

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092118\
 Data File : VD060067.D
 Acq On : 21 Sep 2018 13:14
 Operator : VA/AP
 Sample : VD0921SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Manual Integrations
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 9/24/2018 1:02:11 PM

Quant Time: Sep 21 14:41:35 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	1627542	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.44	114	2228354	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.27	117	1790705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	968366	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	680069	53.58	ug/l	0.01
Spiked Amount			Recovery	=	107.16%	
35) Dibromofluoromethane	6.31	113	928631	53.34	ug/l	0.01
Spiked Amount			Recovery	=	106.68%	
50) Toluene-d8	9.44	98	2652682	54.98	ug/l	0.00
Spiked Amount			Recovery	=	109.96%	
62) 4-Bromofluorobenzene	12.43	95	979268	53.13	ug/l	0.01
Spiked Amount			Recovery	=	106.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	309916	18.039	ug/l	97
3) Chloromethane	1.75	50	320208	21.100	ug/l	100
4) Vinyl Chloride	1.85	62	253916	20.814	ug/l	100
5) Bromomethane	2.13	94	22846	15.821	ug/l	92
6) Chloroethane	2.24	64	59928	21.973	ug/l	96
7) Trichlorofluoromethane	2.50	101	296725	22.092	ug/l	99
8) Diethyl Ether	2.82	74	62051	21.733	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.08	101	190807	22.529	ug/l	98
10) Methyl Iodide	3.23	142	187385	20.890	ug/l	91
11) Tert butyl alcohol	3.96	59	75217	73.445	ug/l #	93
12) 1,1-Dichloroethene	3.06	96	152831	22.822	ug/l	93
13) Acrolein	2.98	56	48994	77.252	ug/l	94
14) Allyl chloride	3.52	41	310307	21.972	ug/l	99
15) Acrylonitrile	4.07	53	361481	93.507	ug/l	98
16) Acetone	3.16	43	284170	115.966	ug/l	99
17) Carbon Disulfide	3.30	76	486728	21.095	ug/l	99
18) Methyl Acetate	3.55	43	97330	19.530	ug/l	99
19) Methyl tert-butyl Ether	4.11	73	596327	19.272	ug/l	100
20) Methylene Chloride	3.71	84	439745	21.047	ug/l	99
21) trans-1,2-Dichloroethene	4.09	96	351305	19.991	ug/l	99
22) Diisopropyl ether	4.85	45	1301080	20.197	ug/l	98
23) Vinyl Acetate	4.79	43	3630183	99.468	ug/l	99
24) 1,1-Dichloroethane	4.74	63	583533	20.185	ug/l	99
25) 2-Butanone	5.61	43	704890	106.599	ug/l	99
26) 2,2-Dichloropropane	5.58	77	469726	20.899	ug/l	99
27) cis-1,2-Dichloroethene	5.59	96	377733	20.549	ug/l	98
28) Bromochloromethane	5.91	49	274614	19.762	ug/l	96
29) Tetrahydrofuran	5.94	42	314013	88.548	ug/l	99
30) Chloroform	6.09	83	595259	20.304	ug/l	97
31) Cyclohexane	6.35	56	546166	19.376	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	484997	19.946	ug/l	98
36) 1,1-Dichloropropene	6.51	75	458229	20.701	ug/l	96
37) Ethyl Acetate	5.68	43	290211	19.065	ug/l	98
38) Carbon Tetrachloride	6.49	117	414642	20.067	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	511867	20.442	ug/l	99
40) Benzene	6.79	78	1188603	21.068	ug/l	99
41) Methacrylonitrile	5.92	41	140742m	17.653	ug/l	
42) 1,2-Dichloroethane	6.89	62	336401	19.858	ug/l	98
43) Isopropyl Acetate	8.34	43	357549	17.543	ug/l #	100
44) Trichloroethene	7.73	130	358920	20.591	ug/l	97
45) 1,2-Dichloropropane	8.10	63	307996	20.416	ug/l	98
46) Dibromomethane	8.20	93	192434	19.550	ug/l	98
47) Bromodichloromethane	8.48	83	419963	19.789	ug/l	95
48) Methyl methacrylate	8.23	41	210305	18.528	ug/l	100
49) 1,4-Dioxane	8.22	88	39904	353.946	ug/l	99
51) 4-Methyl-2-Pentanone	9.34	43	1497930	99.545	ug/l	99
52) Toluene	9.54	92	768554	21.253	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	392119	19.811	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	476837	20.164	ug/l	96
55) 1,1,2-Trichloroethane	10.17	97	243762	19.414	ug/l	98
56) Ethyl methacrylate	10.02	69	267522	19.209	ug/l	100
57) 1,3-Dichloropropane	10.38	76	365175	19.703	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.91	63	692086	102.912	ug/l	97
59) 2-Hexanone	10.49	43	1106617	102.317	ug/l	99
60) Dibromochloromethane	10.63	129	289886	18.969	ug/l	98
61) 1,2-Dibromoethane	10.75	107	251412	19.394	ug/l	99
64) Tetrachloroethene	10.24	164	328635	20.801	ug/l	94
65) Chlorobenzene	11.30	112	805903	20.933	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	285948	22.021	ug/l	99
67) Ethyl Benzene	11.42	91	1432185	23.116	ug/l	99
68) m/p-Xylenes	11.56	106	1060306	46.338	ug/l	94
69) o-Xylene	11.93	106	509824	22.486	ug/l	97
70) Styrene	11.95	104	838555	21.997	ug/l	98
71) Bromoform	12.11	173	202333	18.136	ug/l	97
73) Isopropylbenzene	12.27	105	1383024	21.777	ug/l	99
74) N-amyl acetate	12.13	43	473354	18.816	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	271976	18.877	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	280019	18.934	ug/l	97
77) Bromobenzene	12.53	156	387097	21.159	ug/l	96
78) n-propylbenzene	12.63	91	1771599	22.182	ug/l	98
79) 2-Chlorotoluene	12.70	91	947865	21.027	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	1096285	22.521	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	77178	17.287	ug/l	94
82) 4-Chlorotoluene	12.81	91	1103209	22.260	ug/l	92
83) tert-Butylbenzene	13.05	119	1236742	21.930	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1139150	21.929	ug/l	97
85) sec-Butylbenzene	13.21	105	1453592	21.714	ug/l	99
86) p-Isopropyltoluene	13.34	119	1179715	21.789	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	682437	21.451	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	687996	21.321	ug/l	98
89) n-Butylbenzene	13.65	91	1225083	21.008	ug/l	99
90) Hexachloroethane	13.85	117	271080	20.214	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	601879	20.451	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	36251	16.505	ug/l	59

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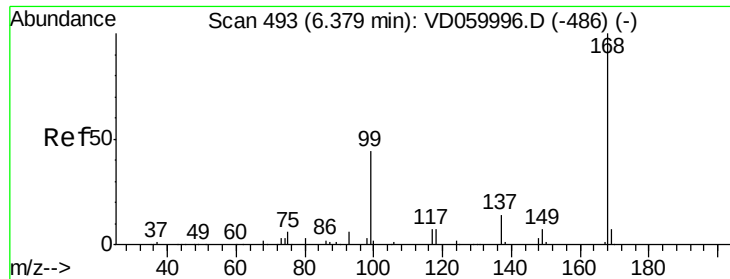
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	477998	21.084	ug/l	99
94) Hexachlorobutadiene	14.88	225	313469	20.902	ug/l	98
95) Naphthalene	14.96	128	667434	19.063	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	402102	20.126	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBSD01

Tot Ion:168 Resp: 1627542

Ion Ratio Lower Upper

168 100

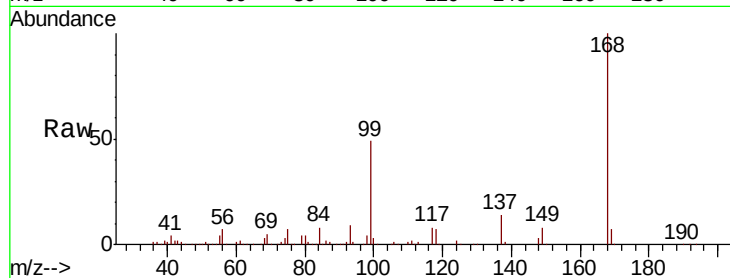
99 48.9 38.5 57.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.39

600000

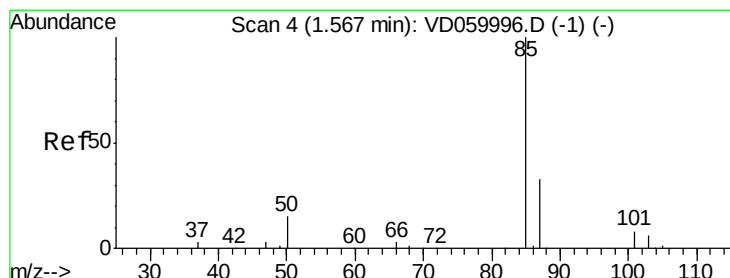
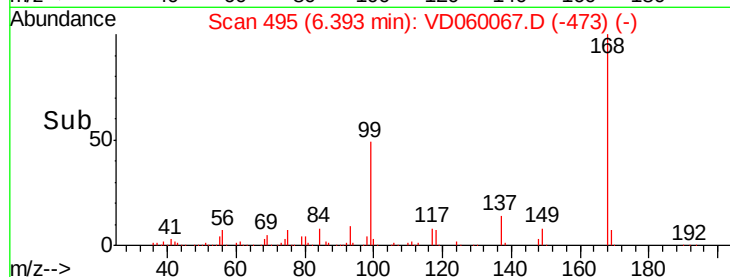
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 18.039 ug/l

RT: 1.58 min Scan# 6

Delta R.T. 0.01 min

Lab File: VD060067.D

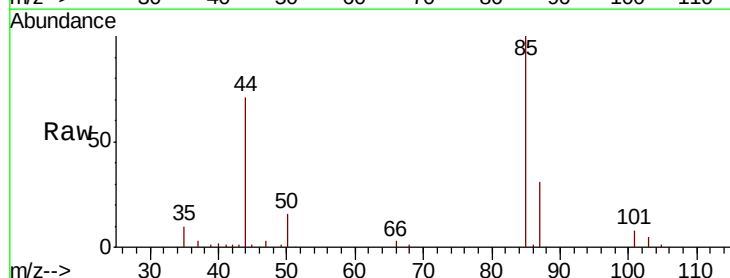
Acq: 21 Sep 2018 13:14

Tgt Ion: 85 Resp: 309916

Ion Ratio Lower Upper

85 100

87 30.9 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

1.58

150000

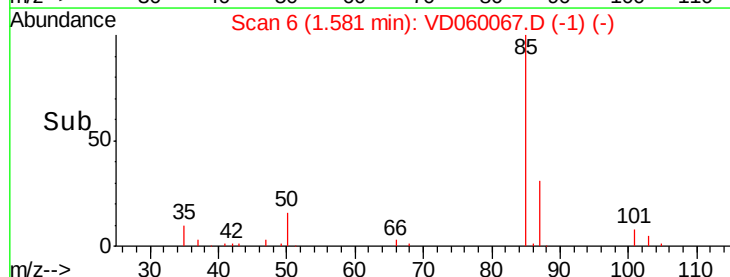
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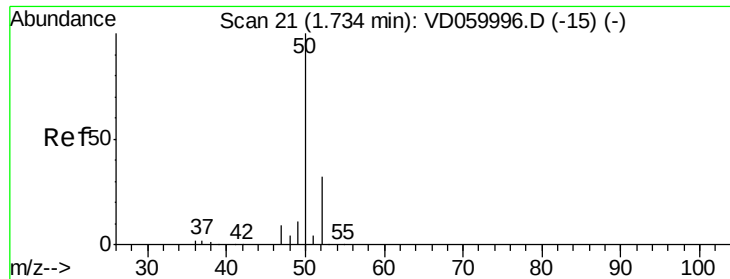
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 21.100 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.01 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBSD01

Tot Ion: 50 Resp: 320208

Ion Ratio Lower Upper

50 100

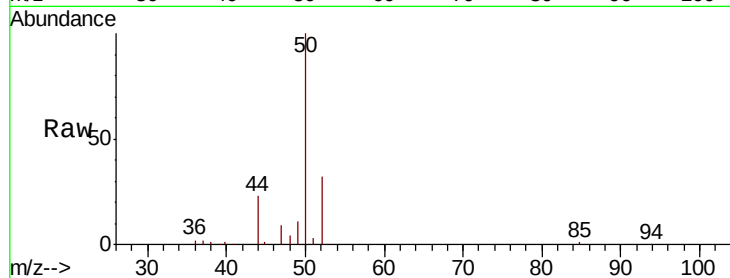
52 31.7 25.4 38.2

Manual Integrations

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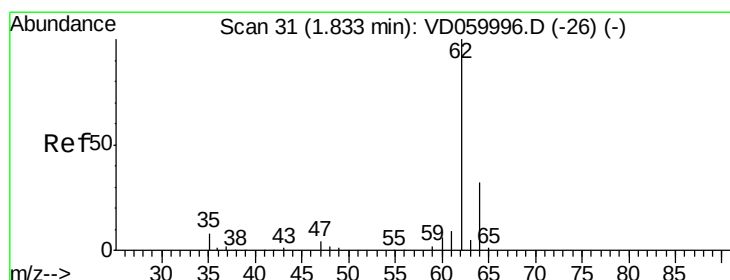
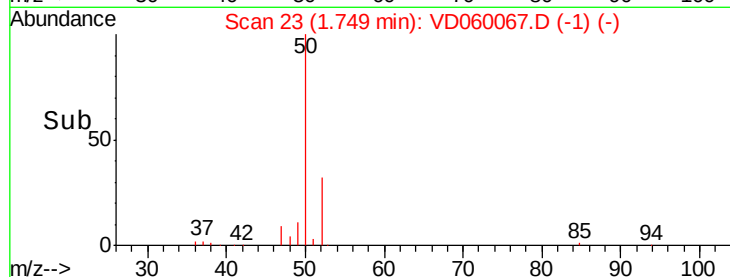
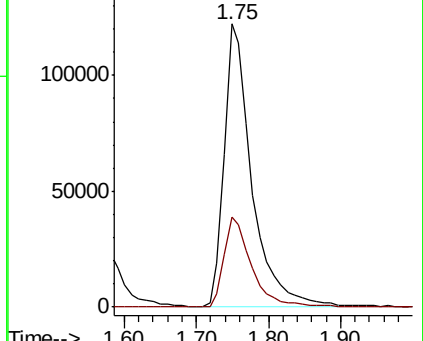
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.814 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD060067.D

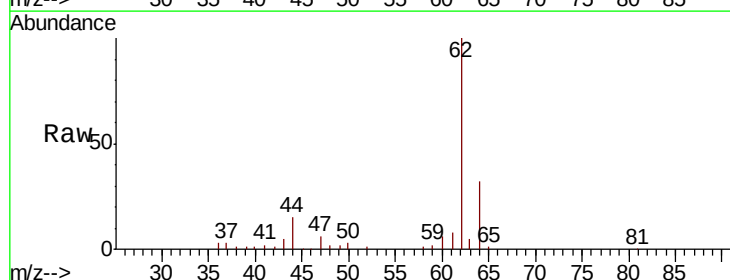
Acq: 21 Sep 2018 13:14

Tgt Ion: 62 Resp: 253916

Ion Ratio Lower Upper

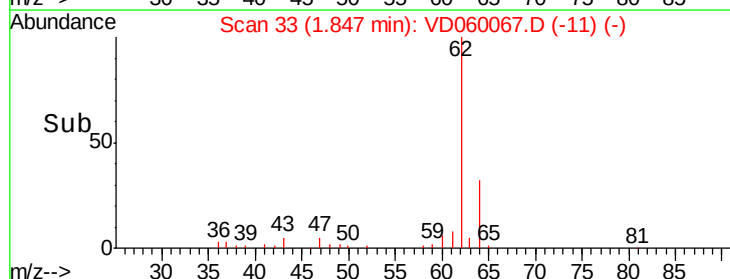
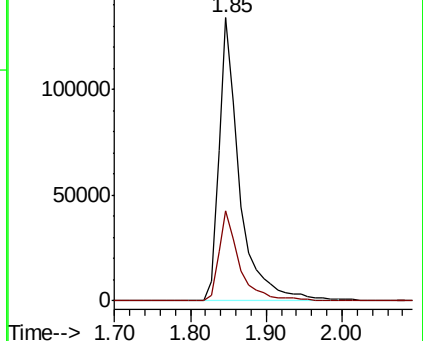
62 100

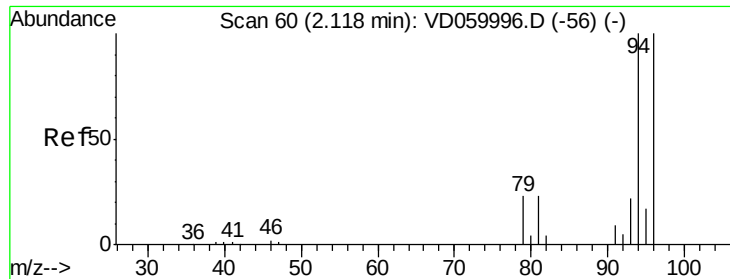
64 31.8 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.821 ug/l

RT: 2.13 min Scan# 62

Delta R.T. 0.01 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Instrument :

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ClientSampleId :

VD0921SBS01

Tot Ion: 94 Resp: 22846

Ion Ratio Lower Upper

94 100

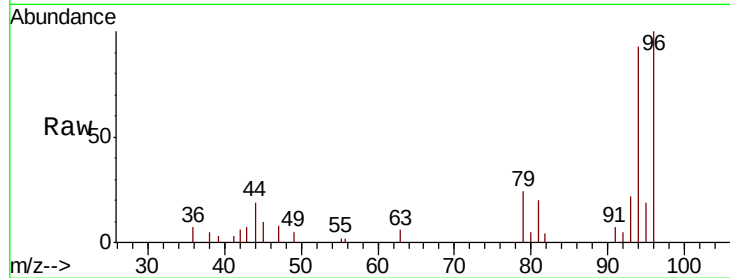
96 107.7 79.8 119.8

Manual Integrations

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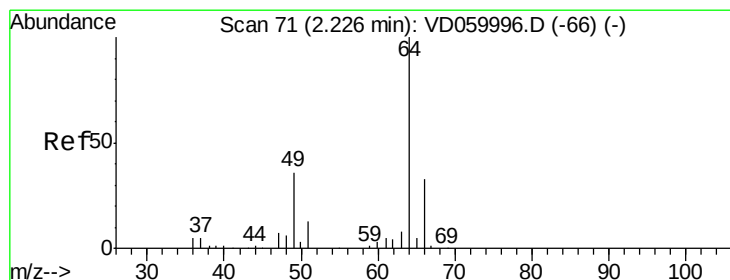
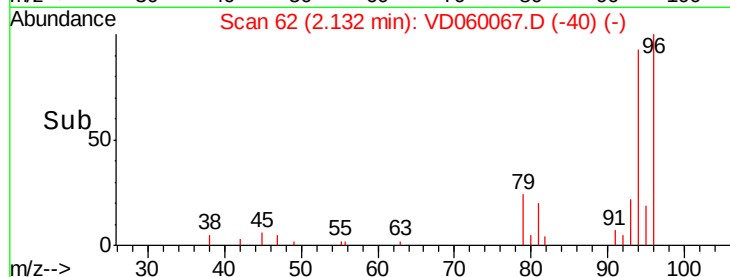
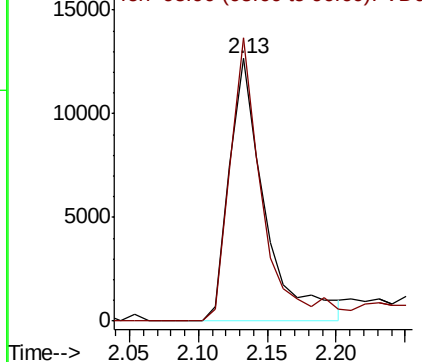
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.973 ug/l

RT: 2.24 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD060067.D

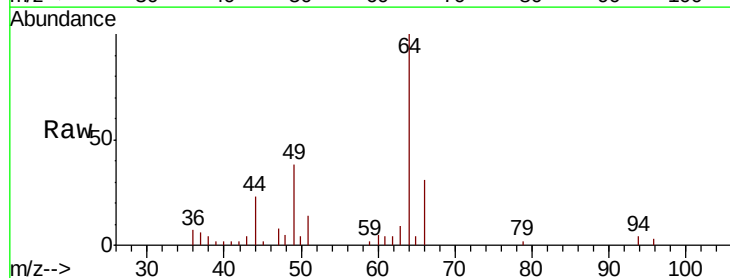
Acq: 21 Sep 2018 13:14

Tgt Ion: 64 Resp: 59928

Ion Ratio Lower Upper

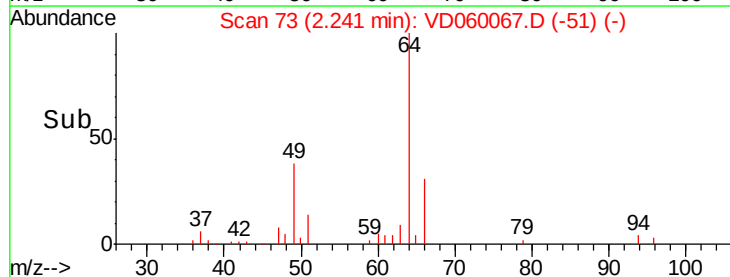
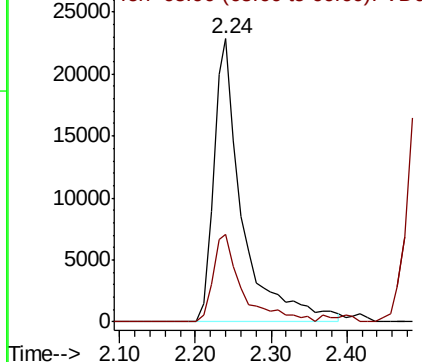
64 100

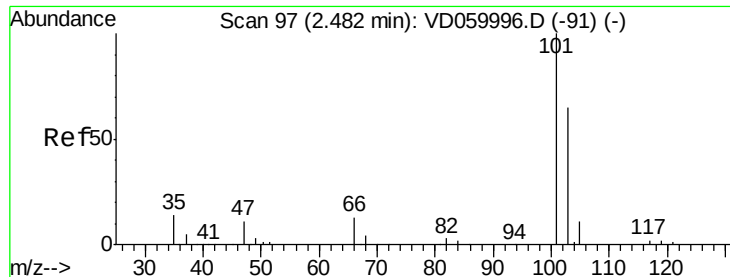
66 30.8 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

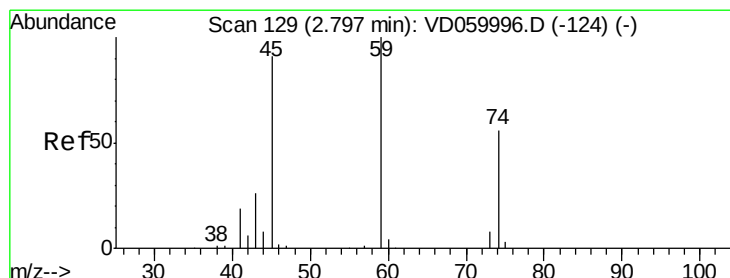
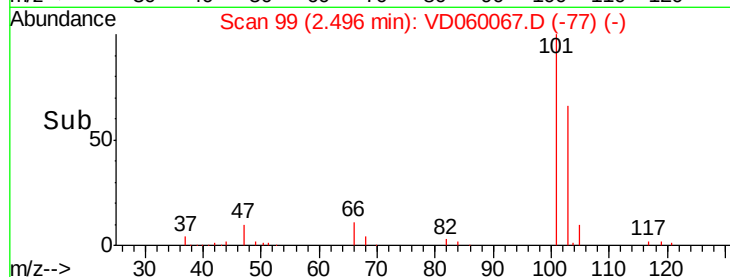
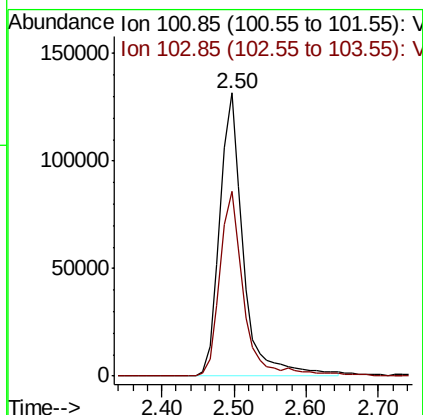
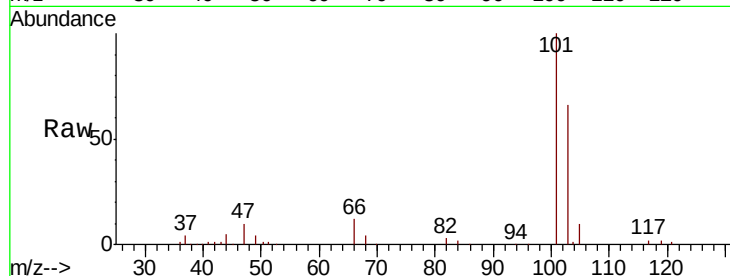
Trichlorofluoromethane
 Concen: 22.092 ug/l
 RT: 2.50 min Scan# 99
 Delta R.T. 0.01 min
 Lab File: VD060067.D
 Acq: 21 Sep 2018 13:14

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 VD0921SBS01

Tot Ion:101 Resp: 296725
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.6 77.4

Manual Integrations
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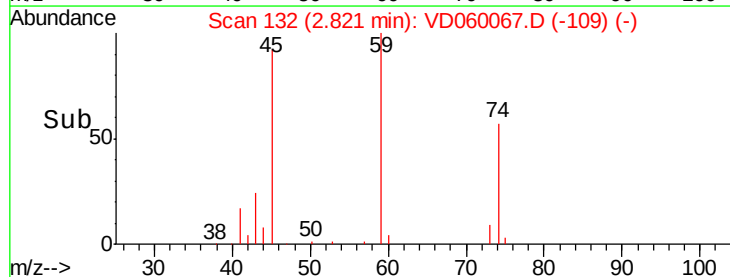
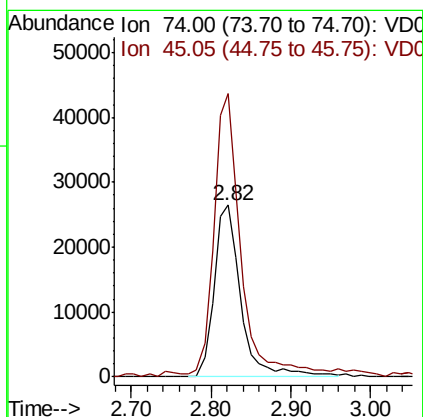
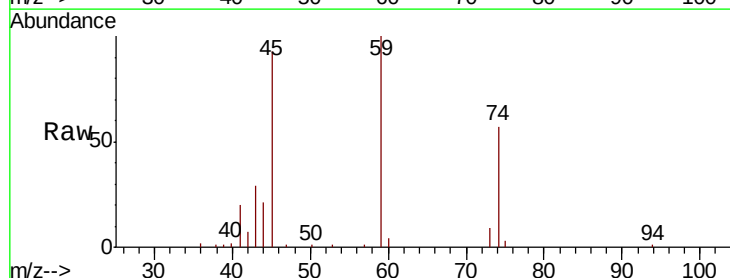
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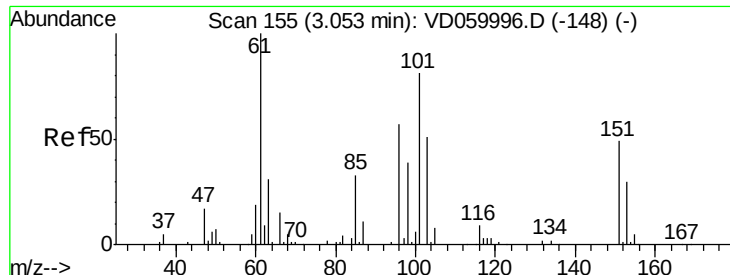


#8

Diethyl Ether
 Concen: 21.733 ug/l
 RT: 2.82 min Scan# 132
 Delta R.T. 0.02 min
 Lab File: VD060067.D
 Acq: 21 Sep 2018 13:14

Tgt Ion: 74 Resp: 62051
 Ion Ratio Lower Upper
 74 100
 45 164.6 81.2 243.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.529 ug/l

RT: 3.08 min Scan# 158

Delta R.T. 0.02 min

Lab File: VD060067.D

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Instrument :

MSVOA_D

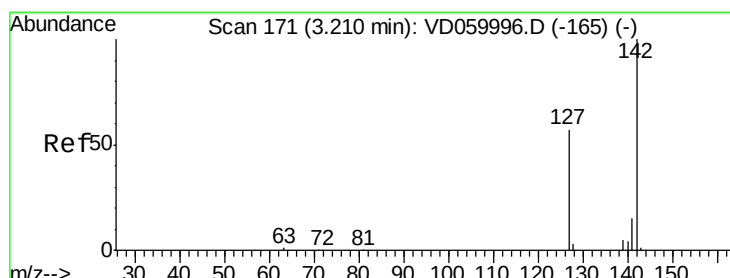
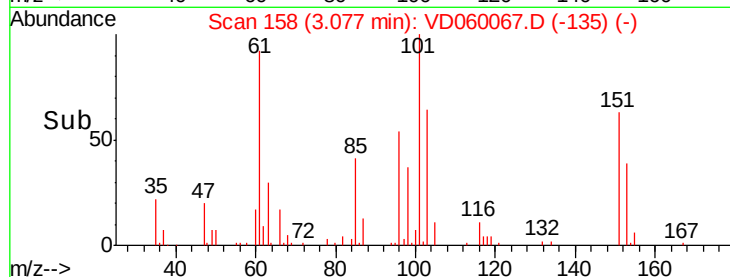
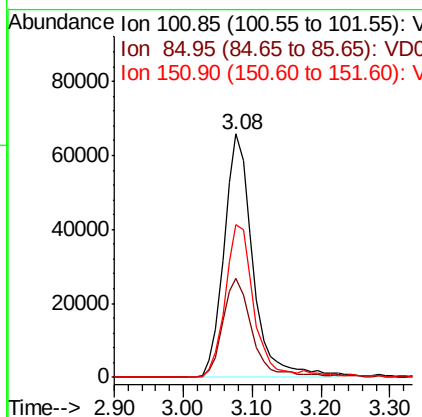
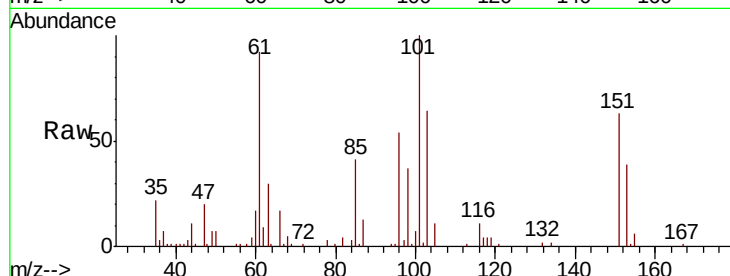
ClientSampleId :

VD0921SBS01

Tot Ion:	101	Resp:	190807
Ion Ratio	Lower	Upper	
101	100		
85	40.8	33.1	49.7
151	62.5	48.2	72.4

Manual Integrations
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#10

Methyl Iodide

Concen: 20.890 ug/l

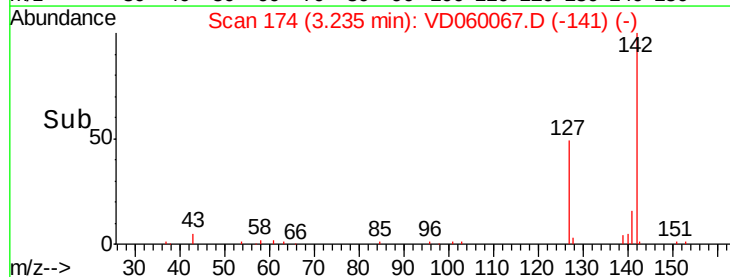
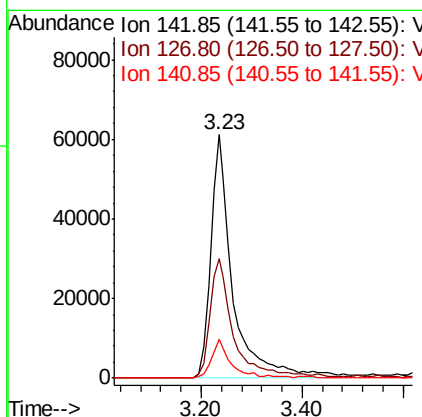
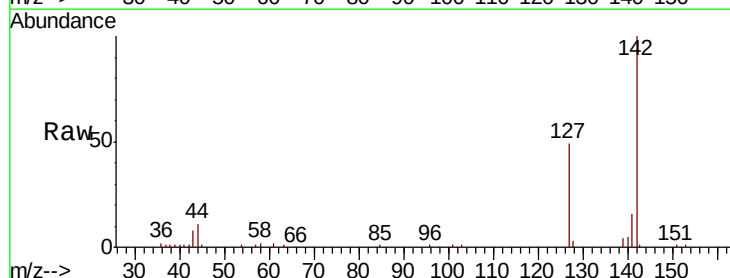
RT: 3.23 min Scan# 174

