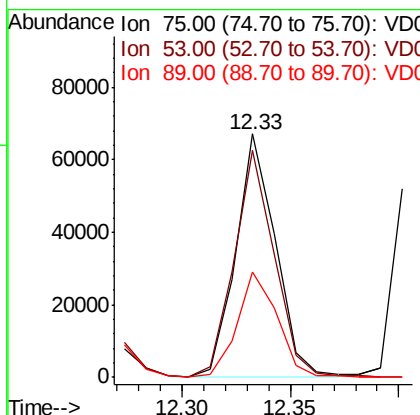
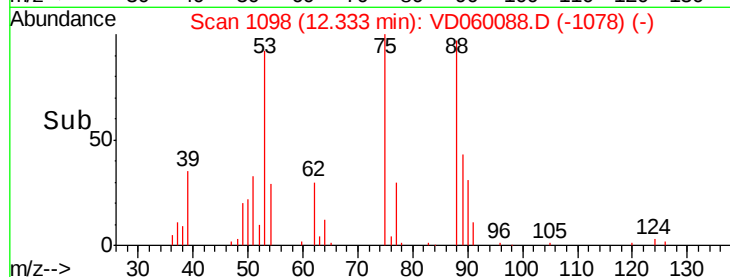
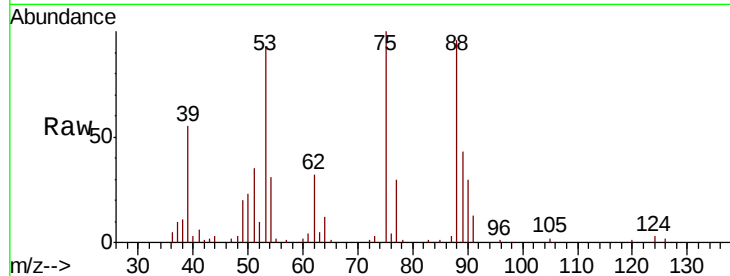
#81
trans-1,4-Dichloro-2-butene
Concen: 20.073 ug/l
RT: 12.33 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.0	68.4	102.6
89	43.1	33.8	50.6

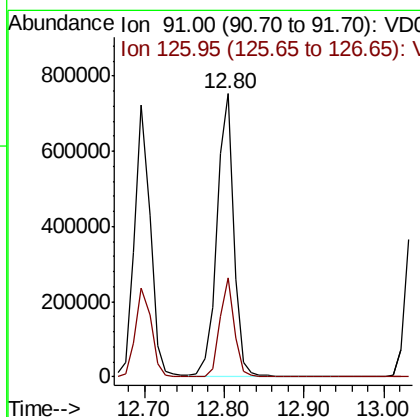
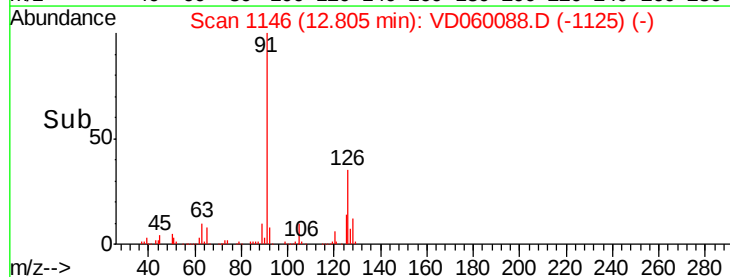
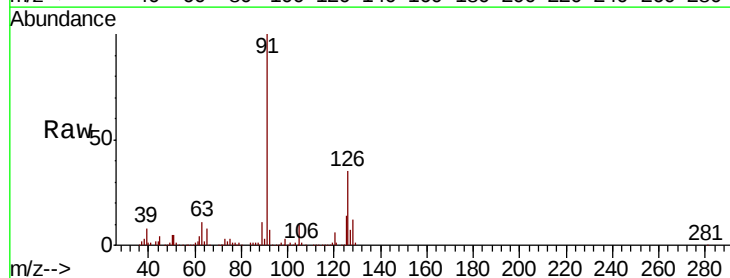
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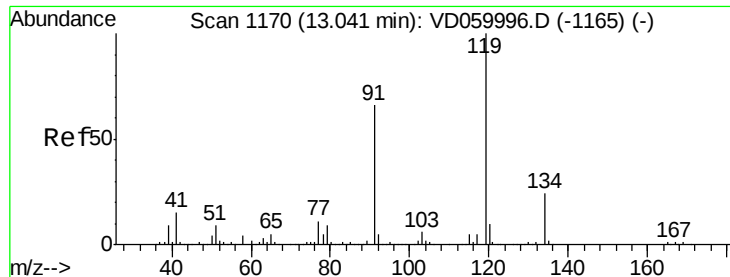
apatel
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#82
4-Chlorotoluene
Concen: 23.679 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	15.4	46.1





