

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092418\
 Data File : VD060079.D
 Acq On : 24 Sep 2018 13:51
 Operator : VA/AP
 Sample : VD0924SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Manual Integrations
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 9/25/2018 3:31:04 PM

Quant Time: Sep 24 15:34:16 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	6.37	168	1571948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.41	114	2199965	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.26	117	1752807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	946425	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.75	65	648413	52.90	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.80%	
35) Dibromofluoromethane	6.29	113	892774	51.94	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	9.42	98	2470945	51.88	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.41	95	966147	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	295945	17.835	ug/l	99
3) Chloromethane	1.74	50	325283	22.193	ug/l	97
4) Vinyl Chloride	1.83	62	254315	21.584	ug/l	99
5) Bromomethane	2.11	94	20949	15.020	ug/l	84
6) Chloroethane	2.22	64	54347	20.631	ug/l	95
7) Trichlorofluoromethane	2.48	101	266107	20.513	ug/l	98
8) Diethyl Ether	2.79	74	61440	22.280	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.05	101	189148	23.123	ug/l	97
10) Methyl Iodide	3.21	142	174679	20.162	ug/l	95
11) Tert butyl alcohol	3.94	59	95012	96.054	ug/l	99
12) 1,1-Dichloroethene	3.04	96	152066	23.511	ug/l	97
13) Acrolein	2.95	56	49418	80.677	ug/l	95
14) Allyl chloride	3.50	41	316553	23.207	ug/l	98
15) Acrylonitrile	4.05	53	413995	110.879	ug/l	98
16) Acetone	3.13	43	298753	126.229	ug/l	99
17) Carbon Disulfide	3.27	76	472510	21.203	ug/l	99
18) Methyl Acetate	3.52	43	116569	24.218	ug/l	98
19) Methyl tert-butyl Ether	4.09	73	661590	22.138	ug/l	99
20) Methylene Chloride	3.68	84	412662	20.210	ug/l	98
21) trans-1,2-Dichloroethene	4.06	96	370828	21.848	ug/l	99
22) Diisopropyl ether	4.82	45	1348809	21.678	ug/l	98
23) Vinyl Acetate	4.77	43	3898829	110.607	ug/l	98
24) 1,1-Dichloroethane	4.72	63	596306	21.356	ug/l	100
25) 2-Butanone	5.59	43	815499	127.688	ug/l	100
26) 2,2-Dichloropropane	5.55	77	477965	22.018	ug/l	100
27) cis-1,2-Dichloroethene	5.56	96	397825	22.407	ug/l	100
28) Bromochloromethane	5.89	49	283687	21.137	ug/l	98
29) Tetrahydrofuran	5.92	42	361223	105.464	ug/l	100
30) Chloroform	6.07	83	623718	22.027	ug/l	98
31) Cyclohexane	6.33	56	564414	20.732	ug/l	99
32) 1,1,1-Trichloroethane	6.26	97	510607	21.742	ug/l	99
36) 1,1-Dichloropropene	6.49	75	463692	21.218	ug/l	97
37) Ethyl Acetate	5.67	43	317812	21.148	ug/l	99
38) Carbon Tetrachloride	6.46	117	420935	20.634	ug/l	98

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Quant Time: Sep 24 15:34:16 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)
39) Methylcyclohexane	8.01	83	528676	21.386	ug/l	99
40) Benzene	6.76	78	1190939	21.382	ug/l	100
41) Methacrylonitrile	5.90	41	172456m	21.910	ug/l	
42) 1,2-Dichloroethane	6.87	62	346697	20.730	ug/l	100
43) Isopropyl Acetate	8.32	43	405890	20.172	ug/l	96
44) Trichloroethene	7.71	130	363707	21.135	ug/l	99
45) 1,2-Dichloropropane	8.08	63	316824	21.272	ug/l	96
46) Dibromomethane	8.18	93	207209	21.323	ug/l	97
47) Bromodichloromethane	8.46	83	441354	21.066	ug/l	100
48) Methyl methacrylate	8.21	41	235734	21.036	ug/l	98
49) 1,4-Dioxane	8.20	88	46926	421.602	ug/l	97
51) 4-Methyl-2-Pentanone	9.32	43	1671795	114.446	ug/l	98
52) Toluene	9.52	92	786156	22.020	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	413566	21.164	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	491730	21.062	ug/l	100
55) 1,1,2-Trichloroethane	10.15	97	255300	20.596	ug/l	97
56) Ethyl methacrylate	10.01	69	285252	20.747	ug/l	99
57) 1,3-Dichloropropane	10.36	76	385632	21.076	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.89	63	689360	103.830	ug/l	97
59) 2-Hexanone	10.47	43	1244215	118.979	ug/l	100
60) Dibromochloromethane	10.62	129	317335	21.033	ug/l	99
61) 1,2-Dibromoethane	10.73	107	275929	21.560	ug/l	95
64) Tetrachloroethene	10.23	164	341116	22.057	ug/l	98
65) Chlorobenzene	11.29	112	864131	22.931	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.40	131	293771	23.113	ug/l	98
67) Ethyl Benzene	11.41	91	1450404	23.916	ug/l	98
68) m/p-Xylenes	11.55	106	1084723	48.430	ug/l	99
69) o-Xylene	11.91	106	512868	23.110	ug/l	96
70) Styrene	11.94	104	883508	23.677	ug/l	100
71) Bromoform	12.10	173	224718	20.578	ug/l	100
73) Isopropylbenzene	12.26	105	1418050	22.846	ug/l	99
74) N-amyl acetate	12.12	43	539394	21.938	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.54	83	318772	22.638	ug/l	98
76) 1,2,3-Trichloropropane	12.58	75	301244	20.841	ug/l	100
77) Bromobenzene	12.52	156	401921	22.479	ug/l	97
78) n-propylbenzene	12.62	91	1796245	23.012	ug/l	98
79) 2-Chlorotoluene	12.69	91	998204	22.658	ug/l	100
80) 1,3,5-Trimethylbenzene	12.78	105	1149945	24.171	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	87115	19.965	ug/l	94
82) 4-Chlorotoluene	12.79	91	1132162	23.374	ug/l	98
83) tert-Butylbenzene	13.04	119	1259357	22.849	ug/l	99
84) 1,2,4-Trimethylbenzene	13.08	105	1151839	22.688	ug/l	98
85) sec-Butylbenzene	13.20	105	1515064	23.157	ug/l	99
86) p-Isopropyltoluene	13.33	119	1239982	23.433	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	705718	22.697	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	710128	22.517	ug/l	98
89) n-Butylbenzene	13.64	91	1203974	21.146	ug/l	98
90) Hexachloroethane	13.84	117	275279	21.003	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	608683	21.273	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	40006	18.637	ug/l	62

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VD0924SBSD01

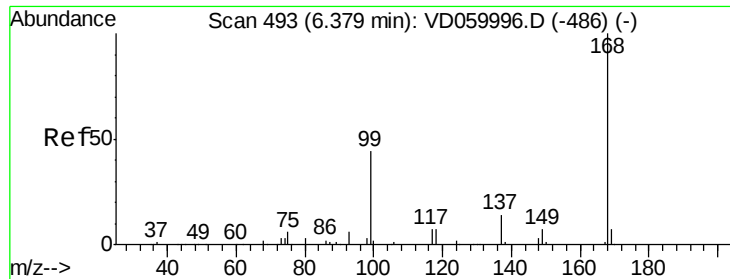
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	494453	22.316	ug/l	100
94) Hexachlorobutadiene	14.87	225	322412	21.997	ug/l	99
95) Naphthalene	14.96	128	733505	21.436	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	418291	21.422	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBSD01

Tot Ion:168 Resp: 1571948

Ion Ratio Lower Upper

168 100

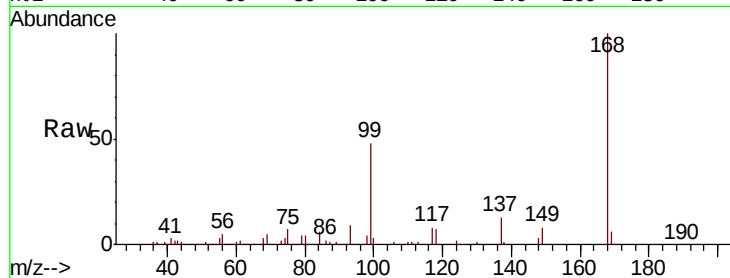
99 48.0 38.5 57.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.37

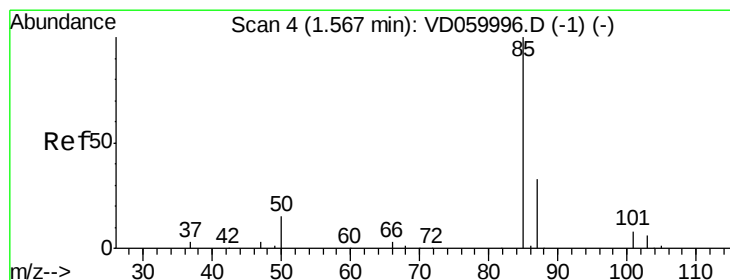
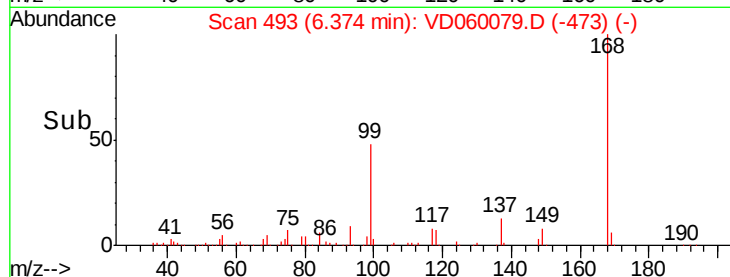
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400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.835 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.00 min

Lab File: VD060079.D

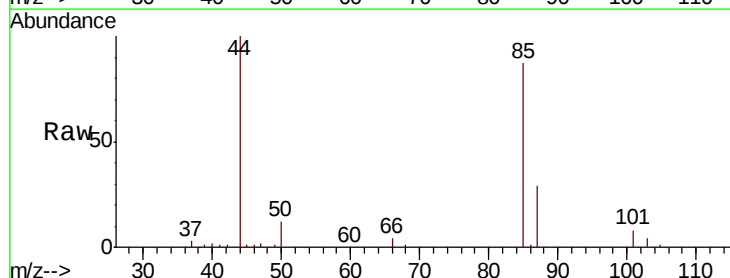
Acq: 24 Sep 2018 13:51

Tgt Ion: 85 Resp: 295945

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

120000

100000

80000

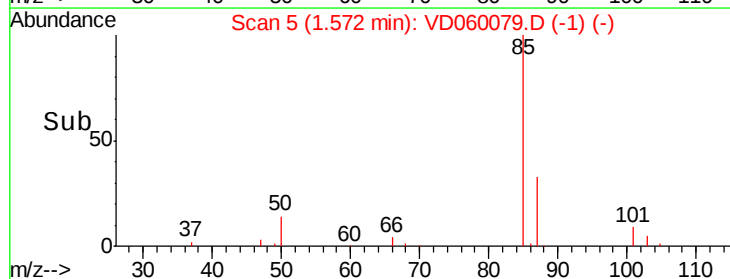
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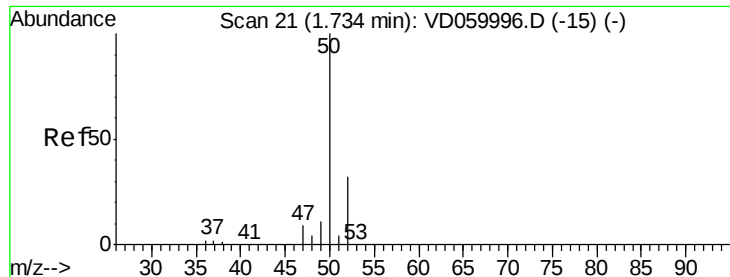
40000

20000

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Time-->





#3

Chloromethane

Concen: 22.193 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.00 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 50 Resp: 325283

Ion Ratio Lower Upper

50 100

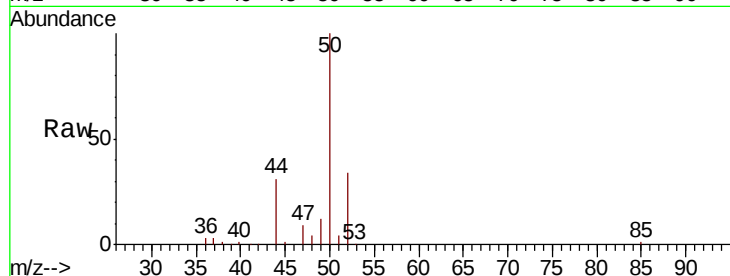
52 33.6 25.4 38.2

Manual Integrations

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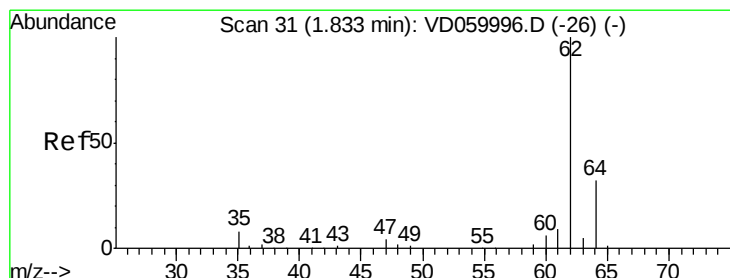
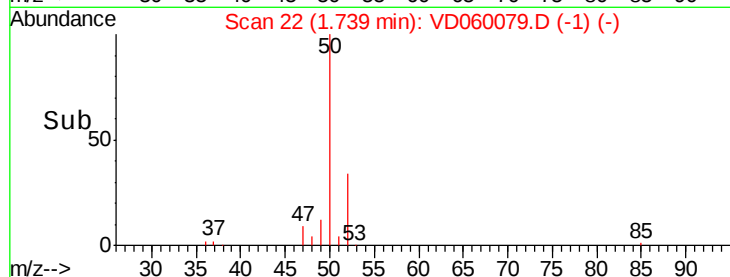
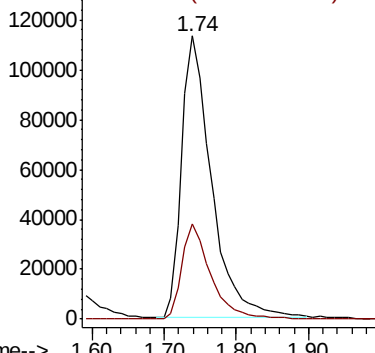
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.584 ug/l

RT: 1.83 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD060079.D

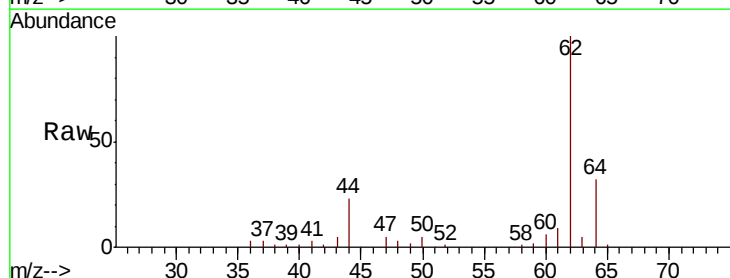
Acq: 24 Sep 2018 13:51

Tgt Ion: 62 Resp: 254315

Ion Ratio Lower Upper

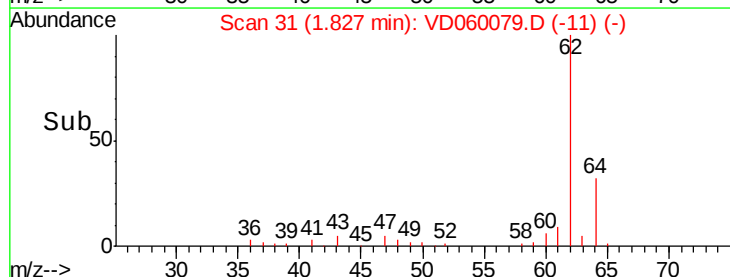
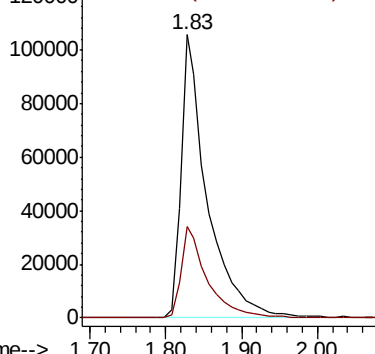
62 100

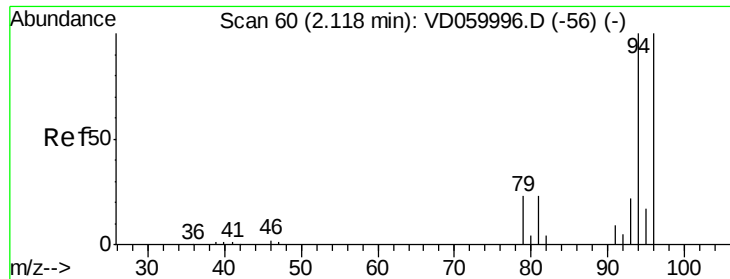
64 32.2 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.020 ug/l

RT: 2.11 min Scan# 60

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBSD01

Tot Ion: 94 Resp: 20949

Ion Ratio Lower Upper

94 100

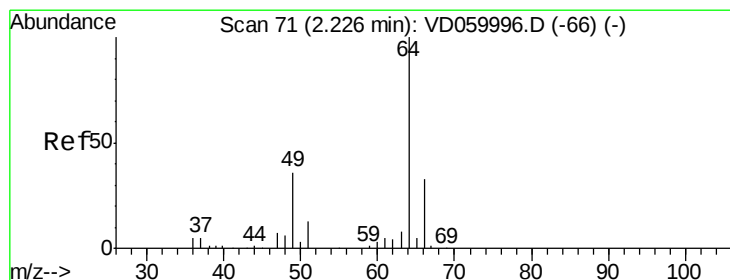
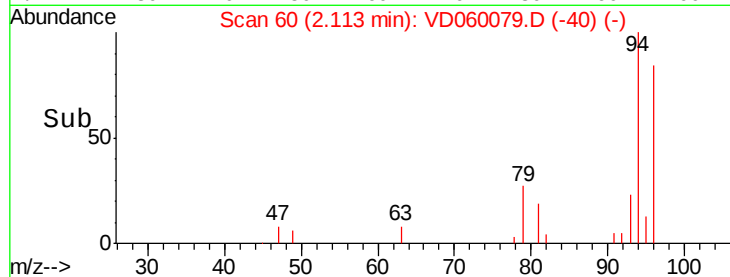
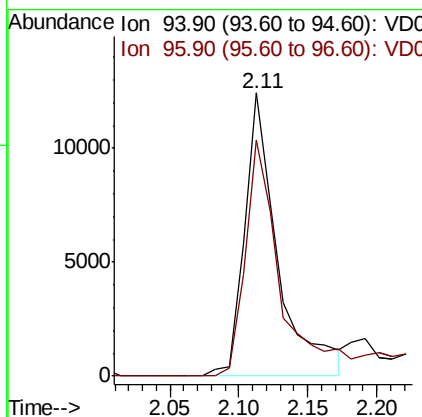
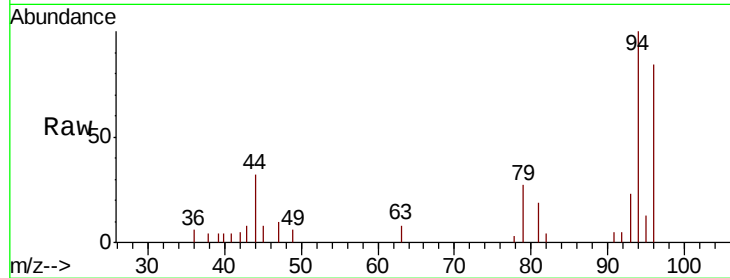
96 83.5 79.8 119.8