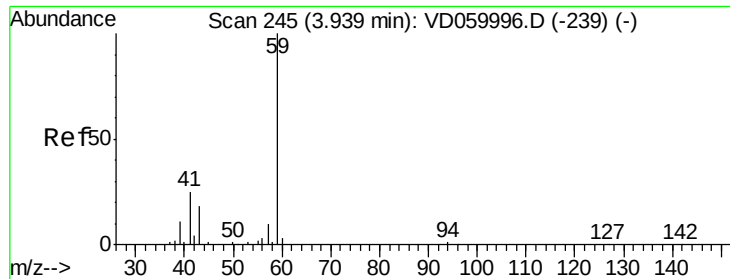
Delta R.T. 0.02 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Tgt Ion:	142	Resp:	187385
Ion Ratio	Lower	Upper	
142	100		
127	49.2	45.8	68.8
141	15.9	12.2	18.4





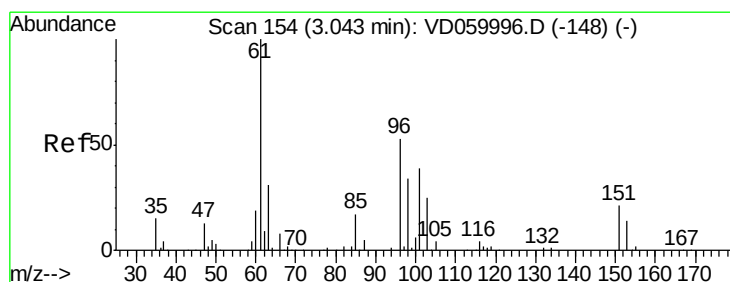
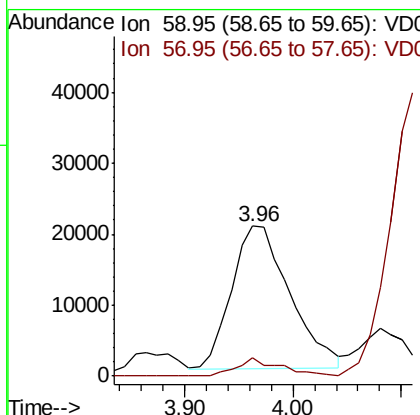
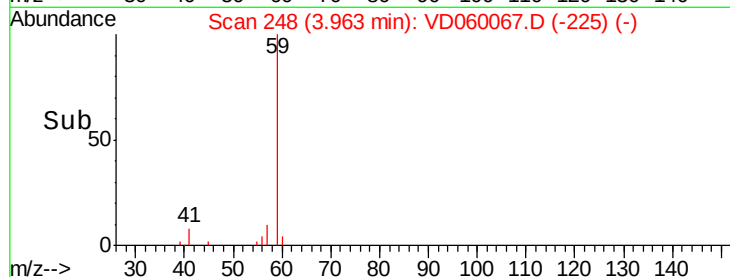
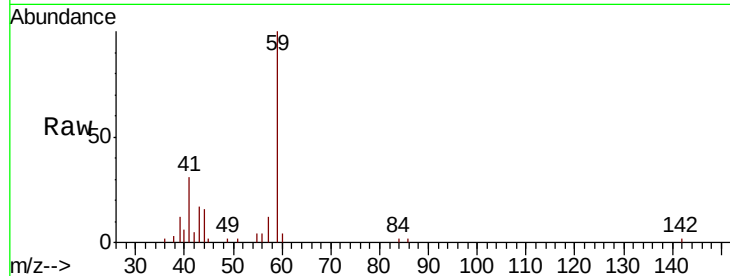
#11
Tert butyl alcohol
Concen: 73.445 ug/l
RT: 3.96 min Scan# 248
Delta R.T. 0.02 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion: 59 Resp: 75217
Ion Ratio Lower Upper
59 100
57 11.9 7.4 11.2#

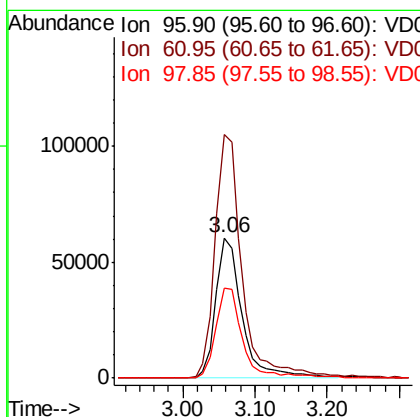
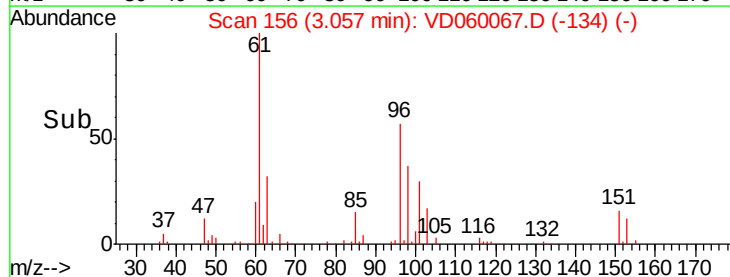
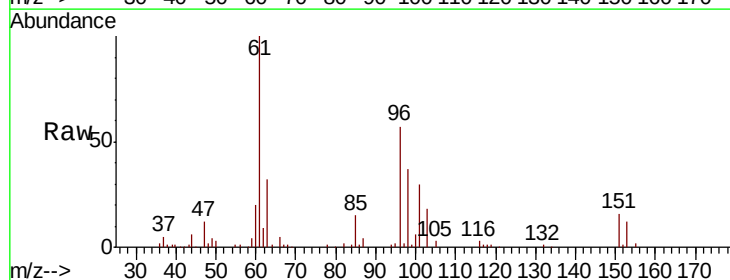
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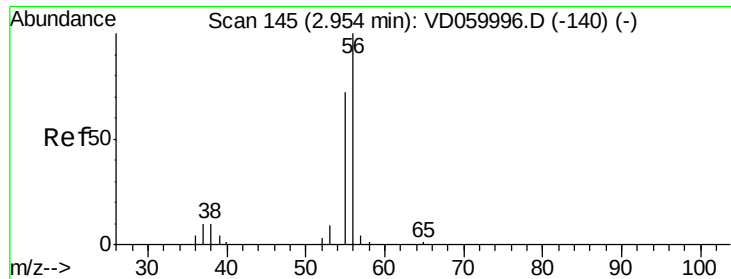
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#12
1,1-Dichloroethene
Concen: 22.822 ug/l
RT: 3.06 min Scan# 156
Delta R.T. 0.01 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion: 96 Resp: 152831
Ion Ratio Lower Upper
96 100
61 173.9 149.8 224.6
98 64.1 50.2 75.4





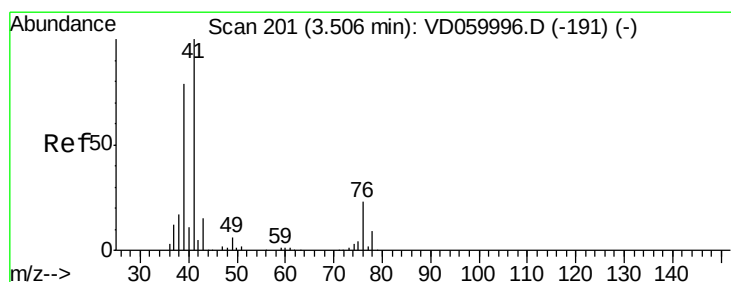
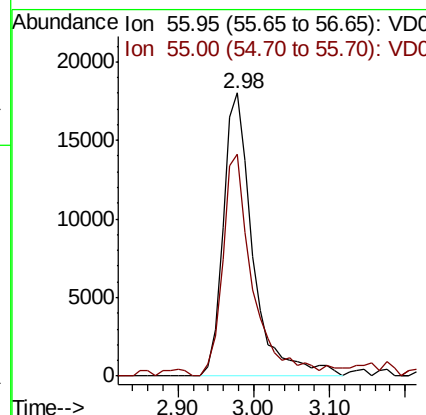
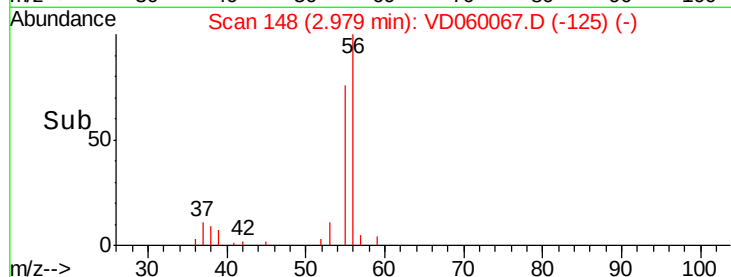
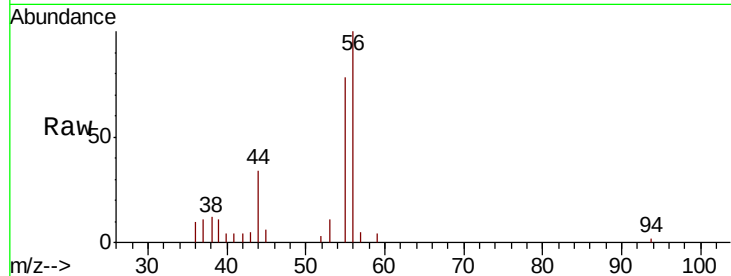
#13
Acrolein
Concen: 77.252 ug/l
RT: 2.98 min Scan# 148
Delta R.T. 0.02 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion: 56 Resp: 48994
Ion Ratio Lower Upper
56 100
55 78.3 58.3 87.5

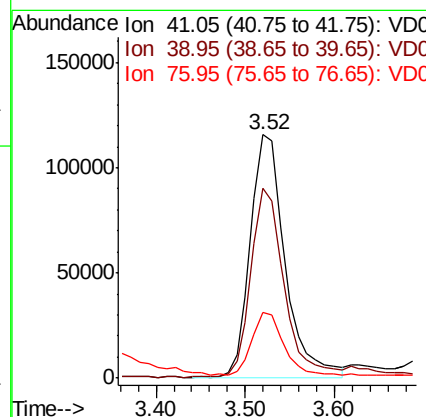
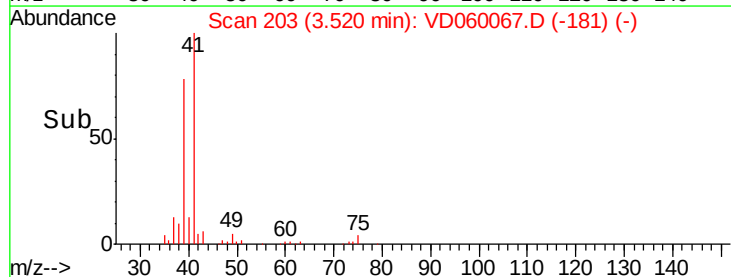
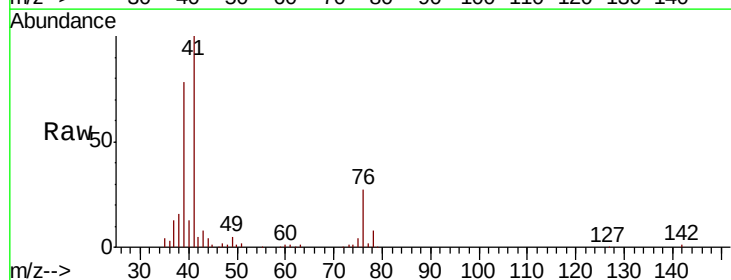
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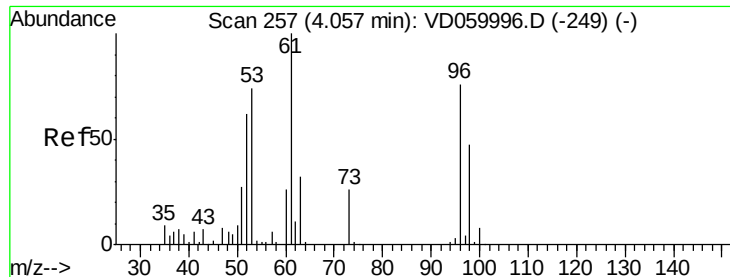
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#14
Allyl chloride
Concen: 21.972 ug/l
RT: 3.52 min Scan# 203
Delta R.T. 0.01 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion: 41 Resp: 310307
Ion Ratio Lower Upper
41 100
39 78.2 63.6 95.4
76 26.7 21.1 31.7





#15

Acrylonitrile

Concen: 93.507 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Instrument :

MSVOA_D

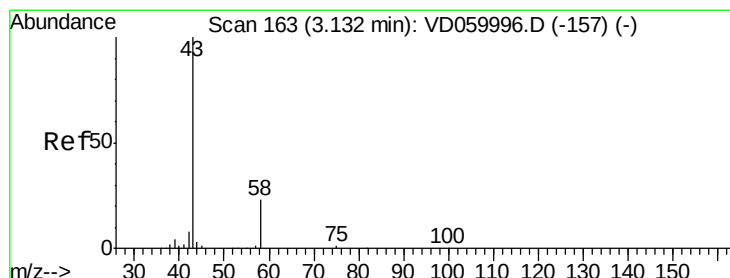
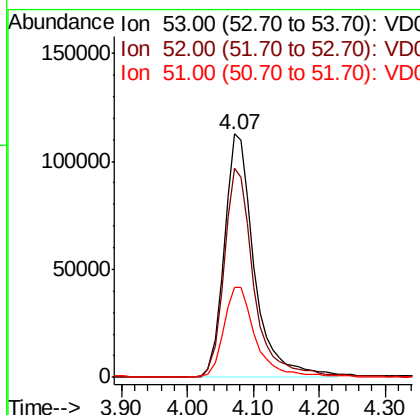
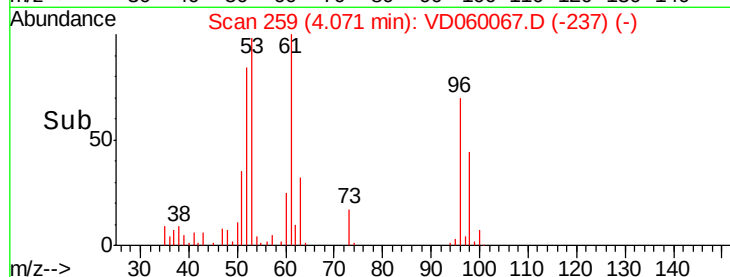
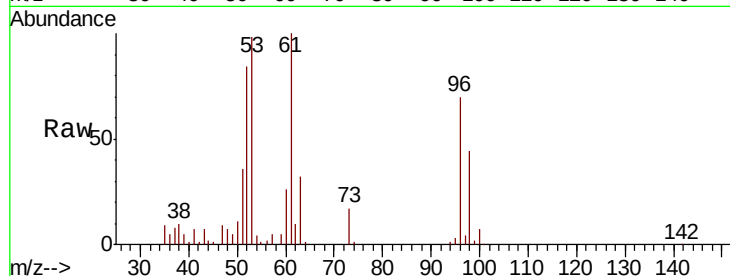
ClientSampleId :

VD0921SBS01

Tot Ion:	53	Resp:	361481
Ion Ratio	Lower	Upper	
53	100		
52	85.9	66.7	100.1
51	36.9	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 115.966 ug/l

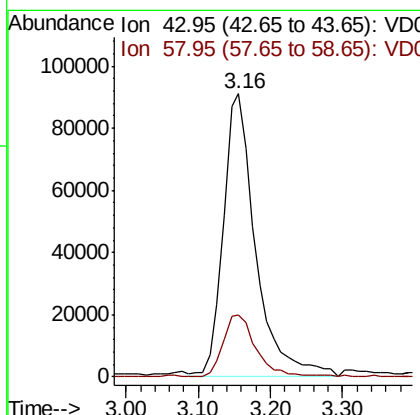
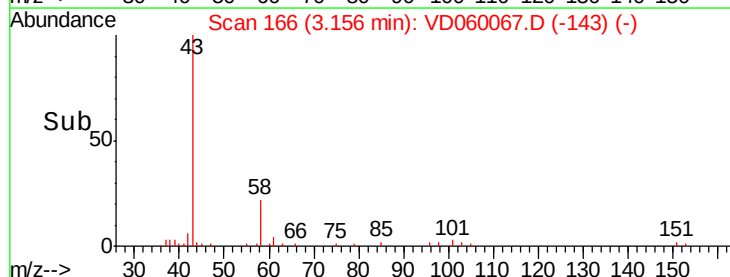
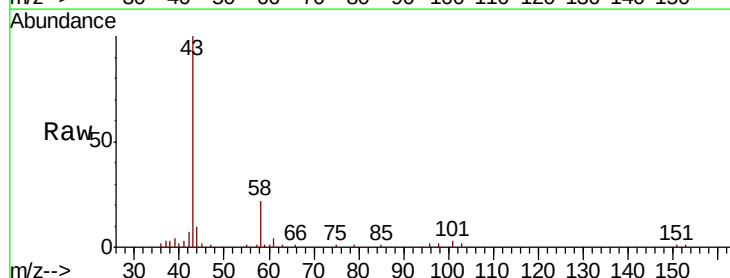
RT: 3.16 min Scan# 166

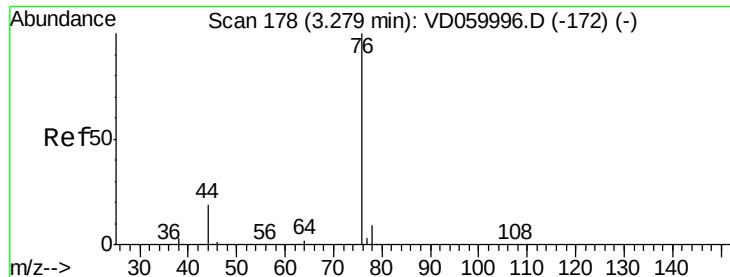
Delta R.T. 0.02 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Tgt Ion:	43	Resp:	284170
Ion Ratio	Lower	Upper	
43	100		
58	22.1	18.1	27.1





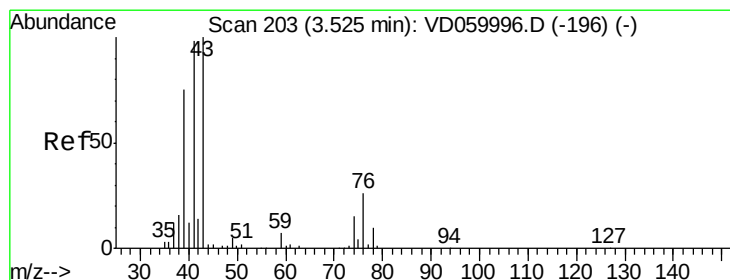
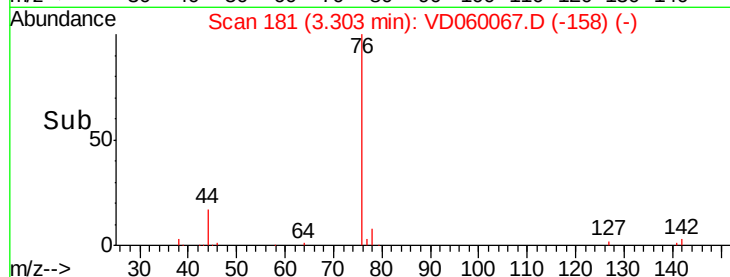
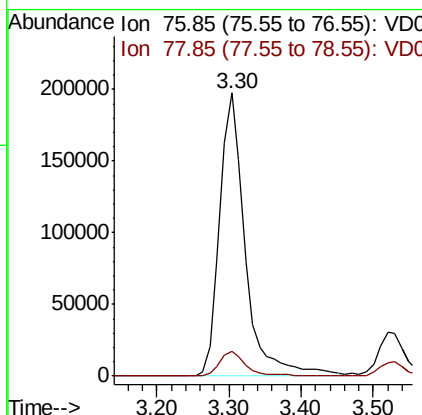
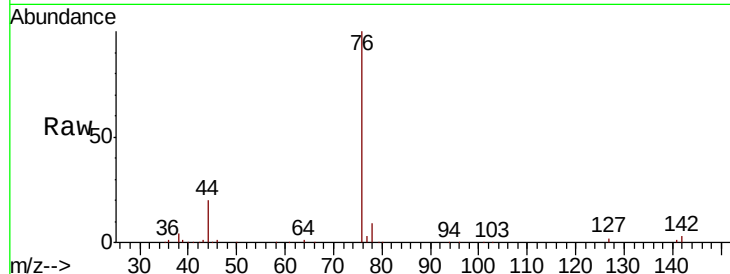
#17
Carbon Disulfide
Concen: 21.095 ug/l
RT: 3.30 min Scan# 181
Delta R.T. 0.02 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.4

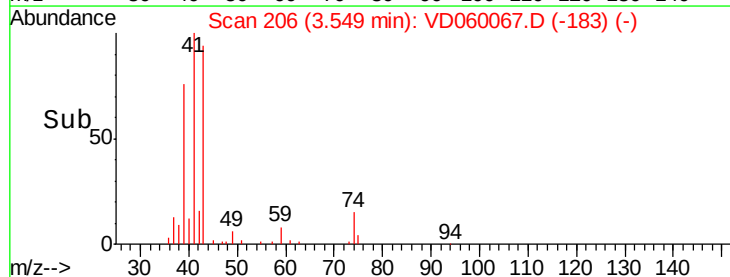
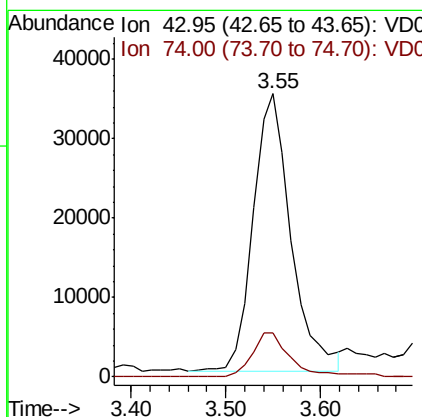
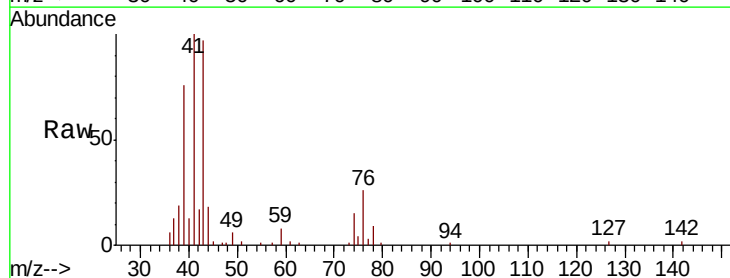
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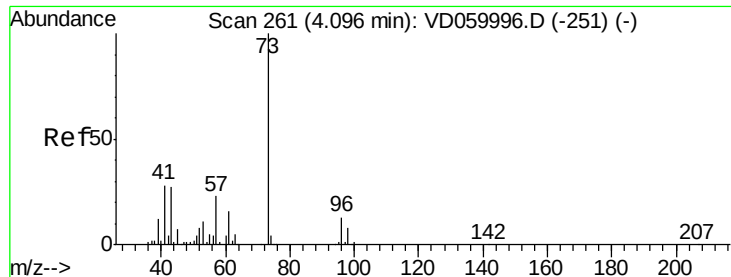
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#18
Methyl Acetate
Concen: 19.530 ug/l
RT: 3.55 min Scan# 206
Delta R.T. 0.02 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.4	11.8	17.8





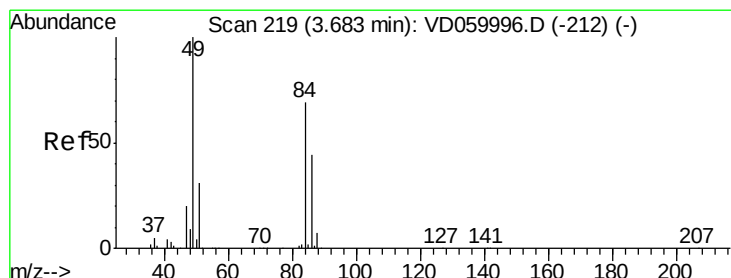
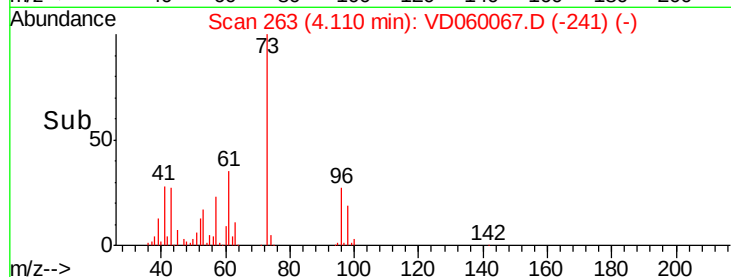
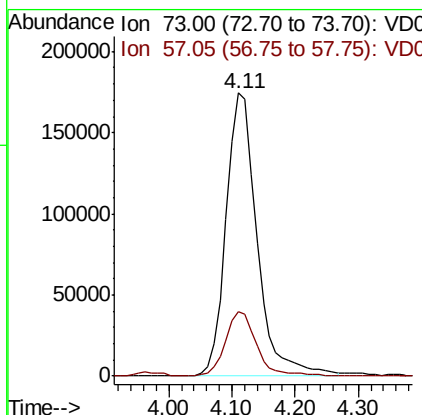
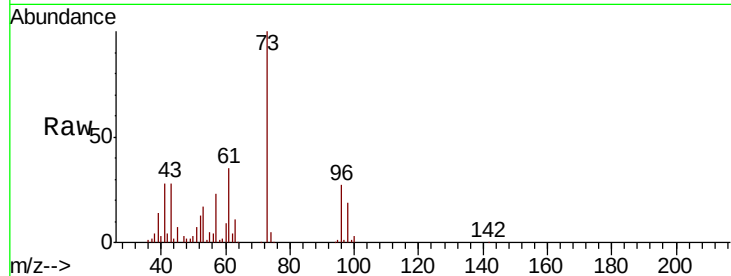
#19
Methyl tert-butyl Ether
Concen: 19.272 ug/l
RT: 4.11 min Scan# 263
Delta R.T. 0.01 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.4	27.6

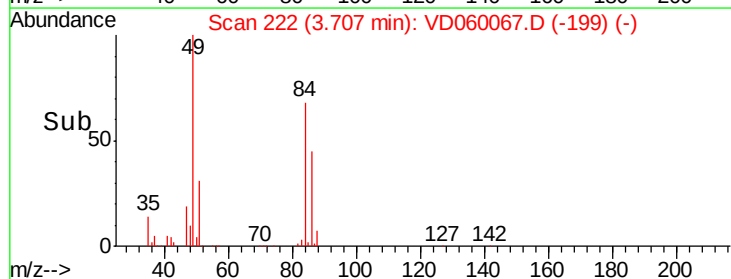
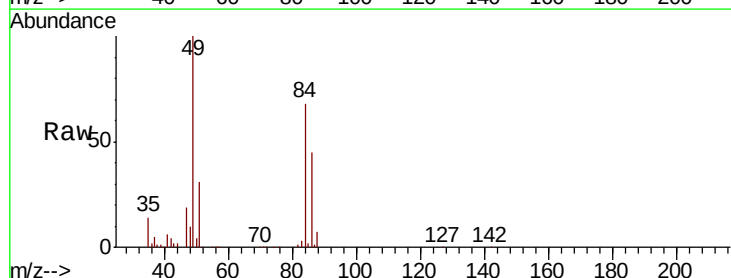
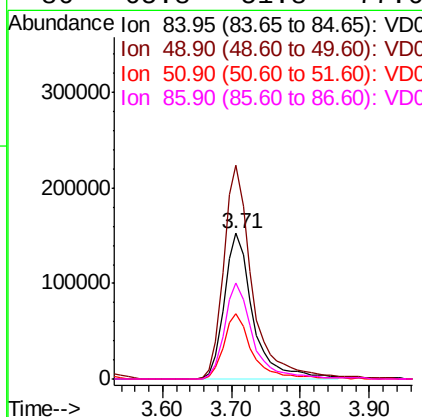
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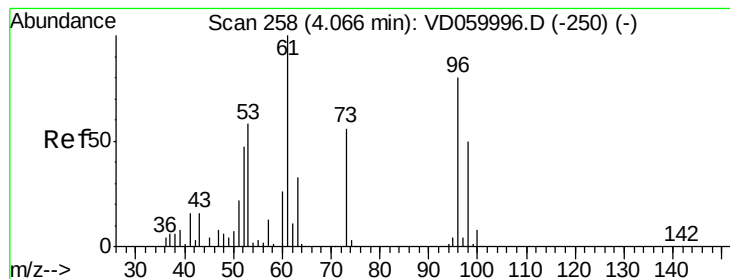
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#20
Methylene Chloride
Concen: 21.047 ug/l
RT: 3.71 min Scan# 222
Delta R.T. 0.02 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.0	116.6	175.0
51	45.0	35.9	53.9
86	65.8	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 19.991 ug/l

RT: 4.09 min Scan# 261

Delta R.T. 0.02 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Instrument :

MSVOA_D

ClientSampleID :

VD0921SBS01

Tot Ion: 96 Resp: 351305

Ion Ratio Lower Upper

96 100

61 125.4 100.1 150.1

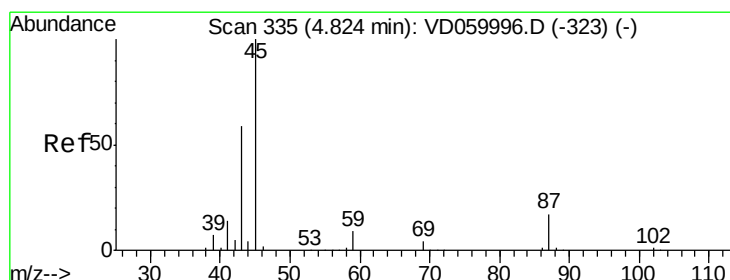
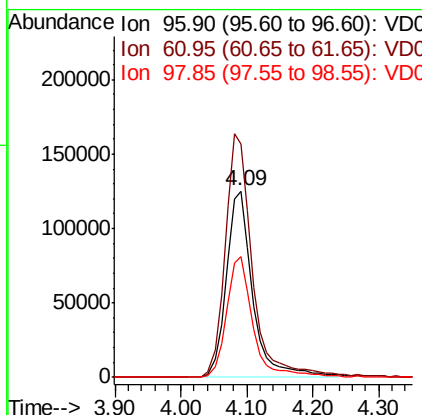
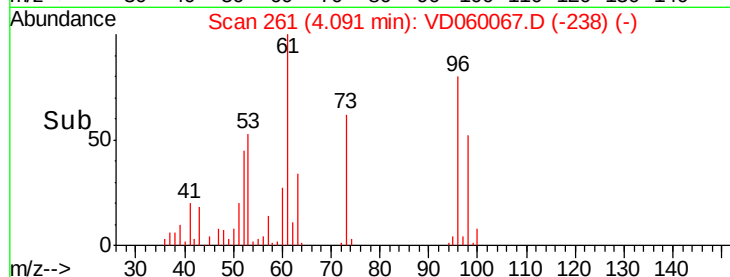
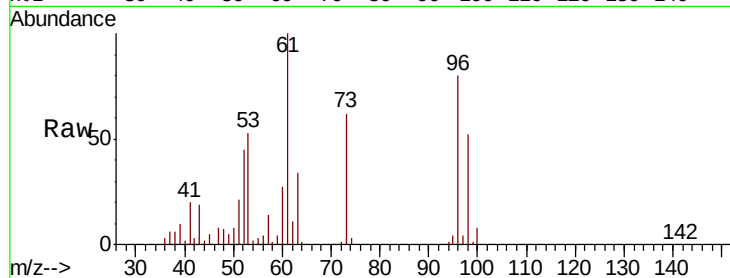
98 64.8 49.5 74.3

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#22

Diisopropyl ether

Concen: 20.197 ug/l

RT: 4.85 min Scan# 338

Delta R.T. 0.02 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Tgt Ion: 45 Resp: 1301080