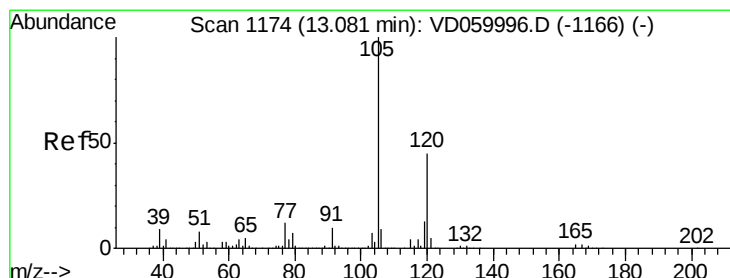
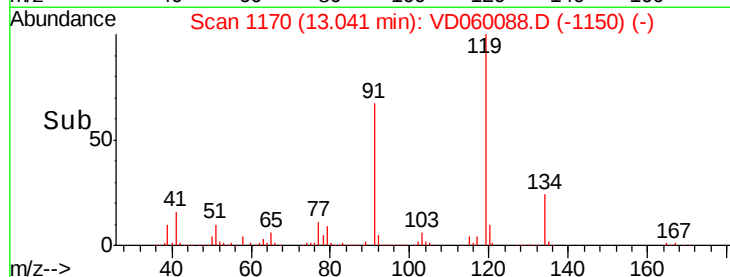
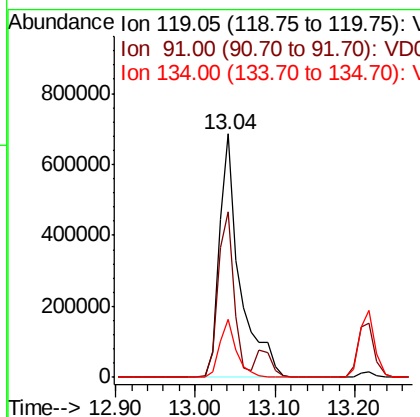
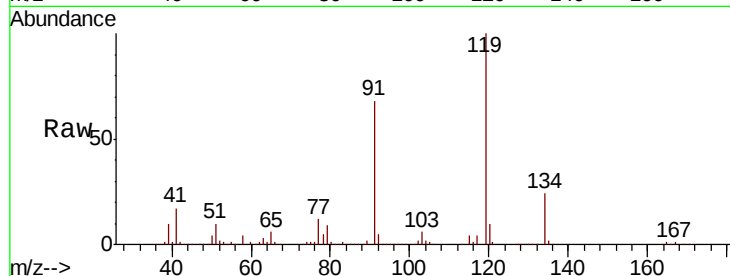
#83
tert-Butylbenzene
Concen: 23.011 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	32.9	98.6
134	23.7	12.0	36.0

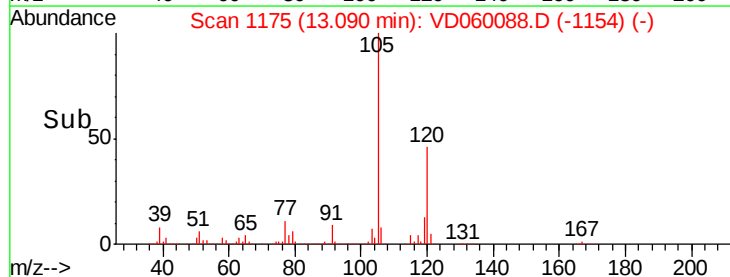
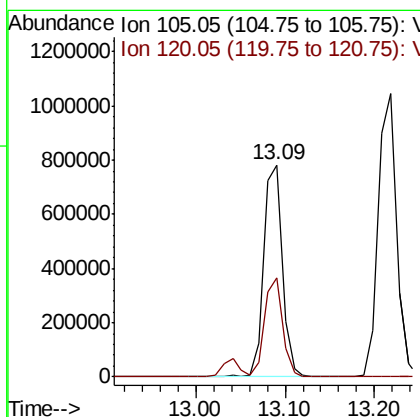
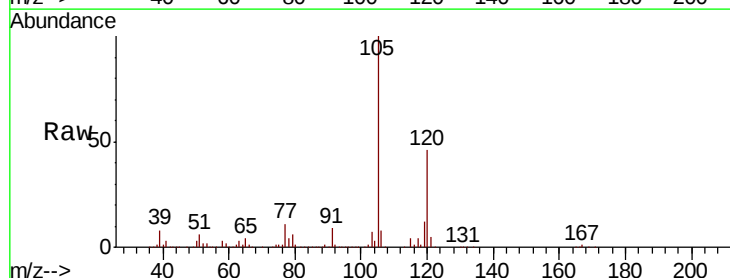
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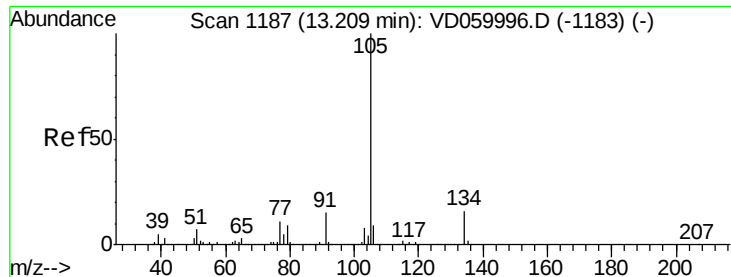
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 22.612 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.4	67.0





#85

sec-Butylbenzene

Concen: 23.029 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. 0.01 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion:105 Resp: 1472118