Manual Integrations

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#6

Chloroethane

Concen: 20.631 ug/l

RT: 2.22 min Scan# 71

Delta R.T. -0.01 min

Lab File: VD060079.D

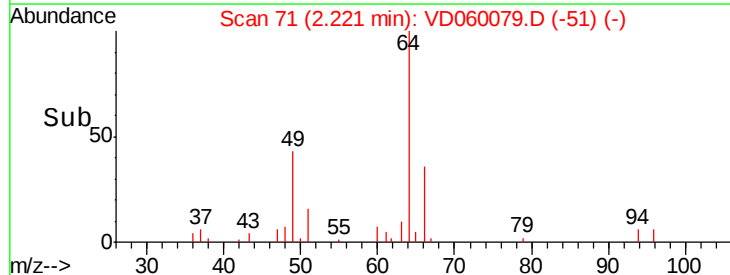
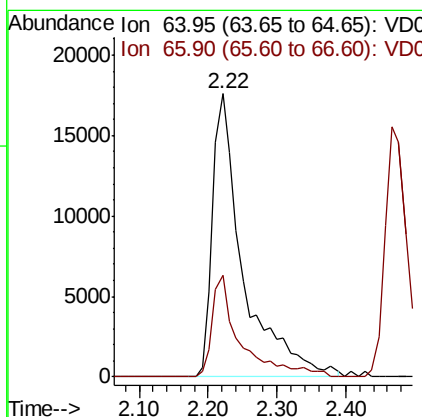
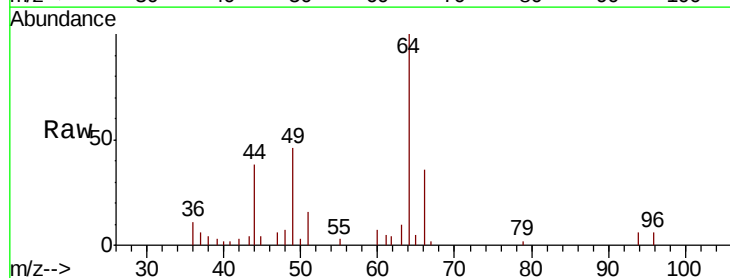
Acq: 24 Sep 2018 13:51

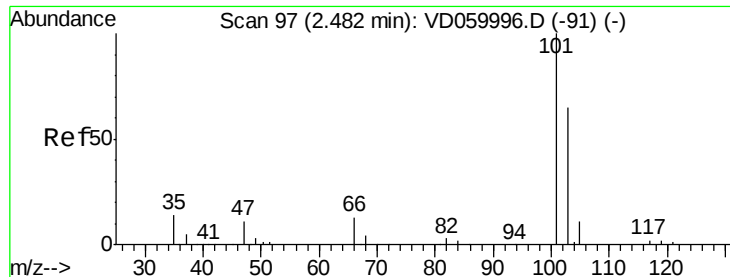
Tgt Ion: 64 Resp: 54347

Ion Ratio Lower Upper

64 100

66 35.7 26.5 39.7





#7

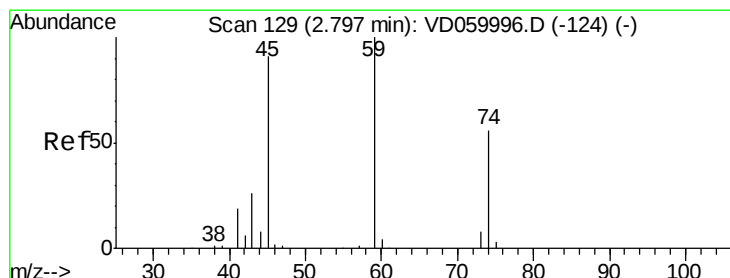
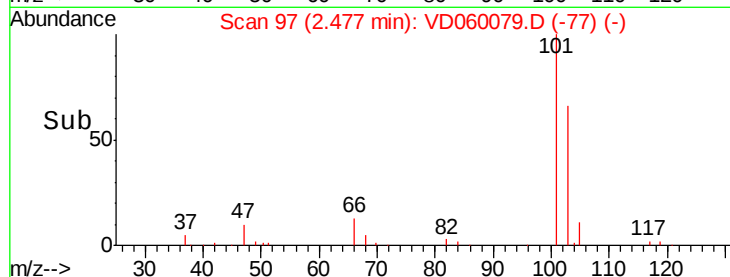
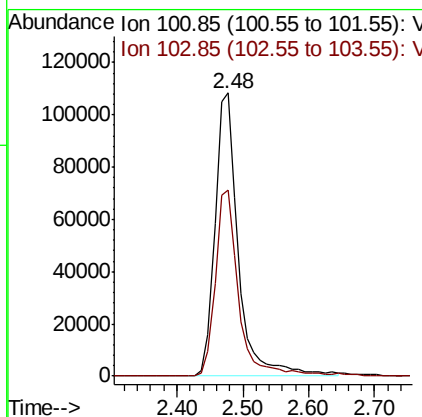
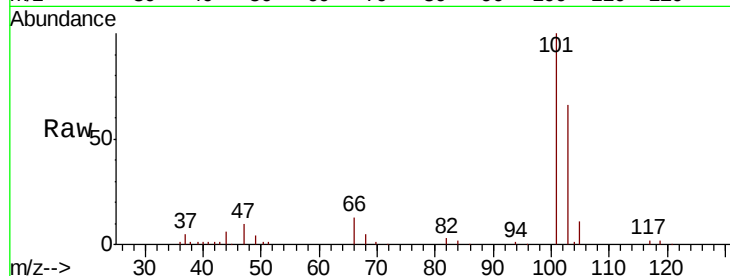
Trichlorofluoromethane
 Concen: 20.513 ug/l
 RT: 2.48 min Scan# 97
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Instrument :
 MSVOA_D
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 VD0924SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.6	77.4

Manual Integrations
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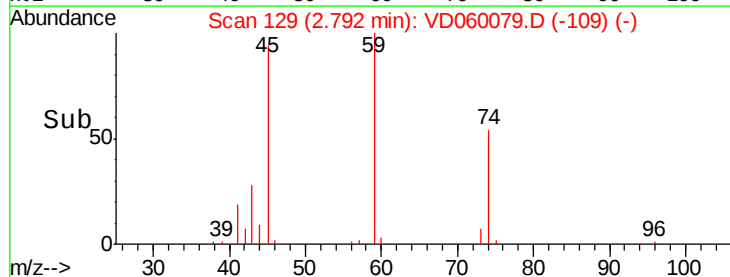
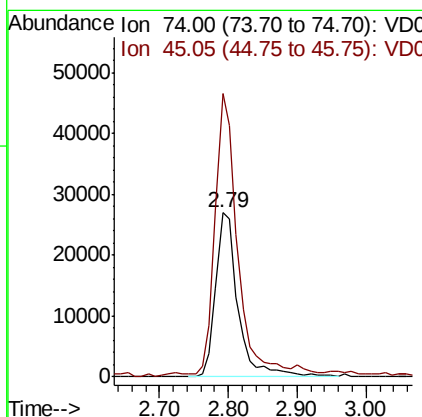
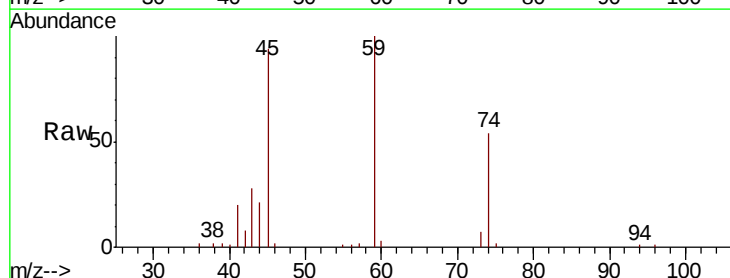
apatel
 9/25/2018 3:31:04 PM

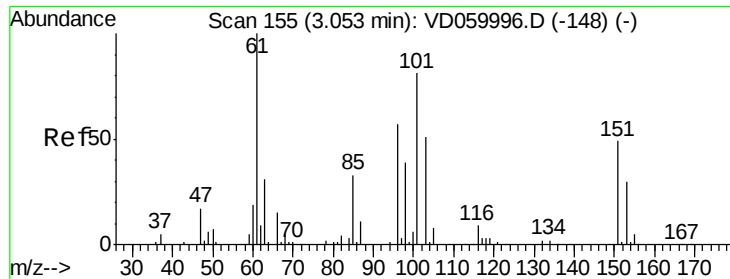


#8

Diethyl Ether
 Concen: 22.280 ug/l
 RT: 2.79 min Scan# 129
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	172.5	81.2	243.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.123 ug/l

RT: 3.05 min Scan# 155

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

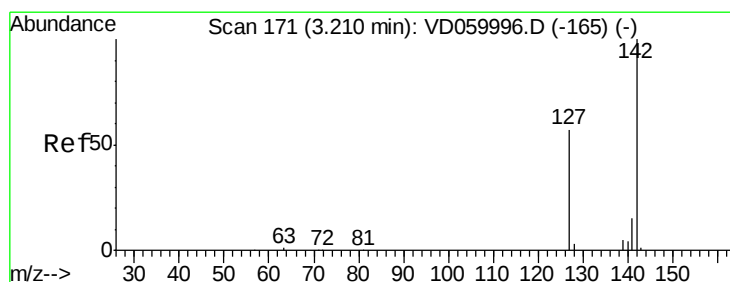
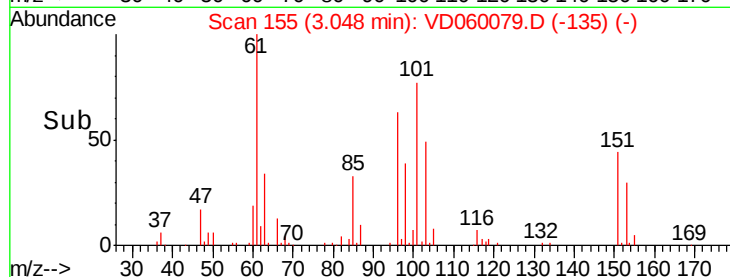
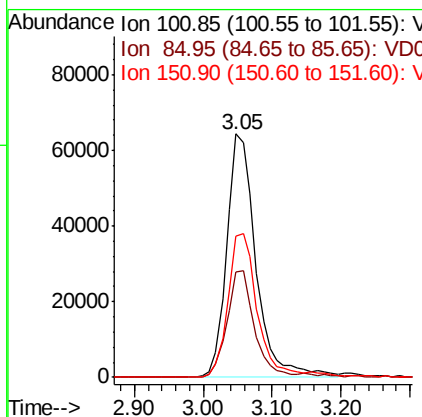
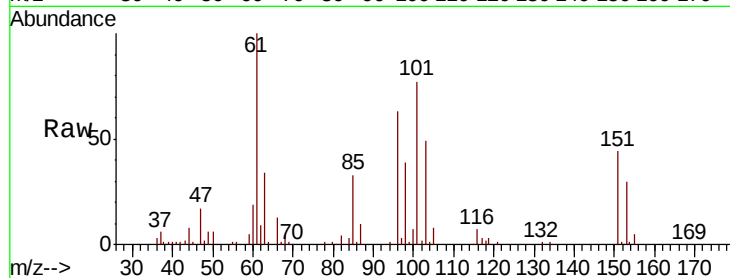
ClientSampleId :

VD0924SBS01

Tot Ion:	101	Resp:	189148
Ion Ratio	Lower	Upper	
101	100		
85	43.1	33.1	49.7
151	57.9	48.2	72.4

Manual Integrations
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#10

Methyl Iodide

Concen: 20.162 ug/l

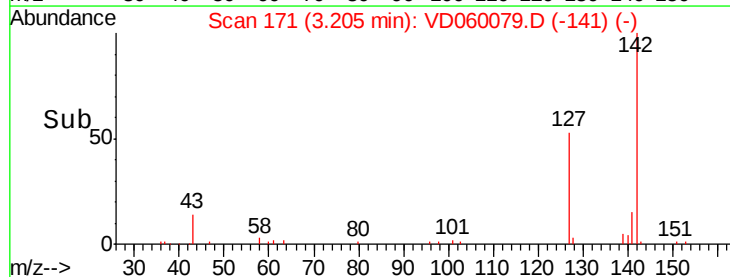
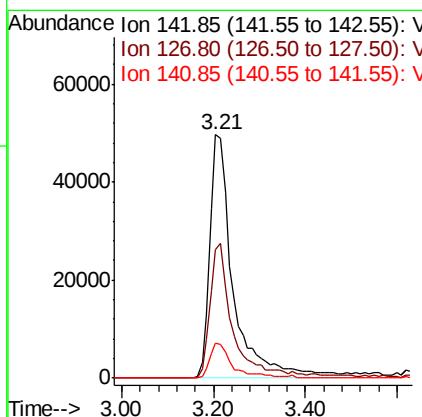
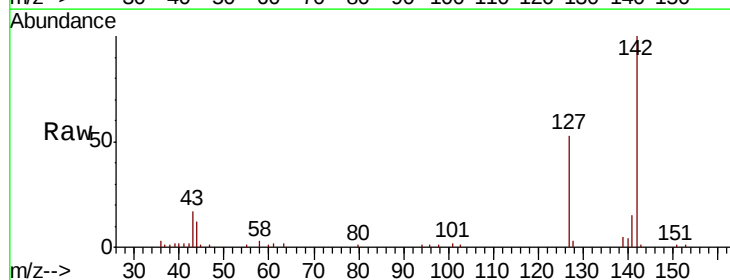
RT: 3.21 min Scan# 171

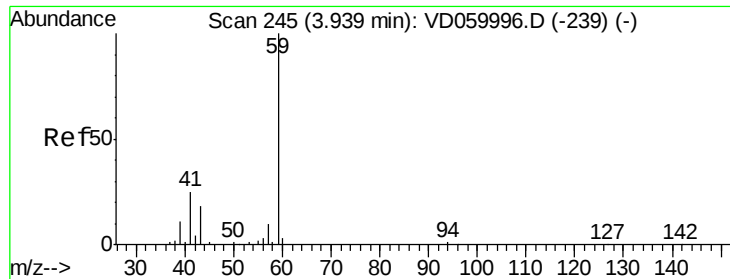
Delta R.T. -0.00 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Tgt Ion:	142	Resp:	174679
Ion Ratio	Lower	Upper	
142	100		
127	52.9	45.8	68.8
141	14.5	12.2	18.4





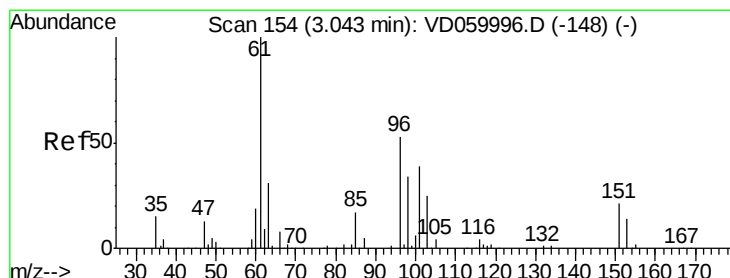
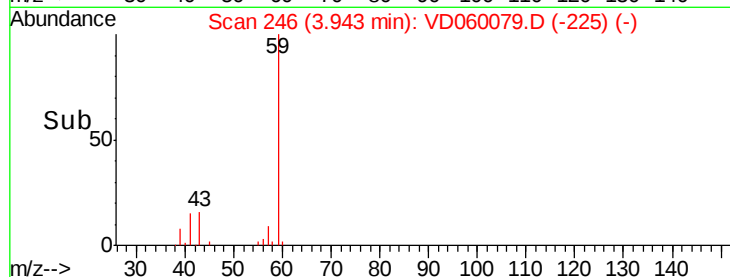
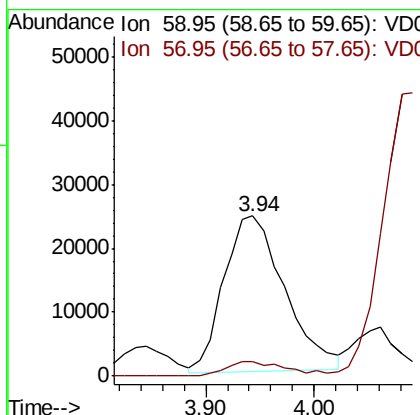
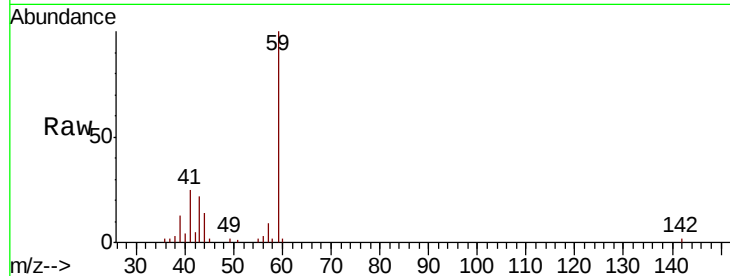
#11
Tert butyl alcohol
Concen: 96.054 ug/l
RT: 3.94 min Scan# 246
Delta R.T. 0.00 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBSD01

Tot Ion	59	Resp	95012
Ion Ratio	100	Lower	Upper
59	100		
57	8.8	7.4	11.2

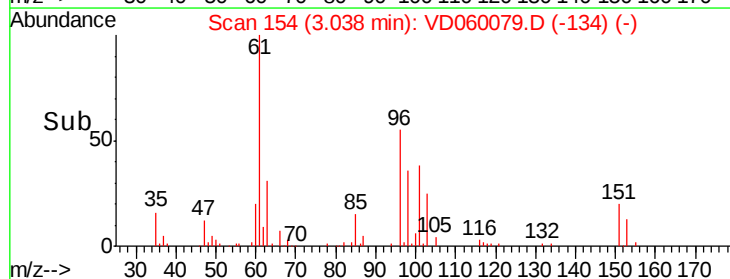
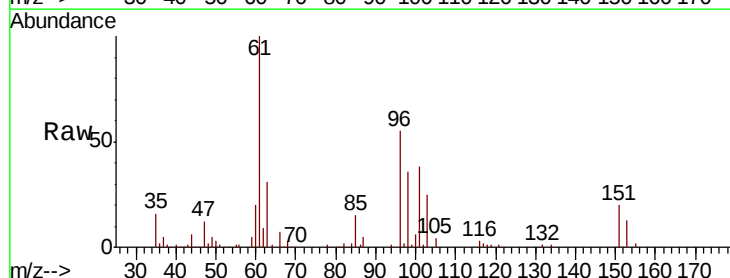
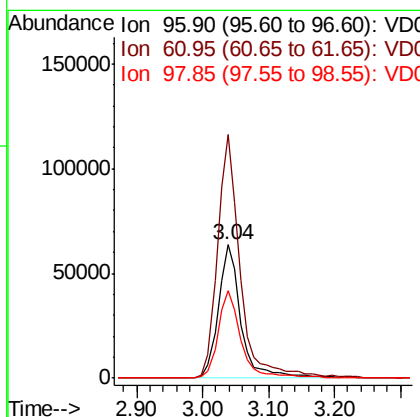
Manual Integrations
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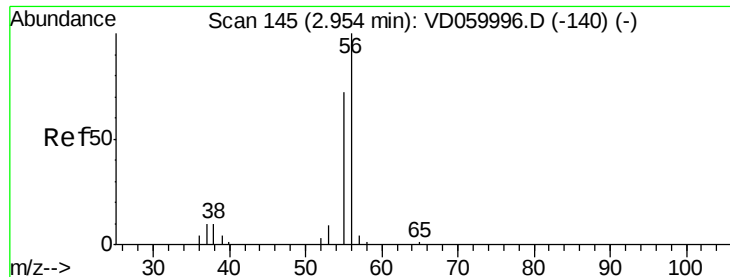
apatel
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#12
1,1-Dichloroethene
Concen: 23.511 ug/l
RT: 3.04 min Scan# 154
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion	96	Resp	152066
Ion Ratio	100	Lower	Upper
96	100		
61	183.2	149.8	224.6
98	66.3	50.2	75.4