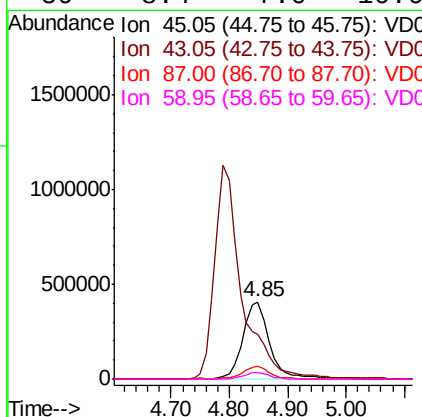
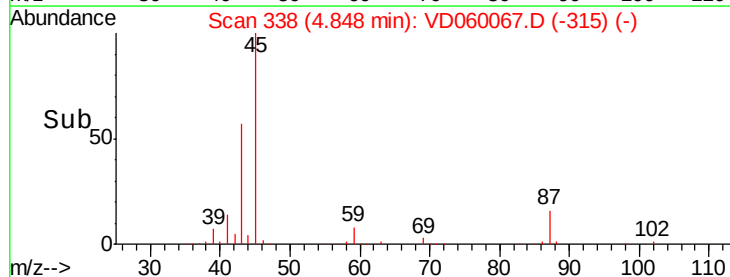
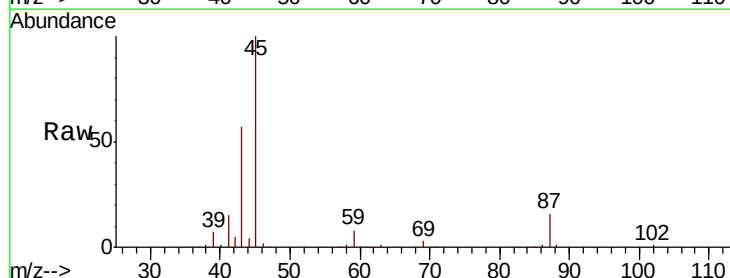
Ion Ratio Lower Upper

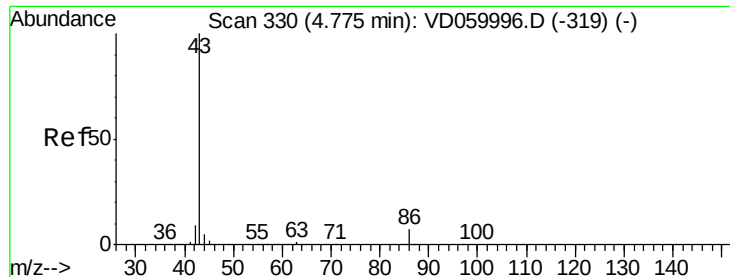
45 100

43 57.3 47.1 70.7

87 16.2 14.2 21.2

59 8.4 7.0 10.6





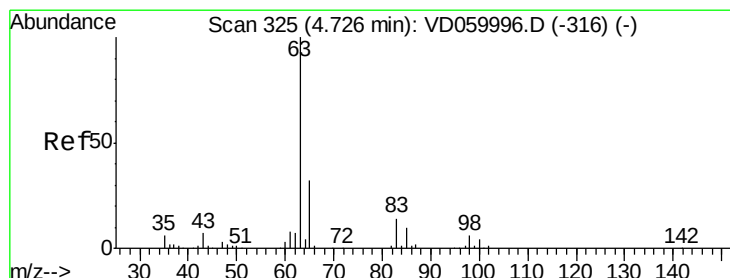
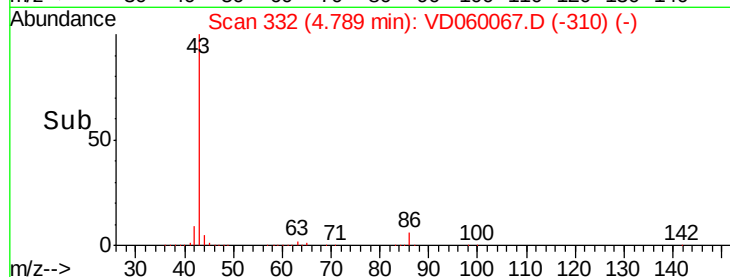
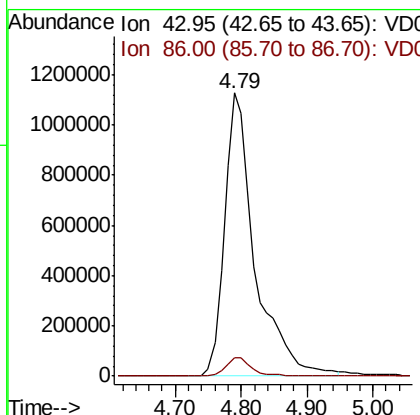
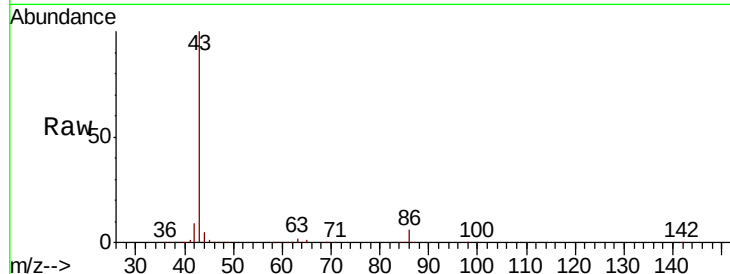
#23
 Vinyl Acetate
 Concen: 99.468 ug/l
 RT: 4.79 min Scan# 332
 Delta R.T. 0.01 min
 Lab File: VD060067.D
 Acq: 21 Sep 2018 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion: 43 Resp: 3630183
 Ion Ratio Lower Upper
 43 100
 86 6.5 5.5 8.3

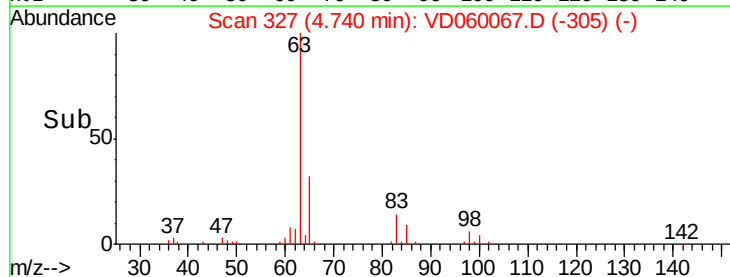
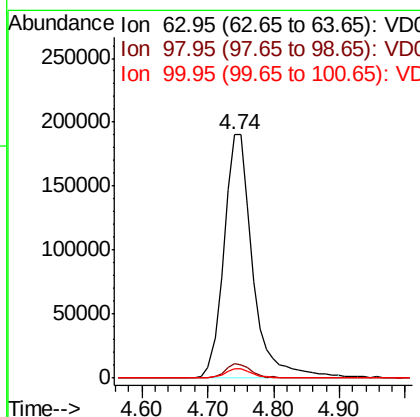
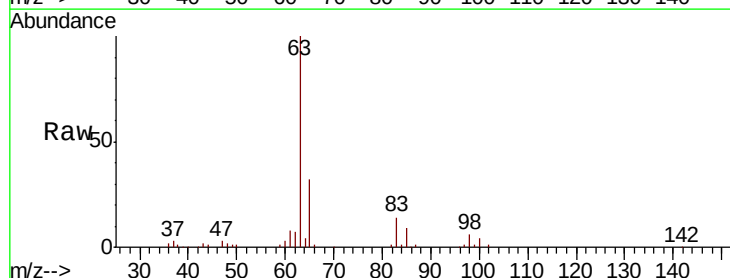
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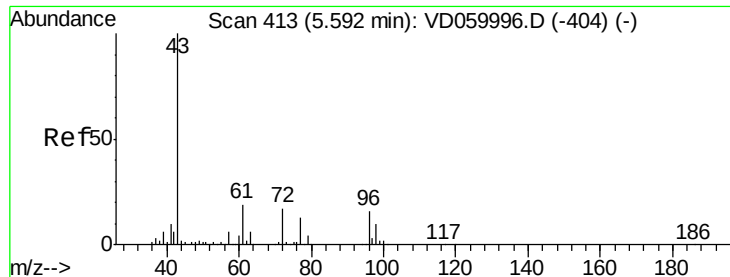
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#24
 1,1-Dichloroethane
 Concen: 20.185 ug/l
 RT: 4.74 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VD060067.D
 Acq: 21 Sep 2018 13:14

Tgt Ion: 63 Resp: 583533
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.6
 100 3.6 1.8 5.4





#25

2-Butanone

Concen: 106.599 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.02 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 43 Resp: 704890

Ion Ratio Lower Upper

43 100

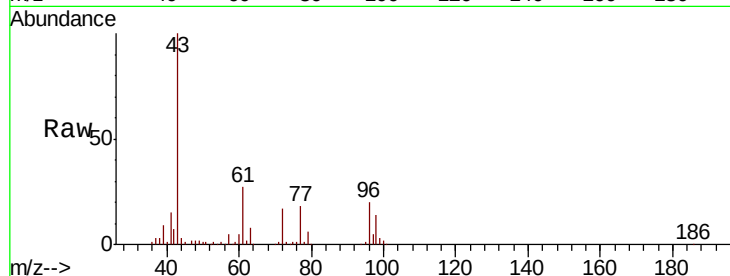
72 17.3 13.6 20.4

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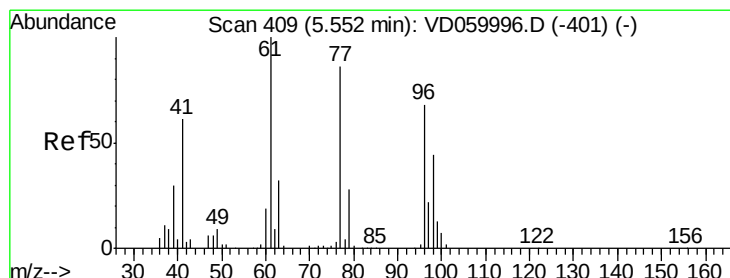
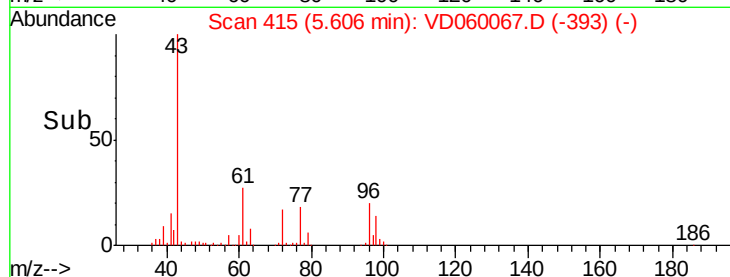
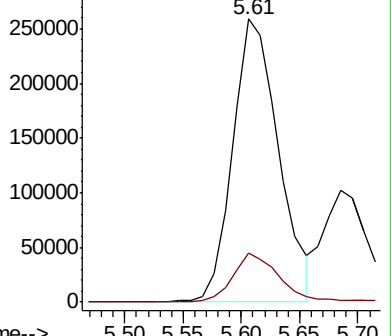
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.899 ug/l

RT: 5.58 min Scan# 412

Delta R.T. 0.02 min

Lab File: VD060067.D

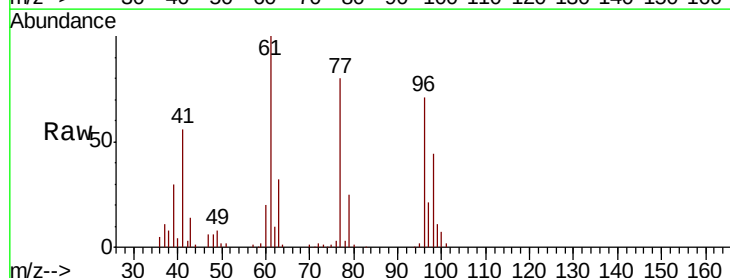
Acq: 21 Sep 2018 13:14

Tgt Ion: 77 Resp: 469726

Ion Ratio Lower Upper

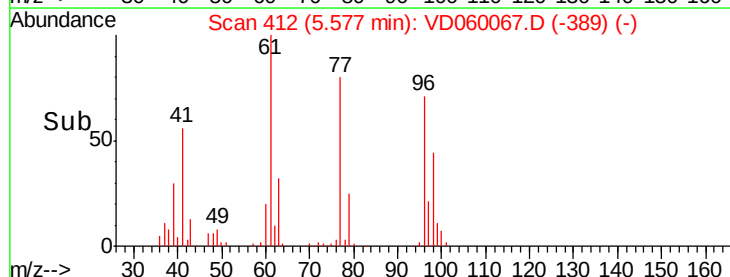
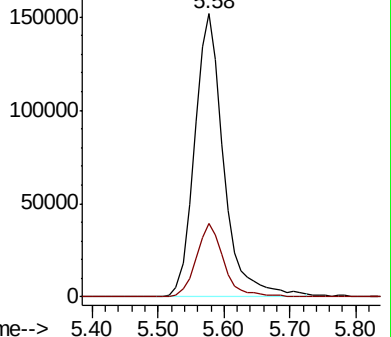
77 100

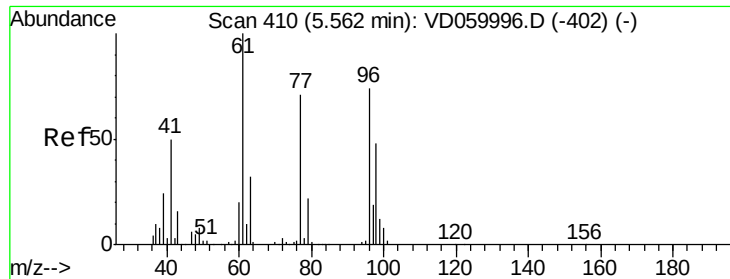
97 25.9 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

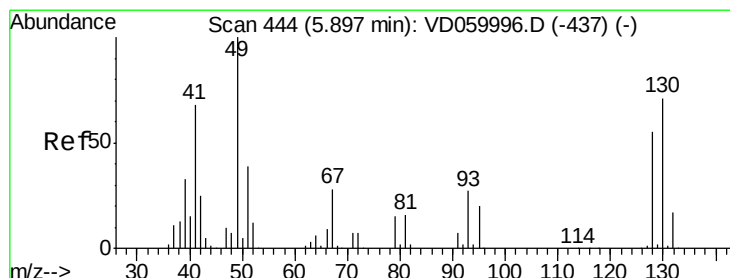
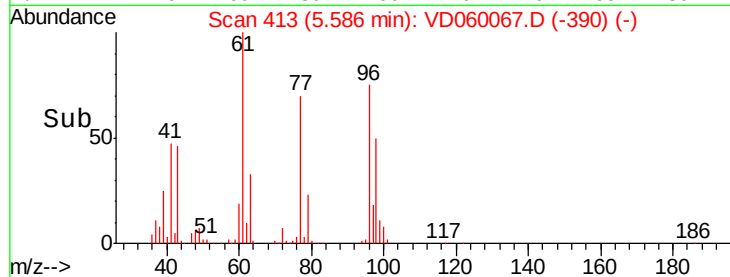
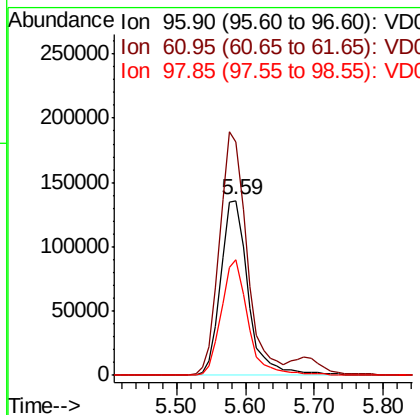
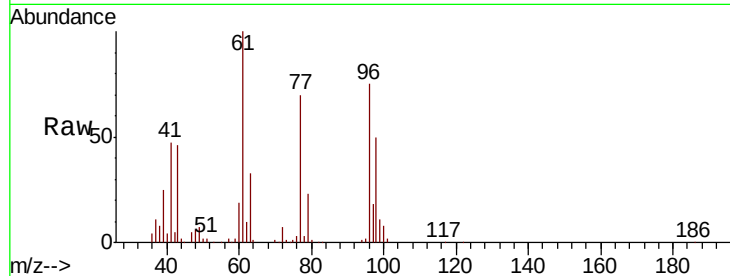
cis-1,2-Dichloroethene
Concen: 20.549 ug/l
RT: 5.59 min Scan# 413
Delta R.T. 0.02 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	377733		
61	133.5	0.0	269.6	
98	66.2	0.0	128.4	

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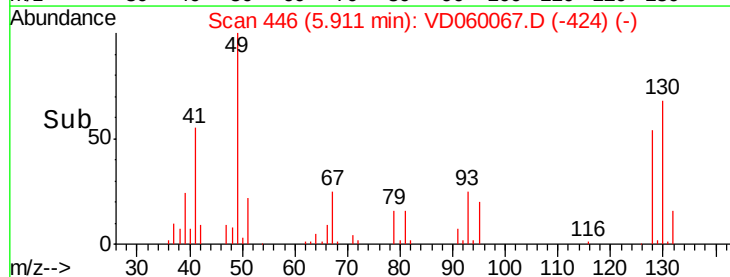
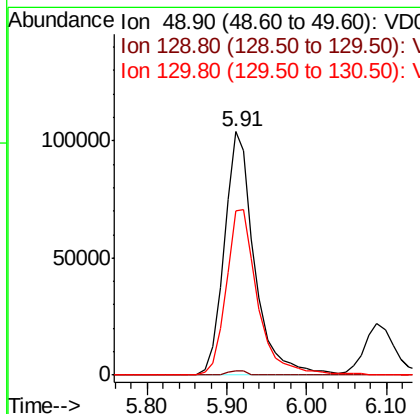
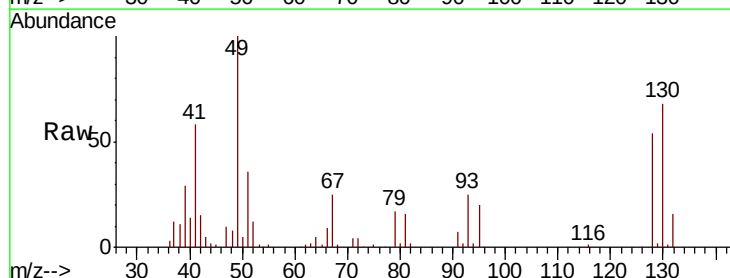
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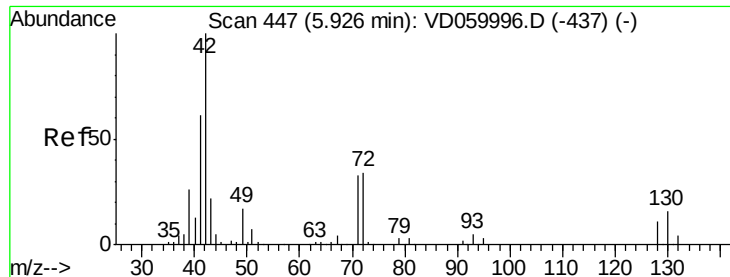


#28

Bromochloromethane
Concen: 19.762 ug/l
RT: 5.91 min Scan# 446
Delta R.T. 0.01 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	274614		
129	1.8	0.0	3.6	
130	67.7	57.1	85.7	





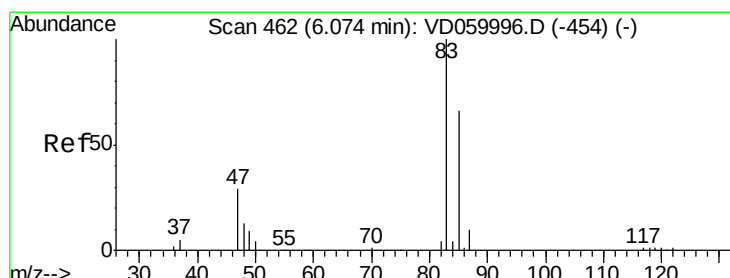
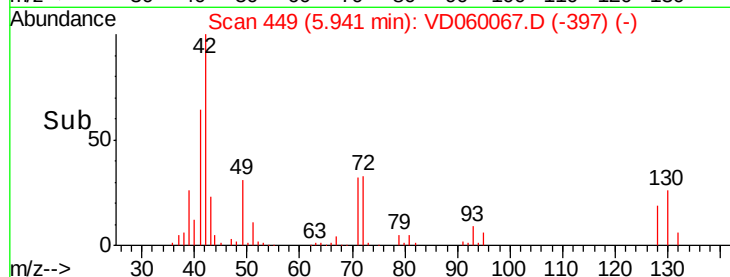
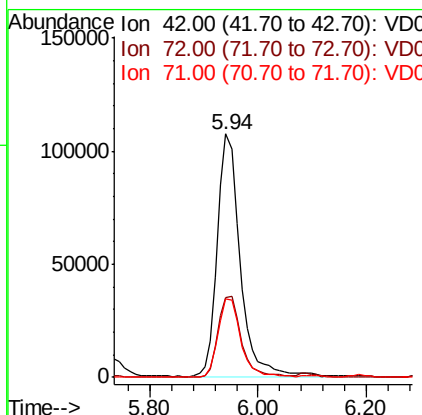
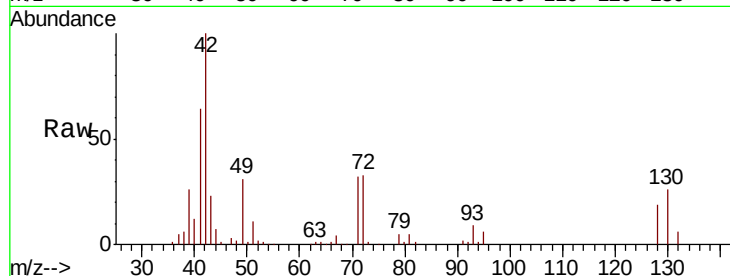
#29
Tetrahydrofuran
Concen: 88.548 ug/l
RT: 5.94 min Scan# 449
Delta R.T. 0.01 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.7	26.9	40.3
71	32.3	26.2	39.4

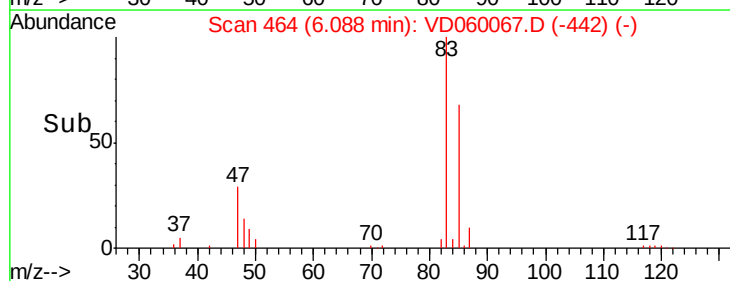
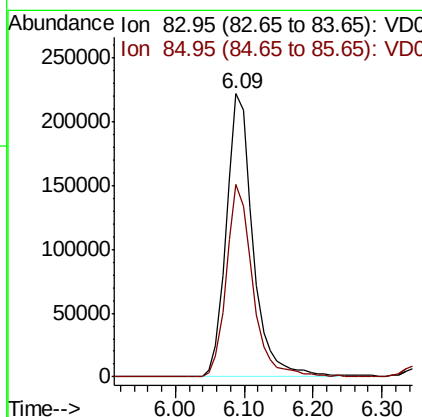
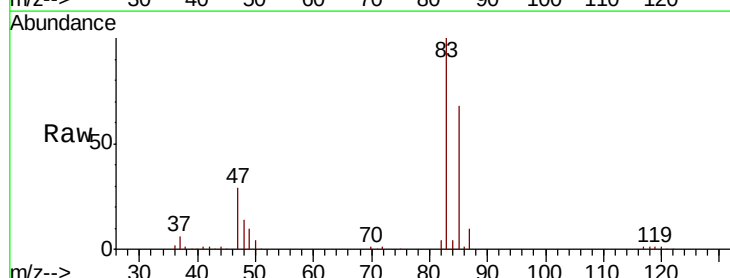
Manual Integrations
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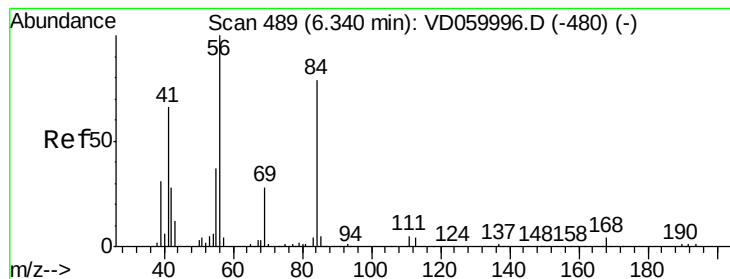
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#30
Chloroform
Concen: 20.304 ug/l
RT: 6.09 min Scan# 464
Delta R.T. 0.01 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.9	52.6	78.8





#31

Cyclohexane

Concen: 19.376 ug/l

RT: 6.35 min Scan# 491

Delta R.T. 0.01 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

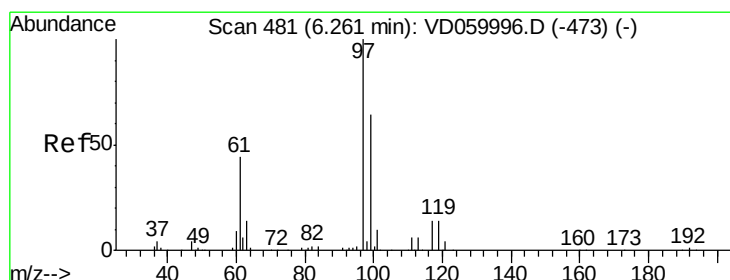
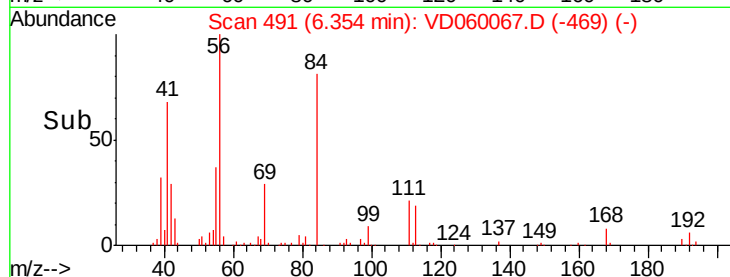
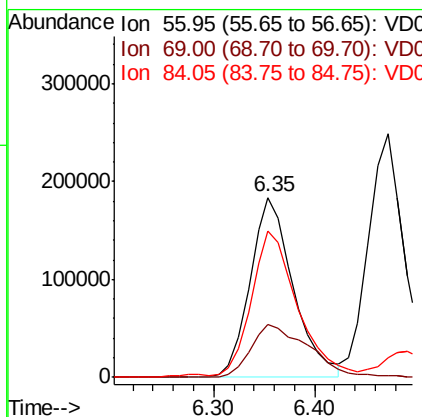
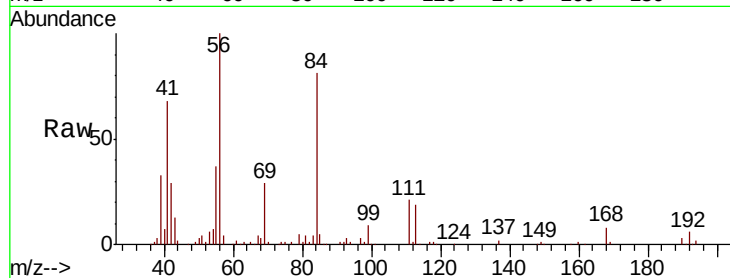
VD0921SBSD01

Tot Ion:	56	Resp:	546166
Ion Ratio		Lower	Upper
56	100		
69	29.0	22.7	34.1
84	81.2	64.0	96.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.946 ug/l

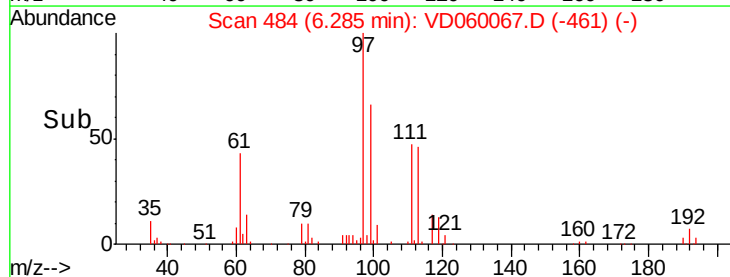
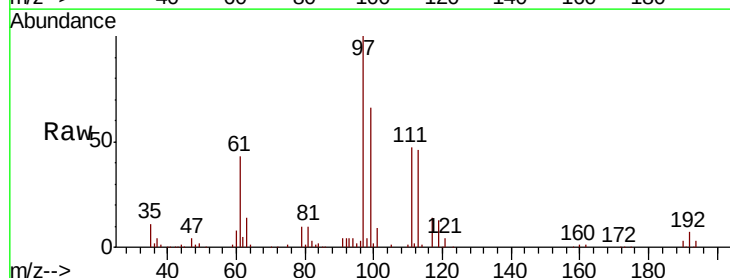
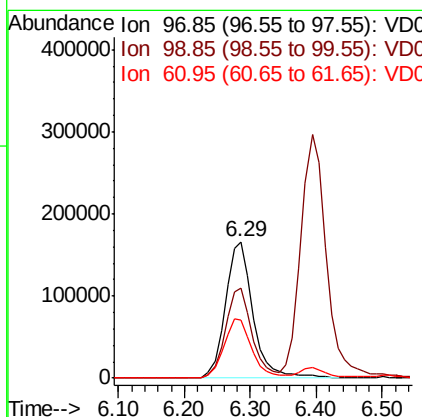
RT: 6.29 min Scan# 484

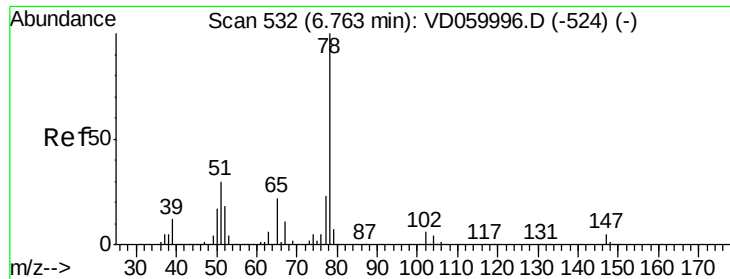
Delta R.T. 0.02 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Tgt Ion:	97	Resp:	484997
Ion Ratio		Lower	Upper
97	100		
99	65.9	51.3	76.9
61	42.9	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 19.946 ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 65 Resp: 680069

Ion Ratio Lower Upper

65 100

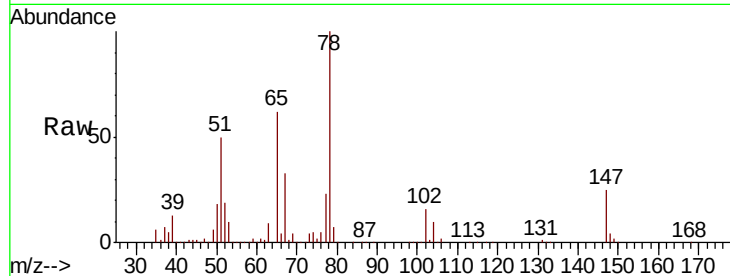
67 52.4 0.0 104.8

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

300000

250000

200000

150000

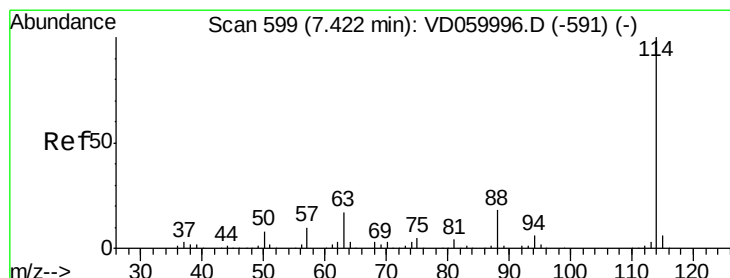
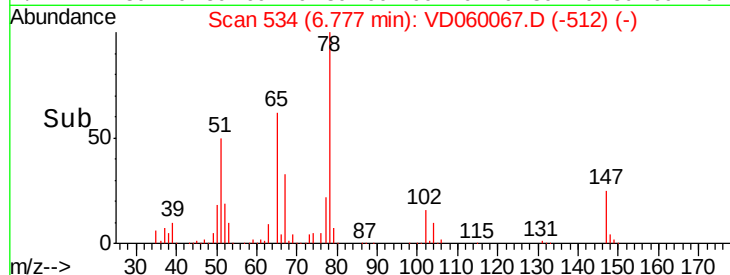
100000

50000

0

6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. 0.01 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

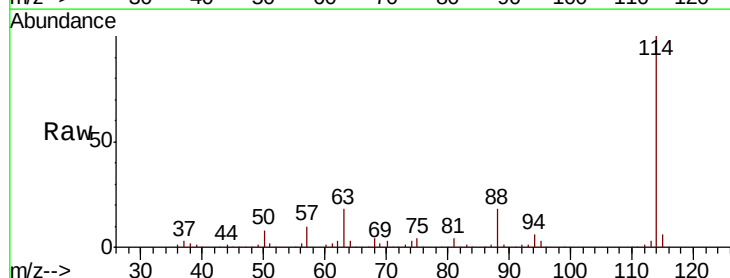
Tgt Ion: 114 Resp: 2228354

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.4

88 18.3 0.0 35.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

600000

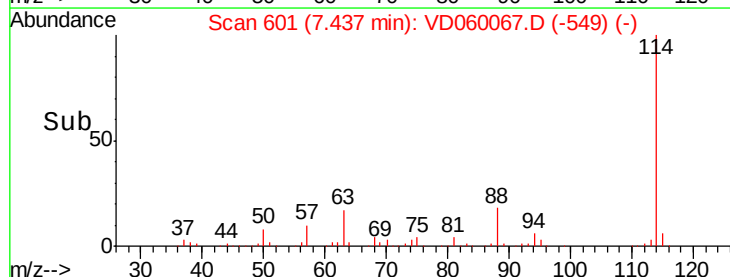
400000

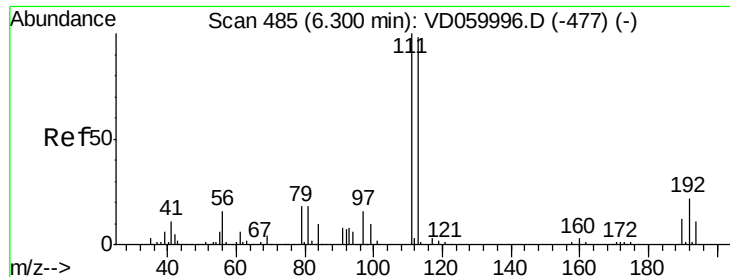
200000

0

7.20 7.40 7.60 7.80

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 487

Delta R.T. 0.01 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Instrument :