Ion Ratio Lower Upper

105 100

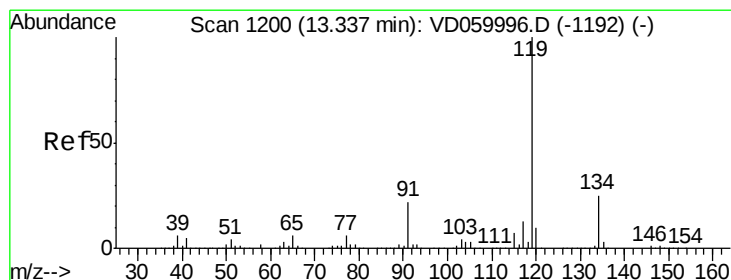
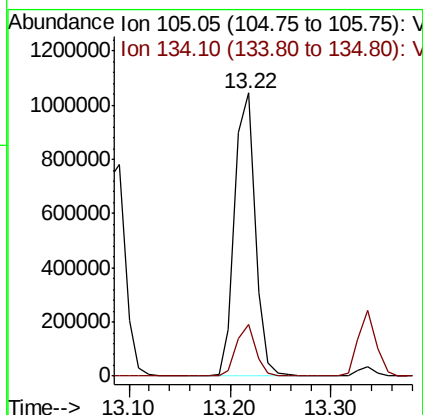
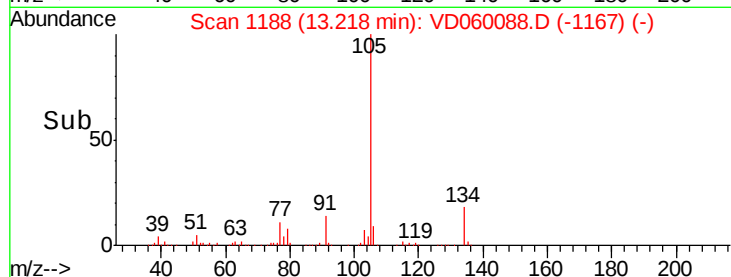
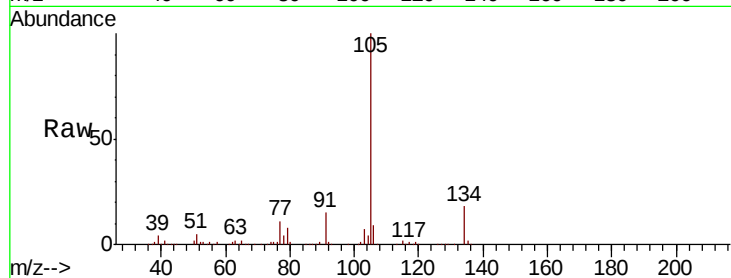
134 18.1 8.2 24.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 23.843 ug/l

RT: 13.34 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD060088.D

Acq: 25 Sep 2018 12:49

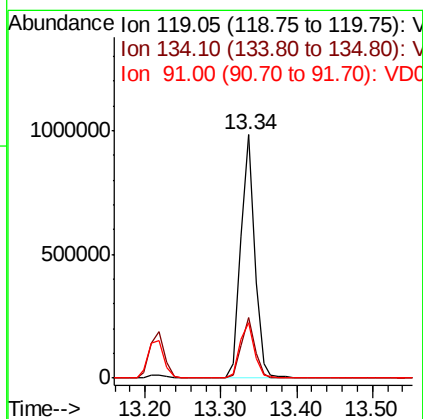
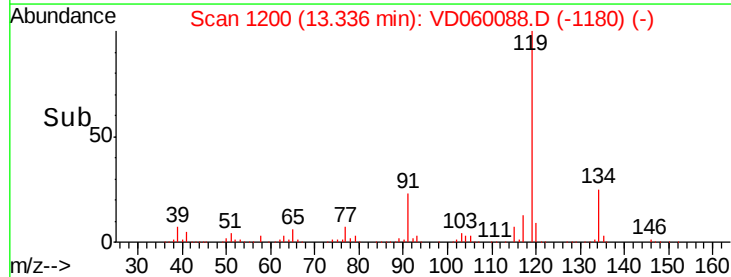
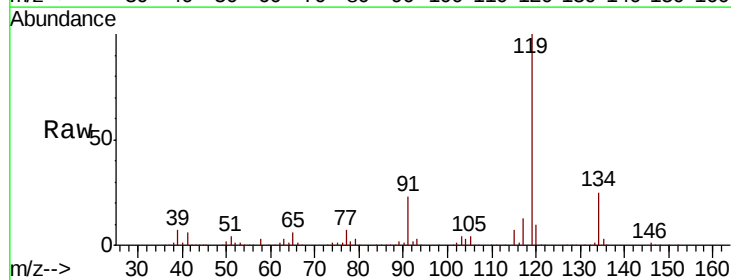
Tgt Ion:119 Resp: 1232763