#13

Acrolein

Concen: 80.677 ug/l

RT: 2.95 min Scan# 145

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBSD01

Tot Ion: 56 Resp: 49418

Ion Ratio Lower Upper

56 100

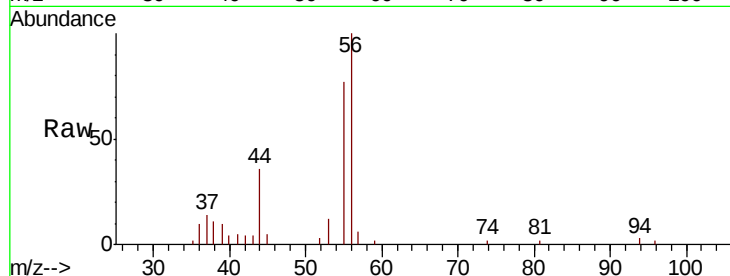
55 77.2 58.3 87.5

Manual Integrations

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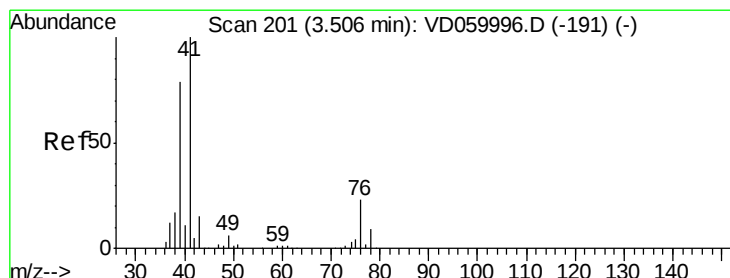
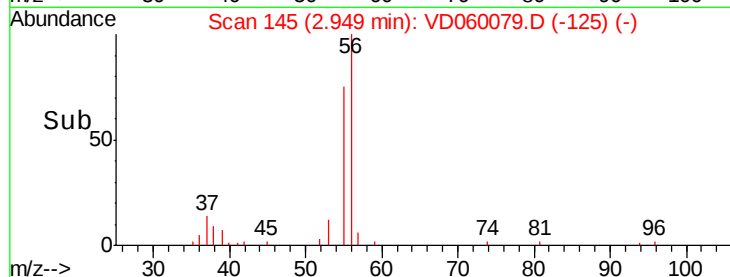
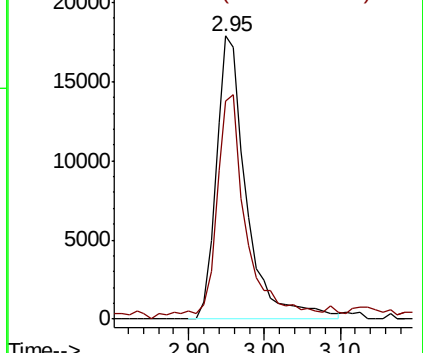
apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 23.207 ug/l

RT: 3.50 min Scan# 201

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

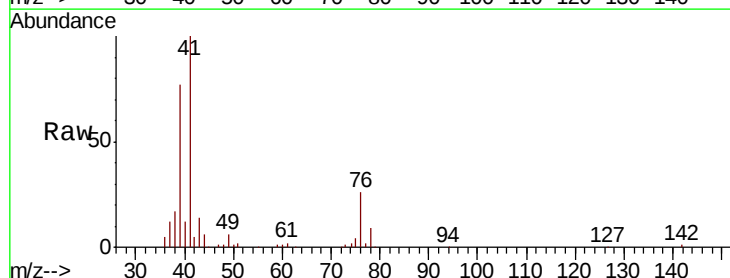
Tgt Ion: 41 Resp: 316553

Ion Ratio Lower Upper

41 100

39 77.3 63.6 95.4

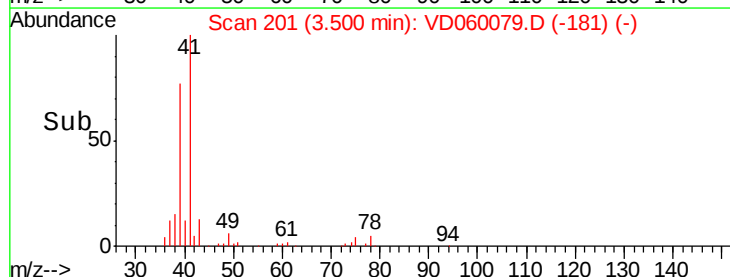
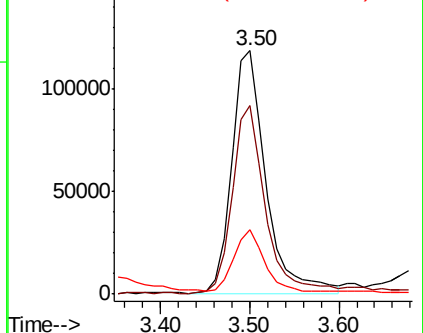
76 26.2 21.1 31.7

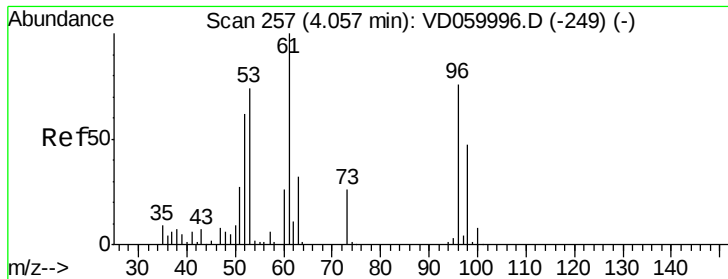


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





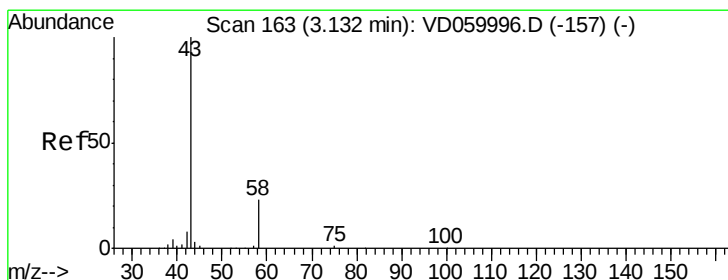
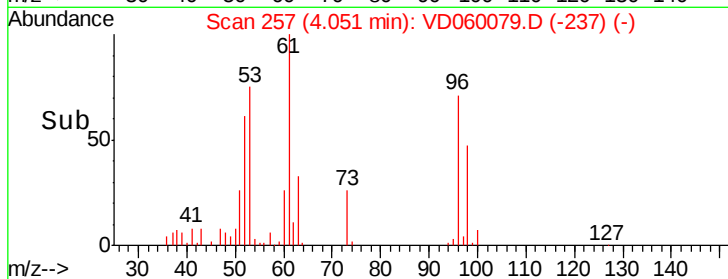
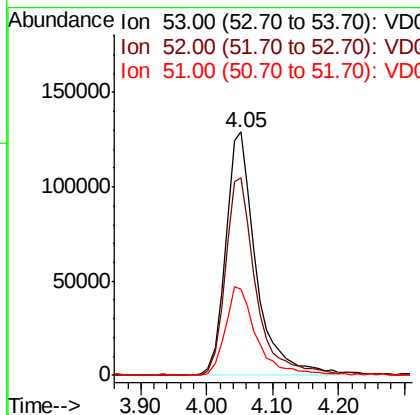
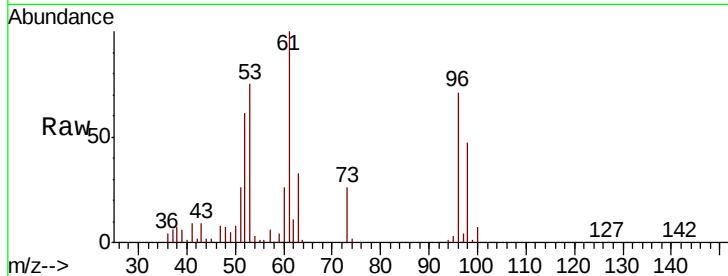
#15
 Acrylonitrile
 Concen: 110.879 ug/l
 RT: 4.05 min Scan# 257
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.7	100.1
51	35.2	29.0	43.6

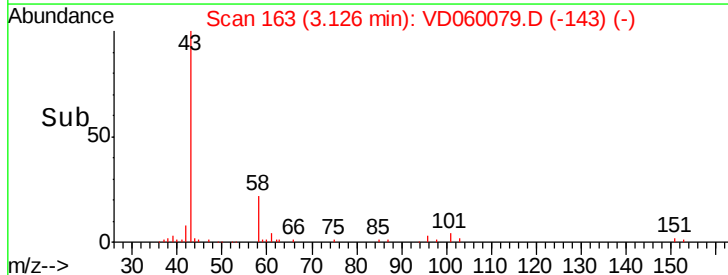
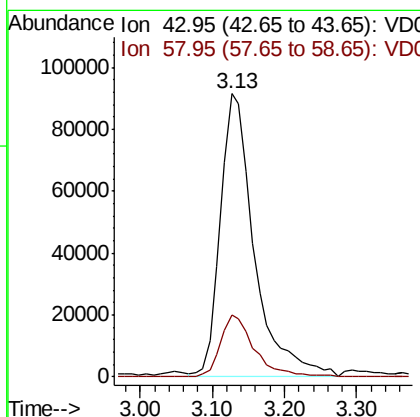
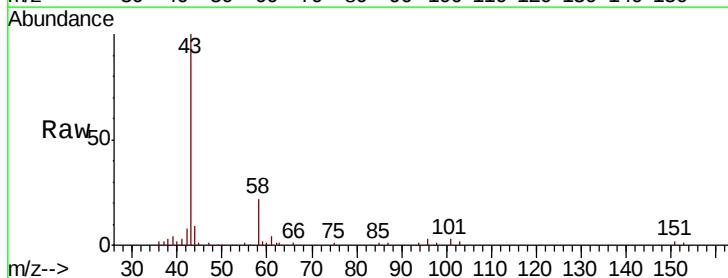
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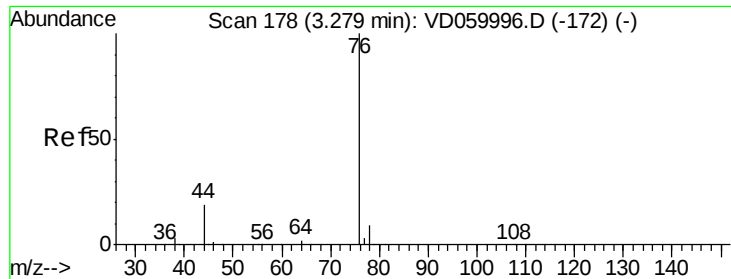
apatel
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#16
 Acetone
 Concen: 126.229 ug/l
 RT: 3.13 min Scan# 163
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	22.0	18.1	27.1





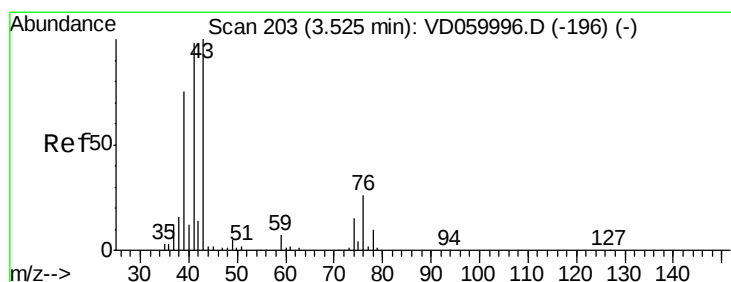
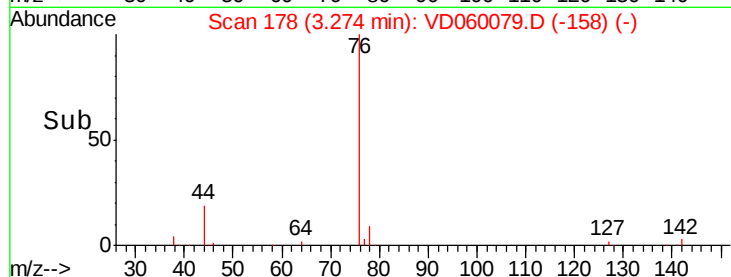
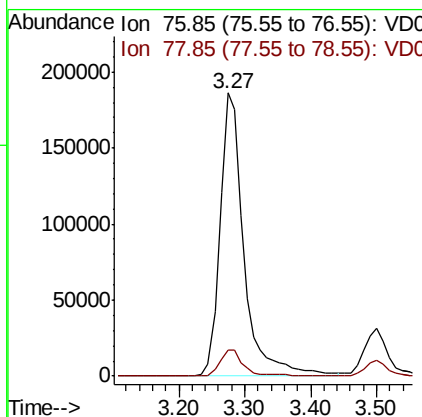
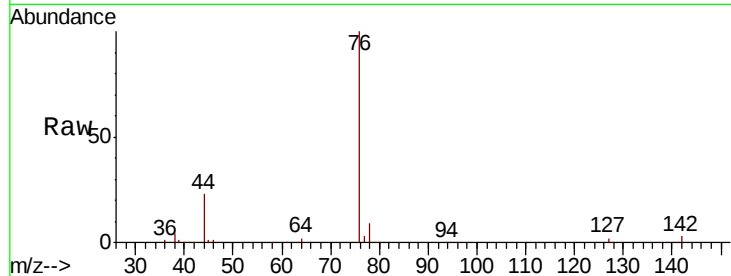
#17
Carbon Disulfide
Concen: 21.203 ug/l
RT: 3.27 min Scan# 178
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4

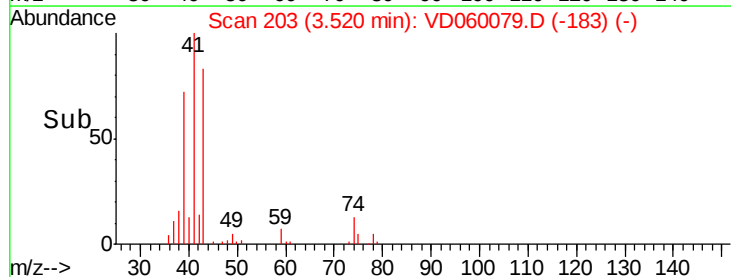
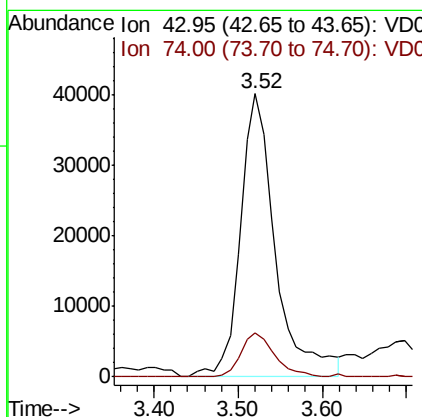
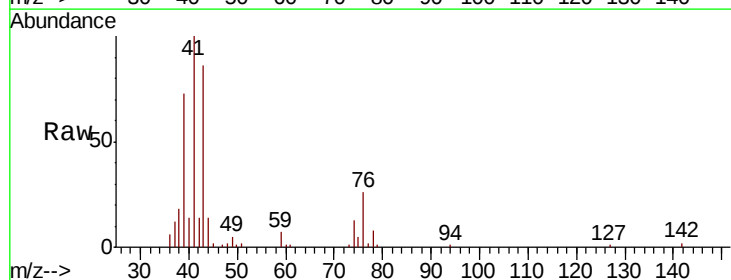
Manual Integrations
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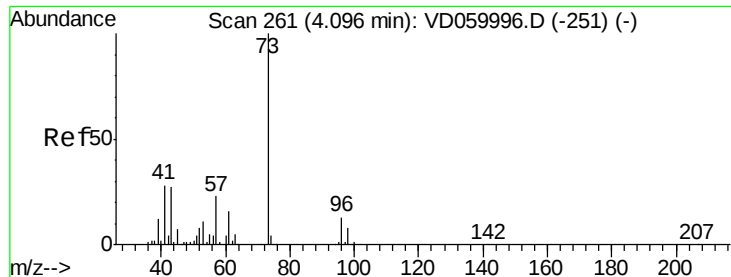
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#18
Methyl Acetate
Concen: 24.218 ug/l
RT: 3.52 min Scan# 203
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.4	11.8	17.8





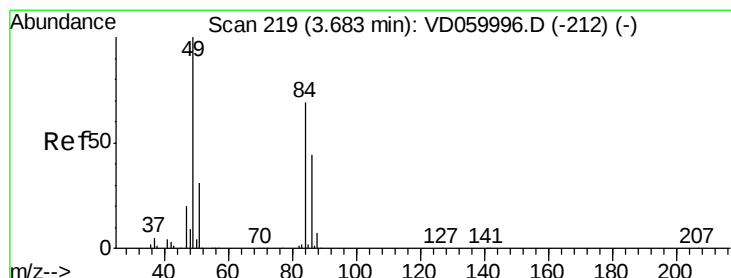
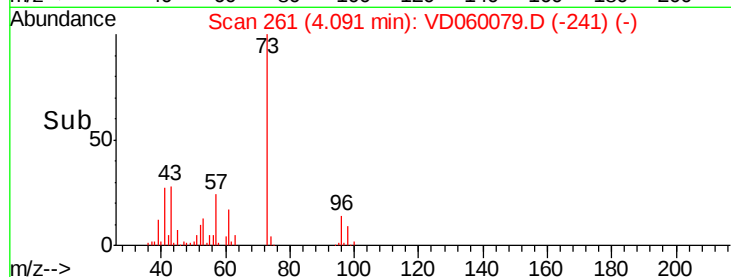
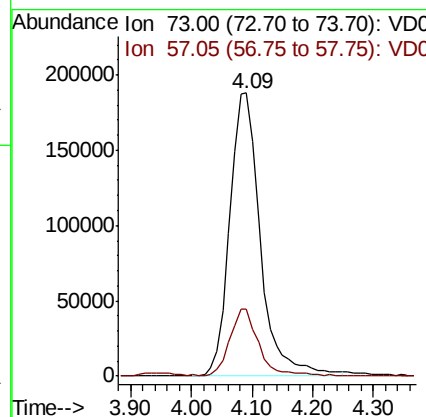
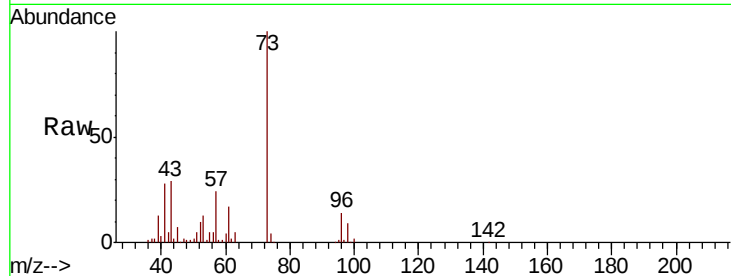
#19
Methvl tert-butvl Ether
Concen: 22.138 ug/l
RT: 4.09 min Scan# 261
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBSD01