MSVOA_D

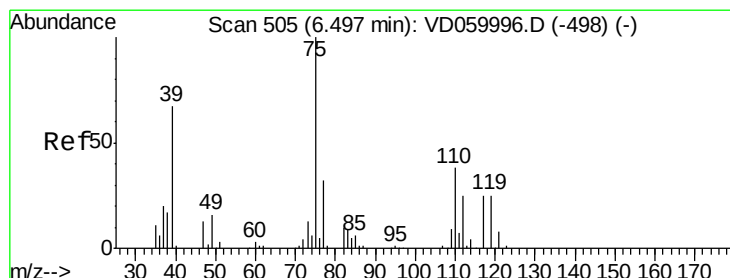
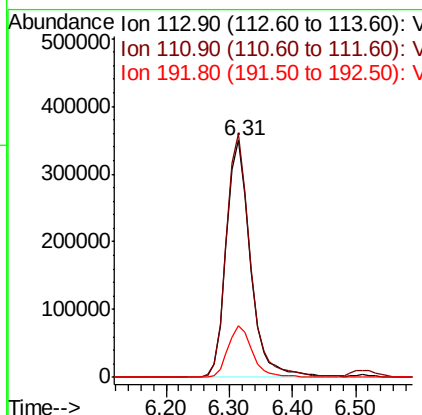
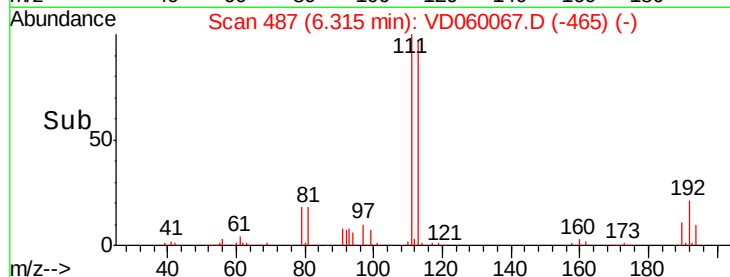
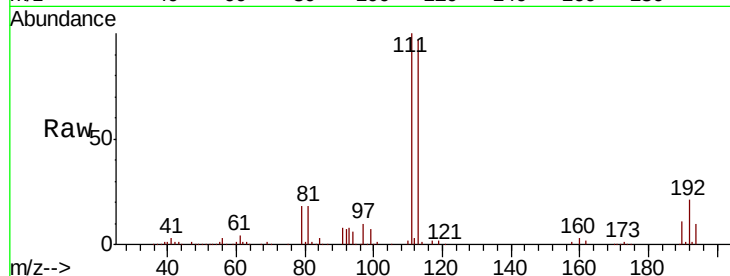
ClientSampleId :

VD0921SBS01

Tot Ion:	113	Resp:	928631
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.3	121.9
192	21.7	18.1	27.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.701 ug/l

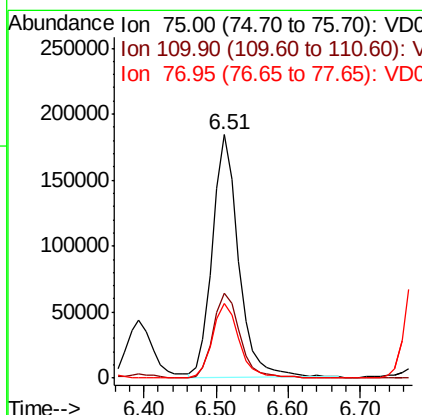
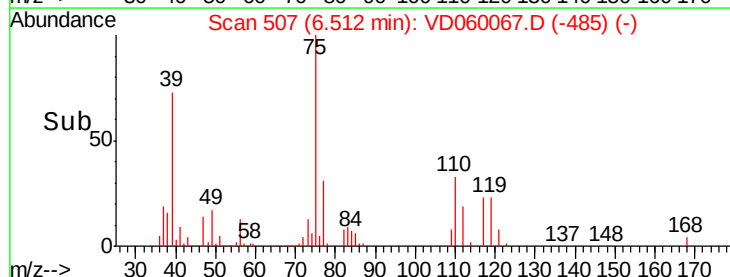
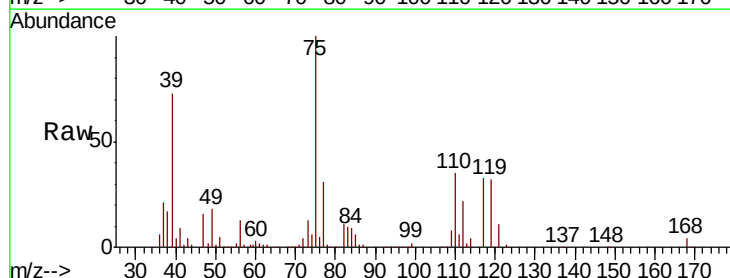
RT: 6.51 min Scan# 507

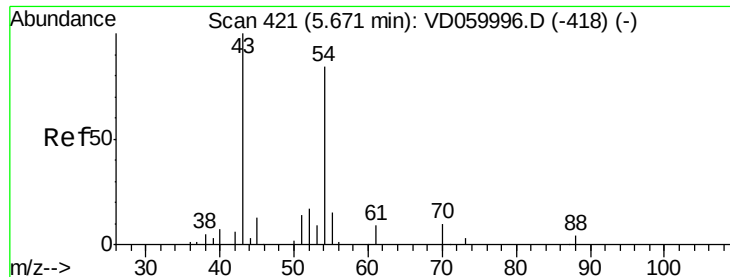
Delta R.T. 0.01 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Tgt Ion:	75	Resp:	458229
Ion Ratio	Lower	Upper	
75	100		
110	34.6	18.9	56.9
77	30.9	25.3	37.9





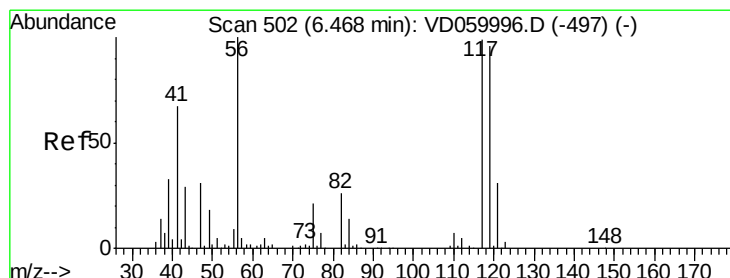
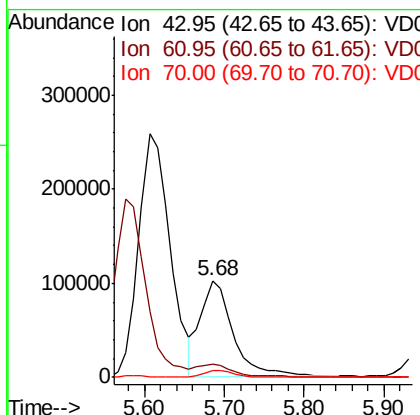
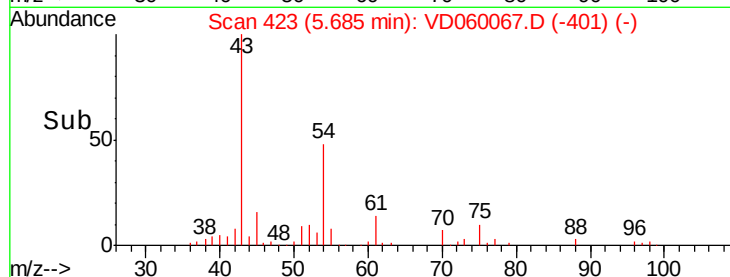
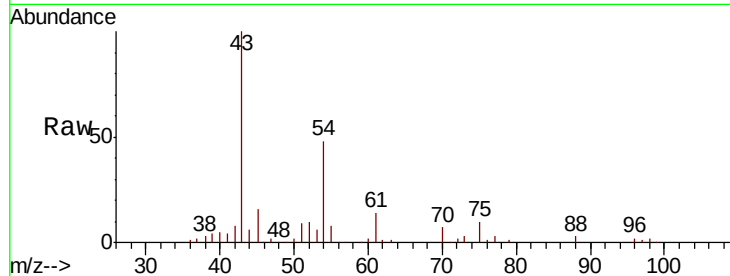
#37
Ethyl Acetate
Concen: 19.065 ug/l
RT: 5.68 min Scan# 423
Delta R.T. 0.01 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.2	15.2
70	7.2	6.1	9.1

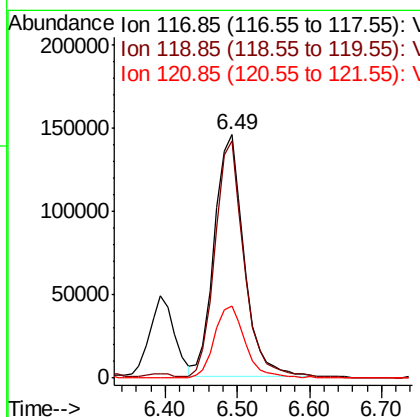
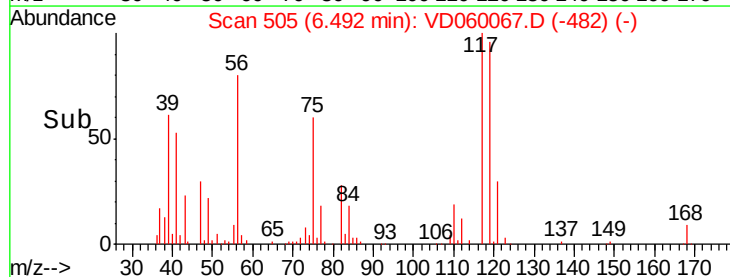
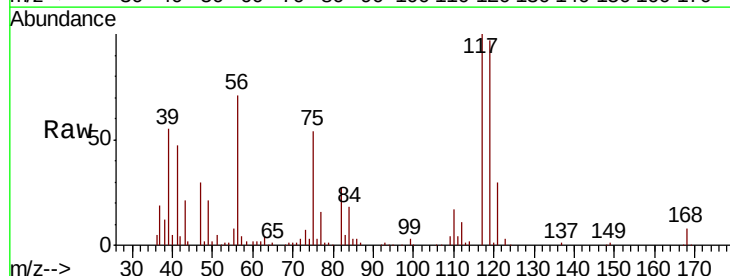
Manual Integrations
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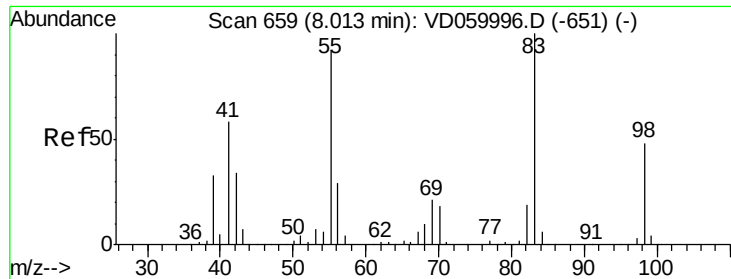
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#38
Carbon Tetrachloride
Concen: 20.067 ug/l
RT: 6.49 min Scan# 505
Delta R.T. 0.02 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.7	115.1
121	29.6	24.9	37.3





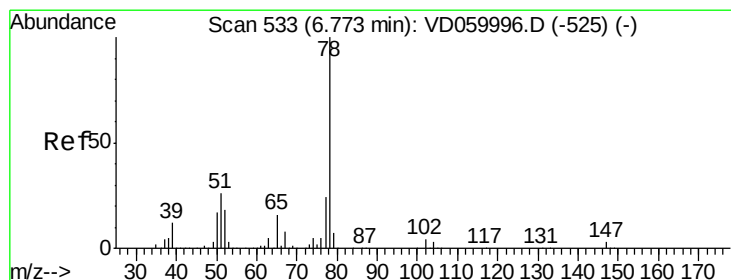
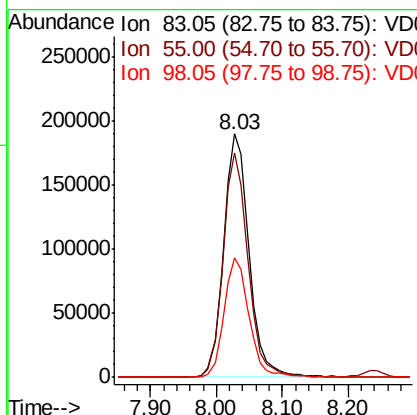
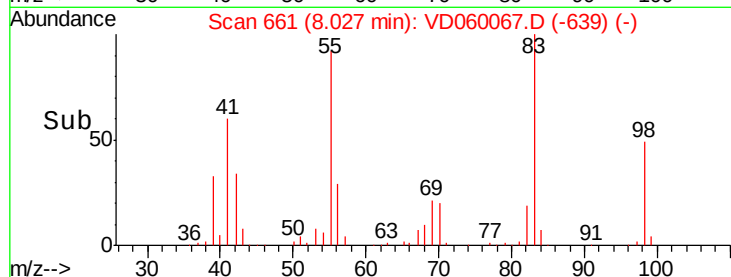
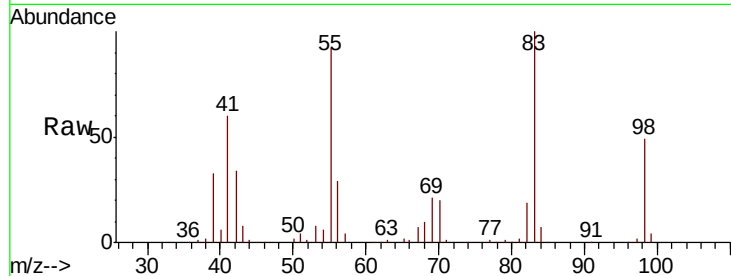
#39
Methylvlcyclohexane
Concen: 20.442 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.01 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.2	73.8	110.6
98	48.9	38.1	57.1

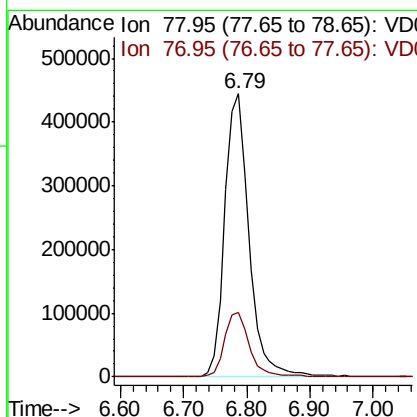
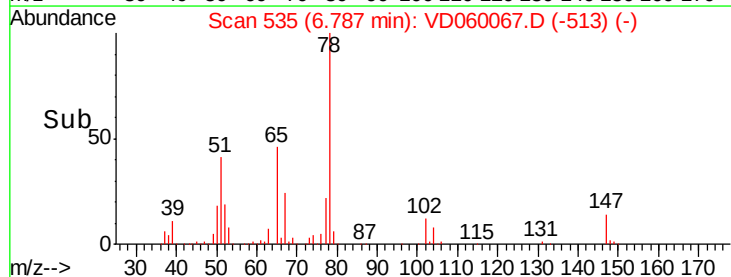
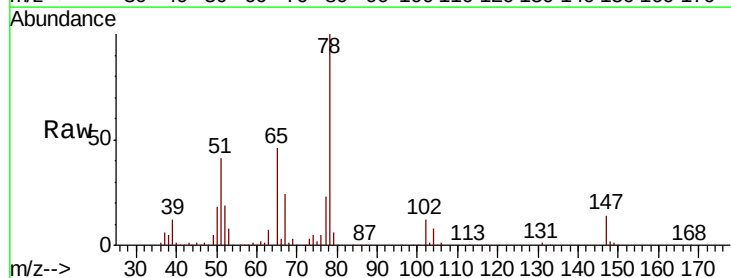
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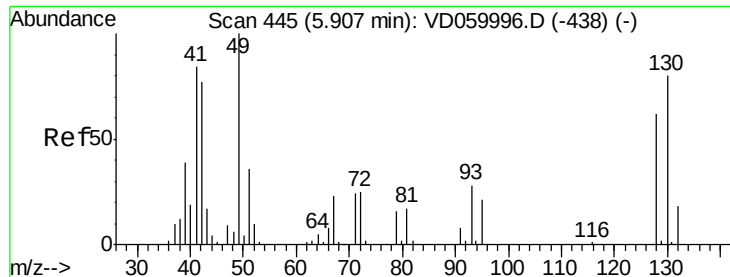
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#40
Benzene
Concen: 21.068 ug/l
RT: 6.79 min Scan# 535
Delta R.T. 0.01 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4





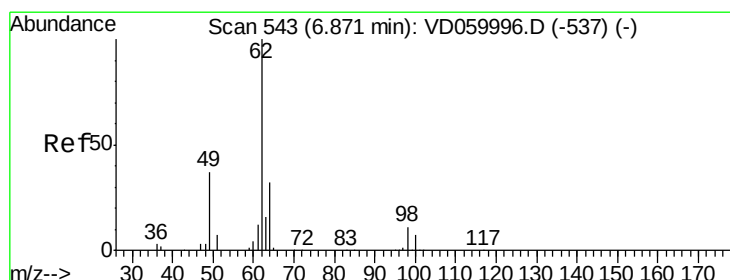
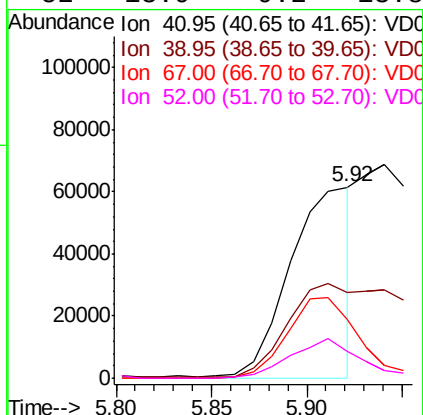
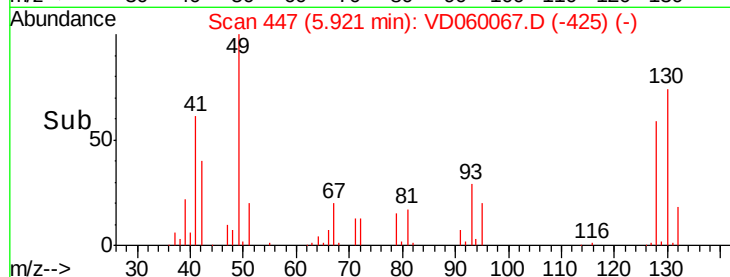
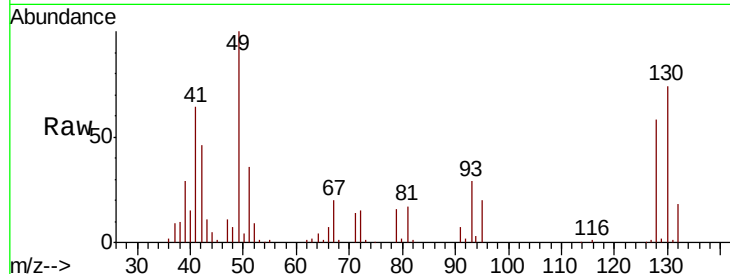
#41
Methacrylonitrile
Concen: 17.653 ug/l m
RT: 5.92 min Scan# 447
Delta R.T. 0.01 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		140742		
39	44.7	37.5	56.3		
67	31.1	21.5	32.3		
52	13.9	9.2	13.8		

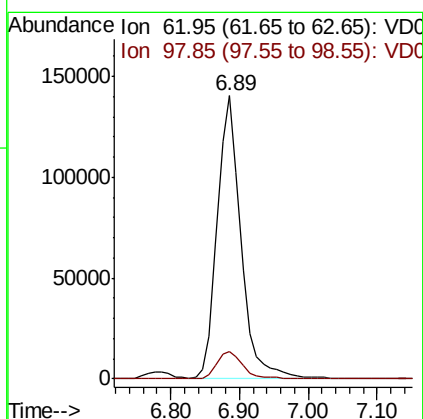
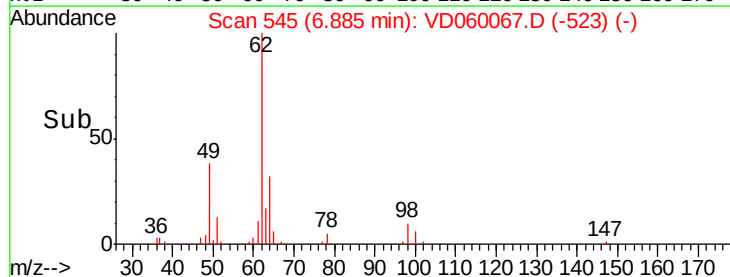
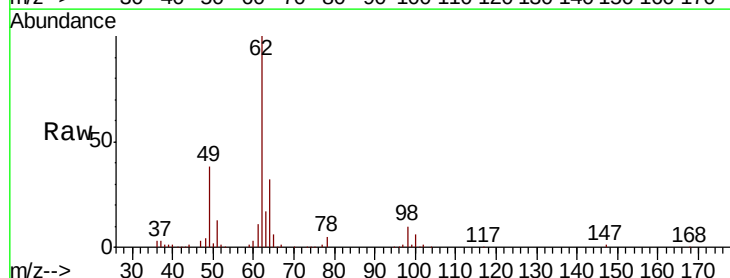
Manual Integrations
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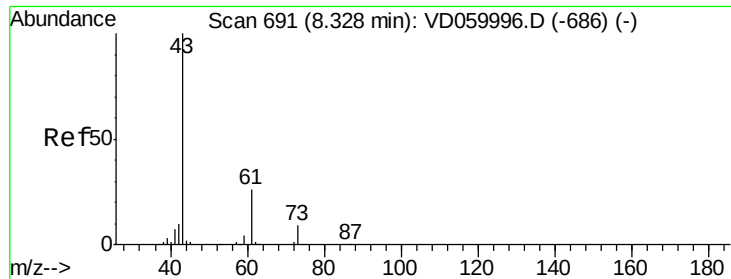
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#42
1,2-Dichloroethane
Concen: 19.858 ug/l
RT: 6.89 min Scan# 545
Delta R.T. 0.01 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		336401		
98	9.8	0.0	21.4		





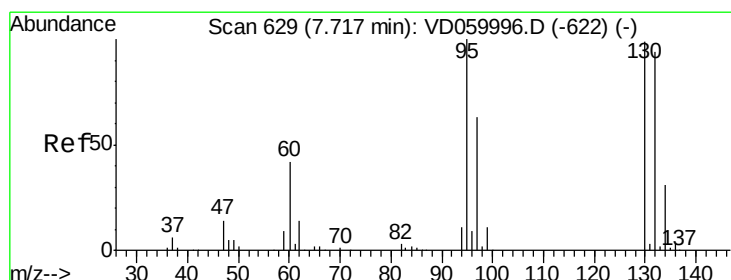
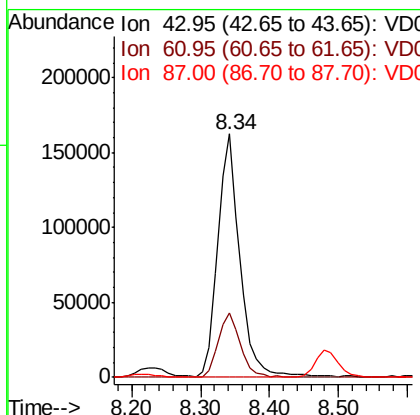
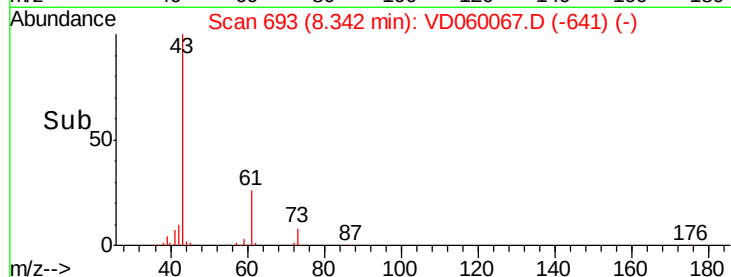
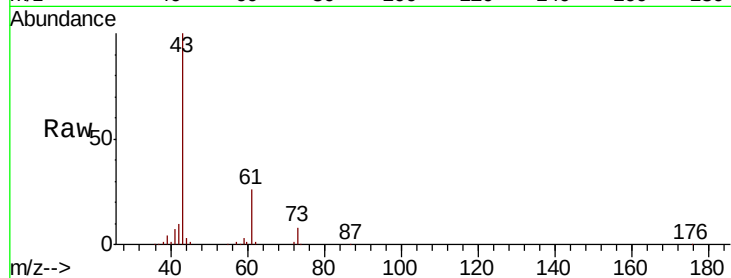
#43
Isopropyl Acetate
Concen: 17.543 ug/l
RT: 8.34 min Scan# 693
Delta R.T. 0.01 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.3	21.0	31.6
87	0.4	0.2	0.2#

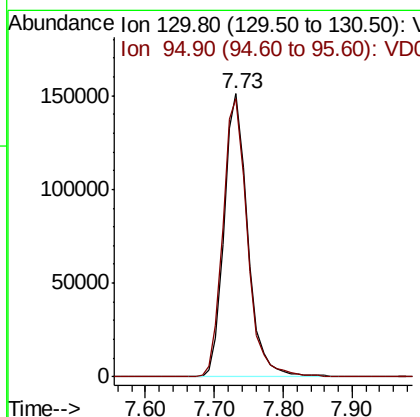
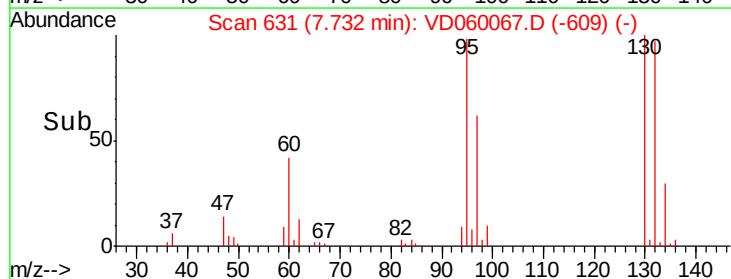
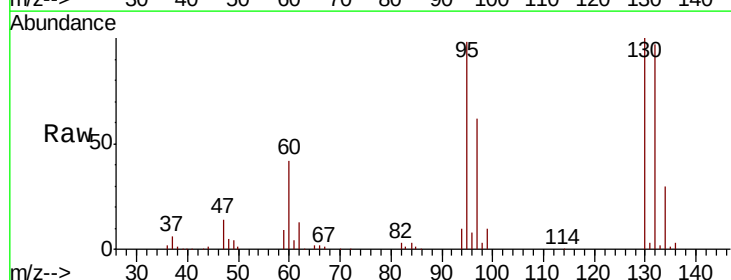
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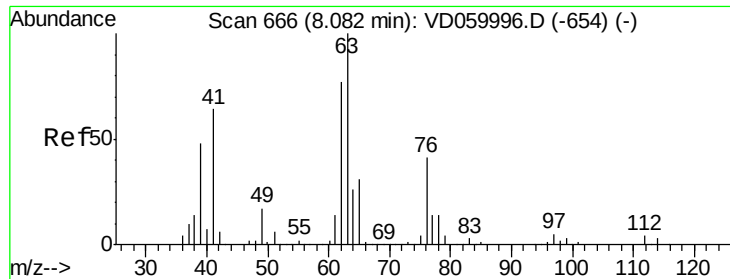
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#44
Trichloroethene
Concen: 20.591 ug/l
RT: 7.73 min Scan# 631
Delta R.T. 0.01 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	202.0





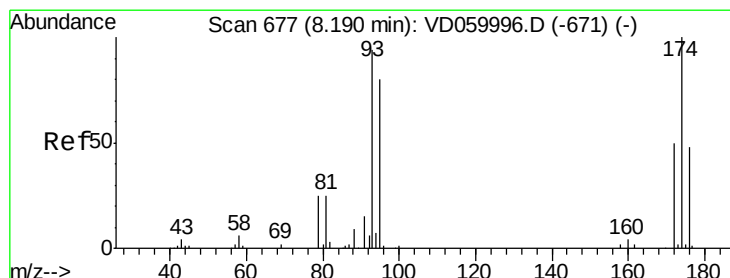
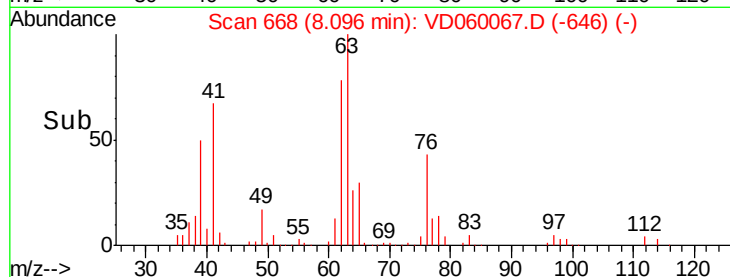
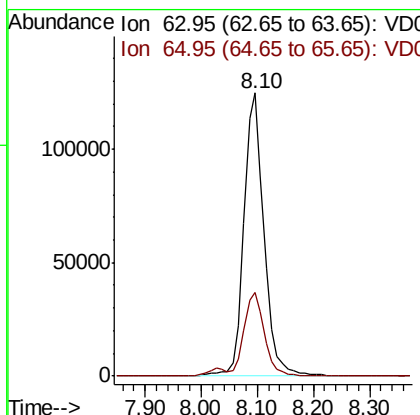
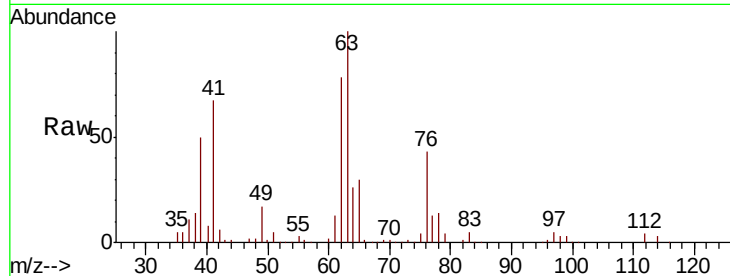
#45
 1,2-Dichloropropane
 Concen: 20.416 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: VD060067.D
 Acq: 21 Sep 2018 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion: 63 Resp: 307996
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.6 37.0

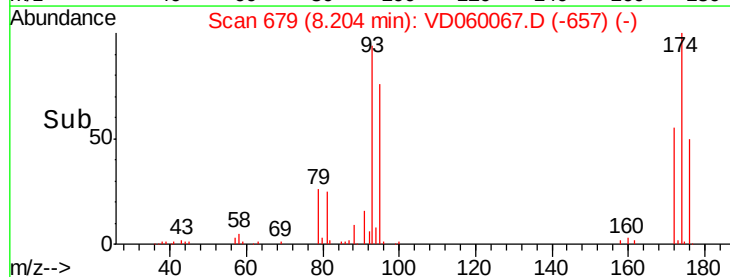
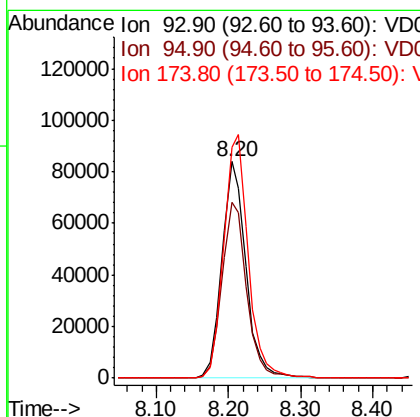
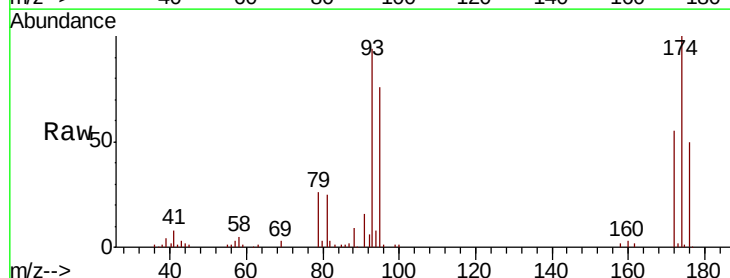
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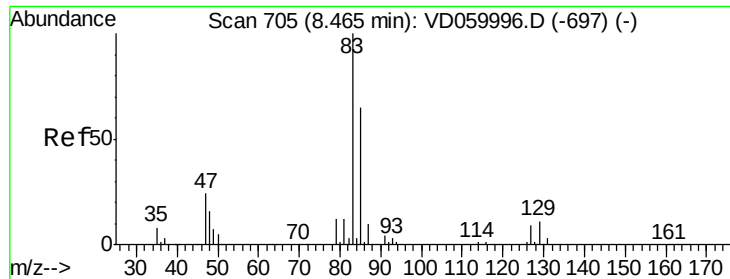
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#46
 Dibromomethane
 Concen: 19.550 ug/l
 RT: 8.20 min Scan# 679
 Delta R.T. 0.01 min
 Lab File: VD060067.D
 Acq: 21 Sep 2018 13:14