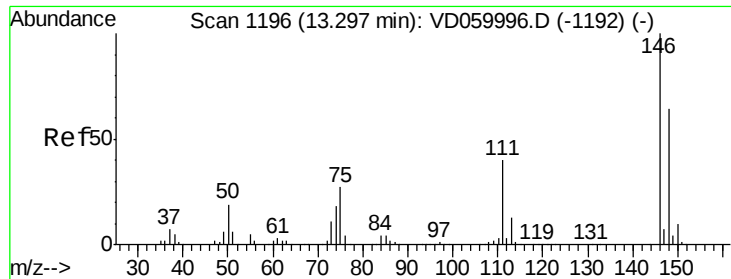
Ion Ratio Lower Upper

119 100

134 24.7 12.8 38.3

91 23.0 11.1 33.3





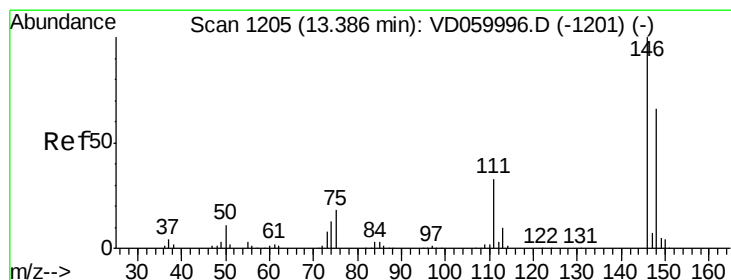
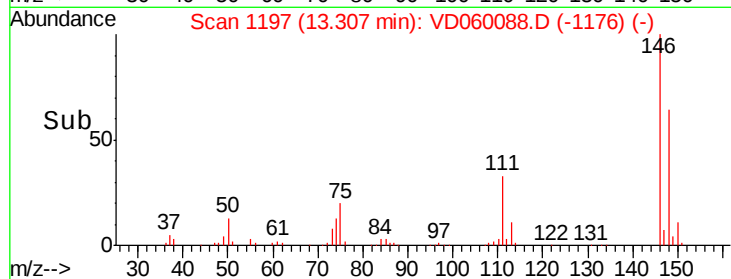
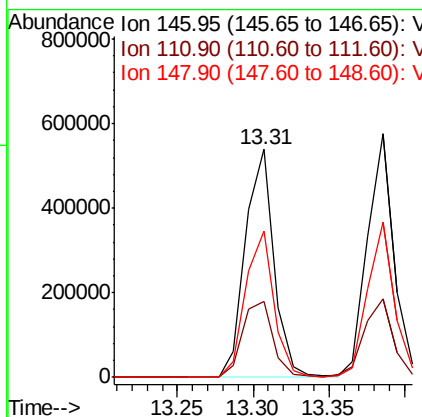
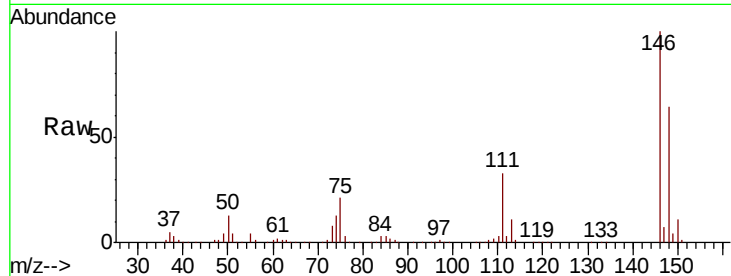
#87
 1,3-Dichlorobenzene
 Concen: 23.377 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	33.2	20.2	60.5
148	64.4	32.0	96.2

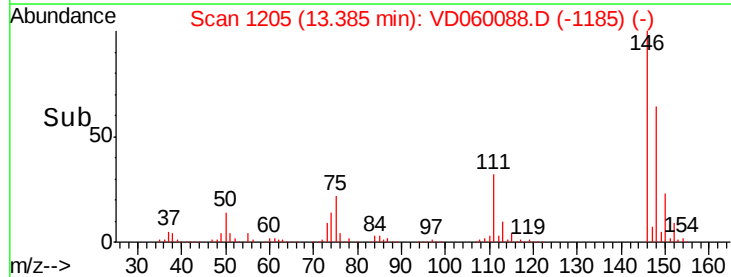
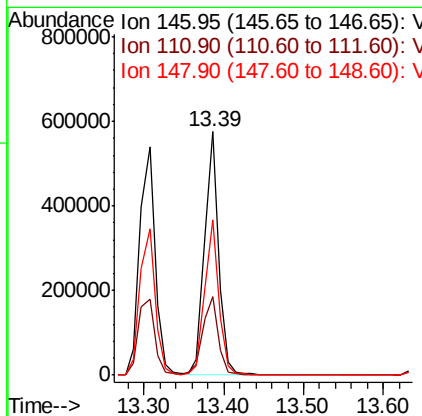
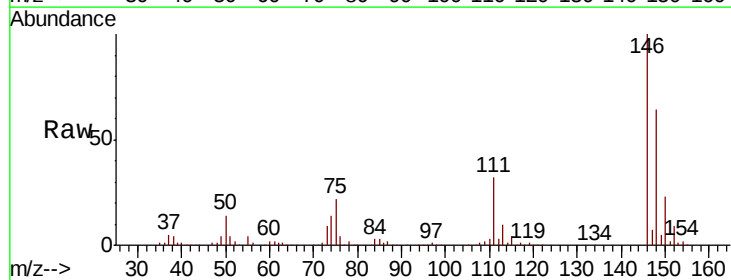
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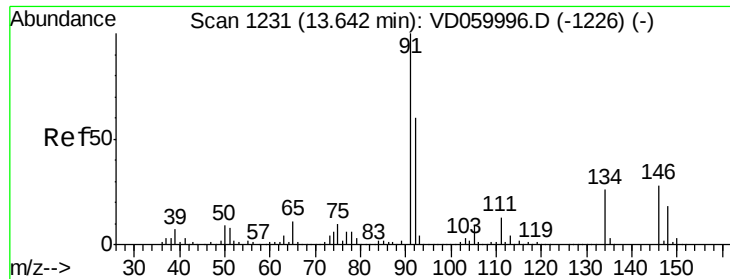
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#88
 1,4-Dichlorobenzene
 Concen: 22.956 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.3	16.7	50.0
148	63.8	32.9	98.6