Tot Ion: 73 Resp: 661590
Ion Ratio Lower Upper
73 100
57 23.6 18.4 27.6

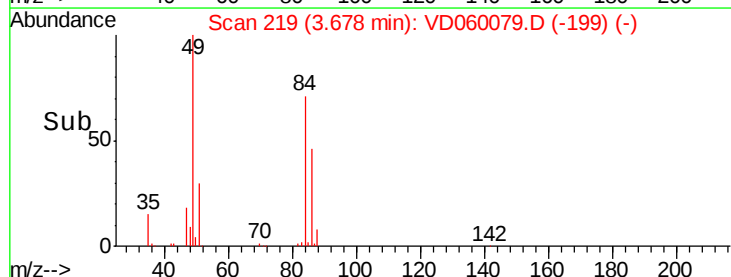
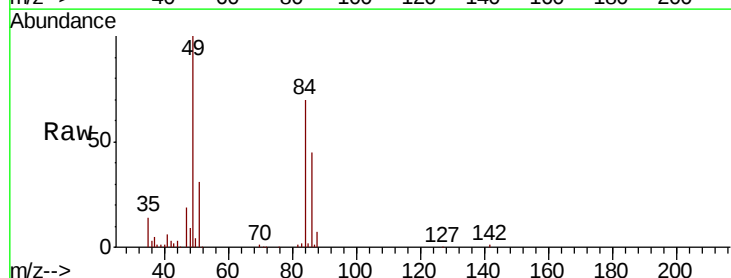
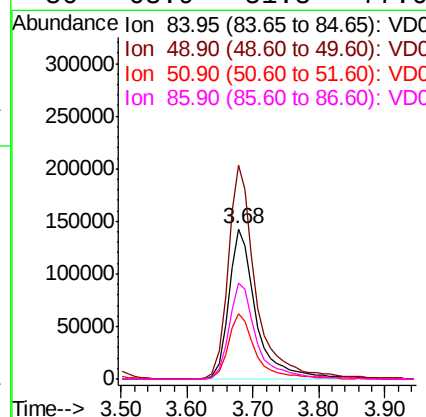
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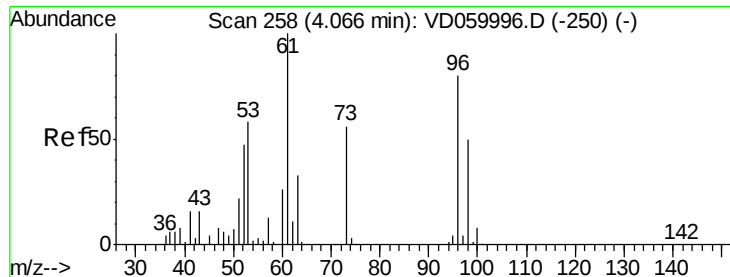
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#20
Methylene Chloride
Concen: 20.210 ug/l
RT: 3.68 min Scan# 219
Delta R.T. -0.00 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion: 84 Resp: 412662
Ion Ratio Lower Upper
84 100
49 142.6 116.6 175.0
51 43.7 35.9 53.9
86 63.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 21.848 ug/l

RT: 4.06 min Scan# 258

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 96 Resp: 370828

Ion Ratio Lower Upper

96 100

61 124.0 100.1 150.1

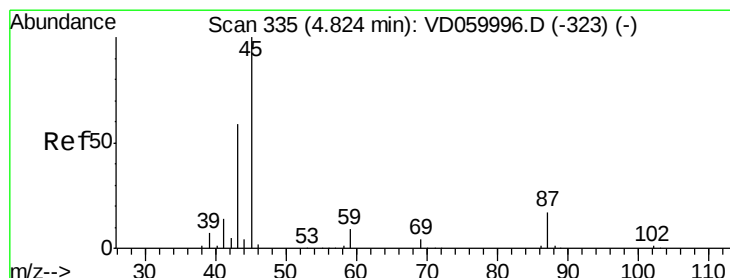
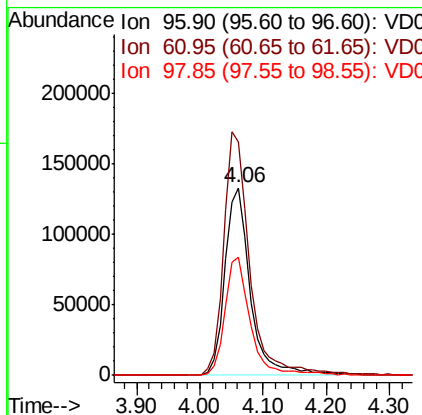
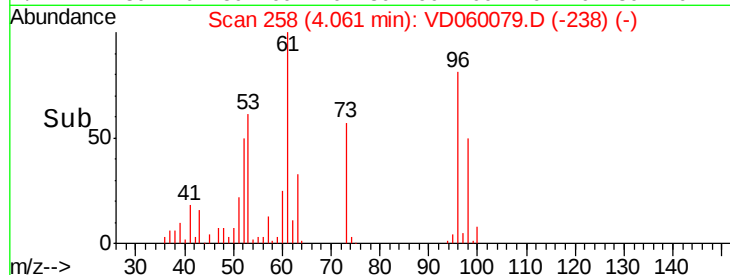
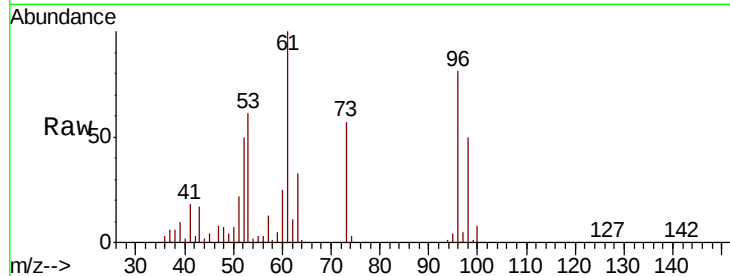
98 62.6 49.5 74.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.678 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Tgt Ion: 45 Resp: 1348809

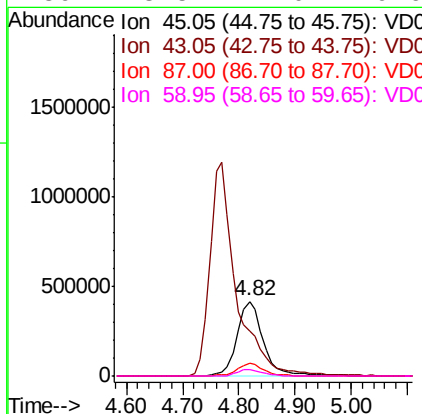
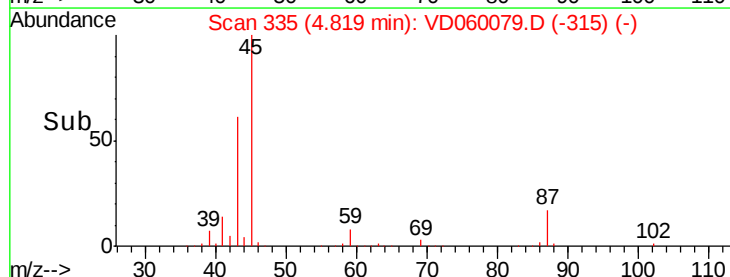
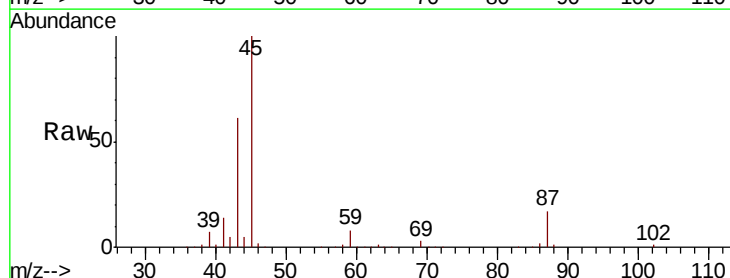
Ion Ratio Lower Upper

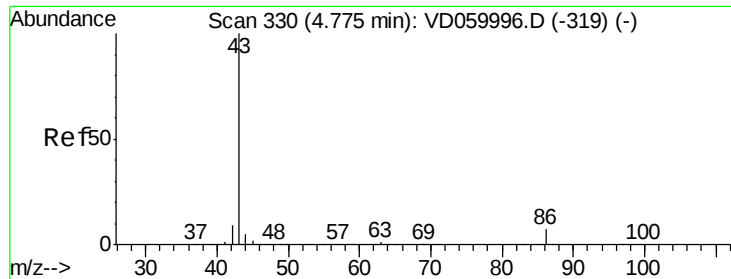
45 100

43 60.9 47.1 70.7

87 16.5 14.2 21.2

59 8.5 7.0 10.6





#23

Vinyl Acetate

Concen: 110.607 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleID :

VD0924SBSD01

Tot Ion: 43 Resp: 3898829

Ion Ratio Lower Upper

43 100

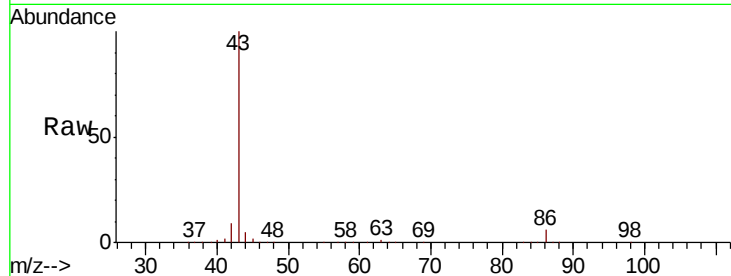
86 6.3 5.5 8.3

Manual Integrations

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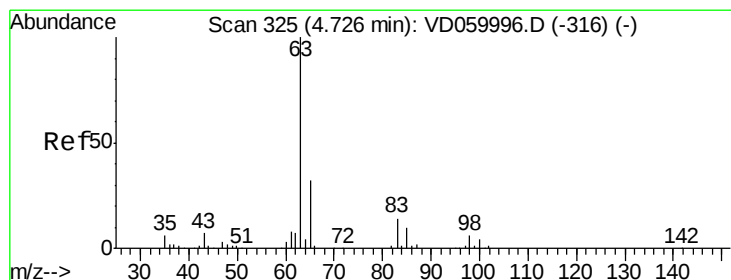
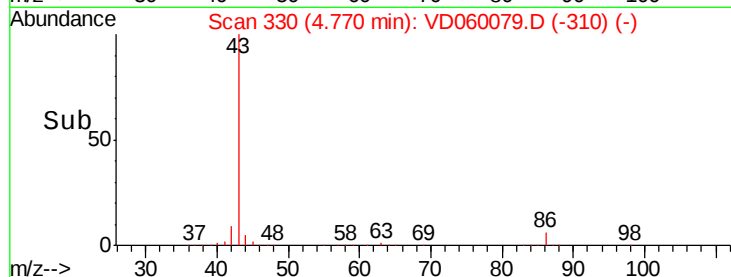
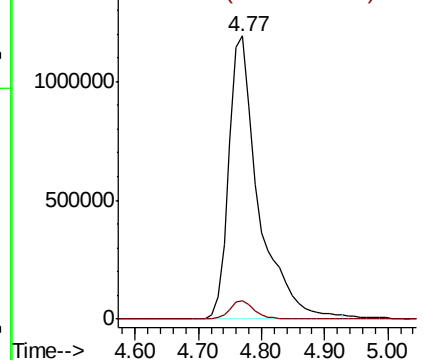
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.356 ug/l

RT: 4.72 min Scan# 325

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

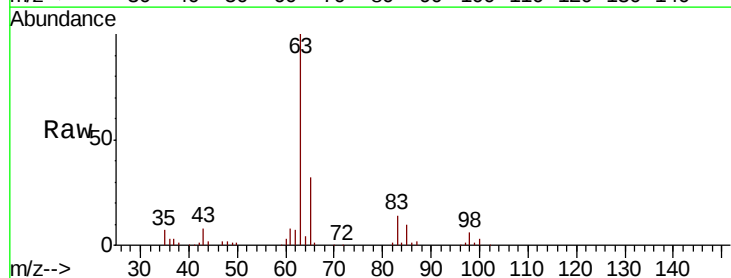
Tgt Ion: 63 Resp: 596306

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

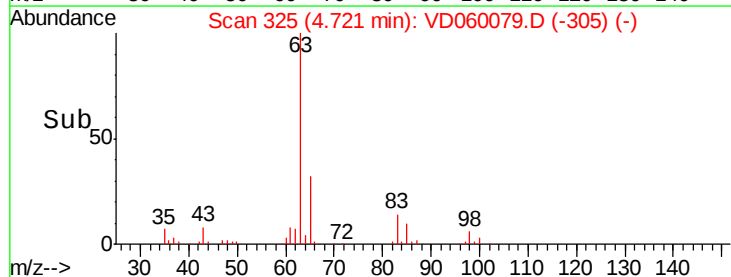
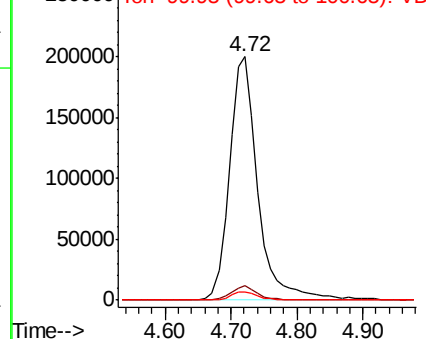
100 3.4 1.8 5.4

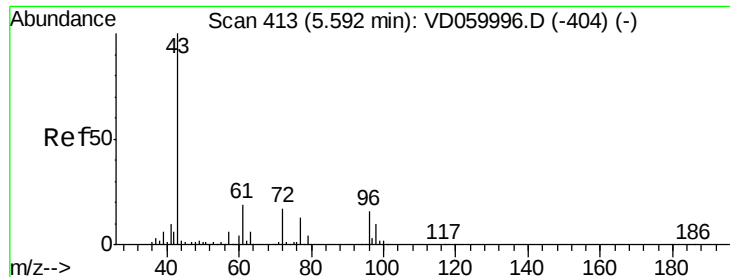


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 127.688 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 43 Resp: 815499

Ion Ratio Lower Upper

43 100

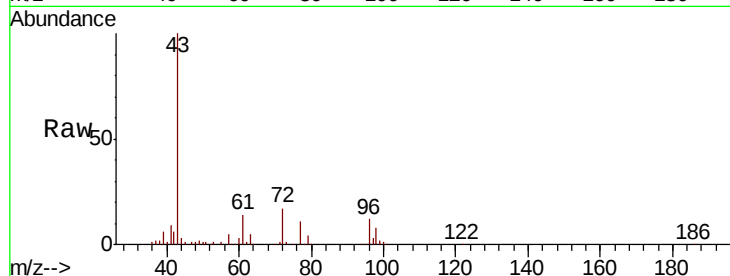
72 17.1 13.6 20.4

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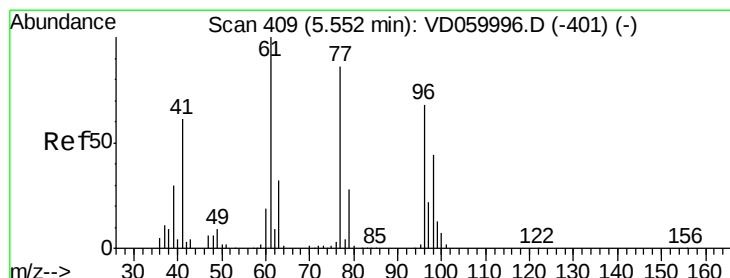
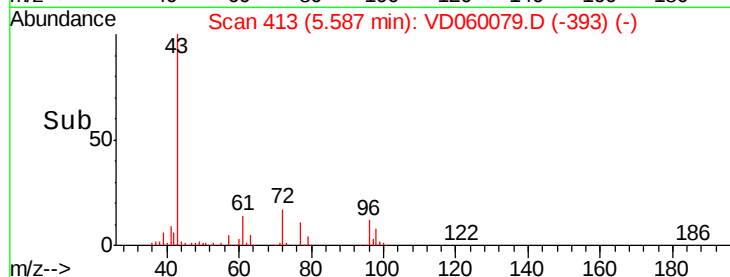
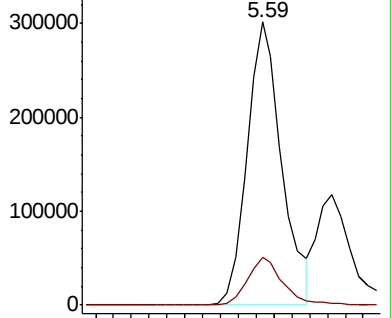
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.018 ug/l

RT: 5.55 min Scan# 409

Delta R.T. -0.01 min

Lab File: VD060079.D

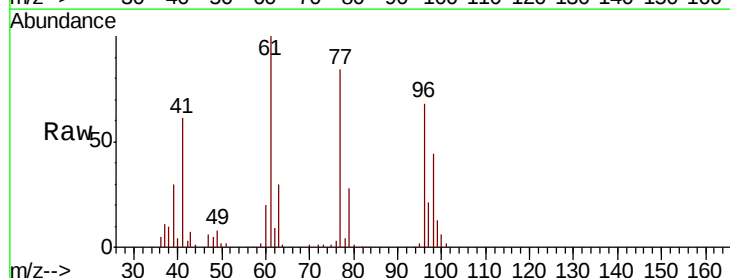
Acq: 24 Sep 2018 13:51

Tgt Ion: 77 Resp: 477965

Ion Ratio Lower Upper

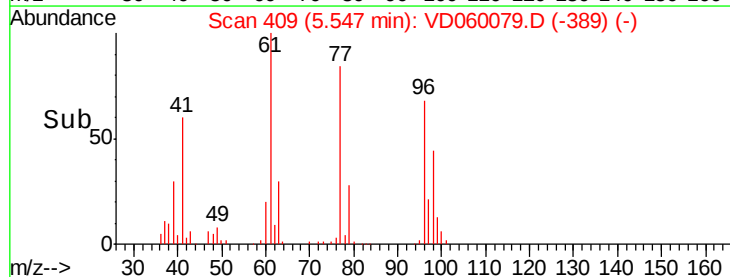
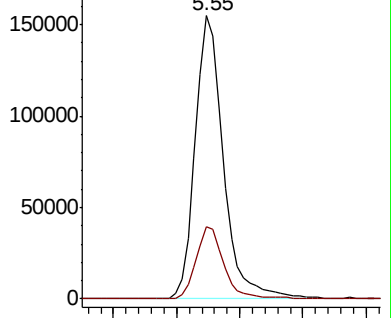
77 100

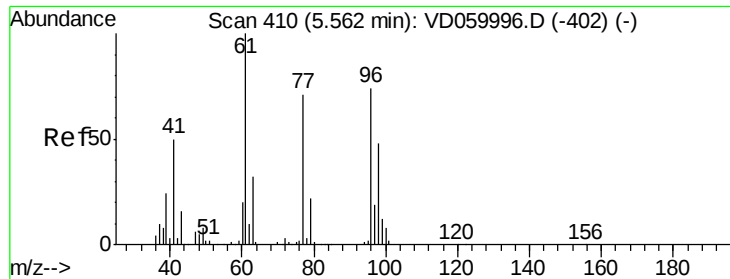
97 25.4 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

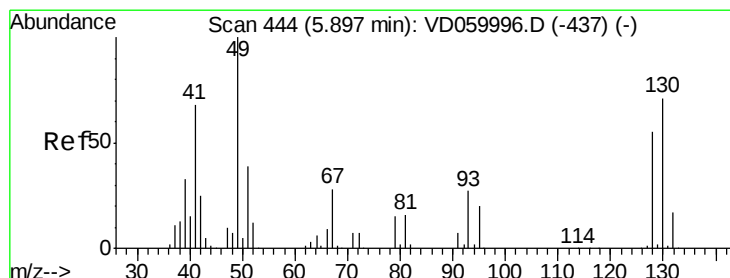
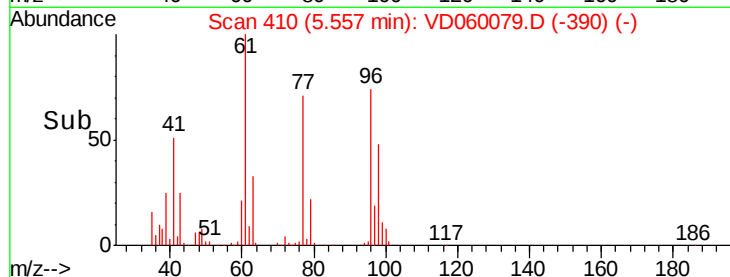
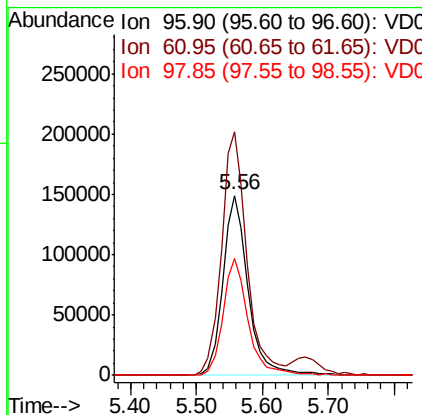
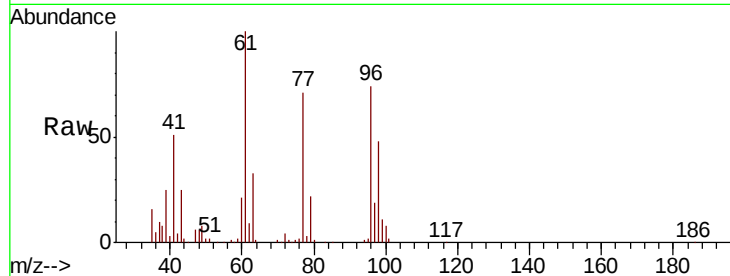
cis-1,2-Dichloroethene
Concen: 22.407 ug/l
RT: 5.56 min Scan# 410
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	135.2	0.0	269.6	
98	64.8	0.0	128.4	