Tgt Ion: 93 Resp: 192434
 Ion Ratio Lower Upper
 93 100
 95 81.1 68.0 102.0
 174 106.3 85.4 128.2





#47

Bromodichloromethane

Concen: 19.789 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.01 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Instrument :

MSVOA_D

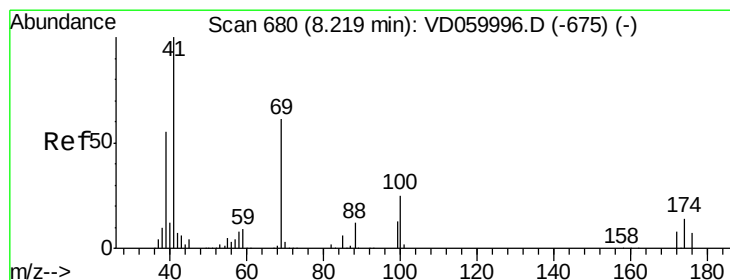
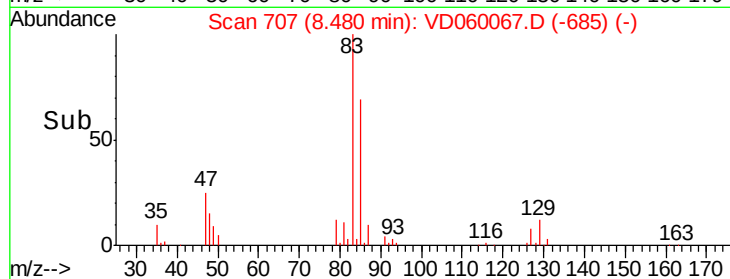
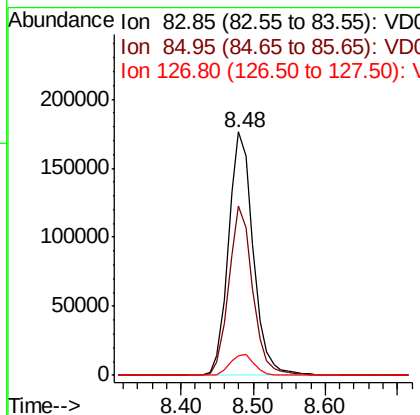
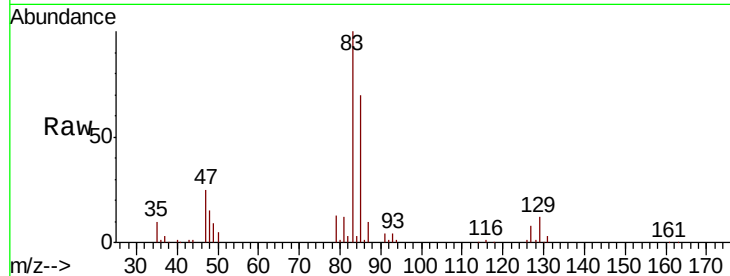
ClientSampleId :

VD0921SBS01

Tot Ion:	83	Resp:	419963
Ion	Ratio	Lower	Upper
83	100		
85	69.5	51.9	77.9
127	8.0	6.8	10.2

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#48

Methyl methacrylate

Concen: 18.528 ug/l

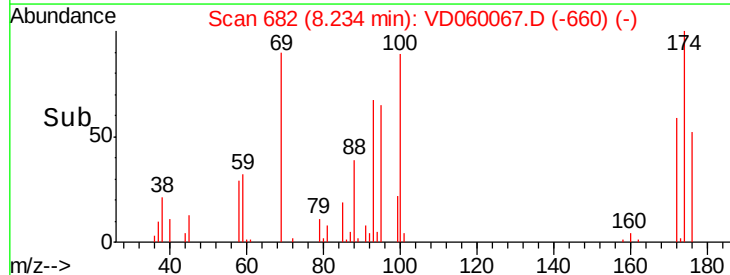
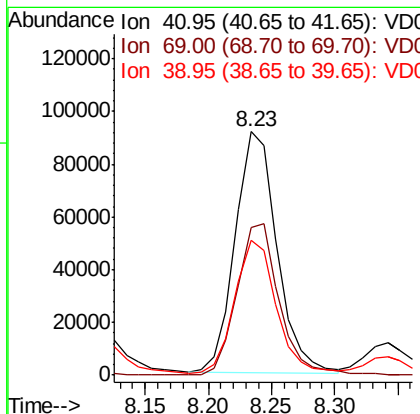
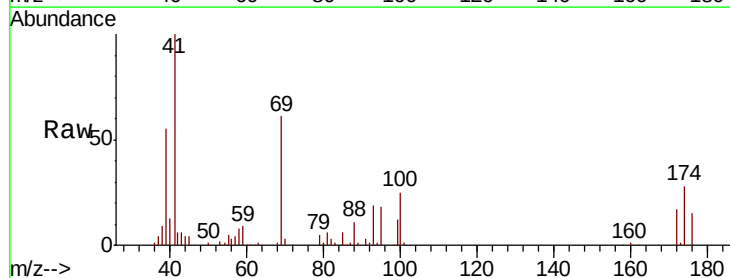
RT: 8.23 min Scan# 682

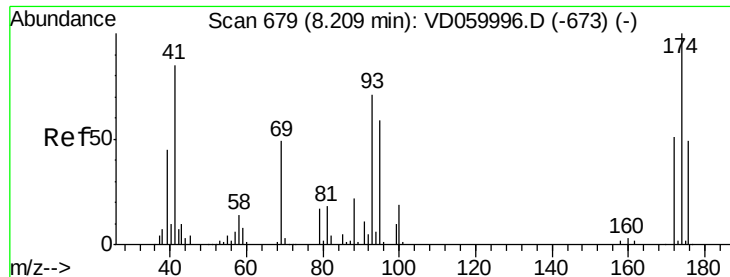
Delta R.T. 0.01 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Tgt Ion:	41	Resp:	210305
Ion	Ratio	Lower	Upper
41	100		
69	60.6	48.3	72.5
39	55.4	44.1	66.1





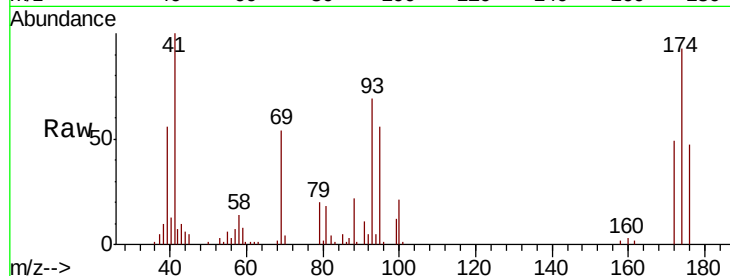
#49
1,4-Dioxane
Concen: 353.946 ug/l
RT: 8.22 min Scan# 681
Delta R.T. 0.01 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

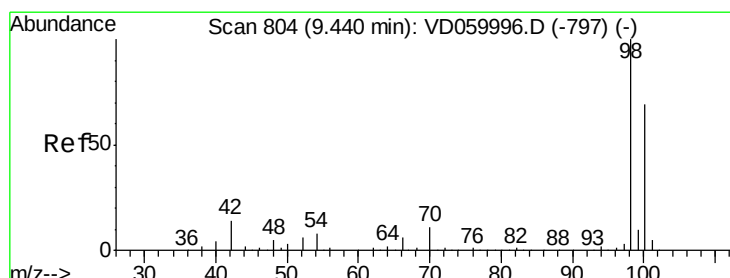
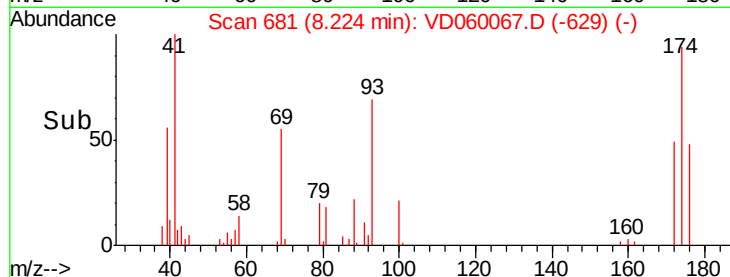
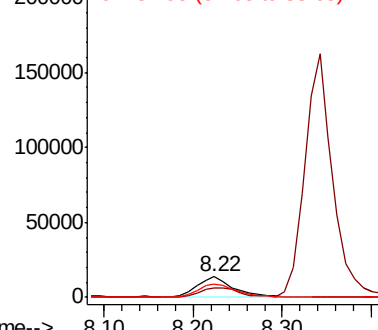
Tot Ion	Ratio	Lower	Upper
88	100		
43	44.6	36.2	54.2
58	63.1	51.0	76.6

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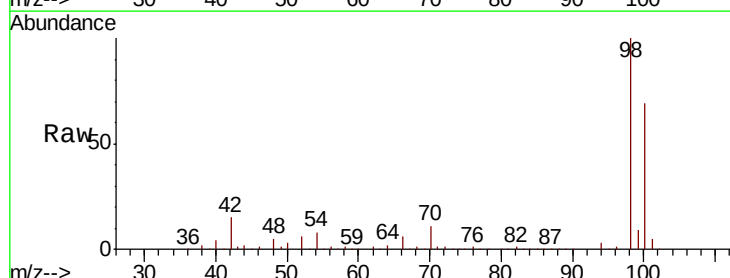


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

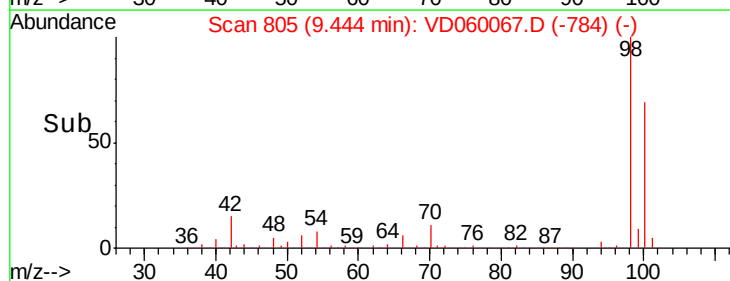
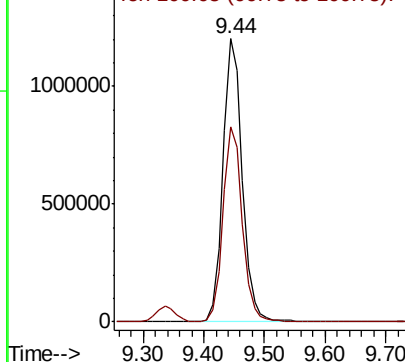


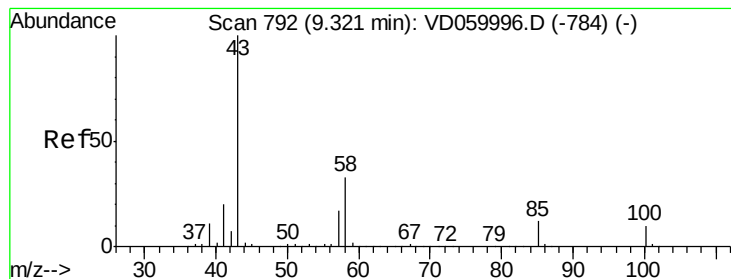
#50
Toluene-d8
Concen: 353.946 ug/l
RT: 9.44 min Scan# 805
Delta R.T. 0.00 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.9	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: 99.545 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Instrument :

MSVOA_D

ClientSampleID :

VD0921SBS01

Tot Ion: 43 Resp: 1497930

Ion Ratio Lower Upper

43 100

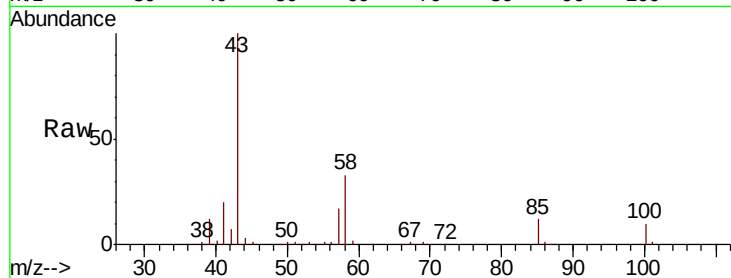
58 32.5 26.4 39.6

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

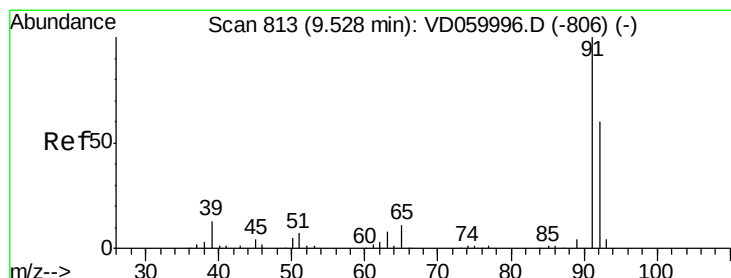
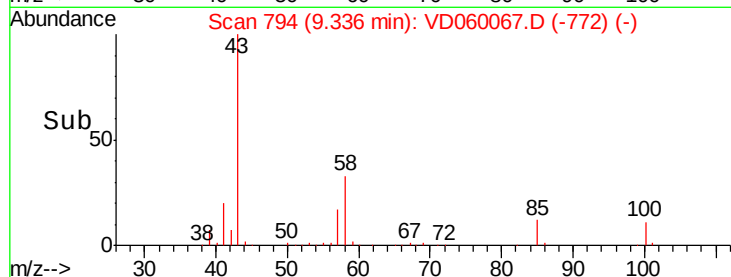
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 21.253 ug/l

RT: 9.54 min Scan# 815

Delta R.T. 0.01 min

Lab File: VD060067.D

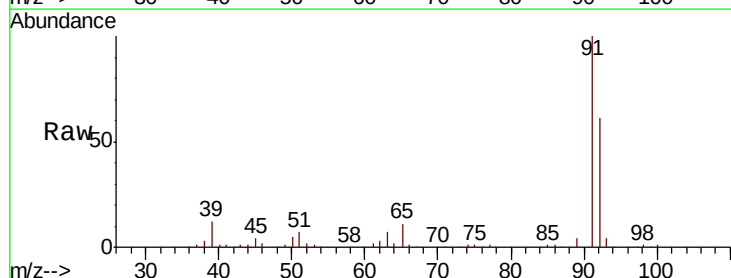
Acq: 21 Sep 2018 13:14

Tgt Ion: 92 Resp: 768554

Ion Ratio Lower Upper

92 100

91 164.4 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

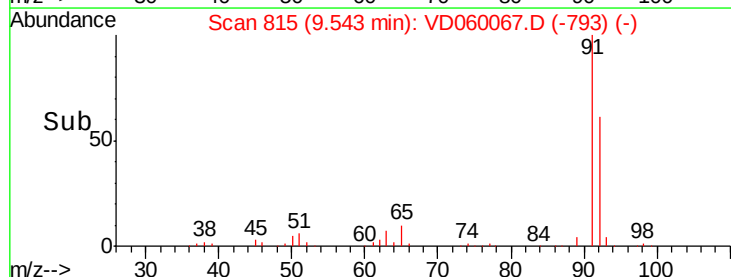
600000

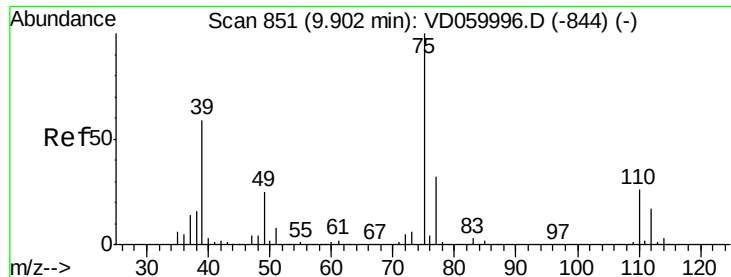
400000

200000

0

Time-->





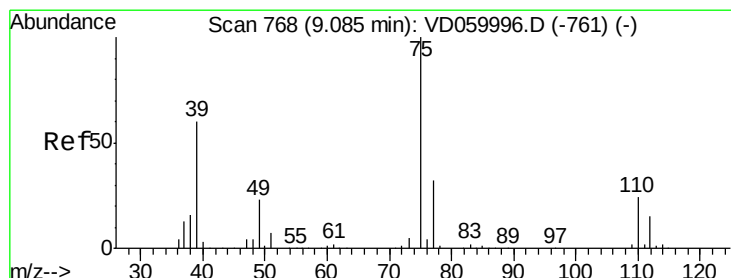
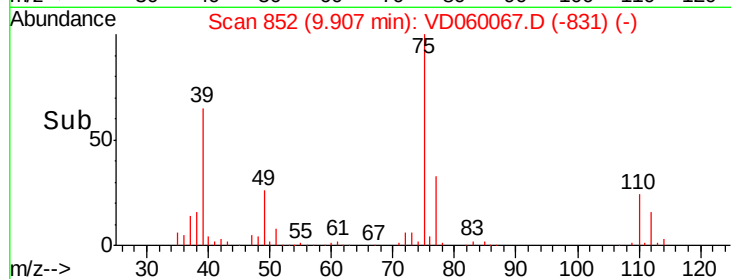
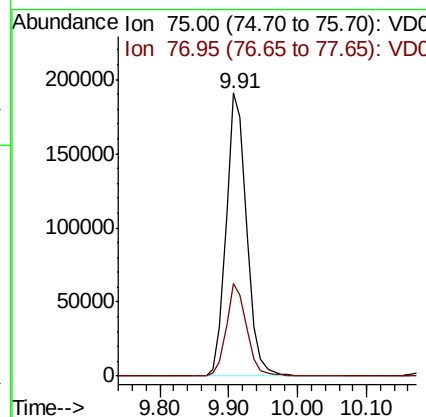
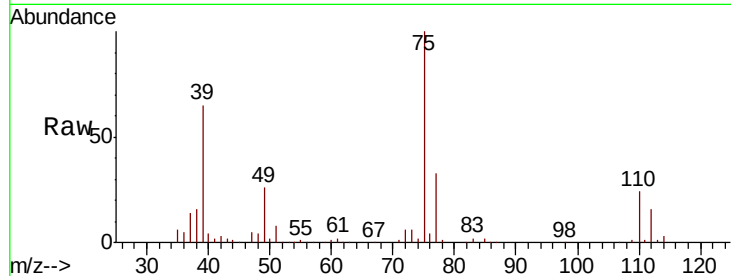
#53
 t-1,3-Dichloropropene
 Concen: 19.811 ug/l
 RT: 9.91 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VD060067.D
 Acq: 21 Sep 2018 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.6	38.4

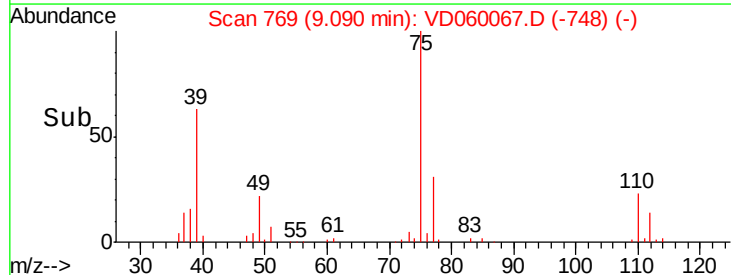
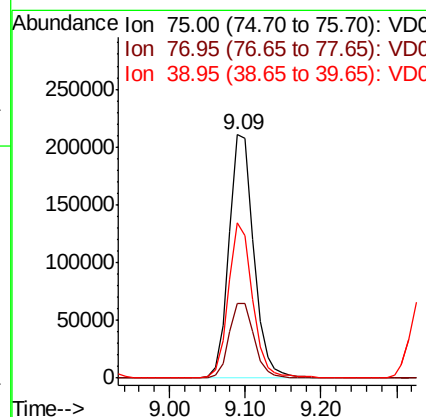
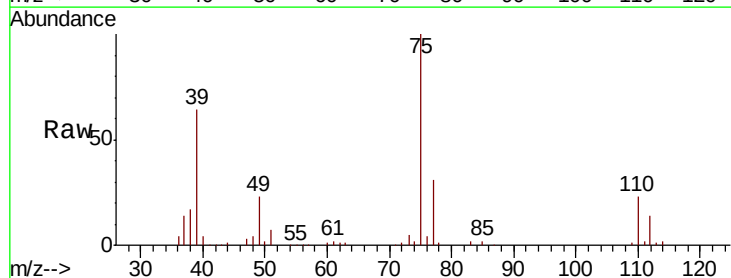
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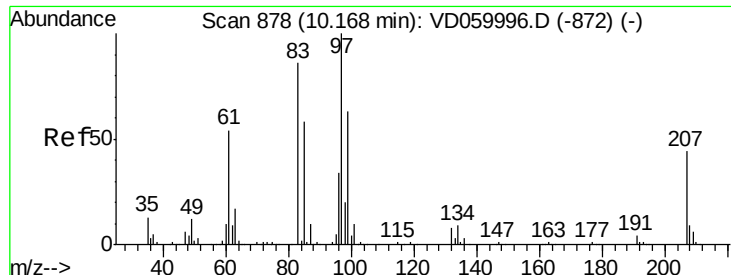
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#54
 cis-1,3-Dichloropropene
 Concen: 20.164 ug/l
 RT: 9.09 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: VD060067.D
 Acq: 21 Sep 2018 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.5	38.3
39	64.0	48.0	72.0





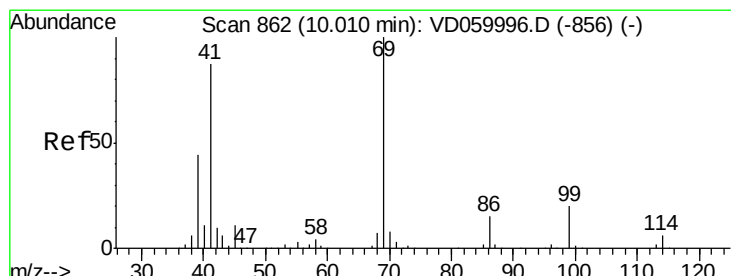
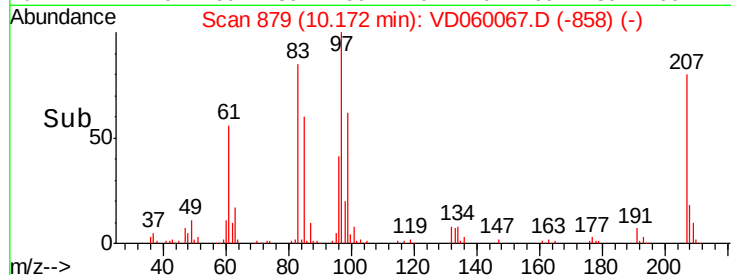
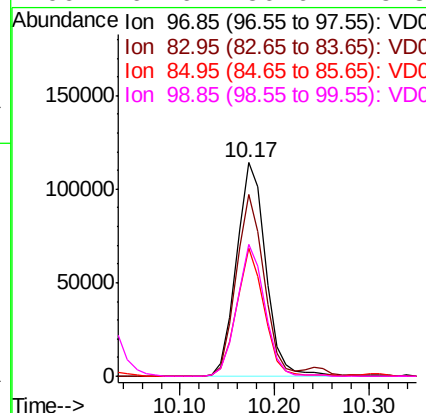
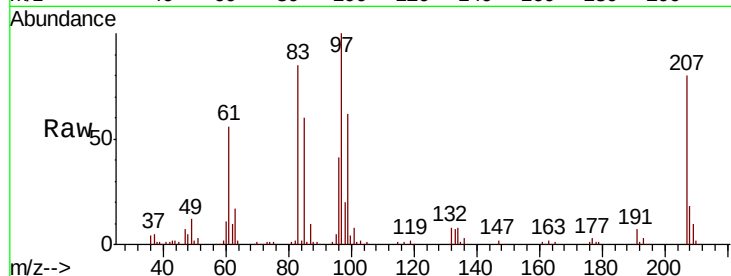
#55
 1,1,2-Trichloroethane
 Concen: 19.414 ug/l
 RT: 10.17 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VD060067.D
 Acq: 21 Sep 2018 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	97	Resp	243762
Ion Ratio	Lower	Upper	
97	100		
83	84.9	69.1	103.7
85	59.8	46.2	69.4
99	61.6	50.6	75.8

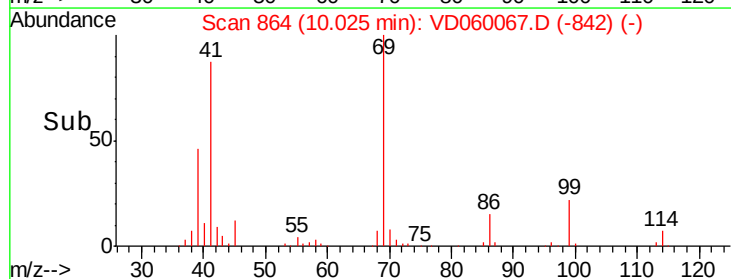
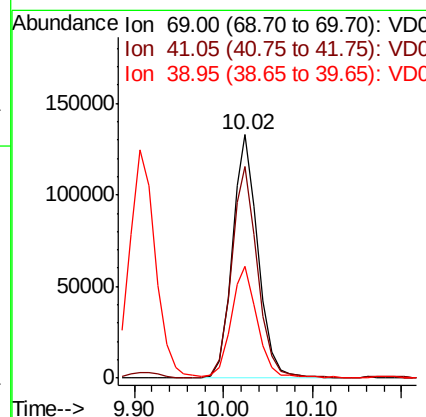
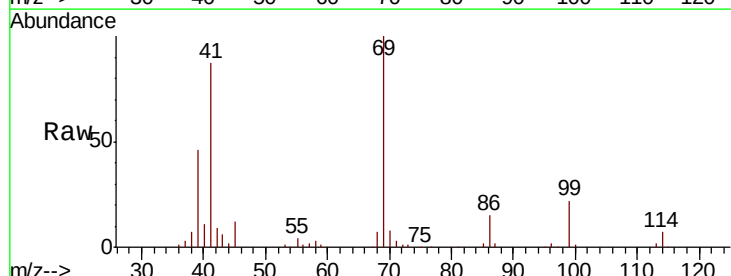
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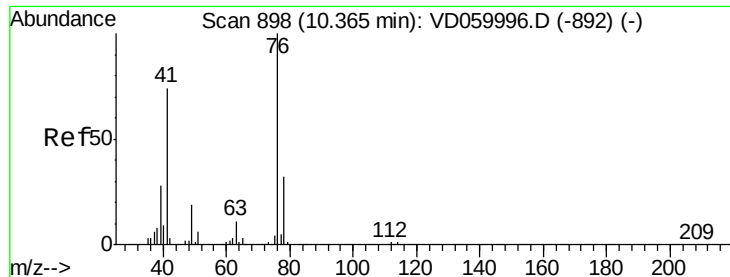
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#56
 Ethyl methacrylate
 Concen: 19.209 ug/l
 RT: 10.02 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VD060067.D
 Acq: 21 Sep 2018 13:14

Tgt Ion	69	Resp	267522
Ion Ratio	Lower	Upper	
69	100		
41	87.2	70.1	105.1
39	45.7	36.5	54.7





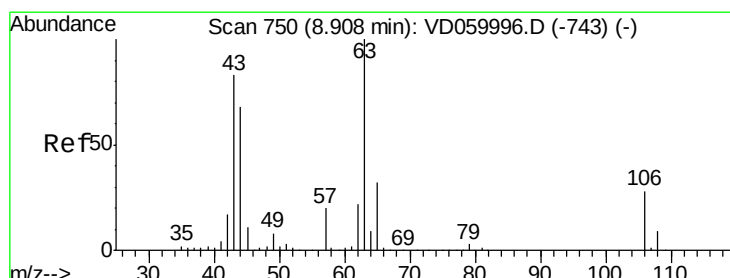
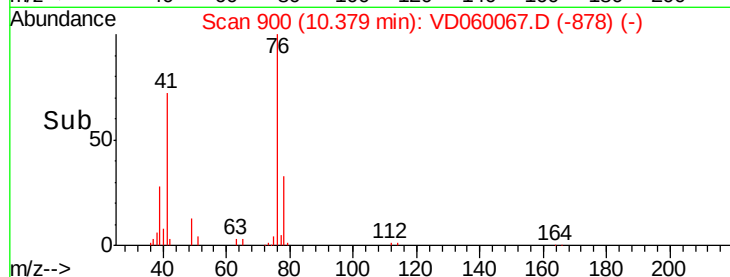
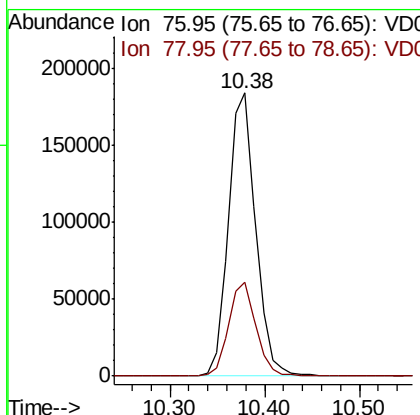
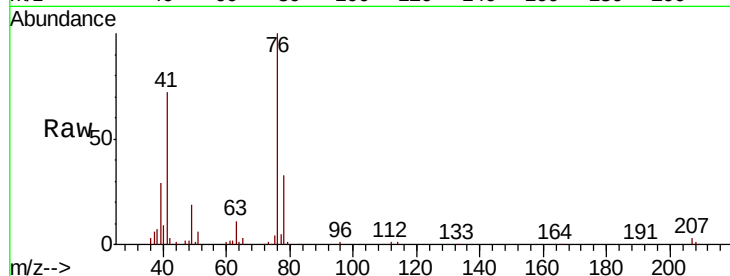
#57
 1,3-Dichloropropane
 Concen: 19.703 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD060067.D
 Acq: 21 Sep 2018 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion: 76 Resp: 365175
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.3 37.9

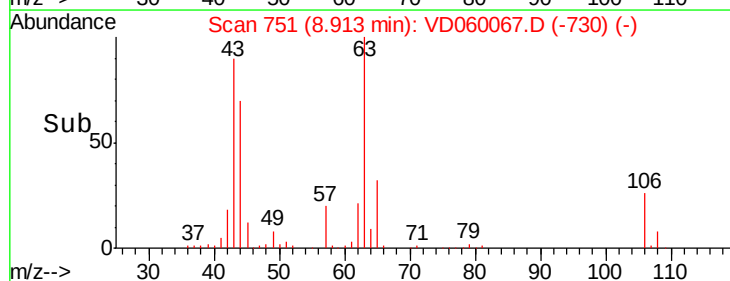
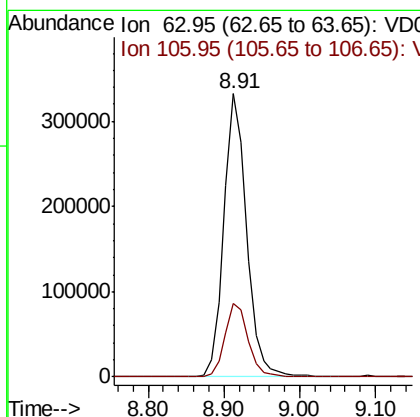
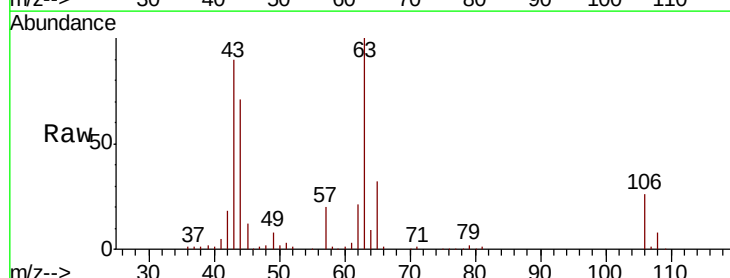
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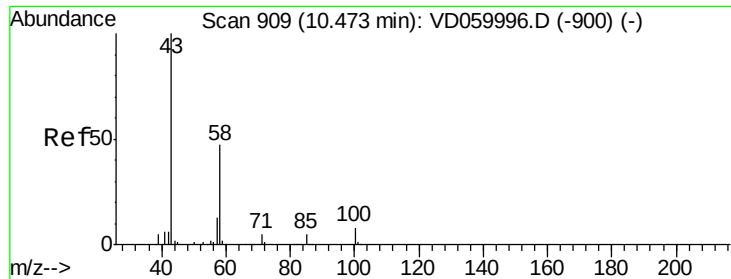
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#58
 2-Chloroethyl Vinyl ether
 Concen: 102.912 ug/l
 RT: 8.91 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VD060067.D
 Acq: 21 Sep 2018 13:14