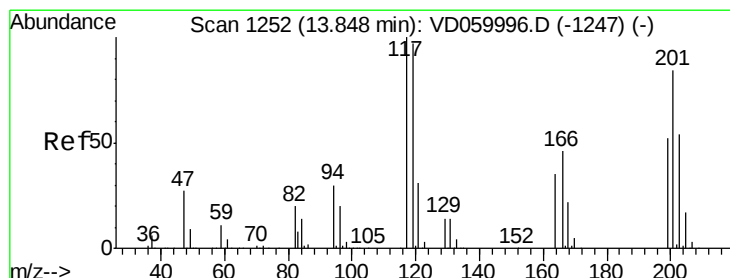
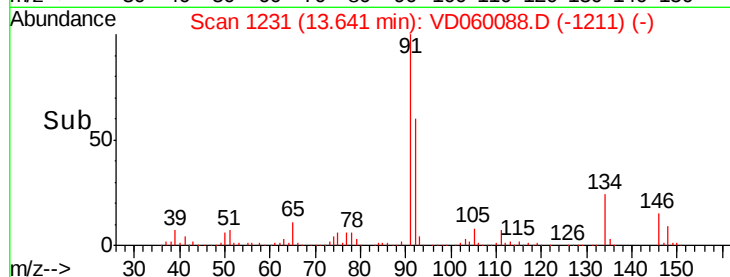
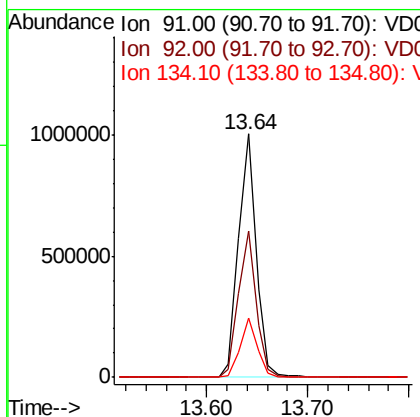
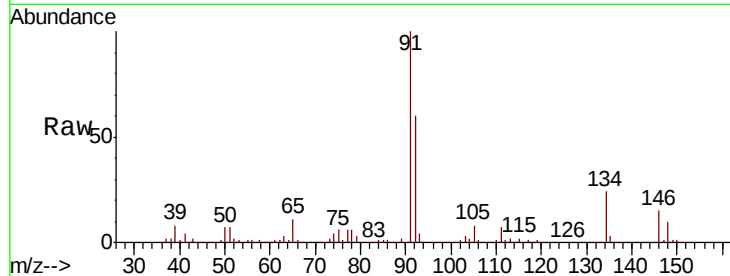
#89
n-Butylbenzene
Concen: 22.145 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion: 91 Resp: 1223556
Ion Ratio Lower Upper
91 100
92 60.3 29.8 89.3
134 24.3 13.2 39.6