Manual Integrations
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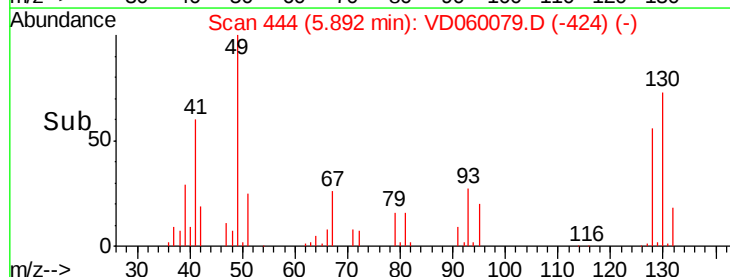
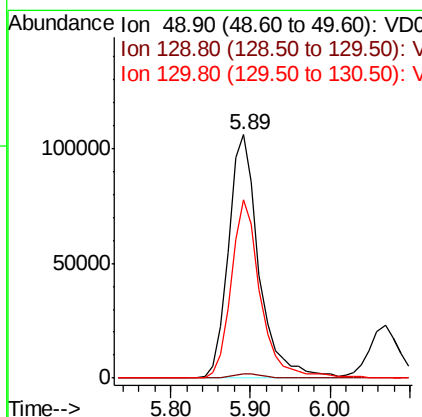
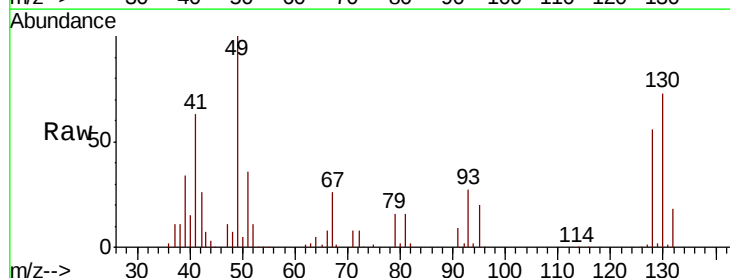
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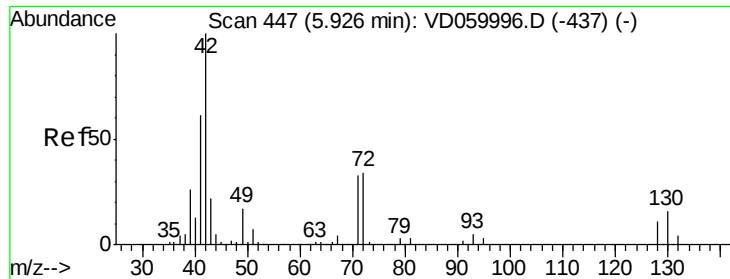


#28

Bromochloromethane
Concen: 21.137 ug/l
RT: 5.89 min Scan# 444
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	3.6	
130	73.3	57.1	85.7	





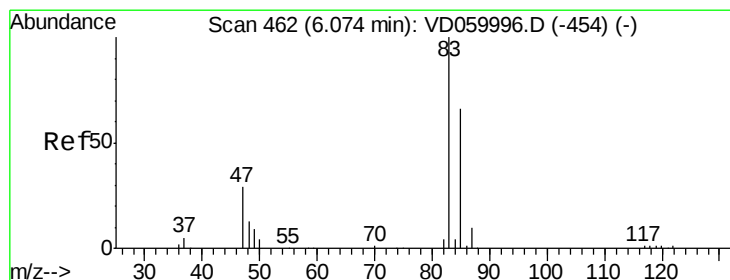
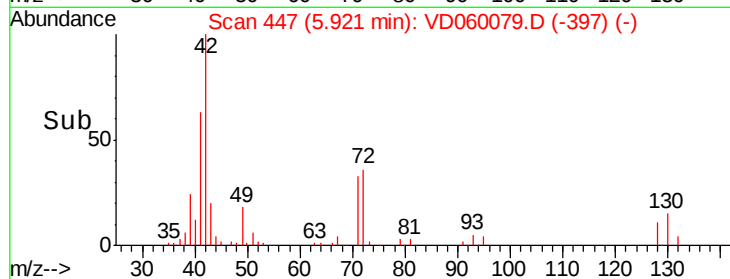
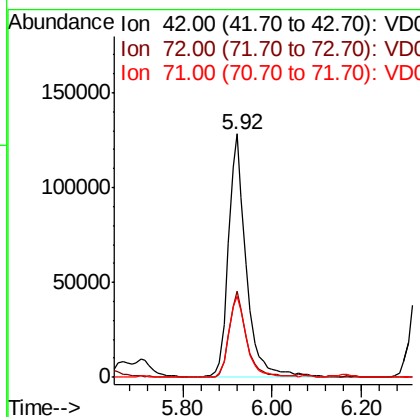
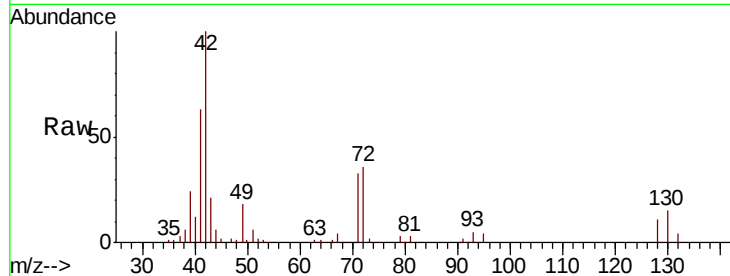
#29
Tetrahydrofuran
Concen: 105.464 ug/l
RT: 5.92 min Scan# 447
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.3	26.9	40.3
71	32.9	26.2	39.4

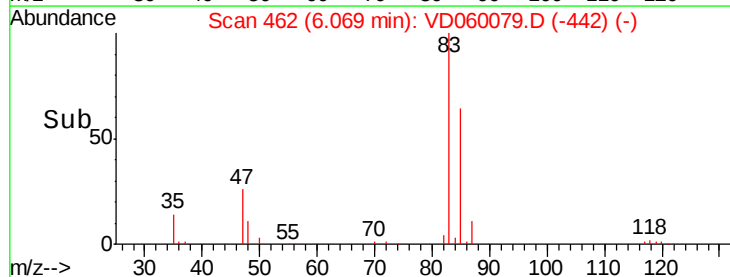
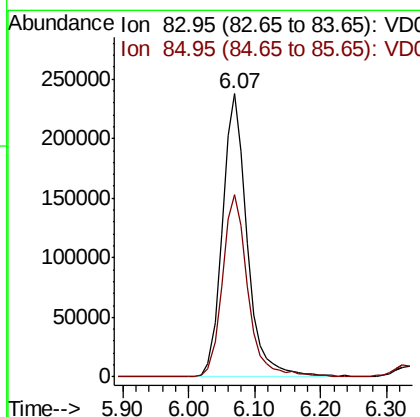
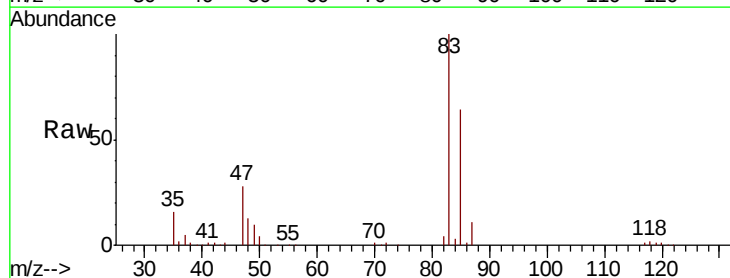
Manual Integrations
APPROVED

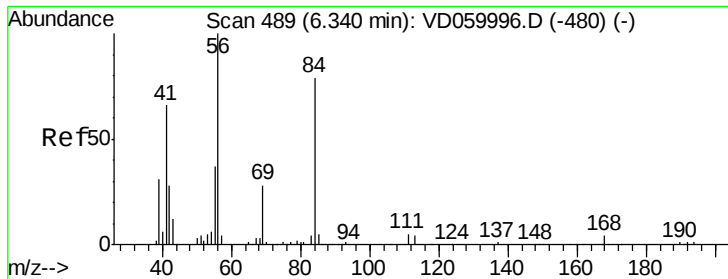
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#30
Chloroform
Concen: 22.027 ug/l
RT: 6.07 min Scan# 462
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.6	78.8





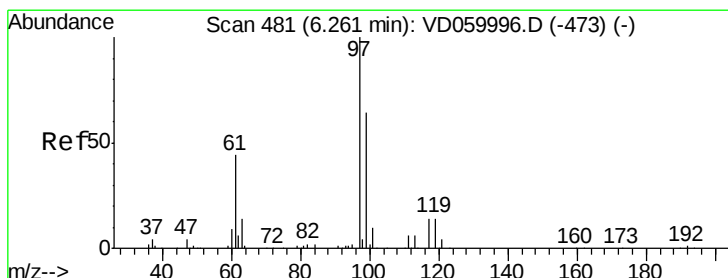
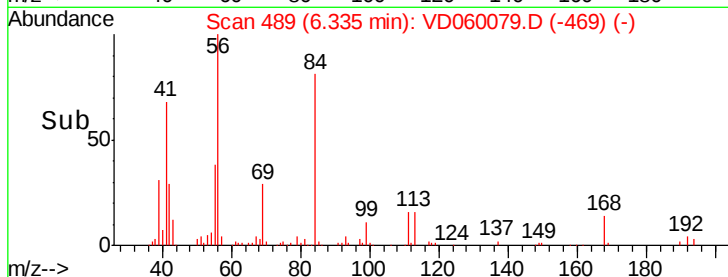
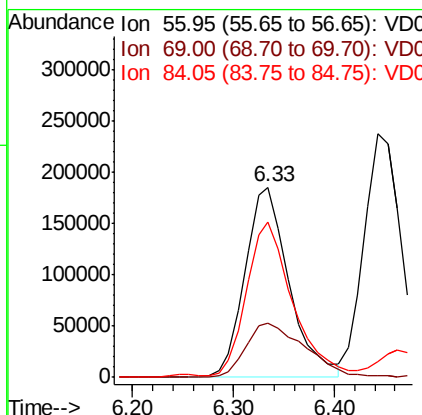
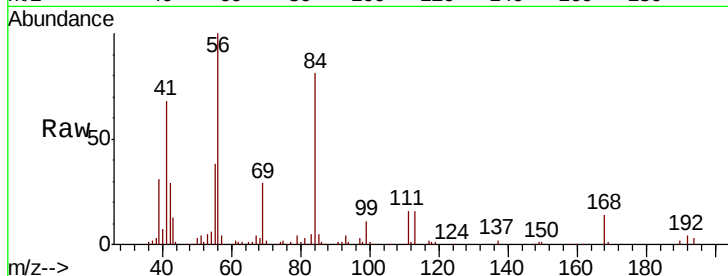
#31
Cyclohexane
Concen: 20.732 ug/l
RT: 6.33 min Scan# 489
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.8	22.7	34.1
84	81.3	64.0	96.0

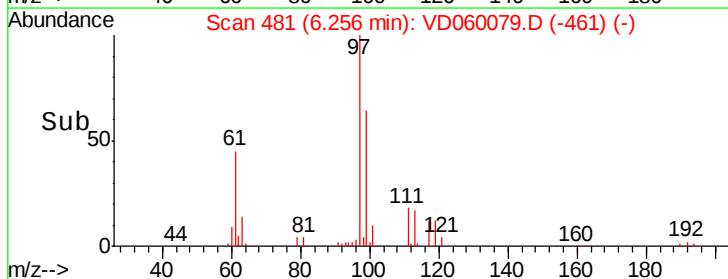
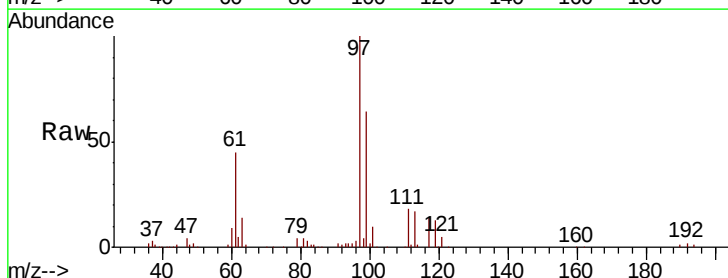
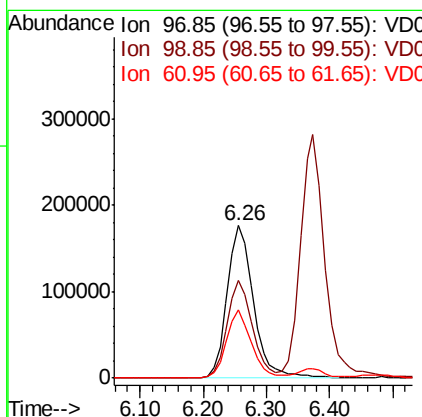
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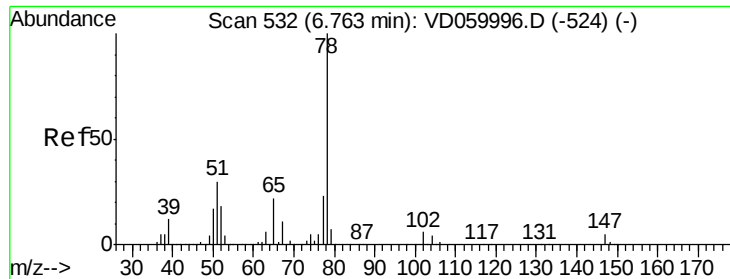
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#32
1,1,1-Trichloroethane
Concen: 21.742 ug/l
RT: 6.26 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.3	76.9
61	44.8	35.5	53.3





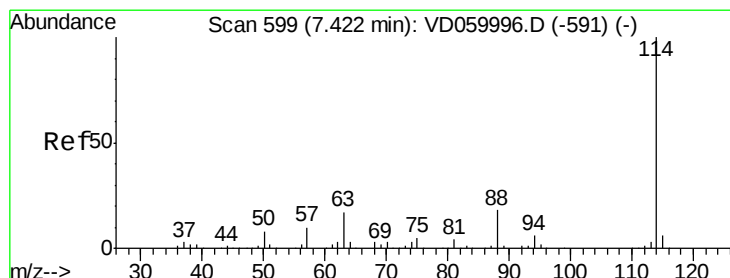
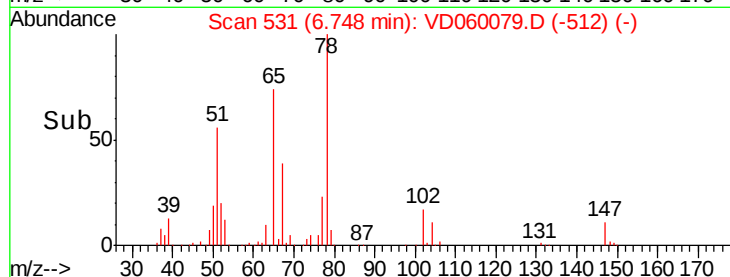
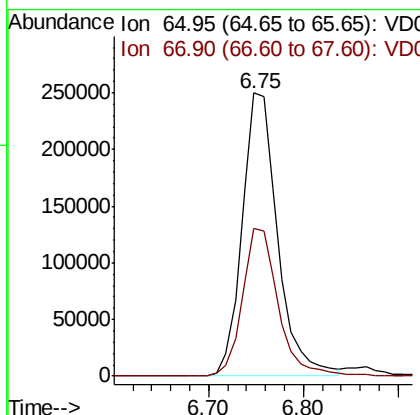
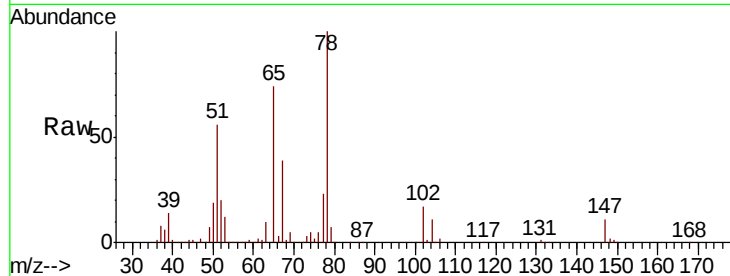
#33
 1,2-Dichloroethane-d4
 Concen: 21.742 ug/l
 RT: 6.75 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

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

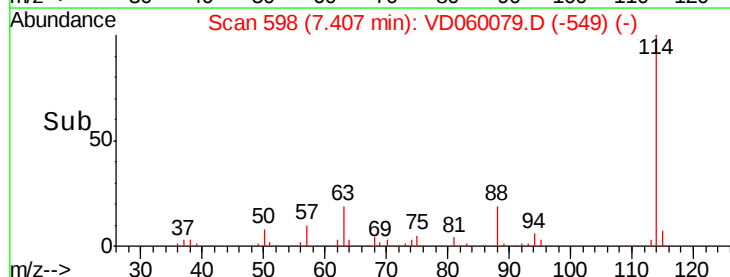
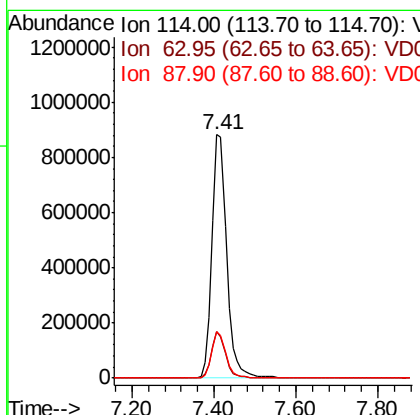
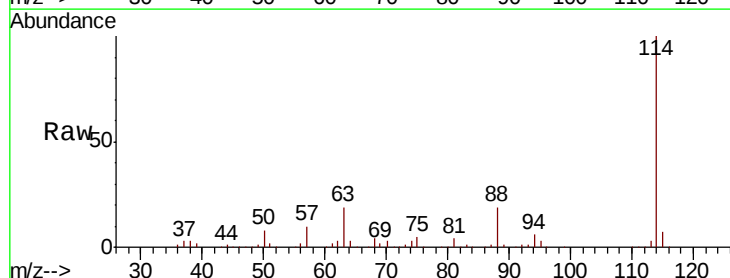
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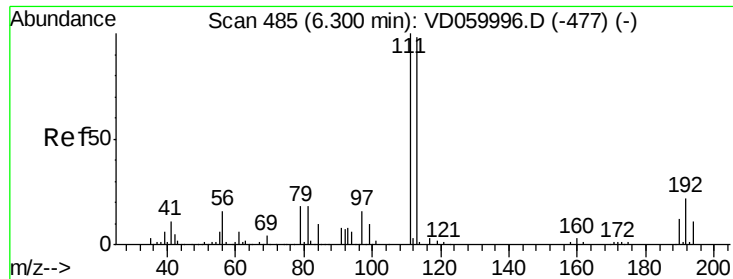
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.41 min Scan# 598
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.3	0.0	34.4	
88	18.9	0.0	35.8	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.29 min Scan# 484