Tgt Ion: 63 Resp: 692086
 Ion Ratio Lower Upper
 63 100
 106 26.1 22.0 33.0





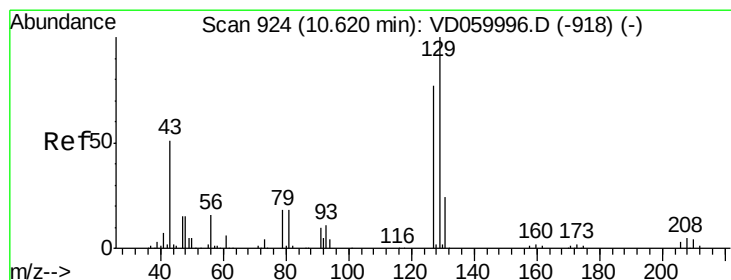
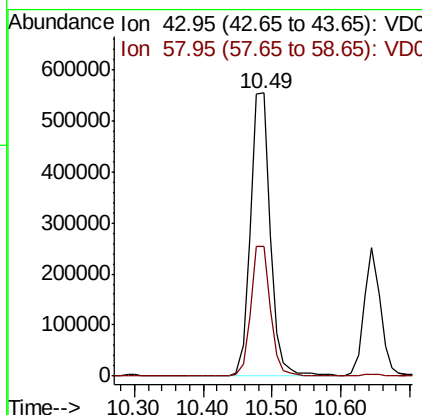
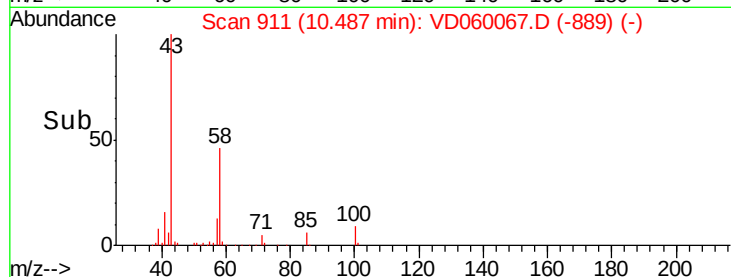
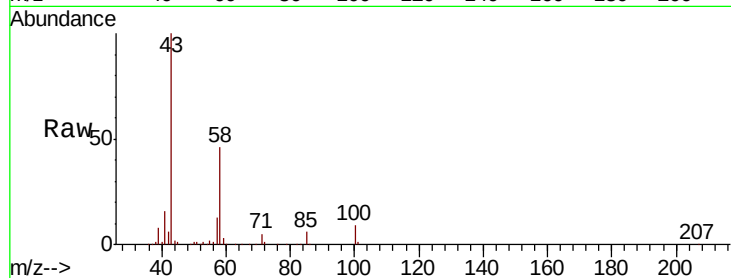
#59
2-Hexanone
Concen: 102.317 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

Tot Ion: 43 Resp: 1106617
Ion Ratio Lower Upper
43 100
58 45.7 23.4 70.0

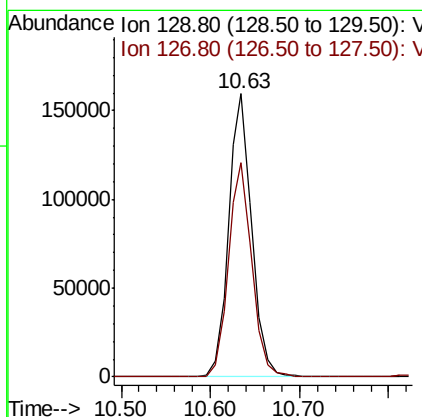
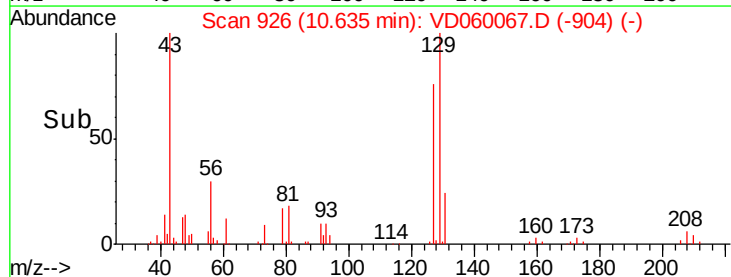
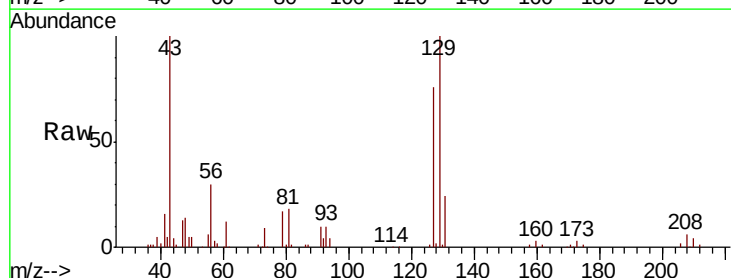
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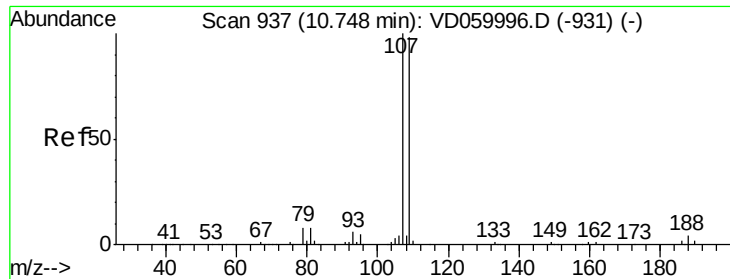
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#60
Dibromochloromethane
Concen: 18.969 ug/l
RT: 10.63 min Scan# 926
Delta R.T. 0.01 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion: 129 Resp: 289886
Ion Ratio Lower Upper
129 100
127 75.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.394 ug/l

RT: 10.75 min Scan# 938

Delta R.T. 0.00 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 107 Resp: 251412

Ion Ratio Lower Upper

107 100

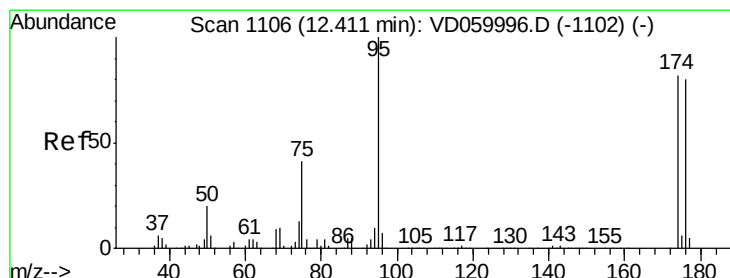
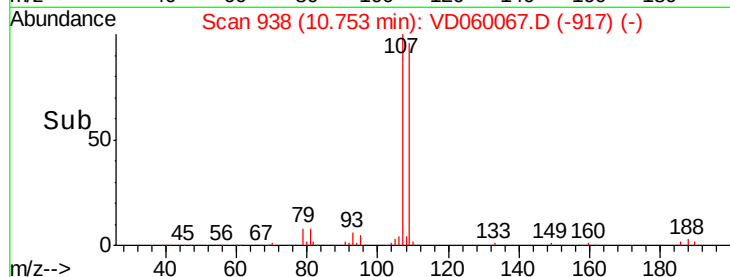
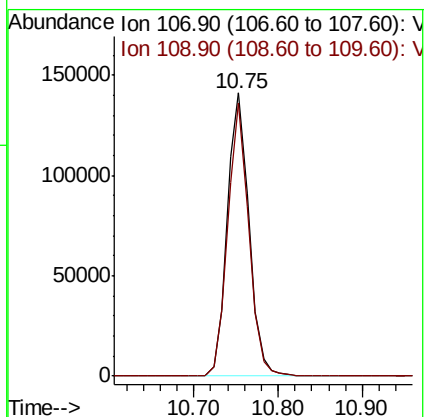
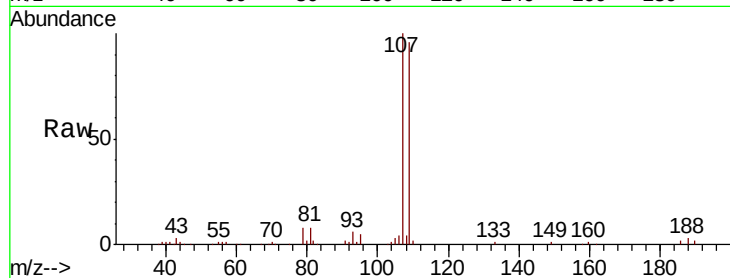
109 96.4 78.2 117.2

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#62

4-Bromofluorobenzene

Concen: 19.394 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

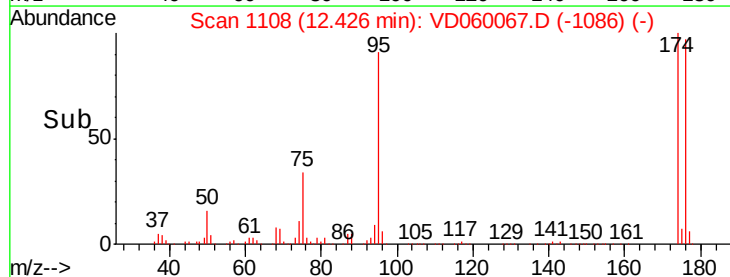
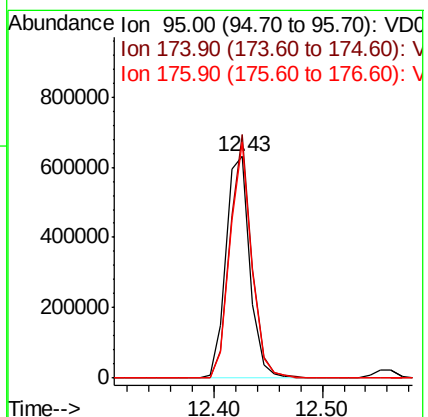
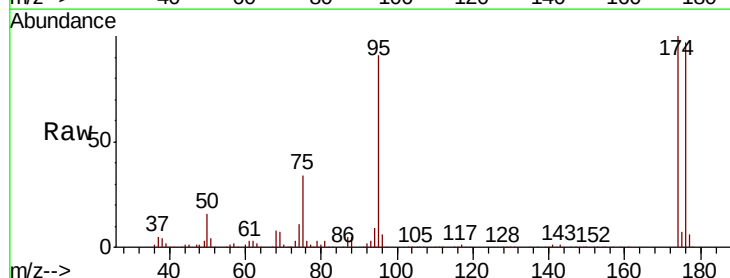
Tgt Ion: 95 Resp: 979268

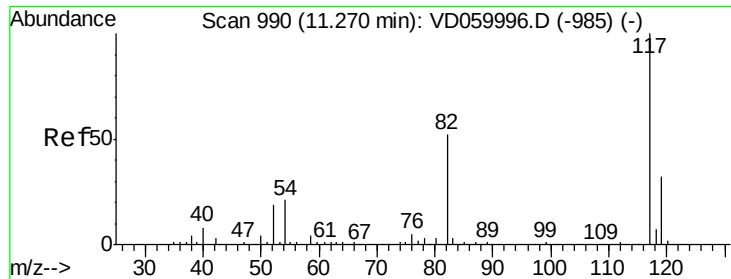
Ion Ratio Lower Upper

95 100

174 109.8 0.0 165.0

176 106.1 0.0 160.2





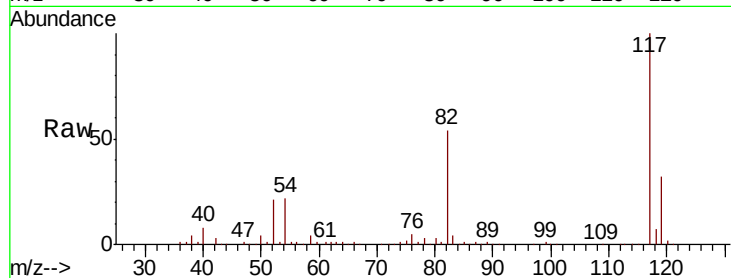
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.00 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

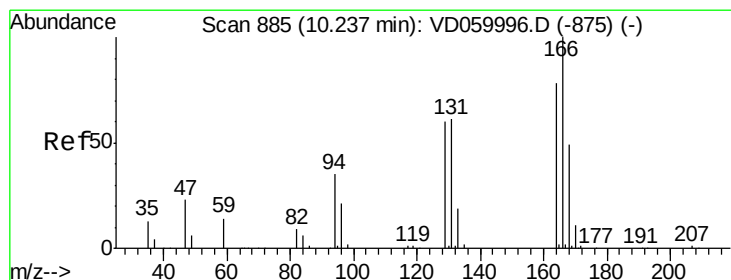
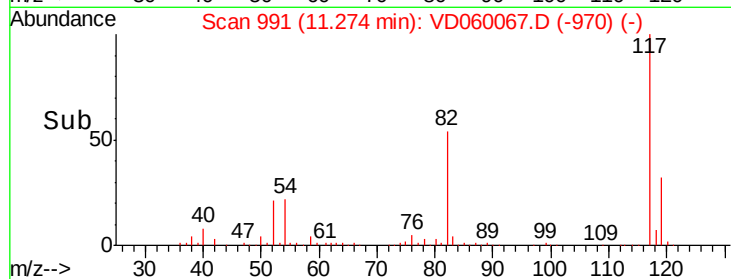
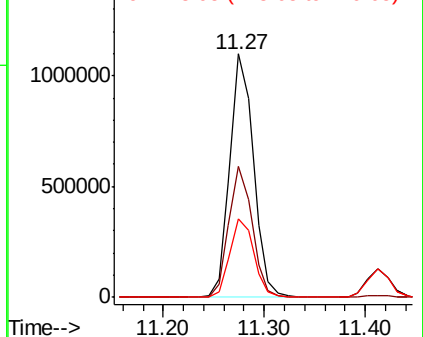
Tot Ion:117 Resp: 1790705
Ion Ratio Lower Upper
117 100
82 53.9 41.7 62.5
119 32.2 26.0 39.0

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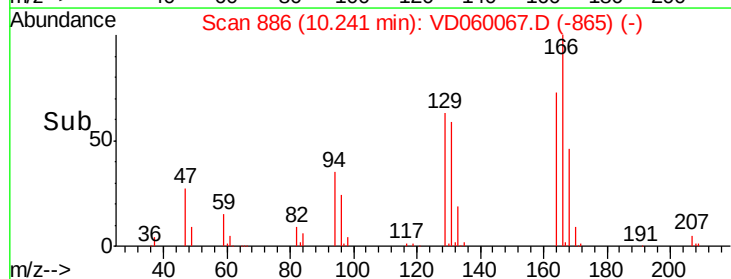
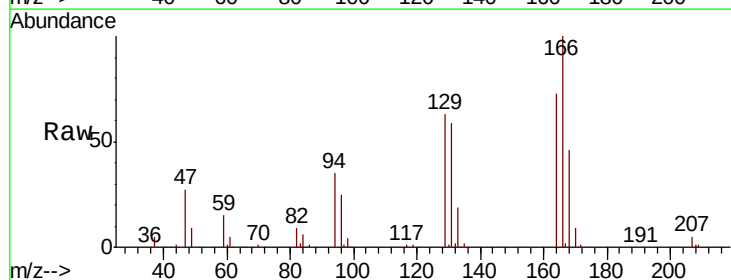
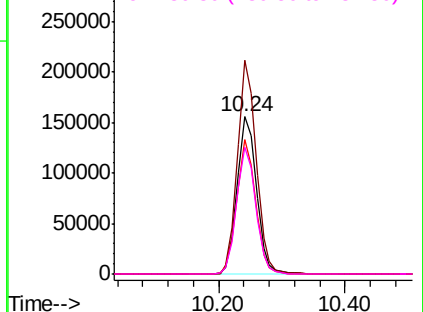
Abundance Ion 116.95 (116.65 to 117.65): V
1500000
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

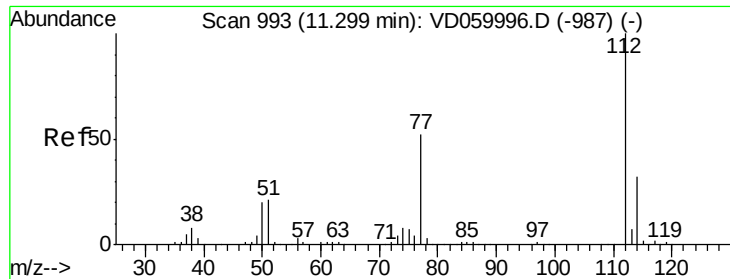


#64
Tetrachloroethene
Concen: 20.801 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.00 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion:164 Resp: 328635
Ion Ratio Lower Upper
164 100
166 136.2 103.0 154.6
129 85.5 61.9 92.9
131 80.6 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





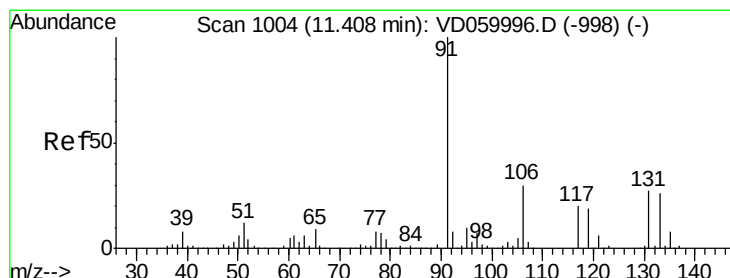
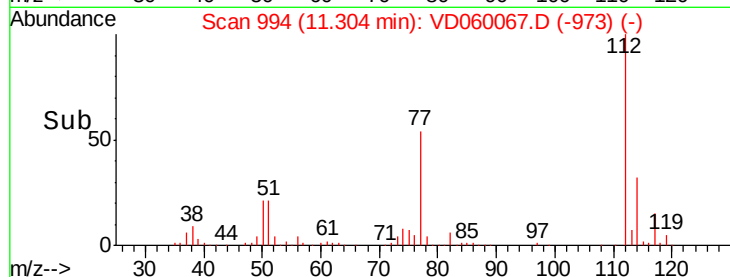
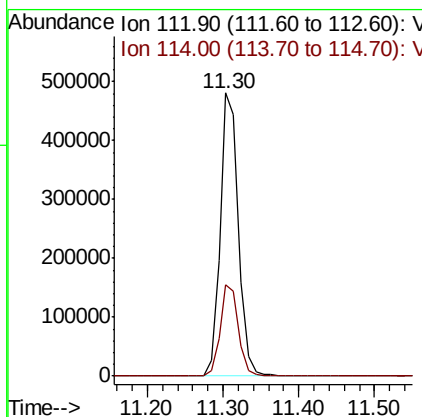
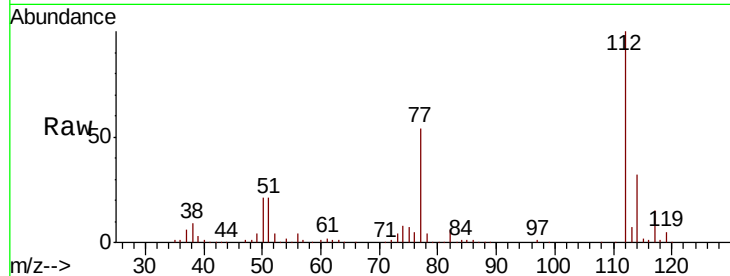
#65
Chlorobenzene
Concen: 20.933 ug/l
RT: 11.30 min Scan# 994
Delta R.T. 0.00 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion:112 Resp: 805903
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9

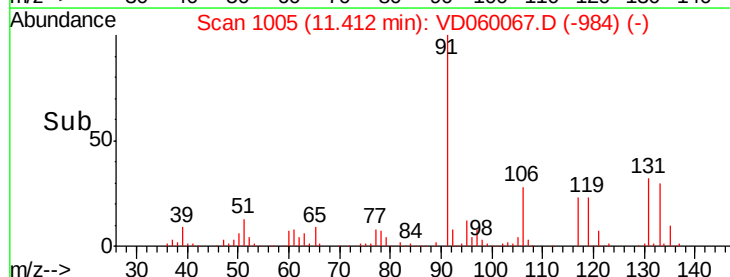
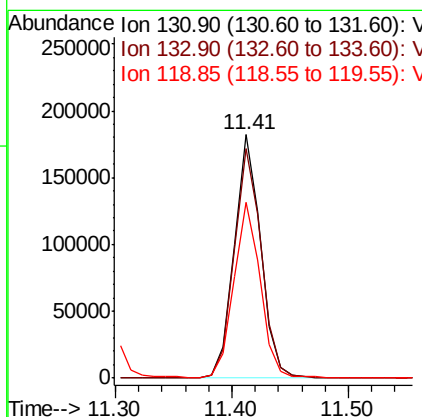
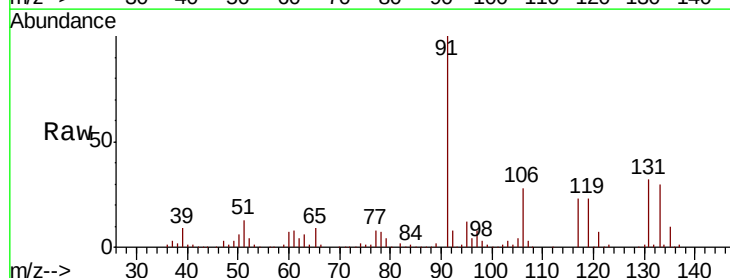
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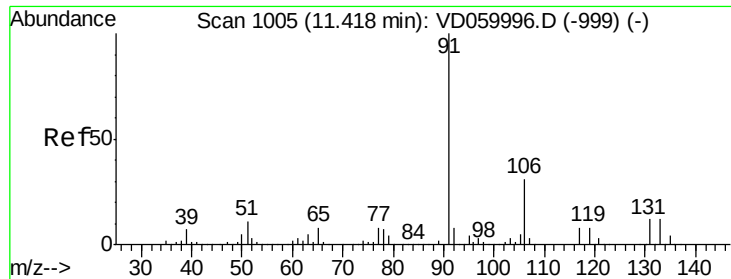
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.021 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion:131 Resp: 285948
Ion Ratio Lower Upper
131 100
133 94.4 47.4 142.3
119 72.1 35.6 106.9





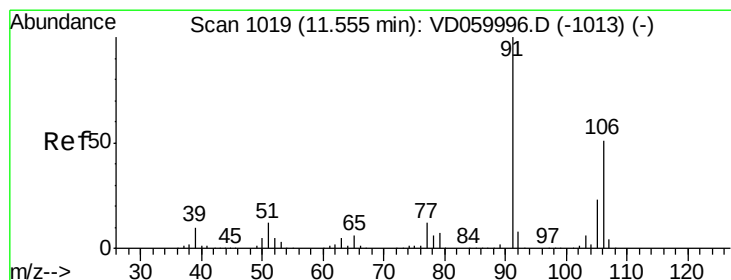
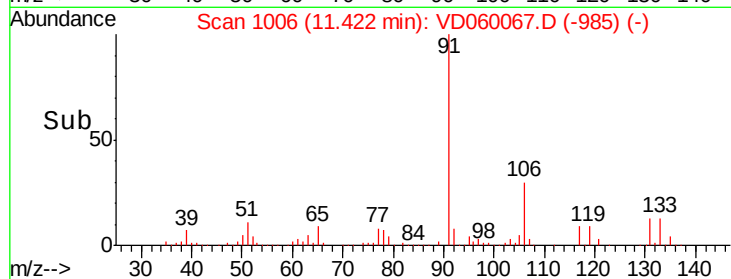
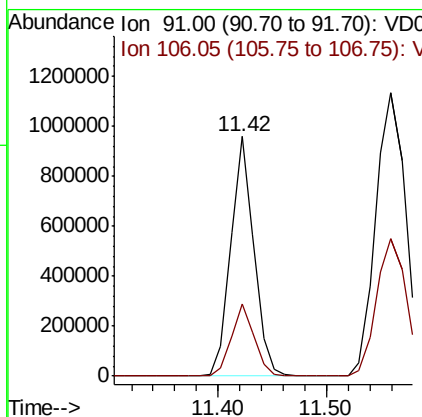
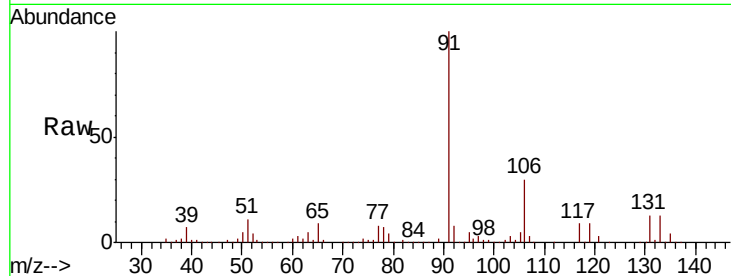
#67
Ethyl Benzene
Concen: 23.116 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion: 91 Resp: 1432185
Ion Ratio Lower Upper
91 100
106 30.2 24.8 37.2

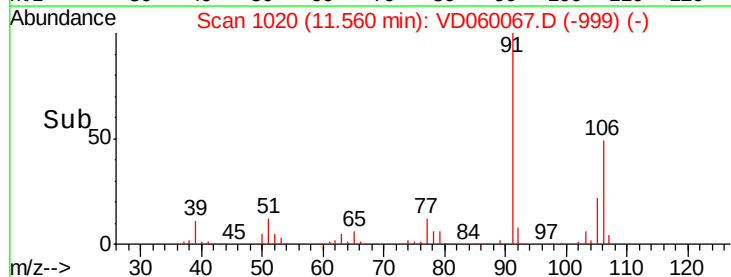
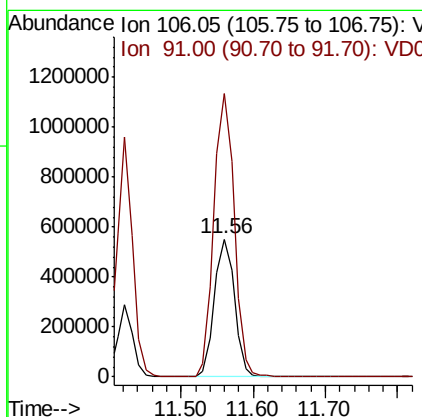
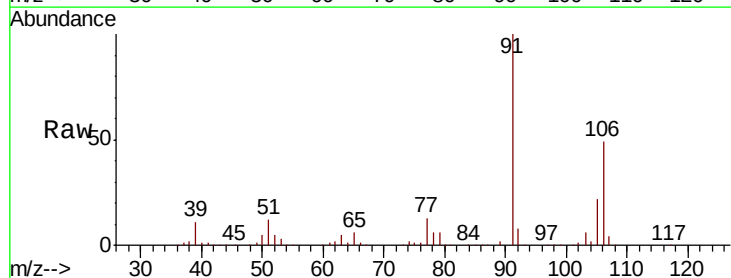
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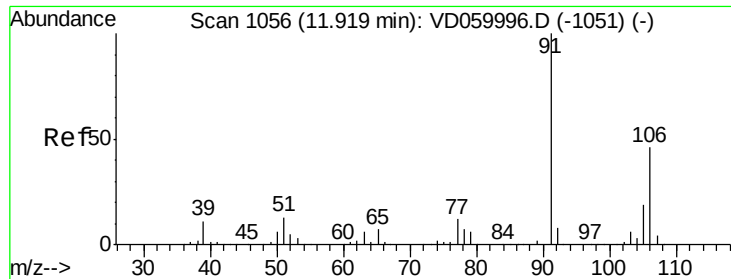
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#68
m/p-Xylenes
Concen: 46.338 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion: 106 Resp: 1060306
Ion Ratio Lower Upper
106 100
91 205.4 157.0 235.6





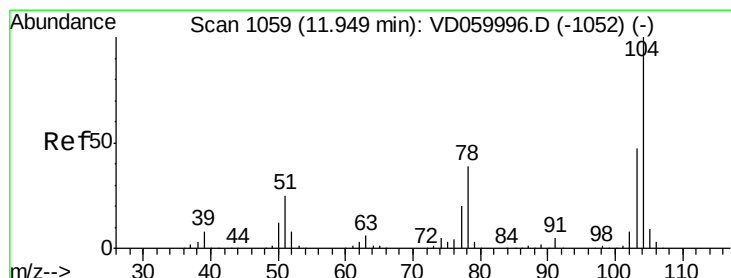
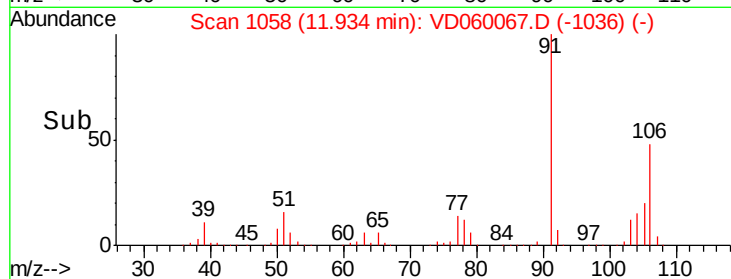
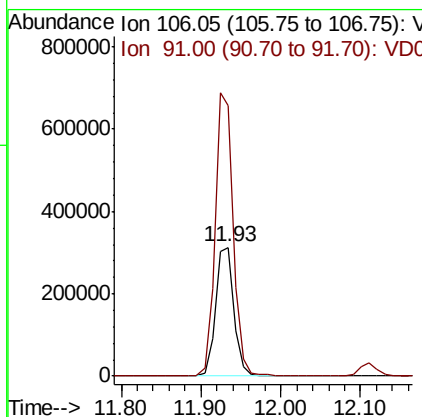
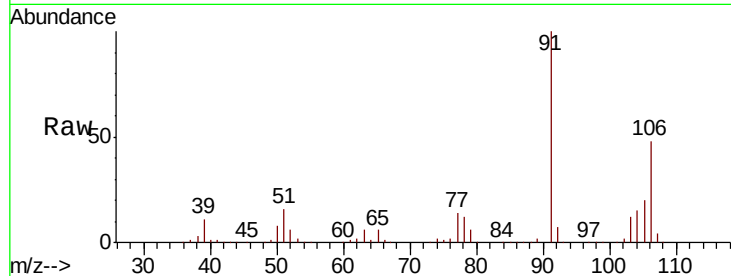
#69
o-Xylene
Concen: 22.486 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion:106 Resp: 509824
Ion Ratio Lower Upper
106 100
91 210.2 107.7 323.1

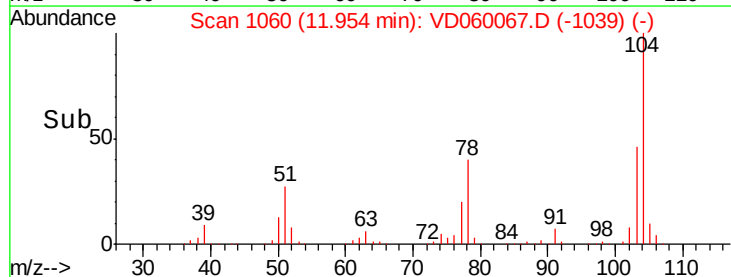
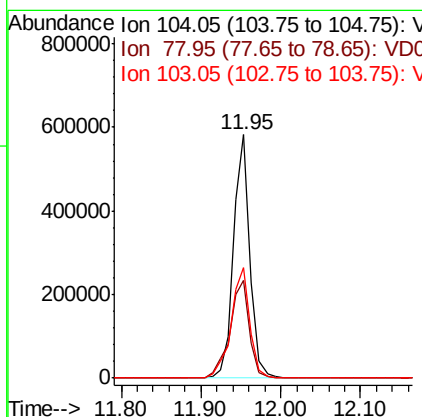
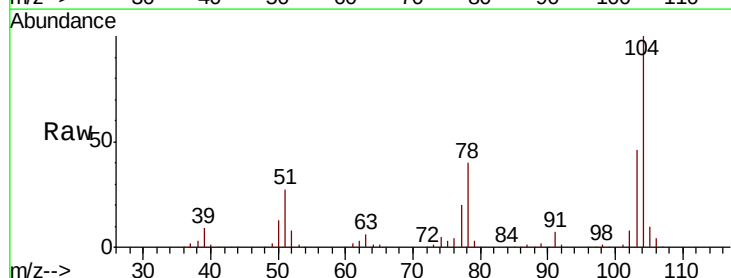
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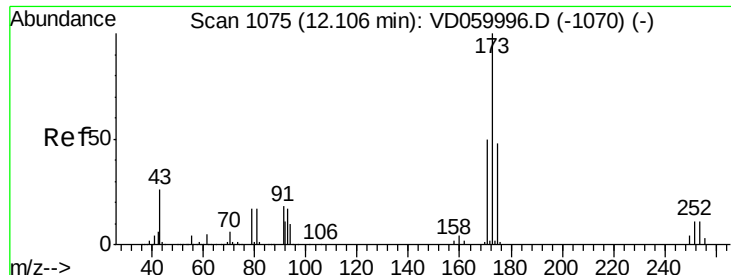
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#70
Styrene
Concen: 21.997 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.00 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion:104 Resp: 838555
Ion Ratio Lower Upper
104 100
78 39.9 31.0 46.4
103 45.5 37.6 56.4