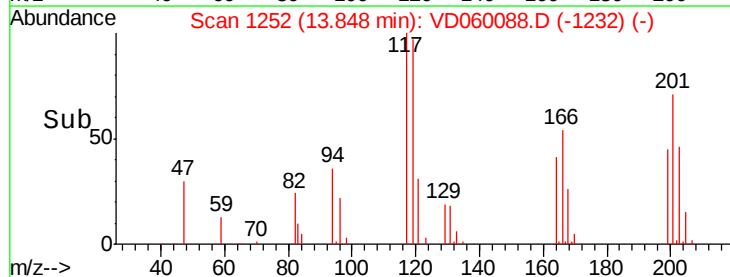
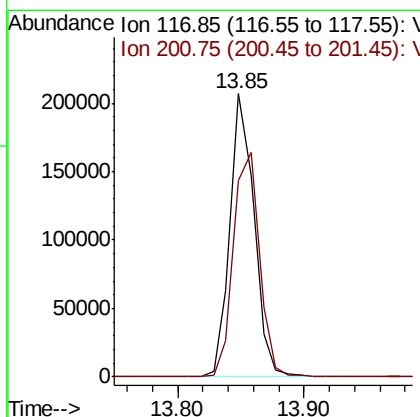
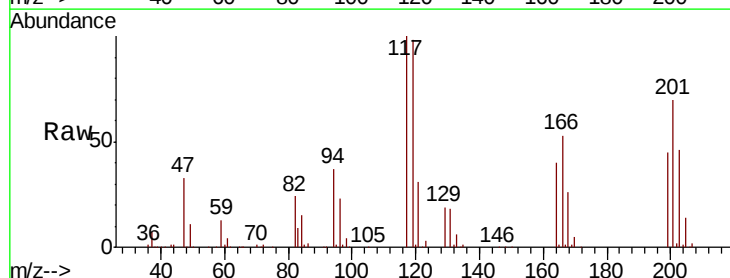
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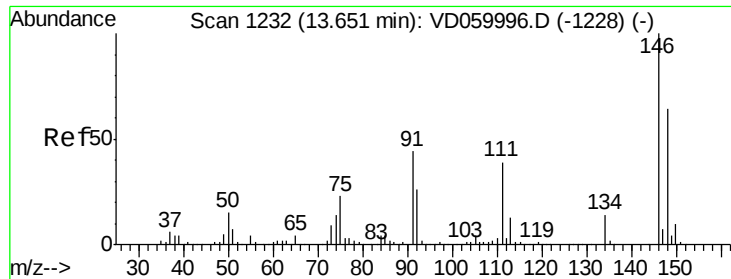
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#90
Hexachloroethane
Concen: 21.303 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion: 117 Resp: 272807
Ion Ratio Lower Upper
117 100
201 69.6 42.1 126.4





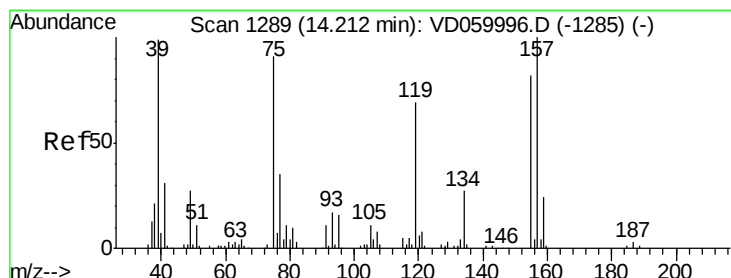
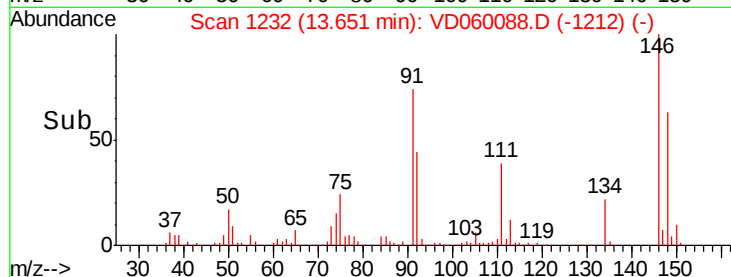
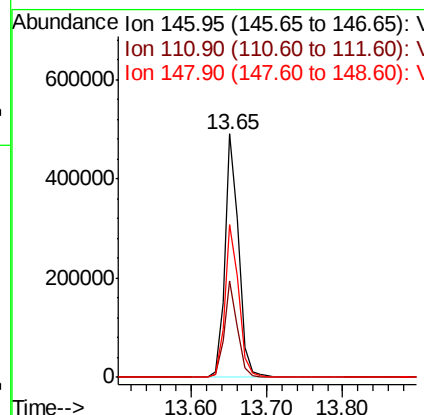
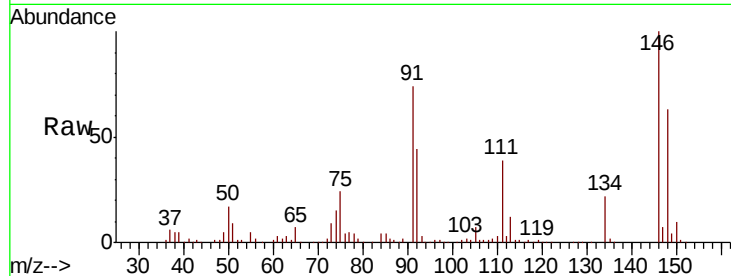
#91
 1,2-Dichlorobenzene
 Concen: 22.470 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	62.6	31.9	95.7