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

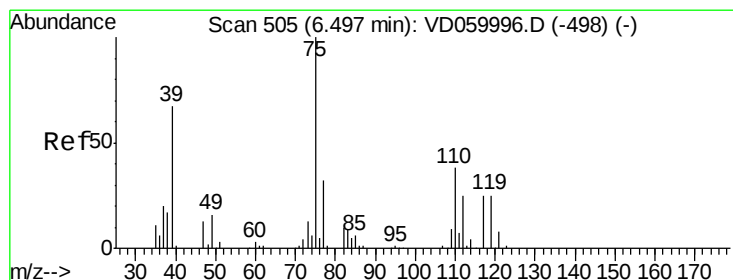
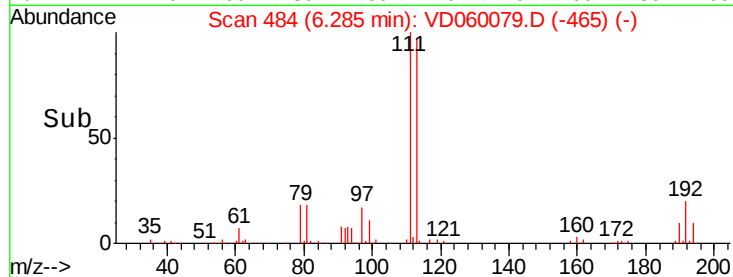
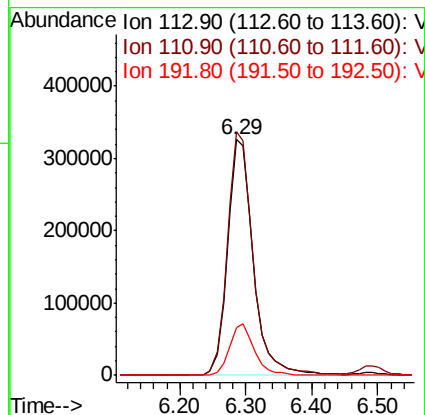
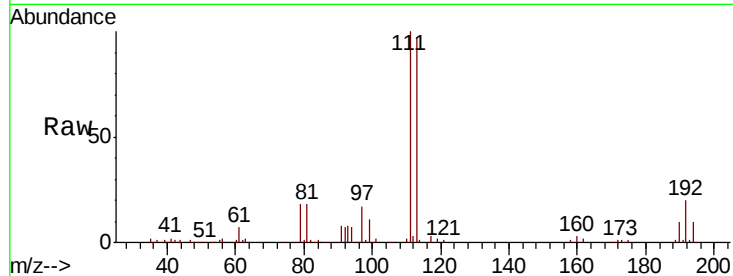
VD0924SBS01

Tot Ion:	113	Resp:	892774
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.3	121.9
192	20.2	18.1	27.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.218 ug/l

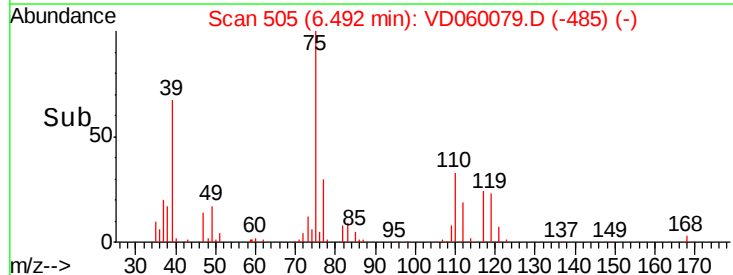
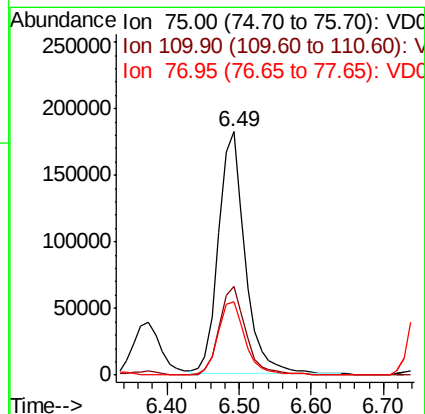
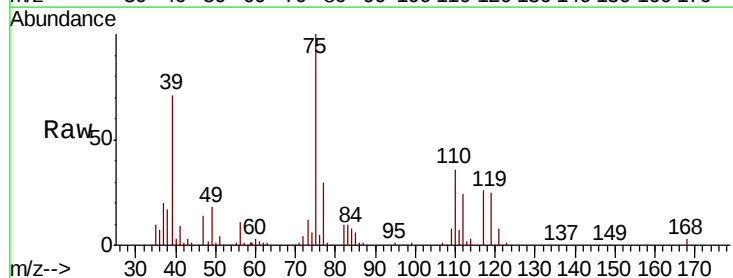
RT: 6.49 min Scan# 505

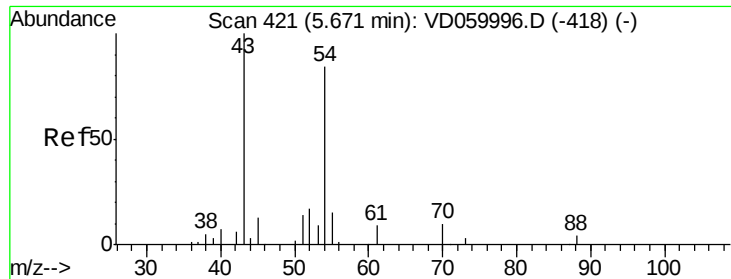
Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Tgt Ion:	75	Resp:	463692
Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.9	56.9
77	30.1	25.3	37.9





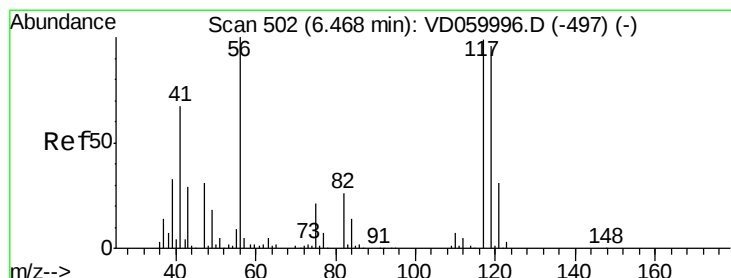
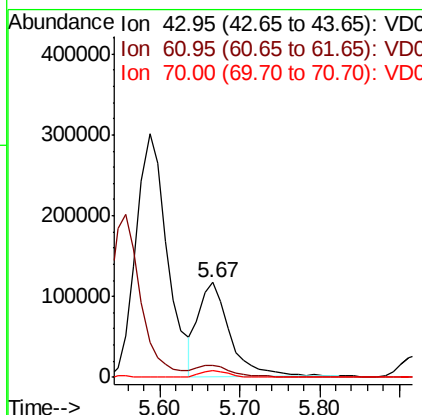
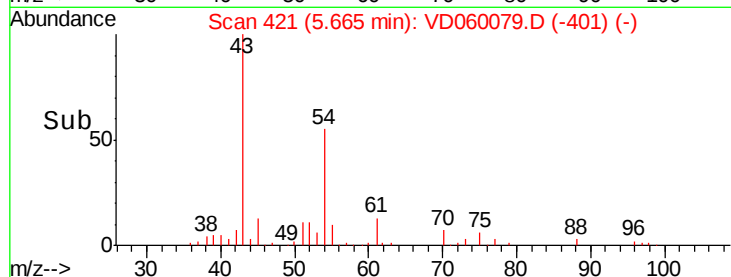
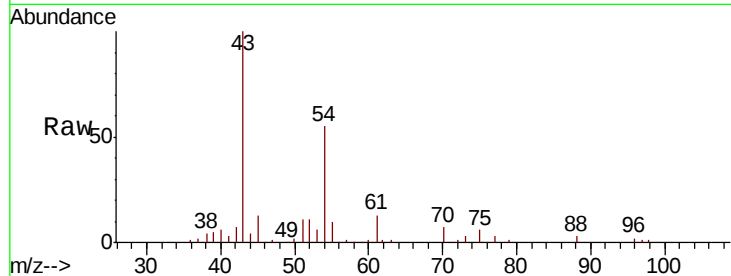
#37
Ethyl Acetate
Concen: 21.148 ug/l
RT: 5.67 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.2	15.2
70	7.0	6.1	9.1

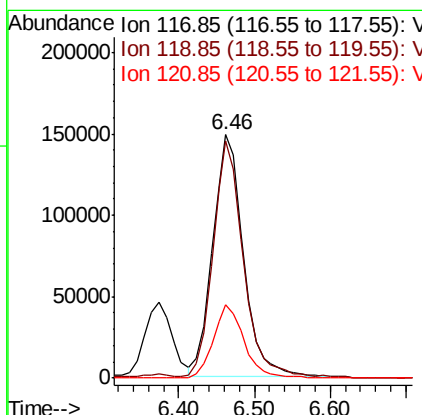
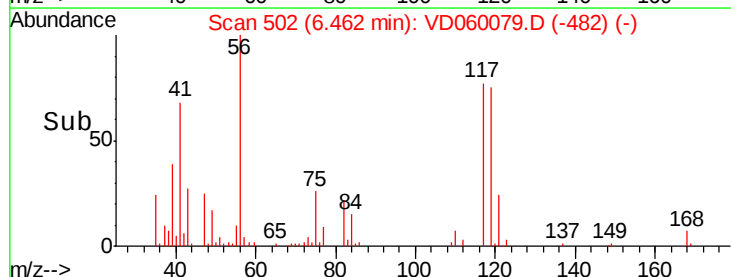
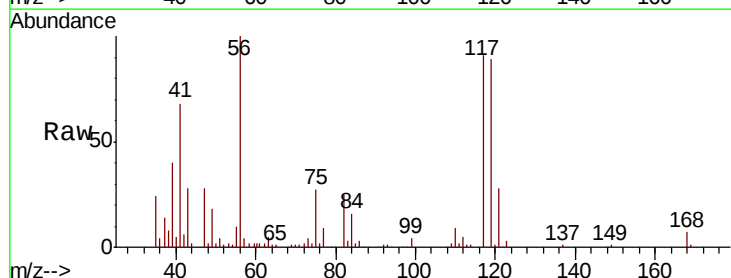
Manual Integrations
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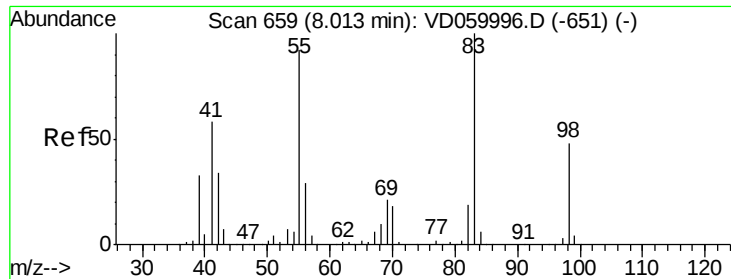
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#38
Carbon Tetrachloride
Concen: 20.634 ug/l
RT: 6.46 min Scan# 502
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.7	115.1
121	30.4	24.9	37.3





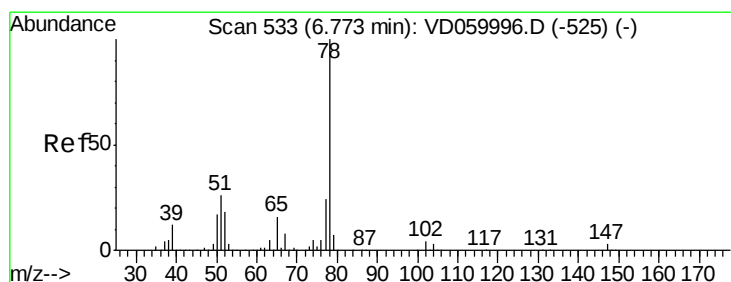
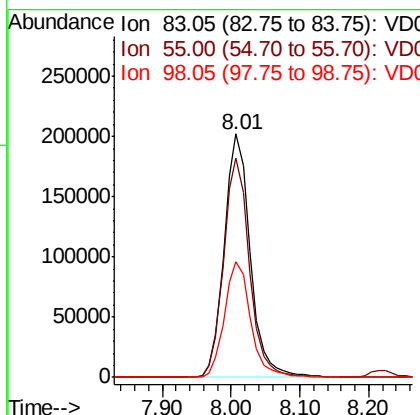
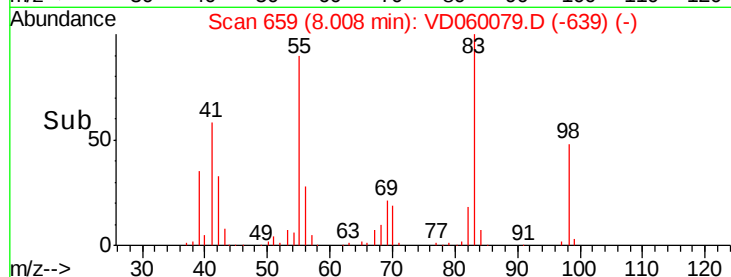
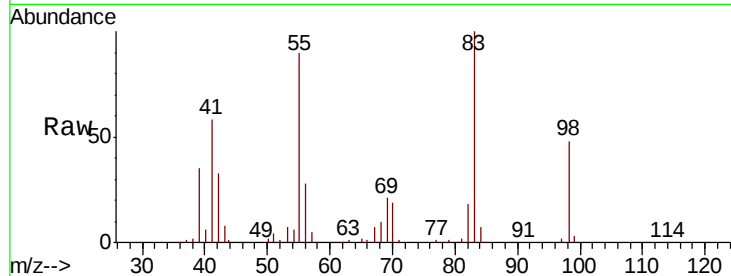
#39
Methvlcvclohexane
Concen: 21.386 ug/l
RT: 8.01 min Scan# 659
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.2	73.8	110.6
98	47.5	38.1	57.1

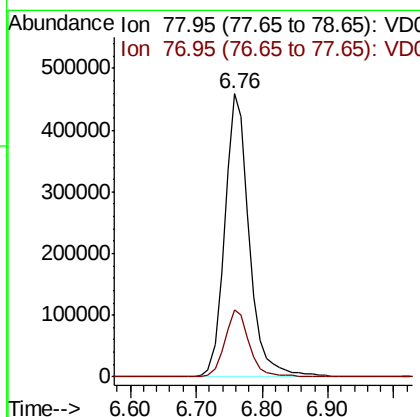
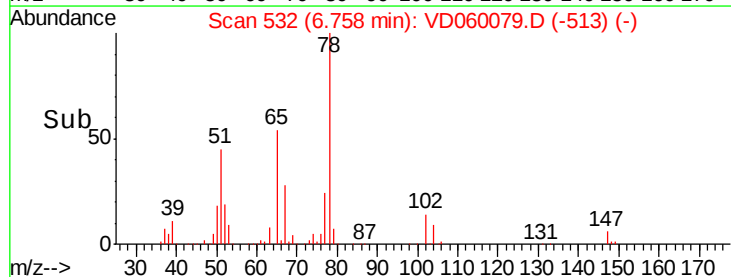
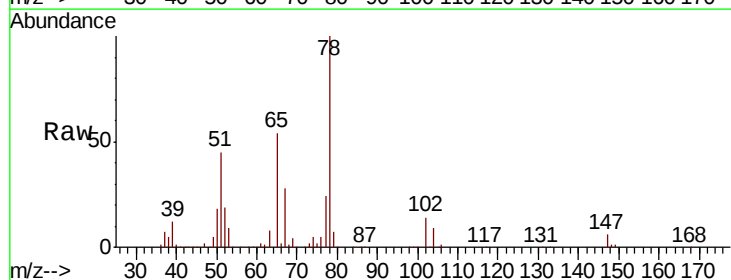
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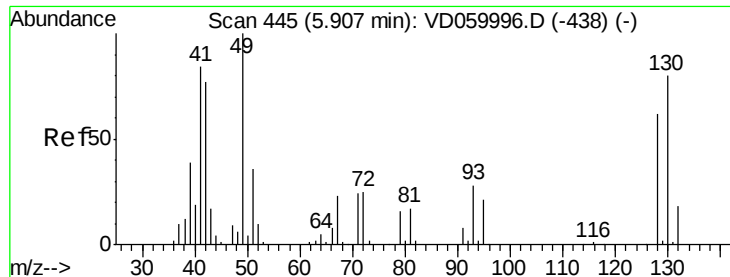
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#40
Benzene
Concen: 21.382 ug/l
RT: 6.76 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





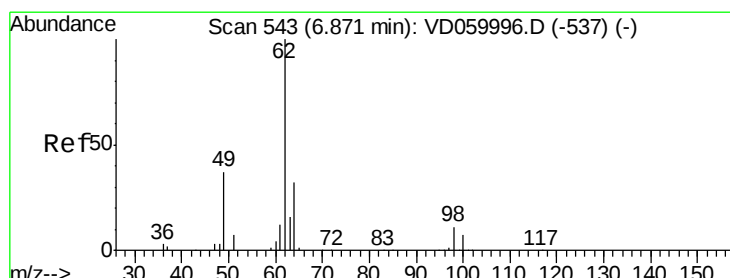
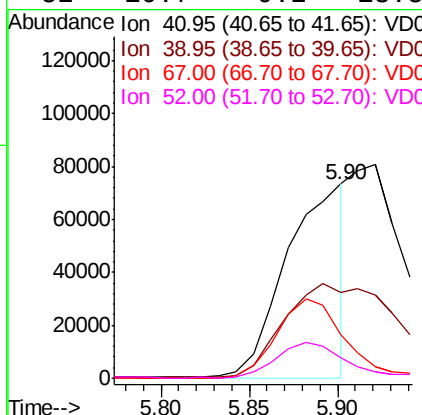
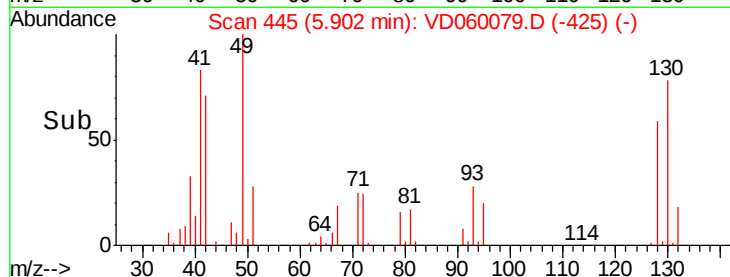
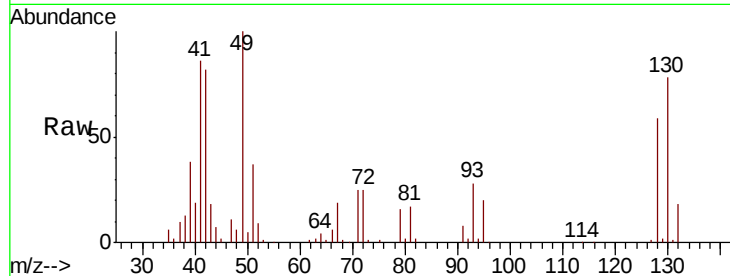
#41
Methacrylonitrile
Concen: 21.910 ug/l m
RT: 5.90 min Scan# 445
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.2	37.5	56.3
67	22.3	21.5	32.3
52	10.7	9.2	13.8