#71

Bromoform

Concen: 18.136 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Instrument :

MSVOA_D

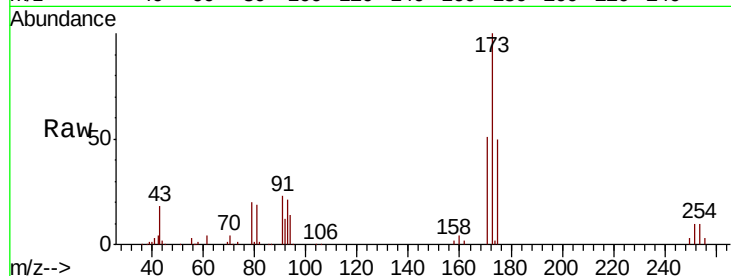
ClientSampleId :

VD0921SBS01

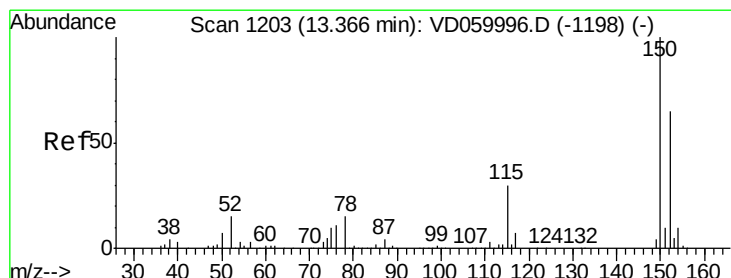
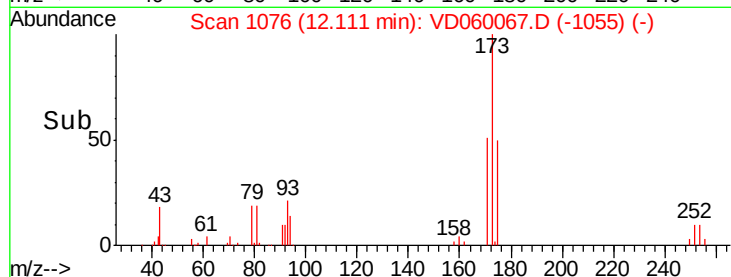
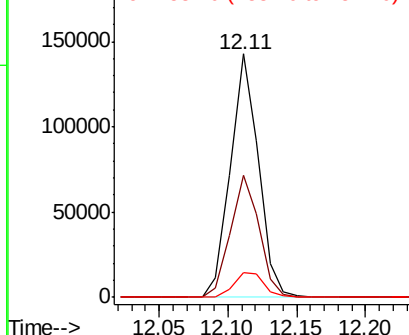
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.0	72.0
254	10.1	8.6	13.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

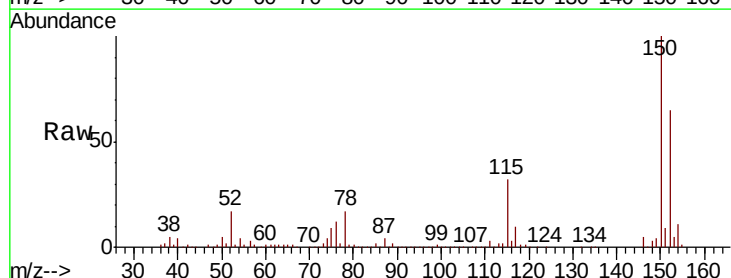
RT: 13.37 min Scan# 1204

Delta R.T. 0.00 min

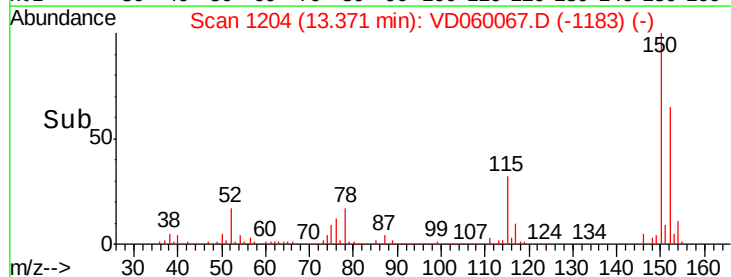
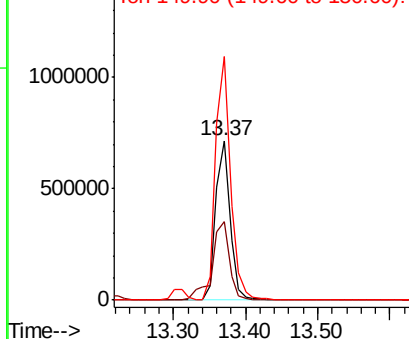
Lab File: VD060067.D

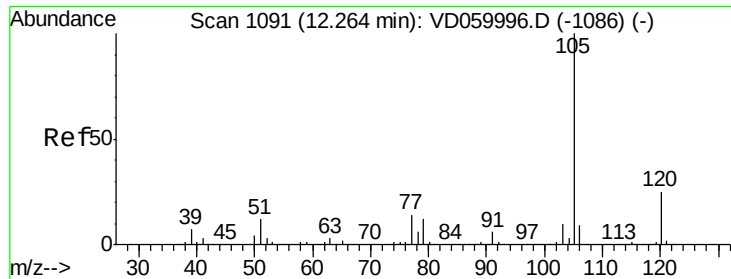
Acq: 21 Sep 2018 13:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.7	24.6	73.8
150	152.9	0.0	313.4



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





#73

Isopropylbenzene

Concen: 21.777 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBSD01

Tot Ion:105 Resp: 1383024

Ion Ratio Lower Upper

105 100

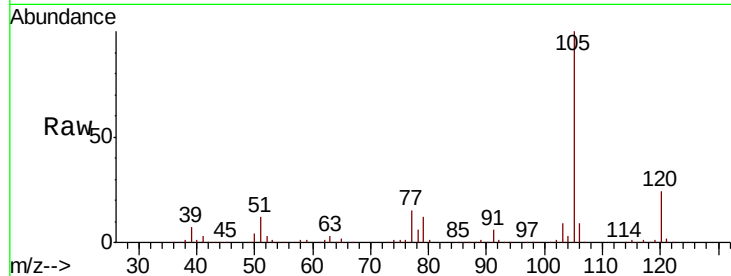
120 23.9 12.3 36.9

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.27

800000

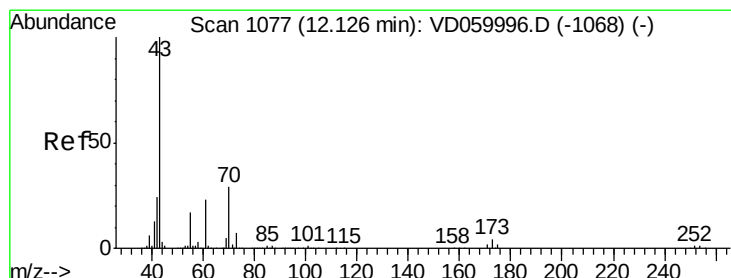
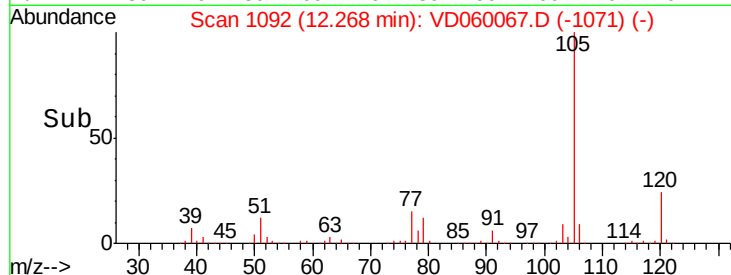
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 18.816 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Tgt Ion: 43 Resp: 473354

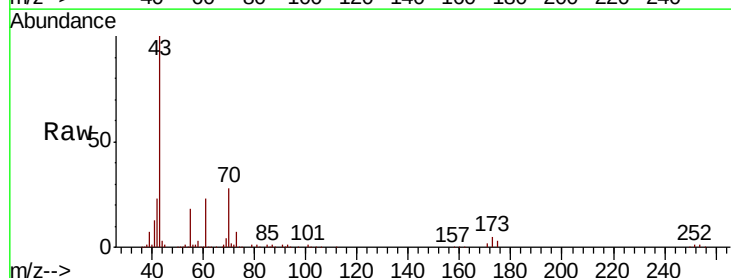
Ion Ratio Lower Upper

43 100

70 27.8 22.9 34.3

55 17.8 14.0 21.0

61 22.5 18.7 28.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

500000

400000

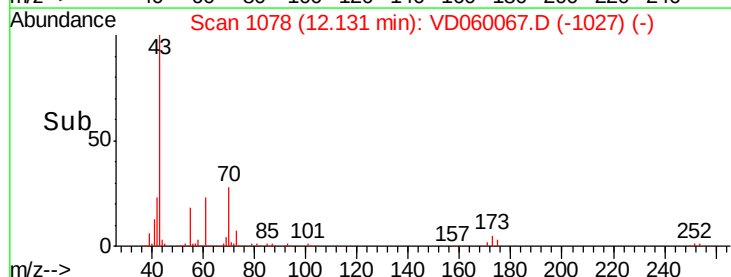
300000

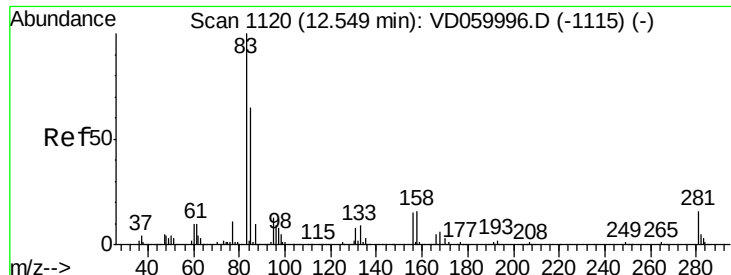
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.877 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 83 Resp: 271976

Ion Ratio Lower Upper

83 100

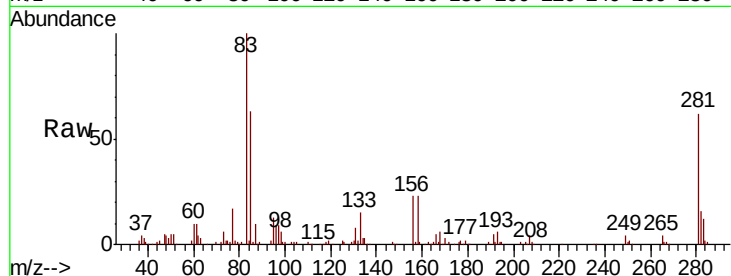
131 8.0 4.1 12.3

85 63.0 32.4 97.2

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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

250000

200000

150000

100000

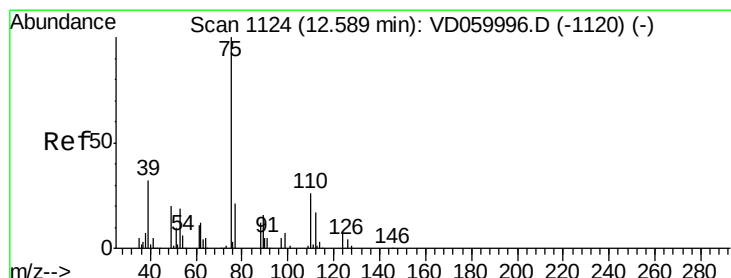
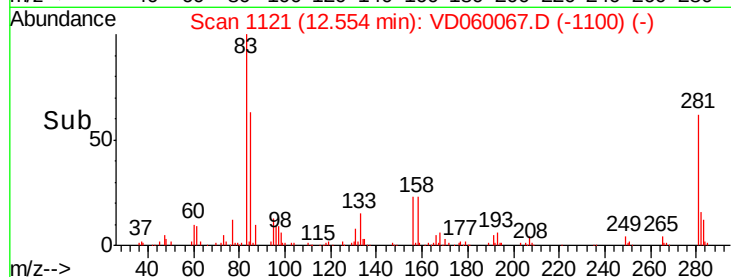
50000

0

12.55

12.60

Time-->



#76

1,2,3-Trichloropropane

Concen: 18.934 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VD060067.D

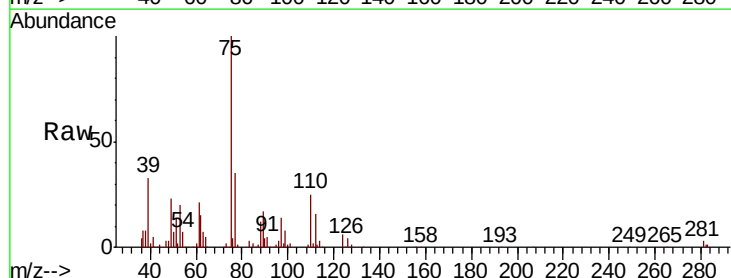
Acq: 21 Sep 2018 13:14

Tgt Ion: 75 Resp: 280019

Ion Ratio Lower Upper

75 100

77 34.6 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

400000

300000

200000

100000

0

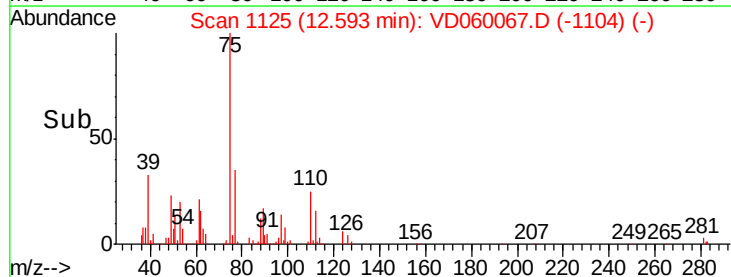
12.55

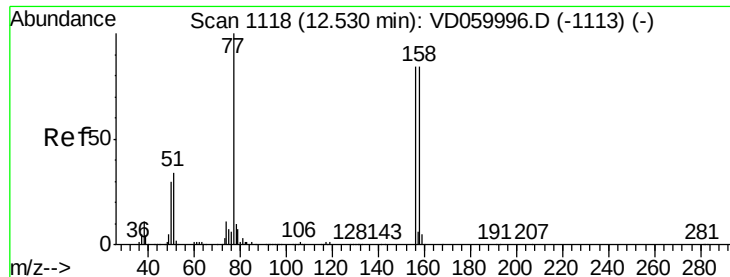
12.60

12.65

12.70

Time-->





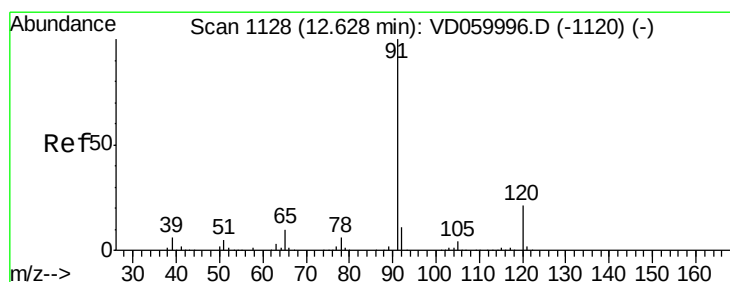
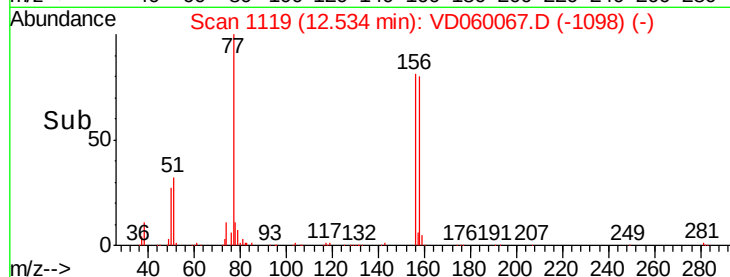
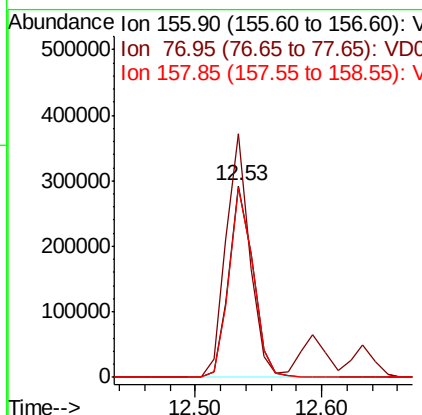
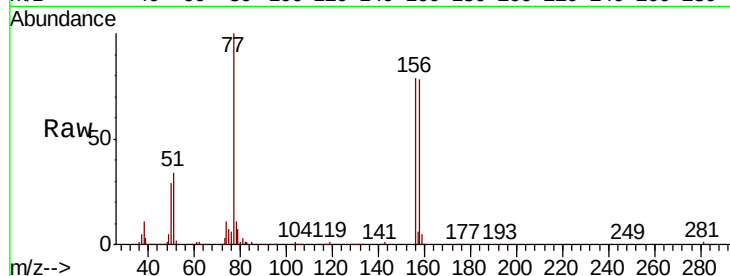
#77
Bromobenzene
Concen: 21.159 ug/l
RT: 12.53 min Scan# 1119
Delta R.T. 0.00 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	127.2	59.5	178.4
158	99.5	50.0	149.8

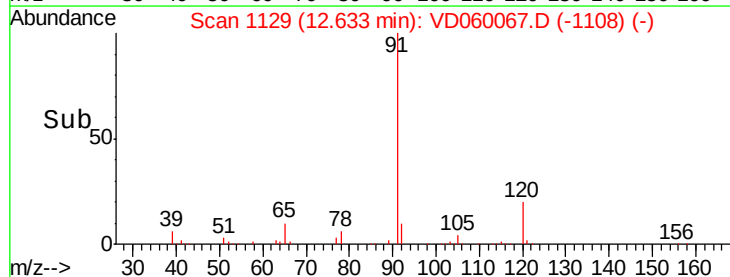
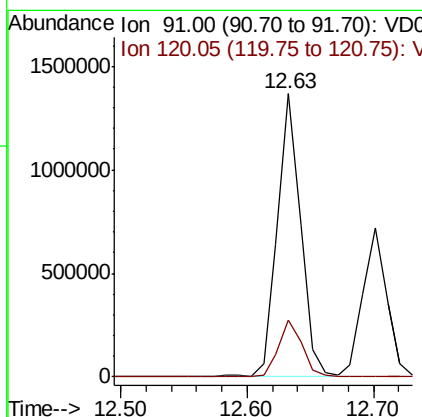
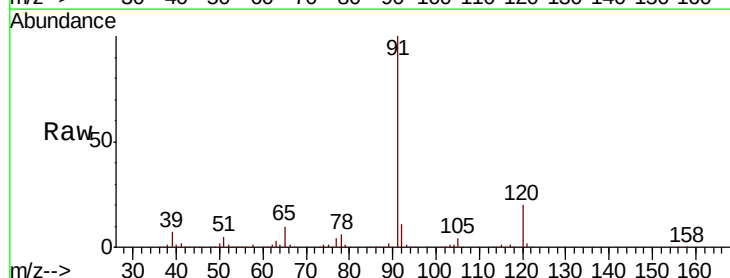
Manual Integrations
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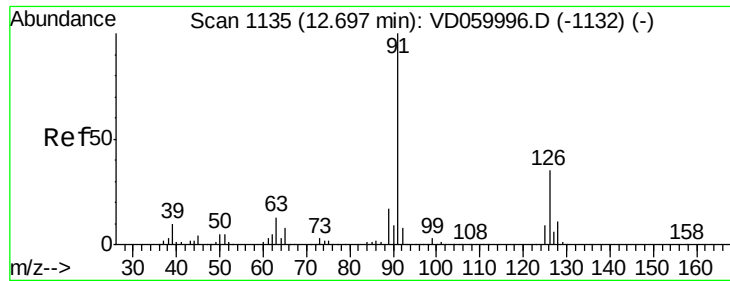
apatel
9/24/2018 1:02:11 PM



#78
n-propylbenzene
Concen: 22.182 ug/l
RT: 12.63 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.2	10.7	31.9





#79

2-Chlorotoluene

Concen: 21.027 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VD060067.D

Acq: 21 Sep 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 91 Resp: 947865

Ion Ratio Lower Upper

91 100

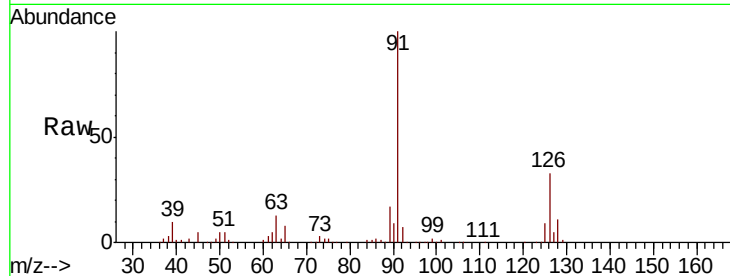
126 33.3 17.3 52.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD059996.D (-1132) (-)

Ion 125.95 (125.65 to 126.65): VD059996.D (-1132) (-)

1500000

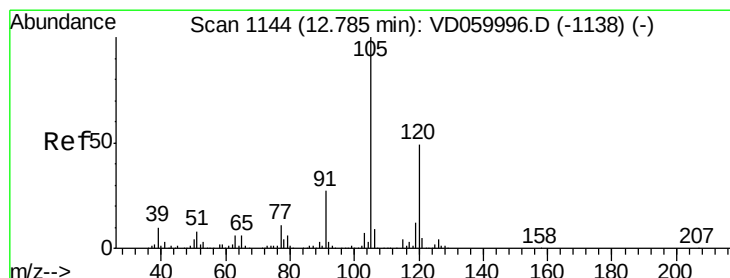
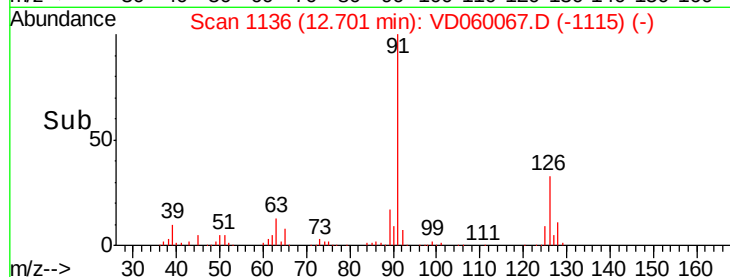
1000000

500000

0

12.65 12.70 12.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.521 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VD060067.D

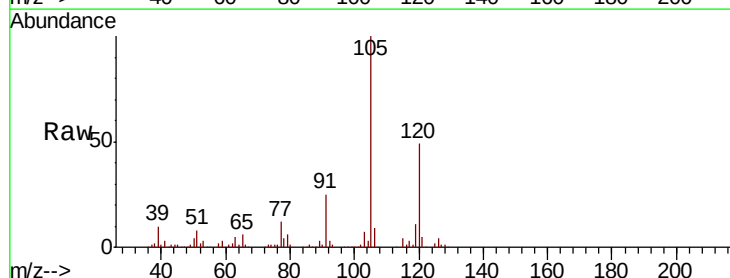
Acq: 21 Sep 2018 13:14

Tgt Ion:105 Resp: 1096285

Ion Ratio Lower Upper

105 100

120 48.5 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): VD059996.D (-1138) (-)

Ion 120.05 (119.75 to 120.75): VD059996.D (-1138) (-)

1000000

800000

600000

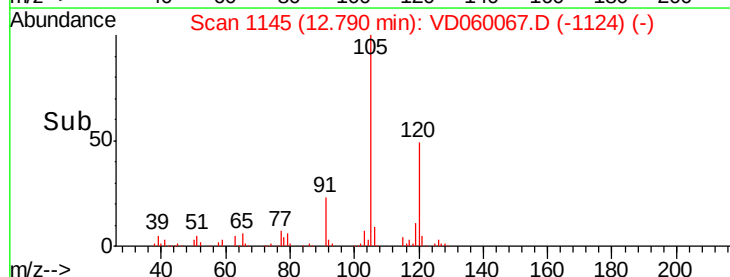
400000

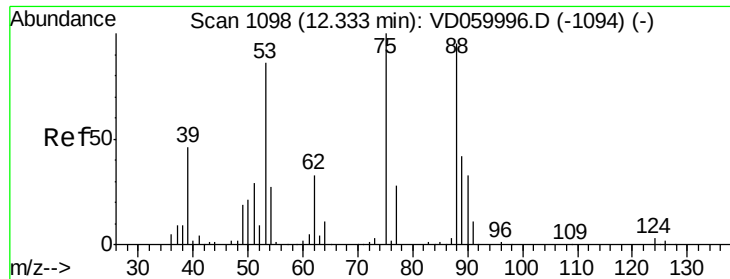
200000

0

12.70 12.80 12.90

Time-->





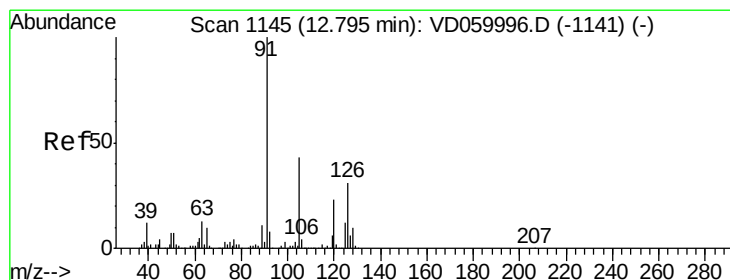
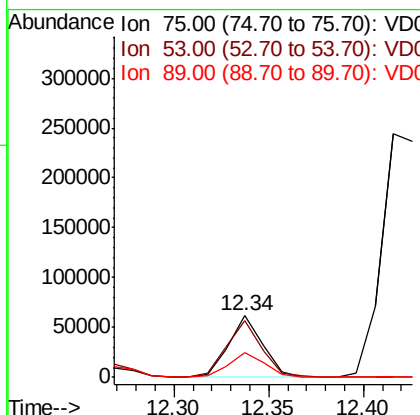
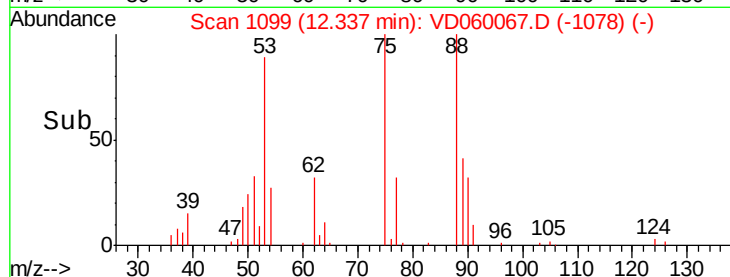
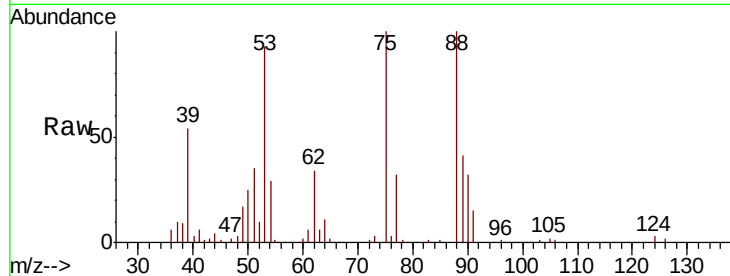
#81
trans-1,4-Dichloro-2-butene
Concen: 17.287 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.1	68.4	102.6
89	41.1	33.8	50.6

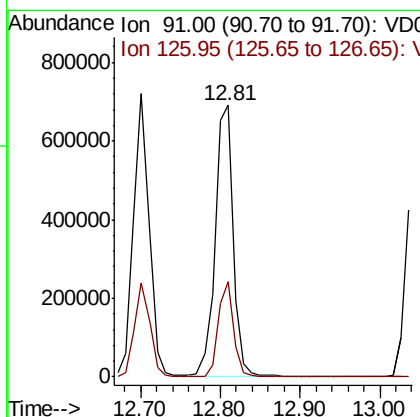
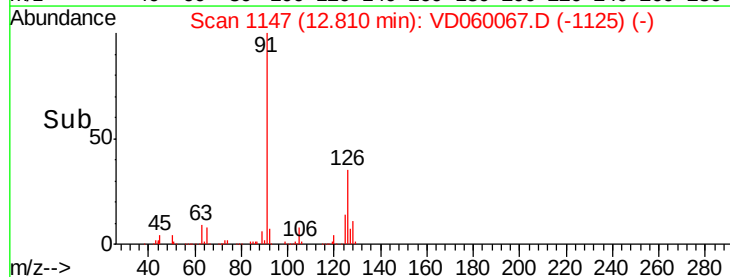
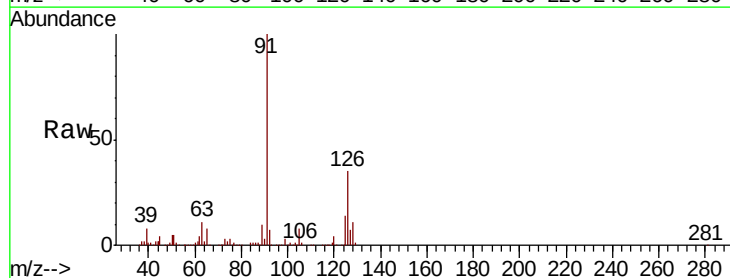
Manual Integrations
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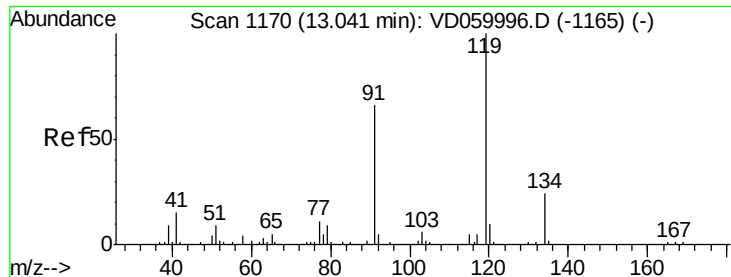
apatel
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#82
4-Chlorotoluene
Concen: 22.260 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	15.4	46.1





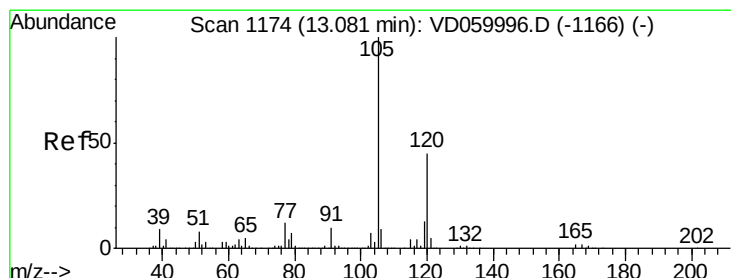
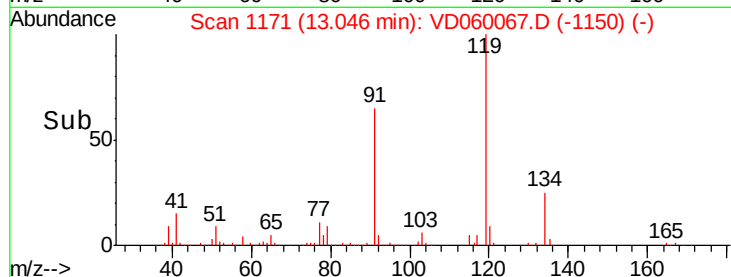
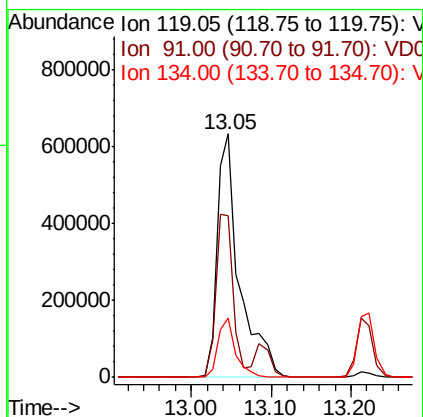
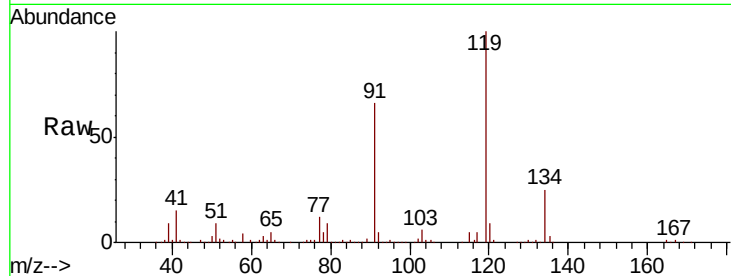
#83
tert-Butylbenzene
Concen: 21.930 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