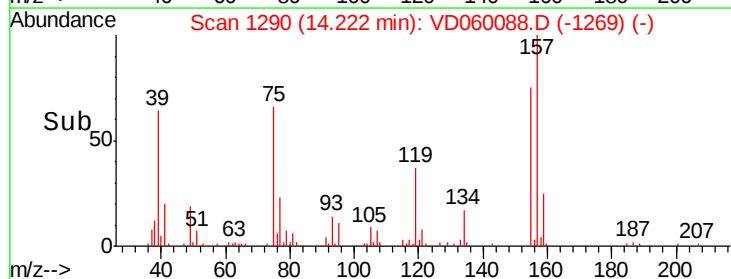
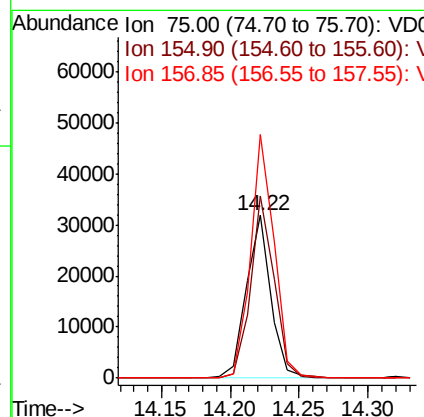
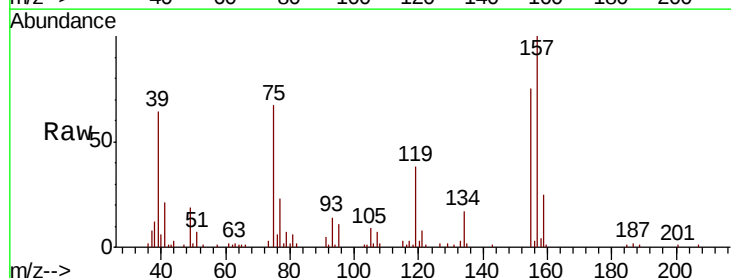
Manual Integrations
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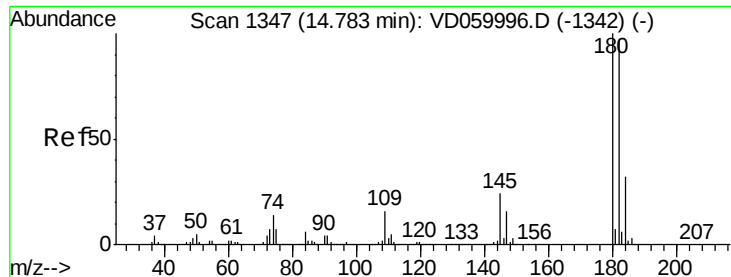
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.777 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	112.2	44.7	134.1
157	149.9	54.7	164.1





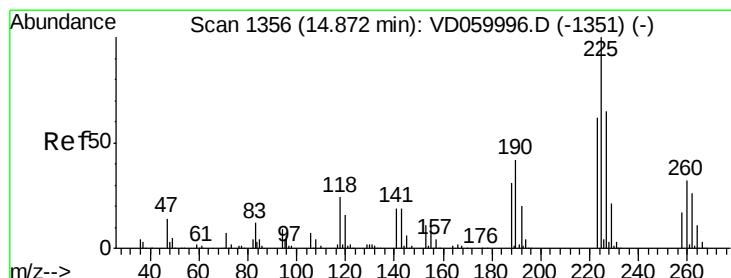
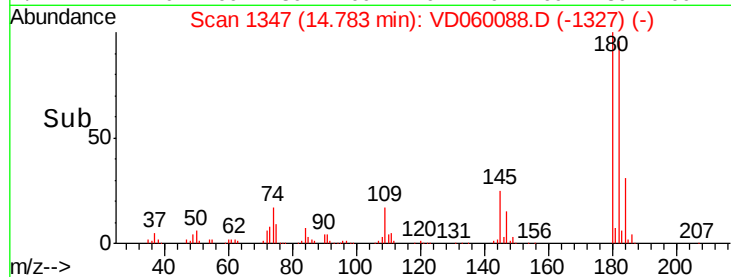
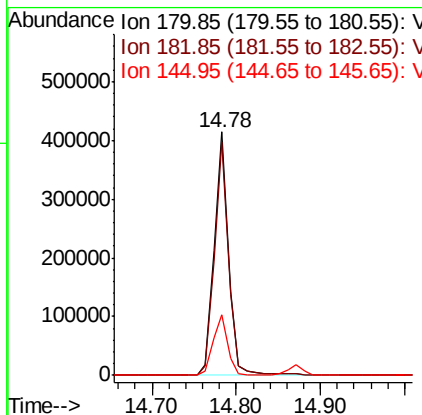
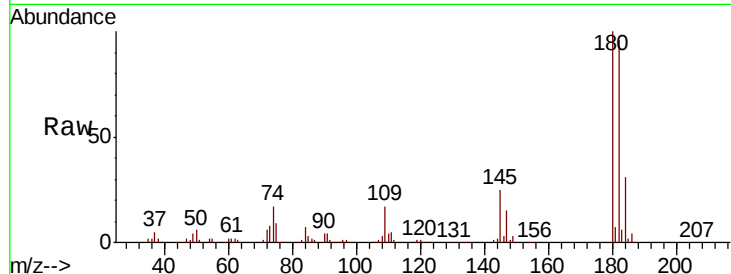
#93
 1,2,4-Trichlorobenzene
 Concen: 22.751 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	492546		
182	96.0	48.5	145.6	
145	24.7	11.9	35.7	