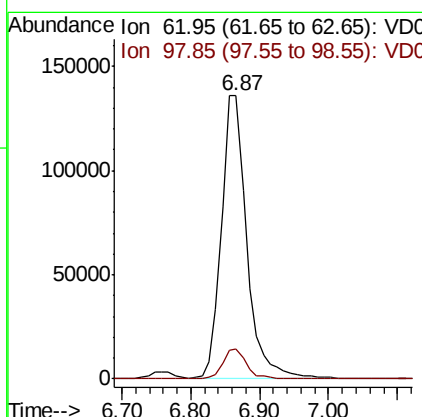
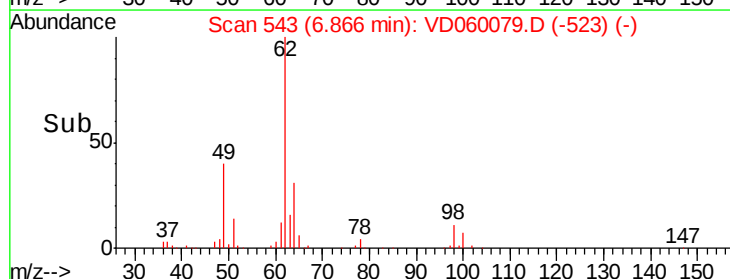
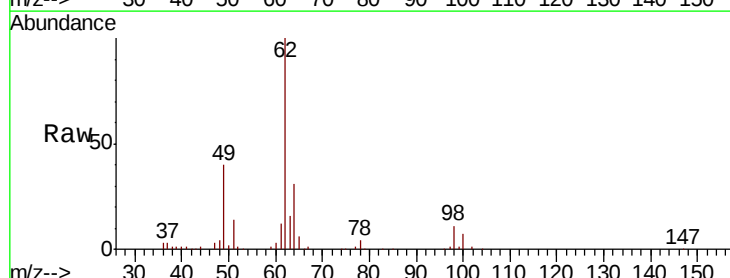
Manual Integrations
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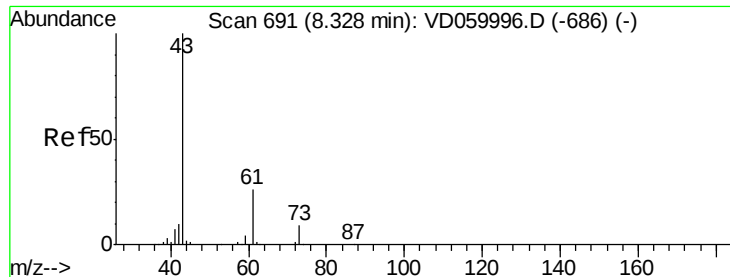
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#42
1,2-Dichloroethane
Concen: 20.730 ug/l
RT: 6.87 min Scan# 543
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.4





#43

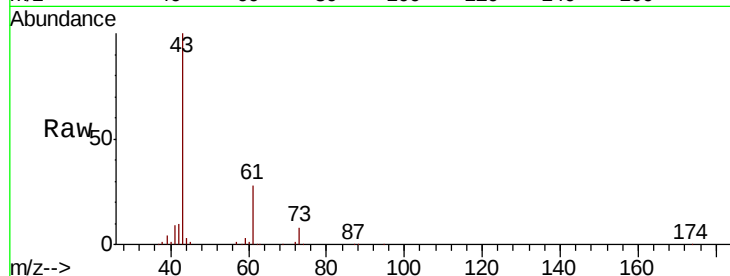
Isopropyl Acetate
 Concen: 20.172 ug/l
 RT: 8.32 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0924SBS01

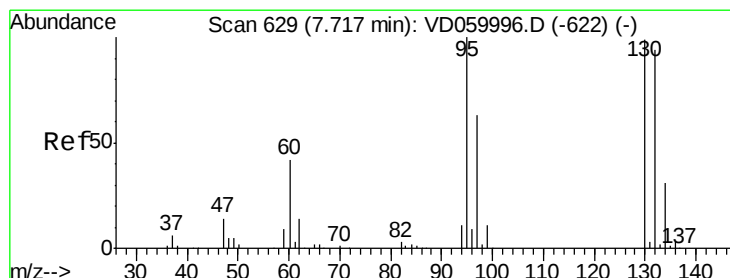
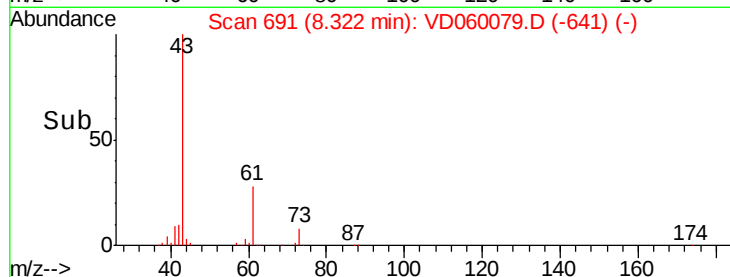
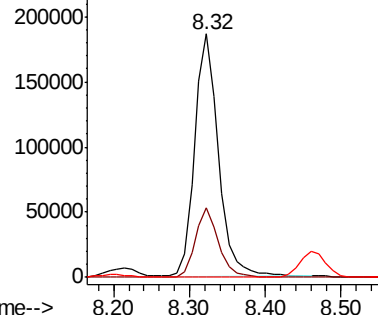
Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	21.0	31.6
87	0.2	0.2	0.2

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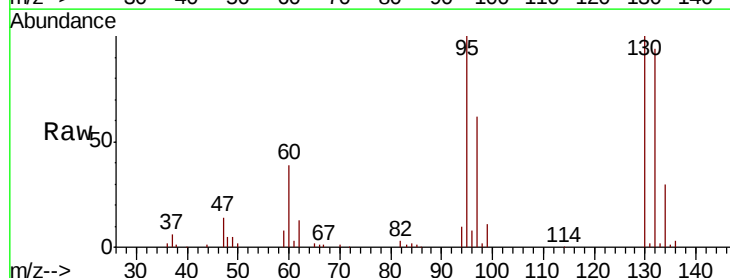
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



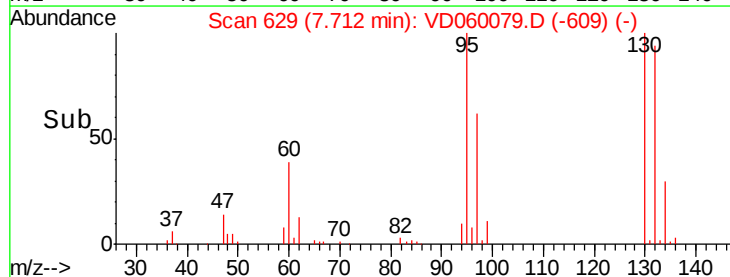
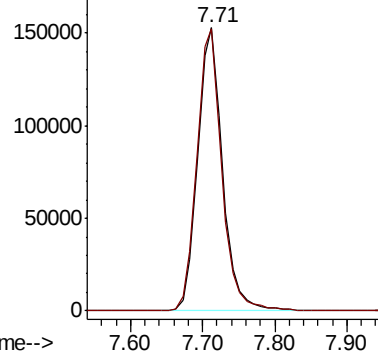
#44

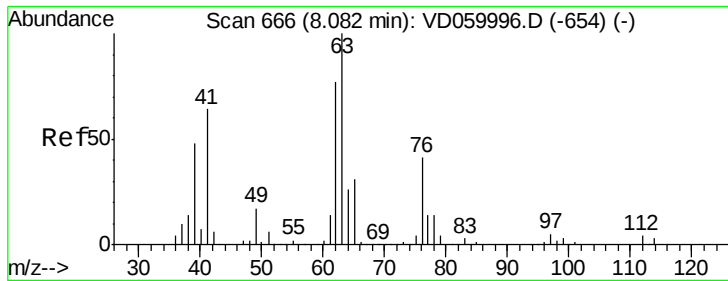
Trichloroethene
 Concen: 21.135 ug/l
 RT: 7.71 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	202.0



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





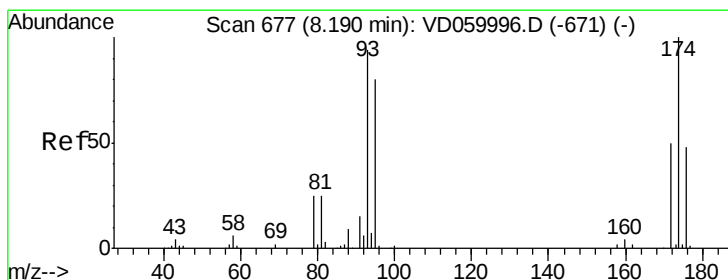
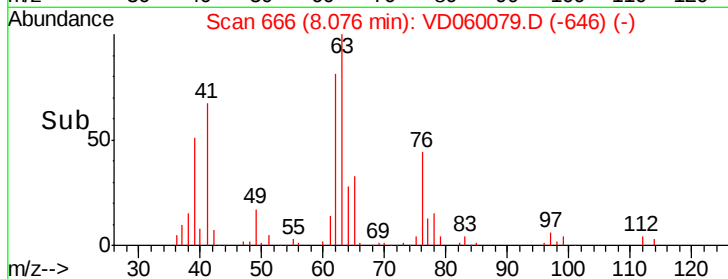
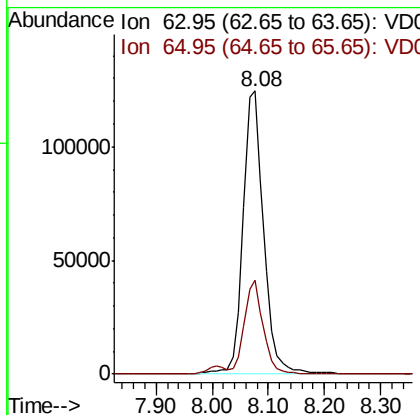
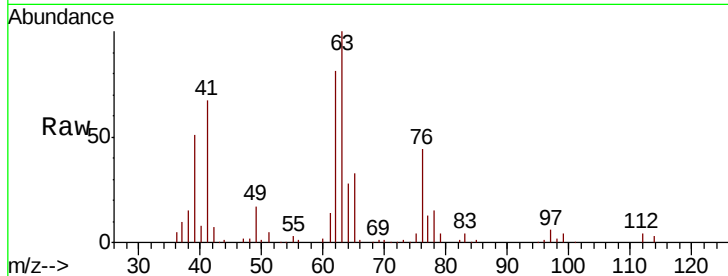
#45
 1,2-Dichloropropane
 Concen: 21.272 ug/l
 RT: 8.08 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBSD01

Tot Ion: 63 Resp: 316824
 Ion Ratio Lower Upper
 63 100
 65 33.1 24.6 37.0

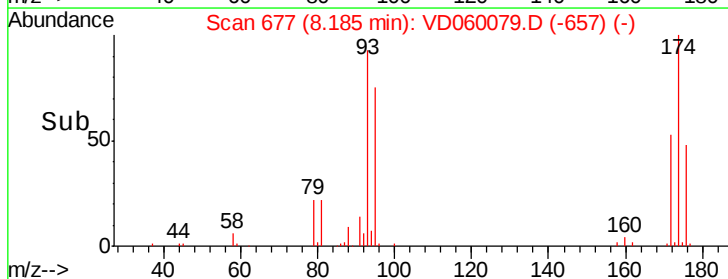
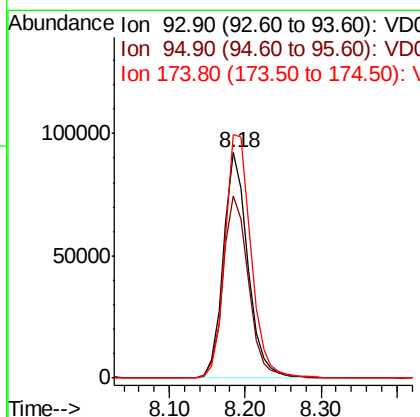
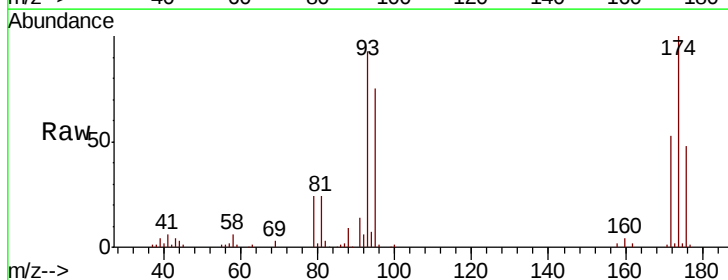
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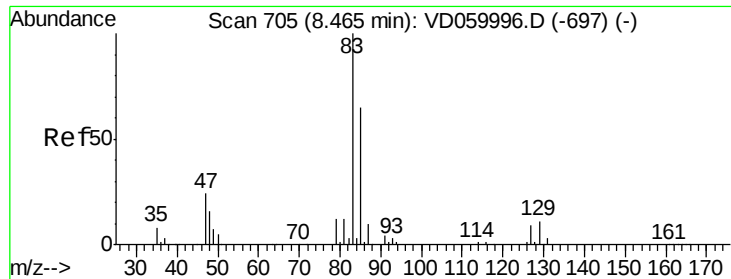
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#46
 Dibromomethane
 Concen: 21.323 ug/l
 RT: 8.18 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Tgt Ion: 93 Resp: 207209
 Ion Ratio Lower Upper
 93 100
 95 80.8 68.0 102.0
 174 108.1 85.4 128.2





#47

Bromodichloromethane

Concen: 21.066 ug/l

RT: 8.46 min Scan# 705

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

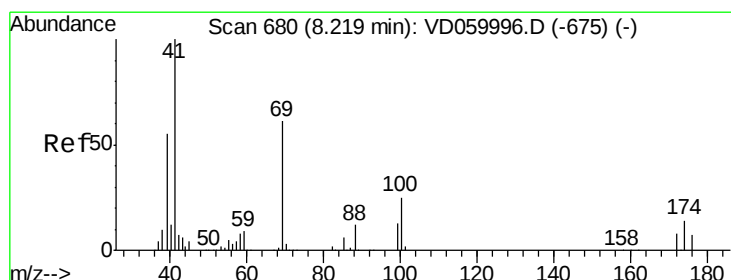
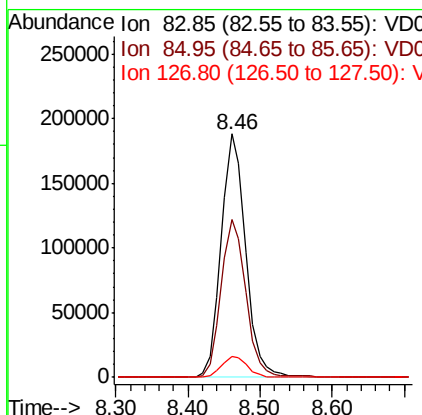
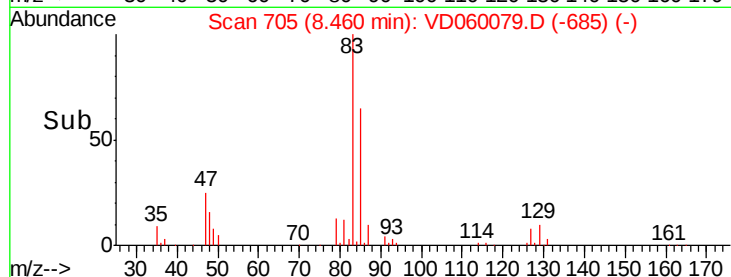
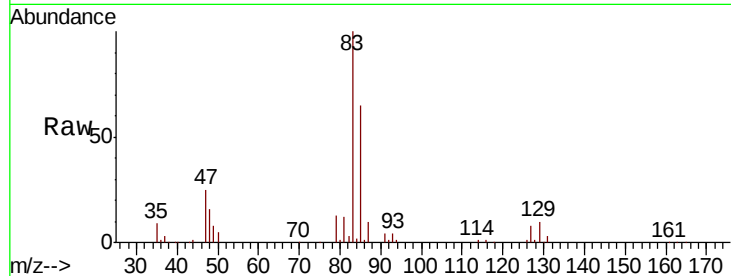
ClientSampleId :

VD0924SBSD01

Tot Ion:	83	Resp:	441354
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.9	77.9
127	8.4	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.036 ug/l

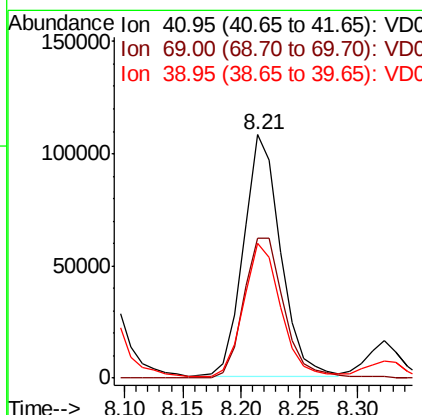
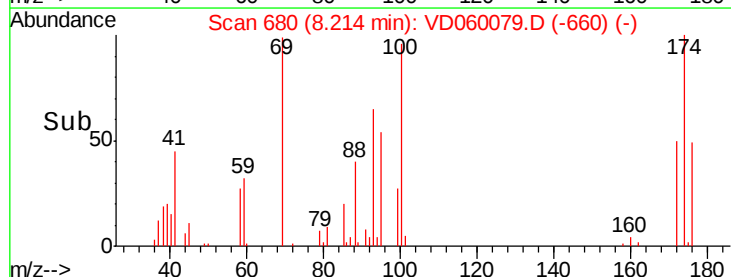
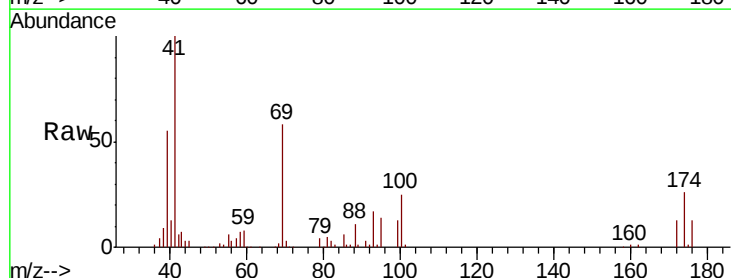
RT: 8.21 min Scan# 680

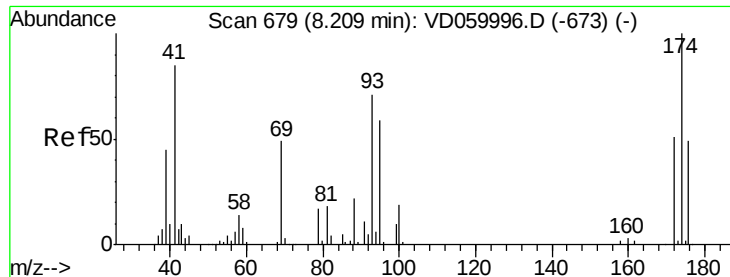
Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Tgt Ion:	41	Resp:	235734
Ion	Ratio	Lower	Upper
41	100		
69	57.7	48.3	72.5
39	55.1	44.1	66.1





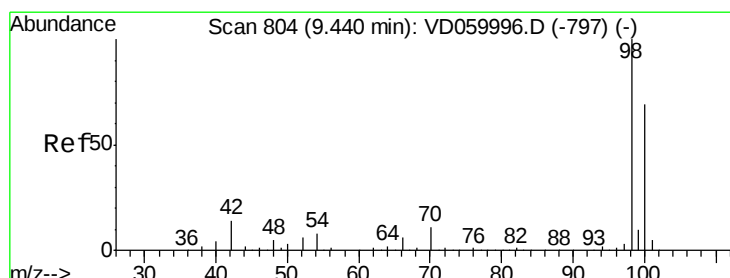
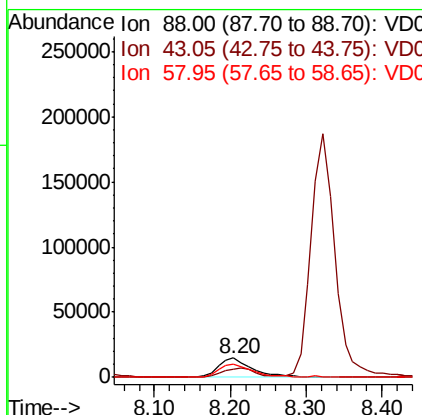
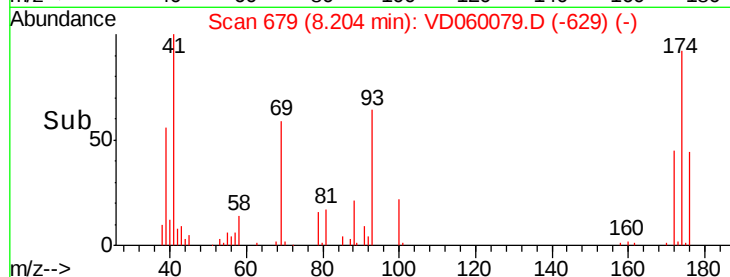
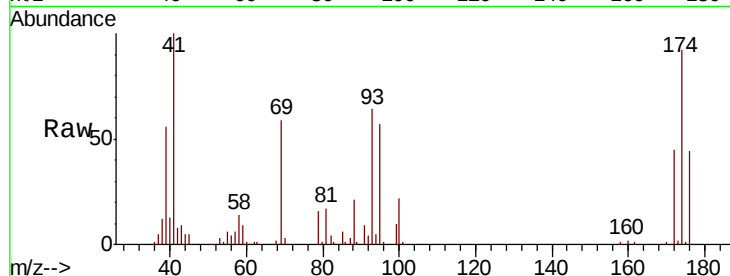
#49
1,4-Dioxane
Concen: 421.602 ug/l
RT: 8.20 min Scan# 679
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.1	36.2	54.2
58	67.0	51.0	76.6