Tot Ion:119 Resp: 1236742
Ion Ratio Lower Upper
119 100
91 66.4 32.9 98.6
134 24.5 12.0 36.0

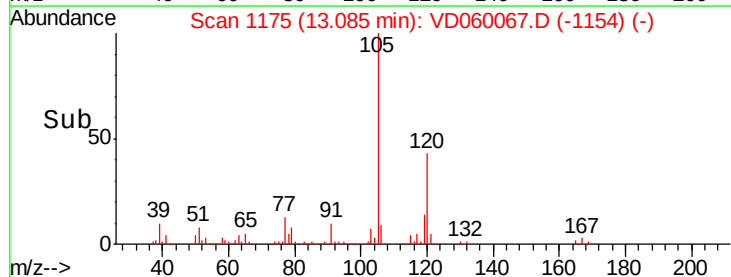
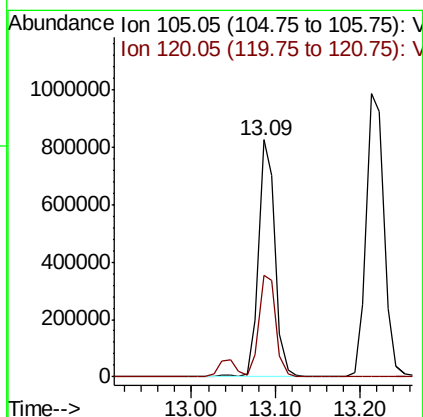
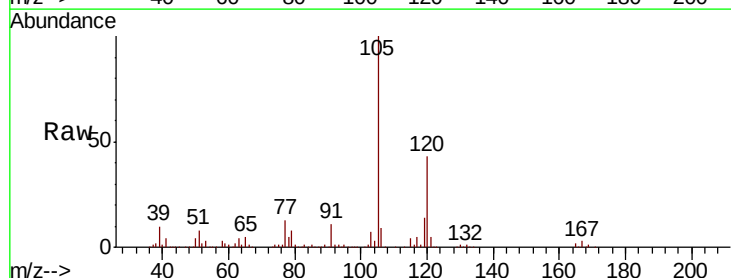
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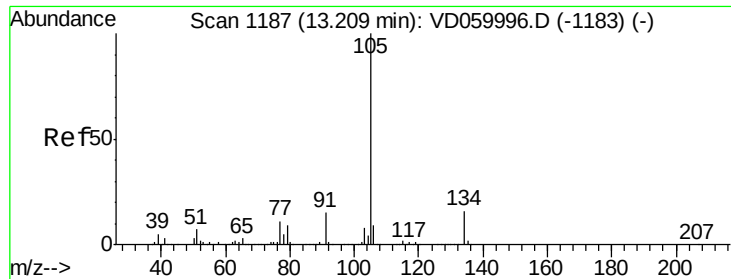
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#84
1,2,4-Trimethylbenzene
Concen: 21.929 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion:105 Resp: 1139150
Ion Ratio Lower Upper
105 100
120 43.0 22.4 67.0





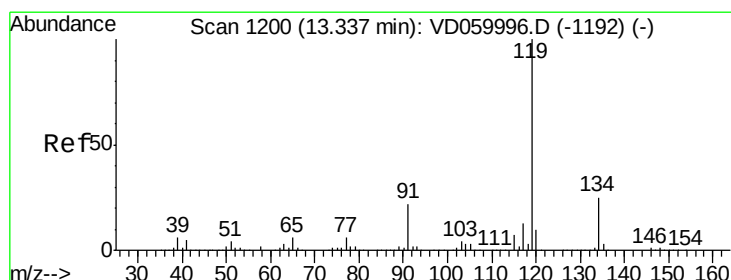
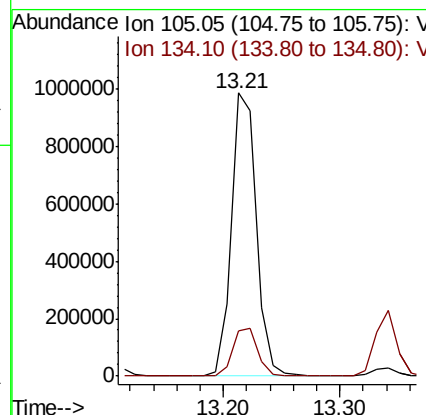
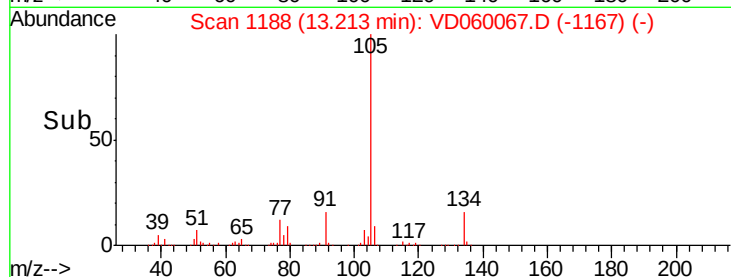
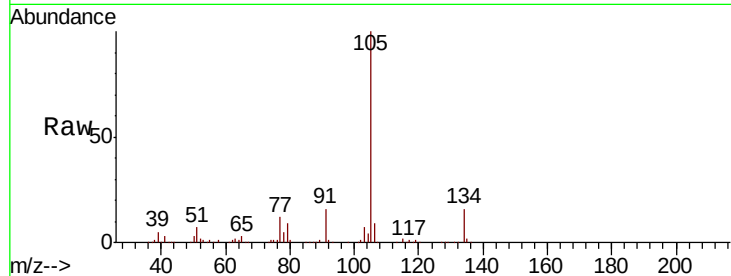
#85
 sec-Butylbenzene
 Concen: 21.714 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD060067.D
 Acq: 21 Sep 2018 13:14

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0921SBS01

Tot Ion:105 Resp: 1453592
 Ion Ratio Lower Upper
 105 100
 134 15.9 8.2 24.6

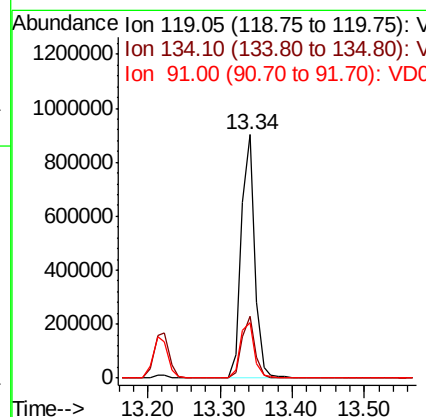
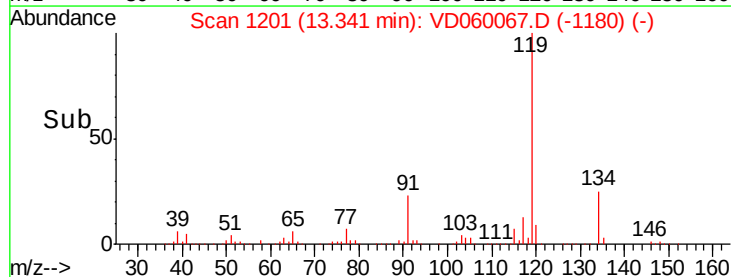
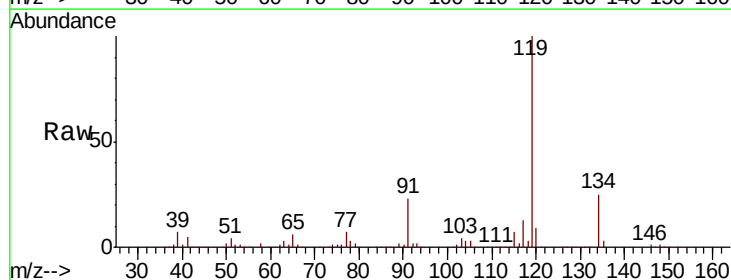
Manual Integrations
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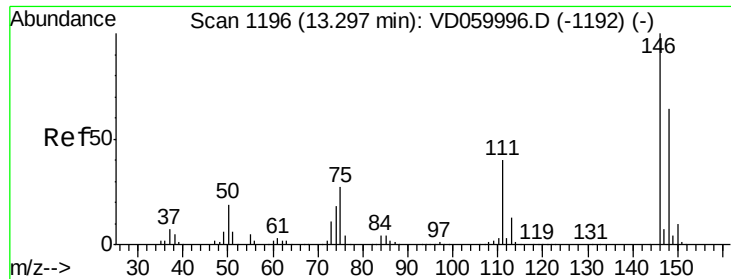
apatel
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#86
 p-Isopropyltoluene
 Concen: 21.789 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VD060067.D
 Acq: 21 Sep 2018 13:14

Tgt Ion:119 Resp: 1179715
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 22.7 11.1 33.3





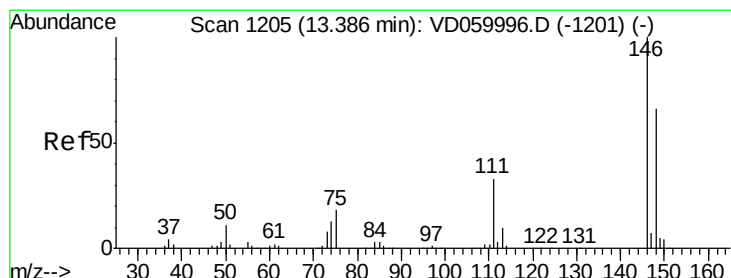
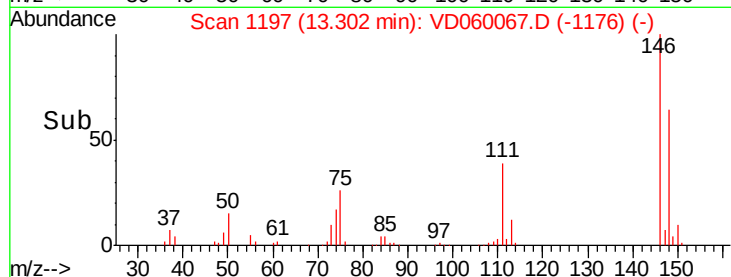
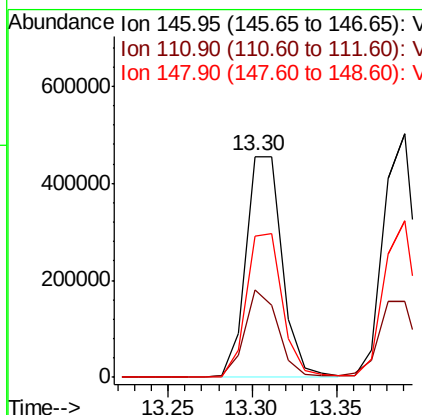
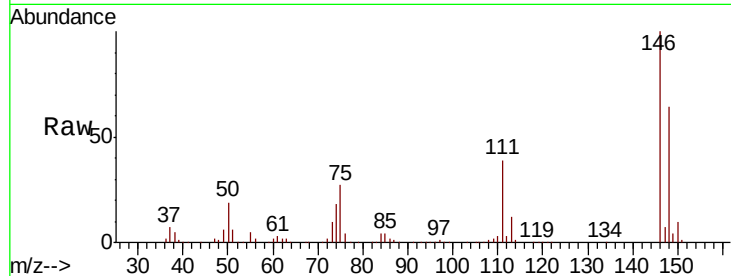
#87
 1,3-Dichlorobenzene
 Concen: 21.451 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060067.D
 Acq: 21 Sep 2018 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.2	60.5
148	63.8	32.0	96.2

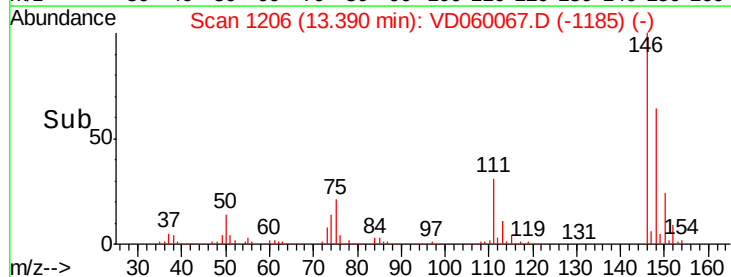
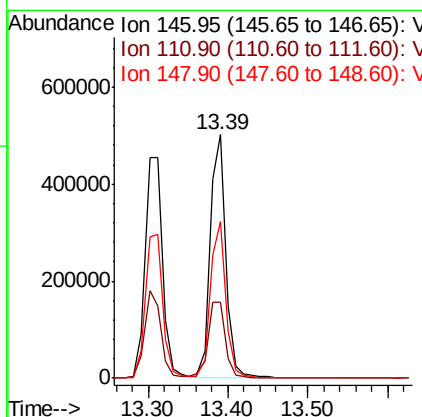
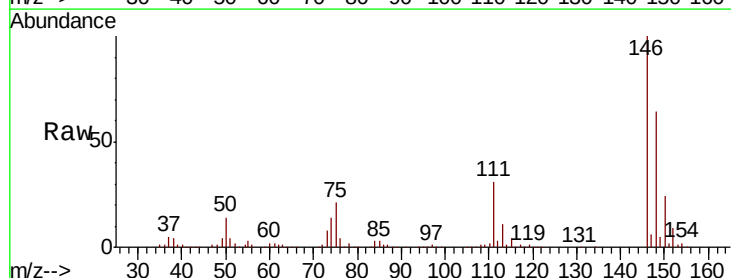
Manual Integrations
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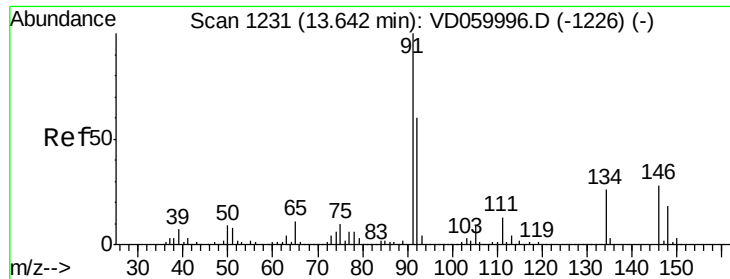
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 21.321 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VD060067.D
 Acq: 21 Sep 2018 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.4	16.7	50.0
148	64.4	32.9	98.6





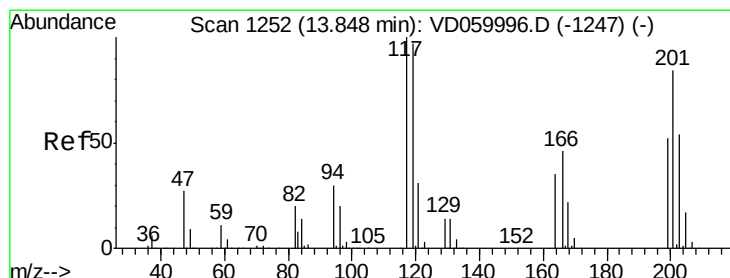
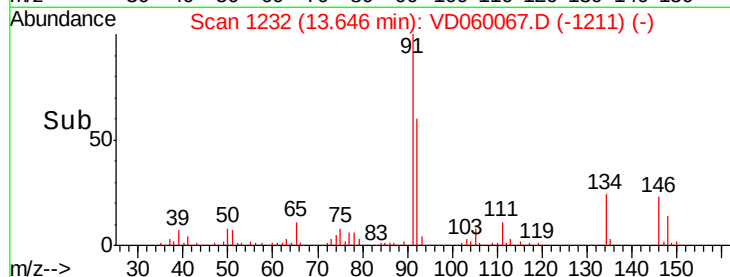
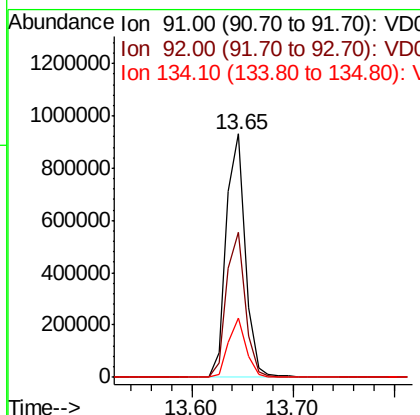
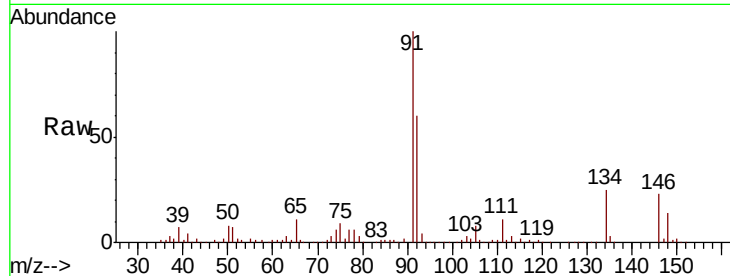
#89
n-Butylbenzene
Concen: 21.008 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion: 91 Resp: 1225083
Ion Ratio Lower Upper
91 100
92 59.6 29.8 89.3
134 24.5 13.2 39.6

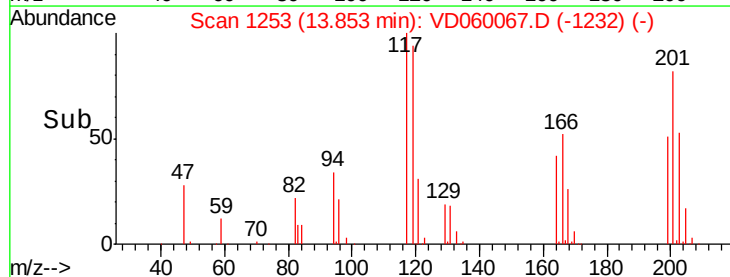
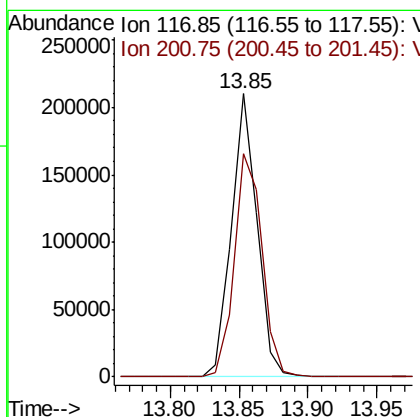
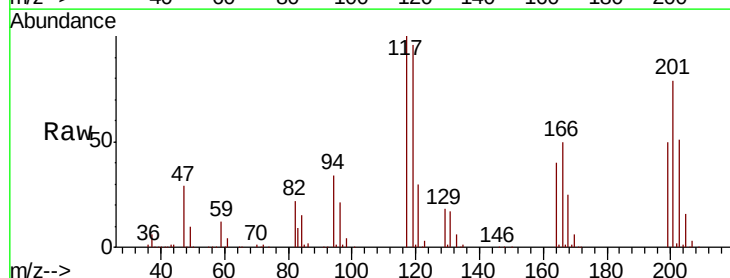
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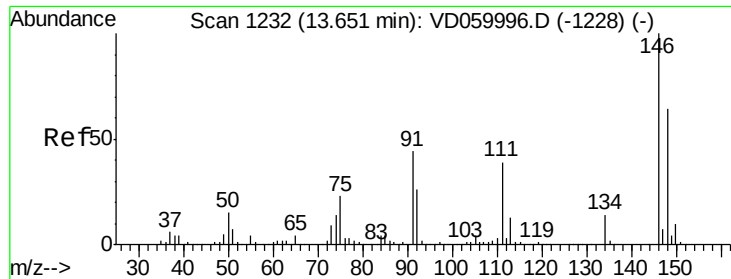
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#90
Hexachloroethane
Concen: 20.214 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion: 117 Resp: 271080
Ion Ratio Lower Upper
117 100
201 79.1 42.1 126.4





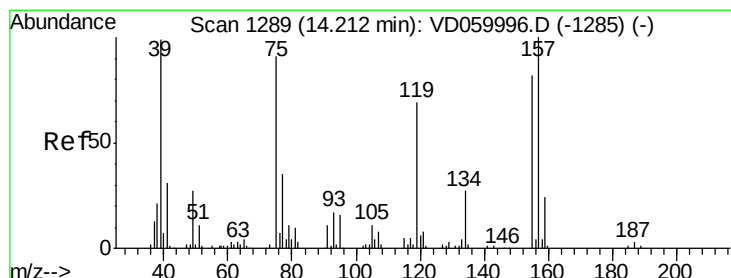
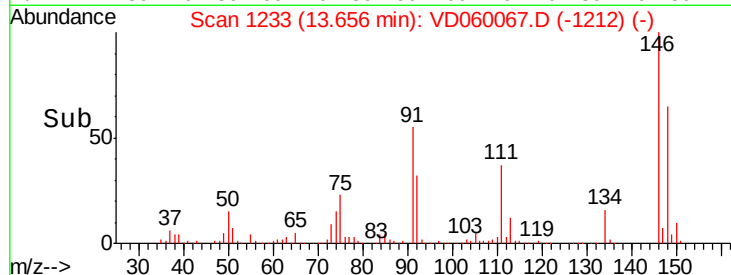
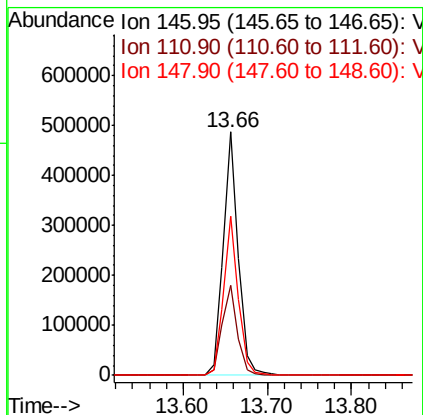
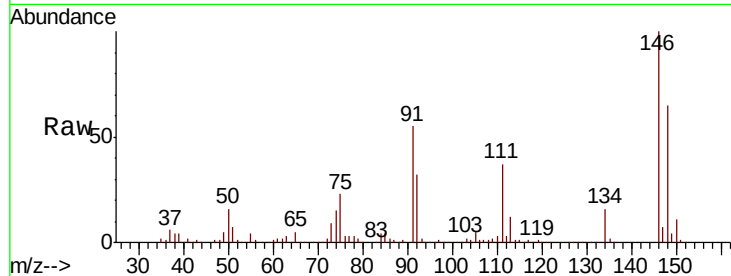
#91
 1,2-Dichlorobenzene
 Concen: 20.451 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD060067.D
 Acq: 21 Sep 2018 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.6	58.7
148	65.2	31.9	95.7

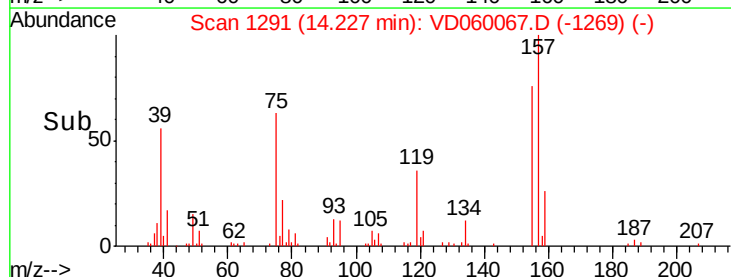
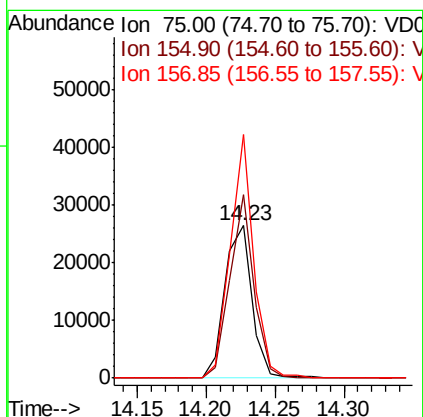
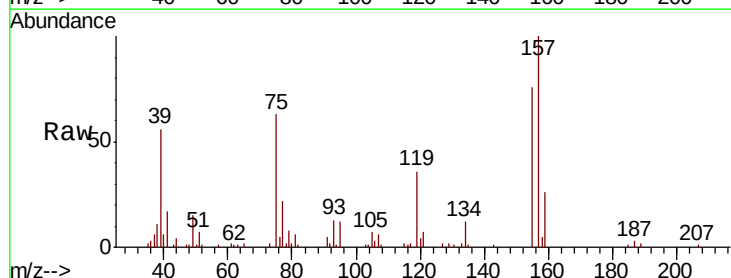
Manual Integrations
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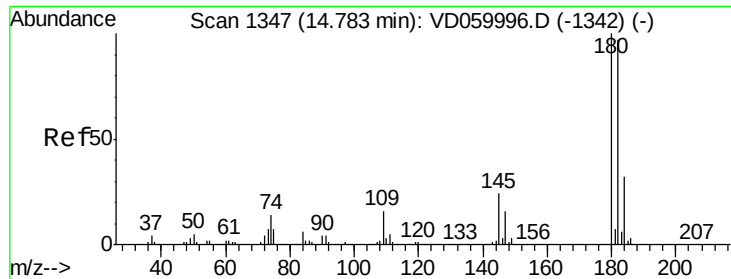
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.505 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060067.D
 Acq: 21 Sep 2018 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	120.7	44.7	134.1
157	159.9	54.7	164.1





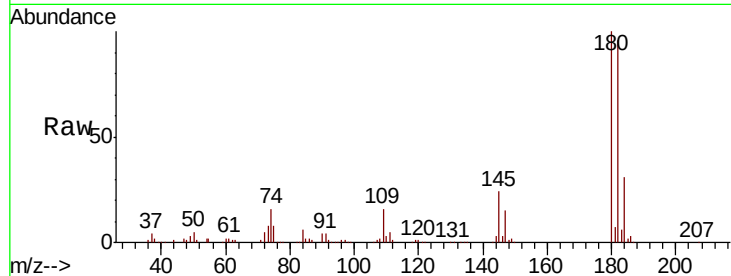
#93
 1,2,4-Trichlorobenzene
 Concen: 21.084 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VD060067.D
 Acq: 21 Sep 2018 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

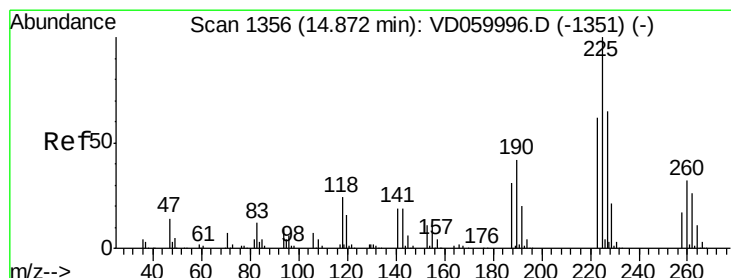
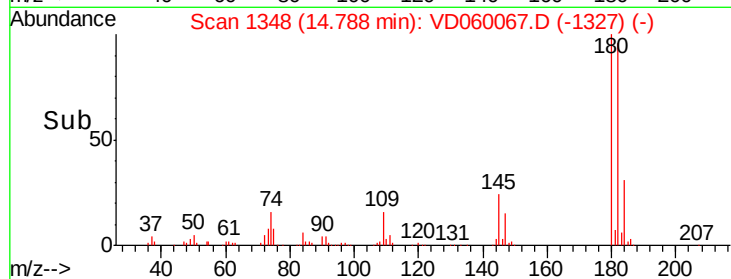
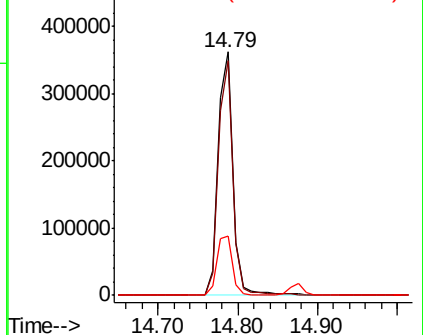
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.5	145.6
145	24.3	11.9	35.7

Manual Integrations
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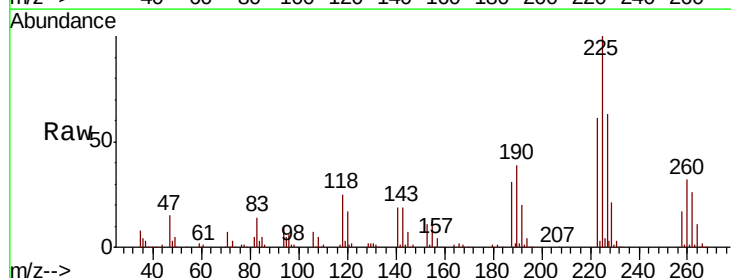


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

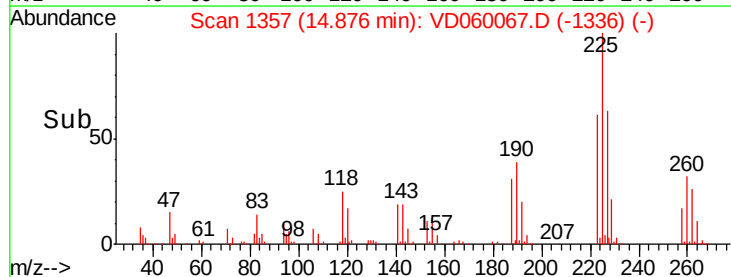
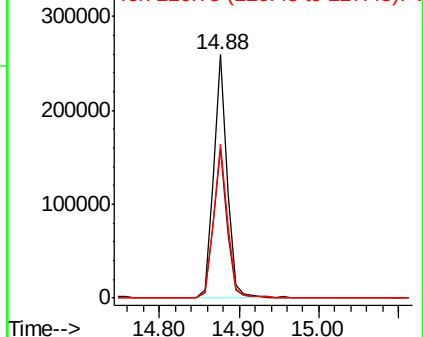


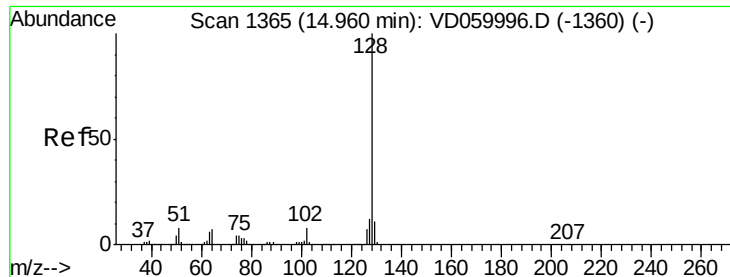
#94
 Hexachlorobutadiene
 Concen: 20.902 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VD060067.D
 Acq: 21 Sep 2018 13:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.2	93.6
227	63.1	32.3	96.8



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





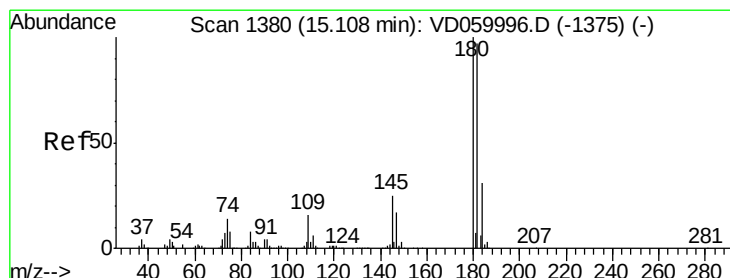
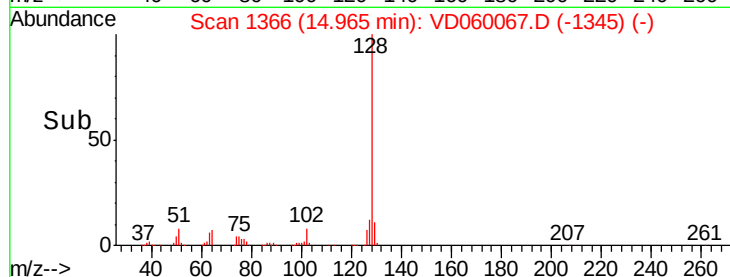
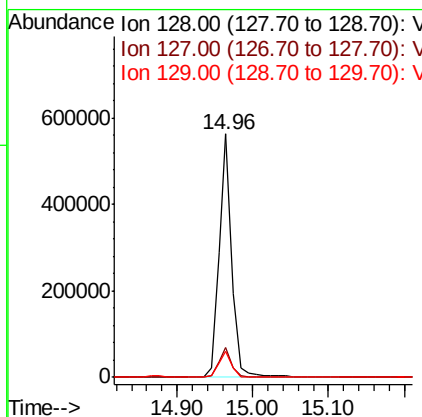
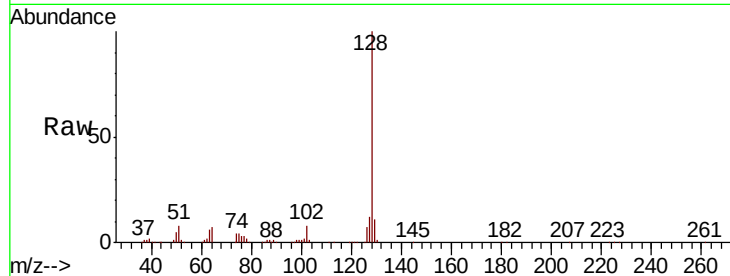
#95
Naphthalene
Concen: 19.063 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.00 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.7	14.5
129	10.6	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.126 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VD060067.D
Acq: 21 Sep 2018 13:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.6	145.9
145	26.2	12.7	38.1