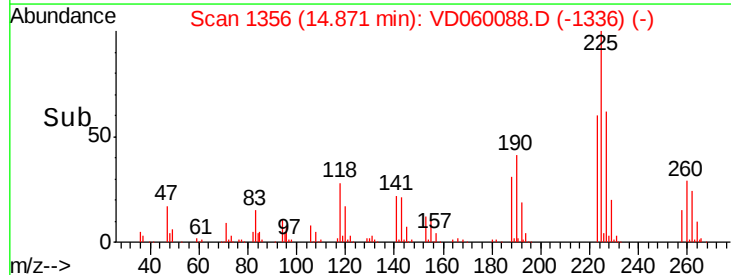
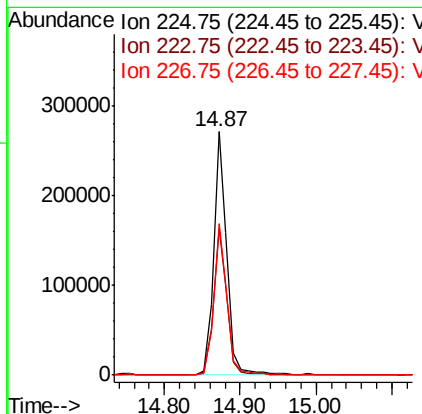
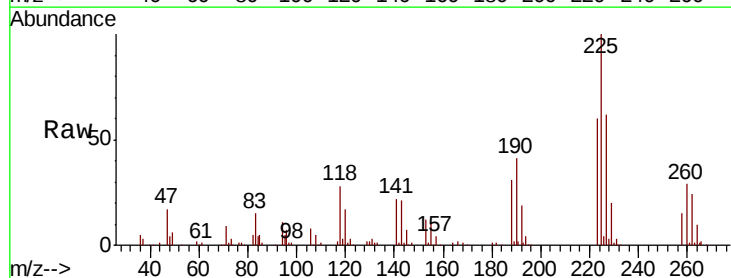
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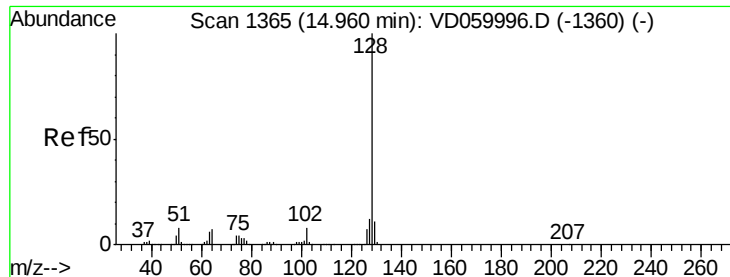
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#94
 Hexachlorobutadiene
 Concen: 23.315 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VD060088.D
 Acq: 25 Sep 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	333897		
223	60.1	31.2	93.6	
227	62.3	32.3	96.8	





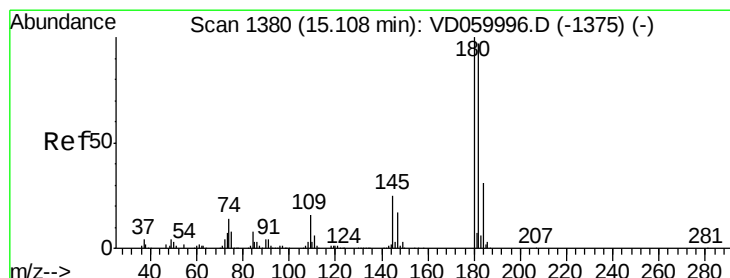
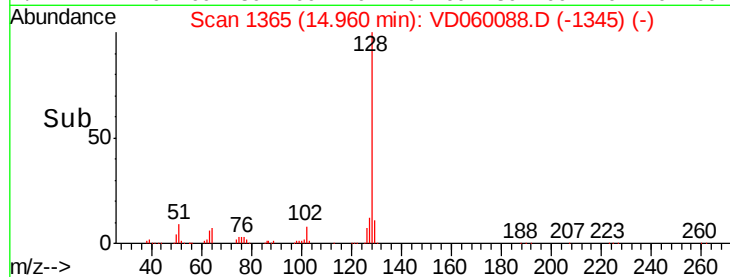
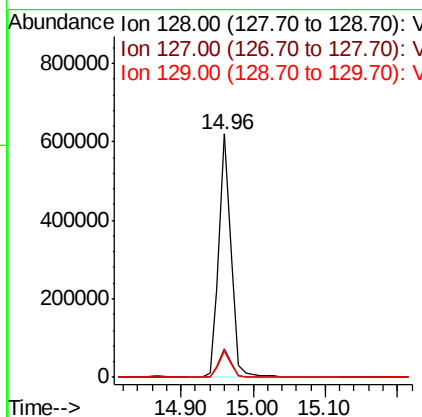
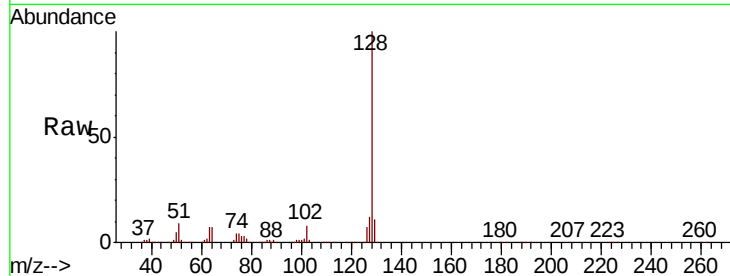
#95
Naphthalene
Concen: 21.580 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.7	14.5
129	10.6	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 22.081 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD060088.D
Acq: 25 Sep 2018 12:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.6	145.9
145	27.8	12.7	38.1