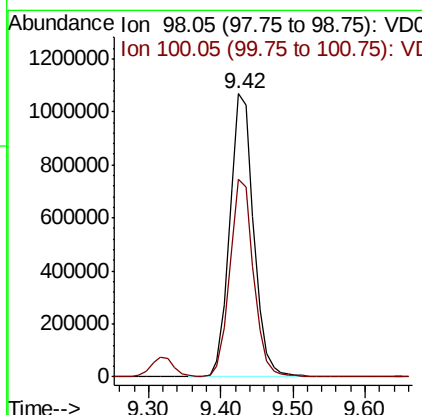
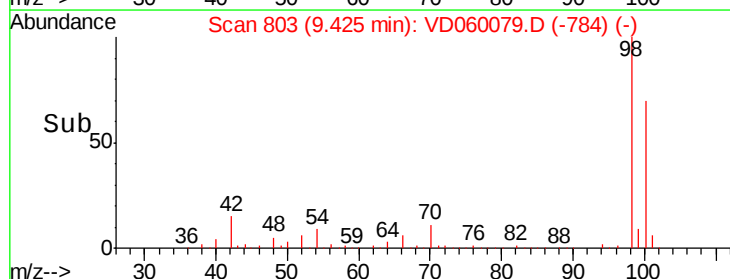
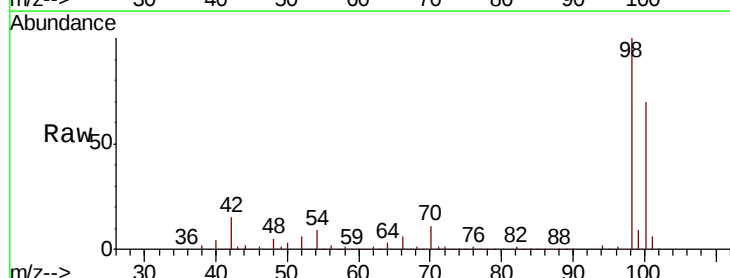
Manual Integrations
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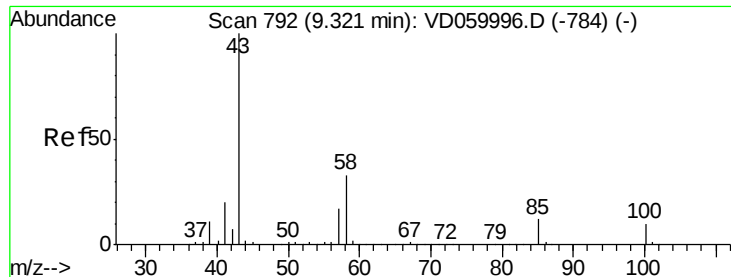
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#50
Toluene-d8
Concen: 421.602 ug/l
RT: 9.42 min Scan# 803
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.7	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 114.446 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 43 Resp: 1671795

Ion Ratio Lower Upper

43 100

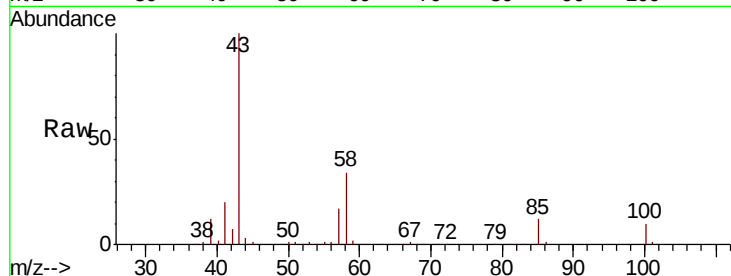
58 33.9 26.4 39.6

Manual Integrations

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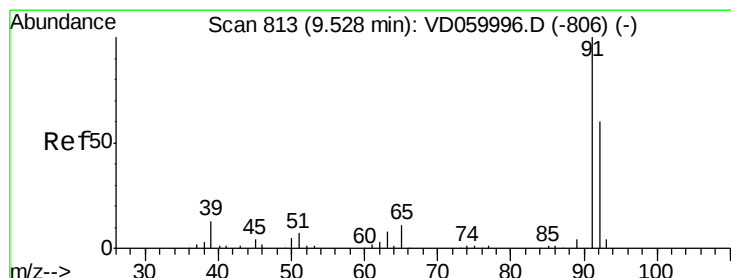
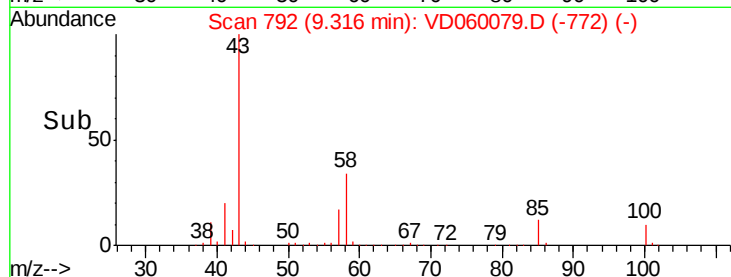
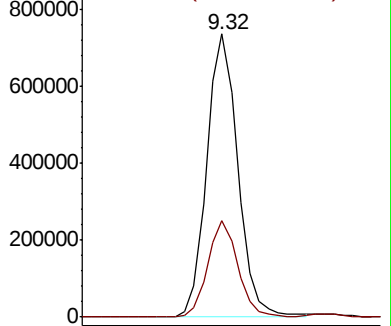
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.020 ug/l

RT: 9.52 min Scan# 813

Delta R.T. -0.01 min

Lab File: VD060079.D

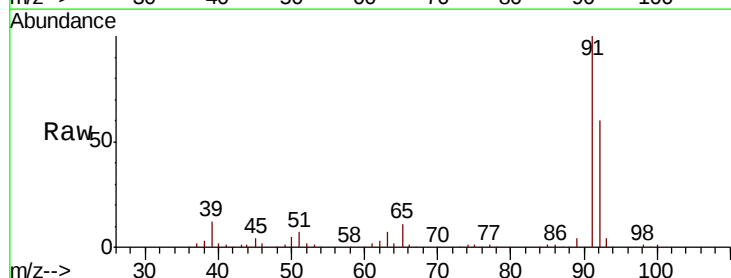
Acq: 24 Sep 2018 13:51

Tgt Ion: 92 Resp: 786156

Ion Ratio Lower Upper

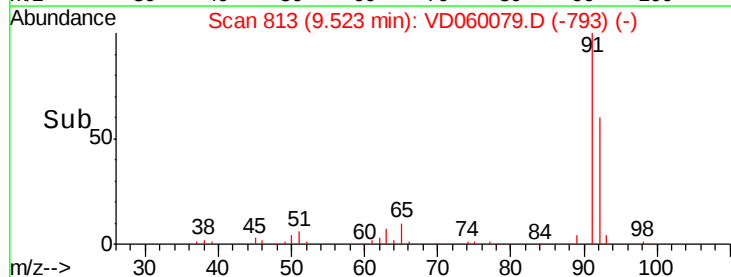
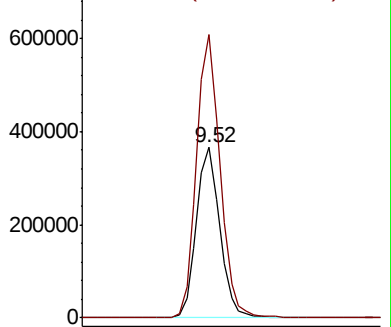
92 100

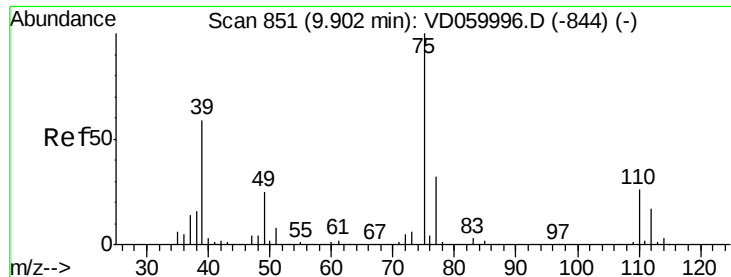
91 166.0 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.164 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Tot Ion: 75 Resp: 413566

Ion Ratio Lower Upper

75 100

77 32.6 25.6 38.4

Instrument :

MSVOA_D

ClientSampleId :

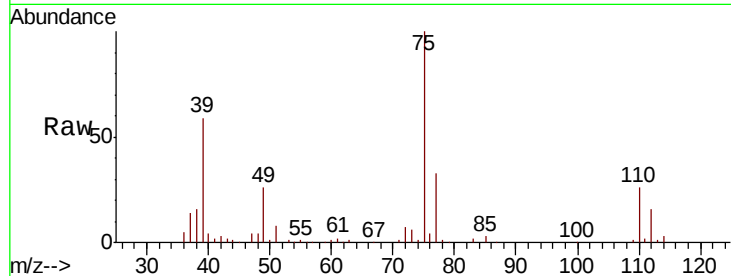
VD0924SBSD01

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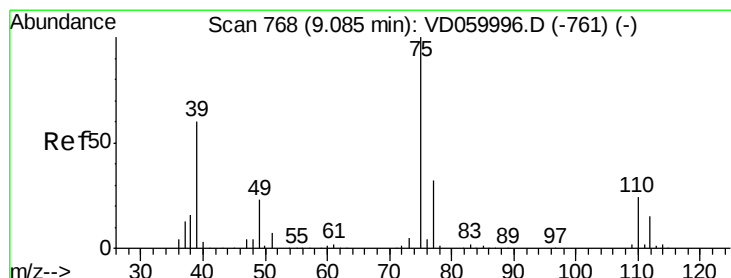
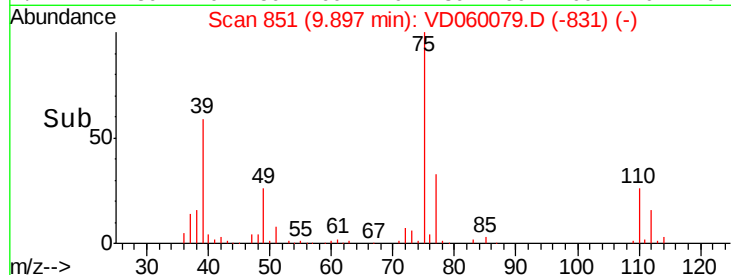
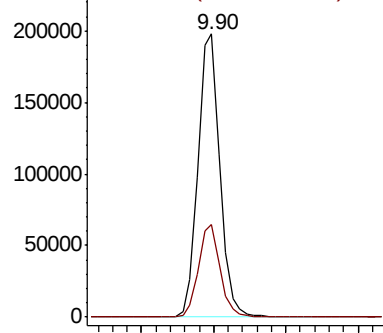
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.062 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

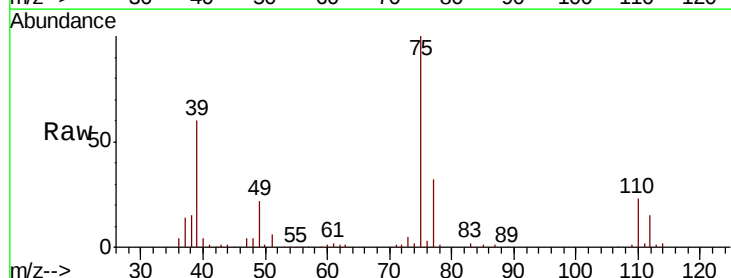
Tgt Ion: 75 Resp: 491730

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3

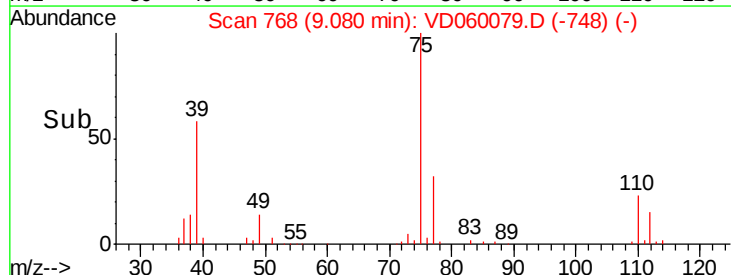
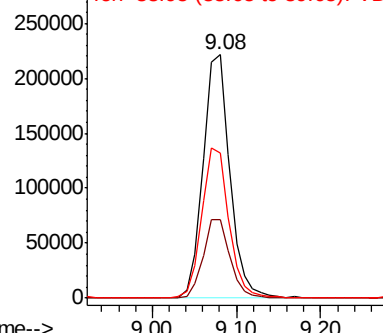
39 59.8 48.0 72.0

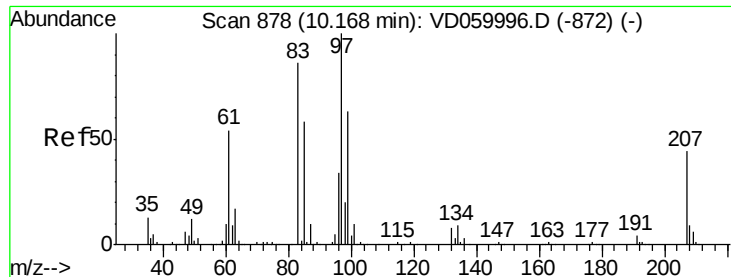


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





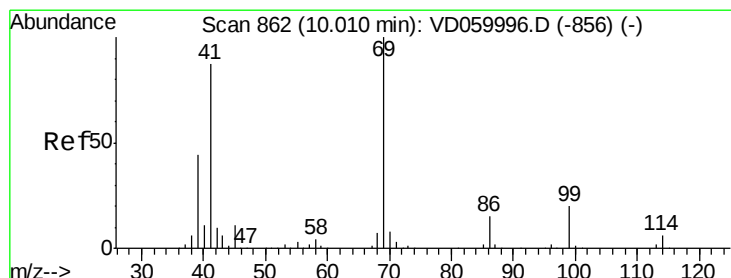
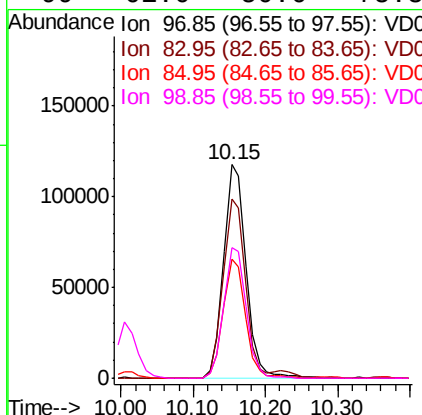
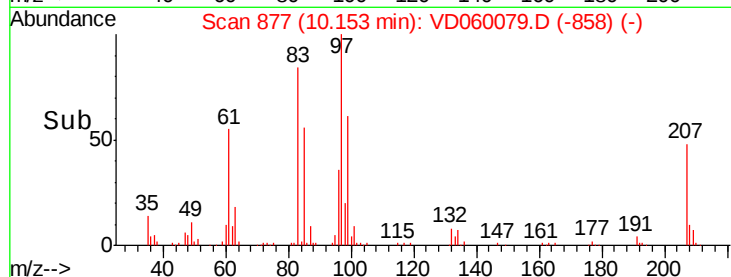
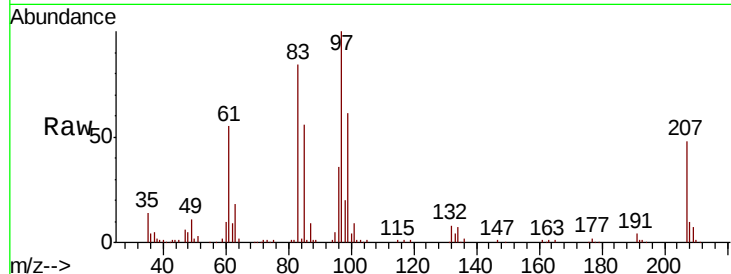
#55
 1,1,2-Trichloroethane
 Concen: 20.596 ug/l
 RT: 10.15 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0924SBS01

Tot Ion	97	Resp	255300
Ion Ratio	Lower	Upper	
97	100		
83	83.7	69.1	103.7
85	55.8	46.2	69.4
99	61.0	50.6	75.8

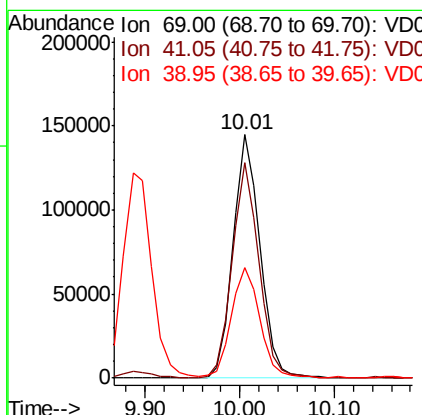
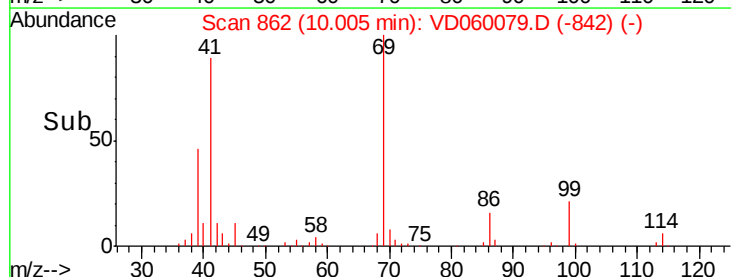
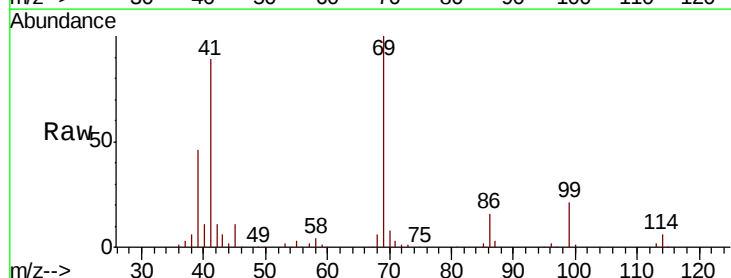
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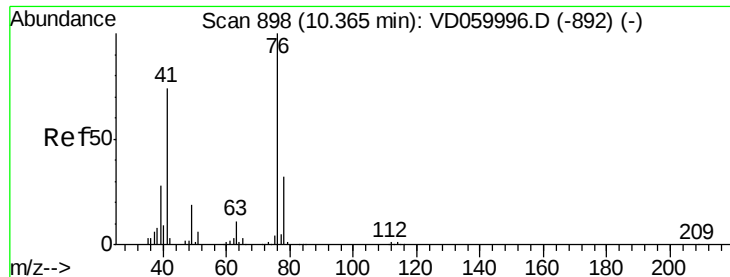
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#56
 Ethyl methacrylate
 Concen: 20.747 ug/l
 RT: 10.01 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Tgt Ion	69	Resp	285252
Ion Ratio	Lower	Upper	
69	100		
41	88.5	70.1	105.1
39	45.5	36.5	54.7





#57

1,3-Dichloropropane

Concen: 21.076 ug/l

RT: 10.36 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 76 Resp: 385632

Ion Ratio Lower Upper

76 100

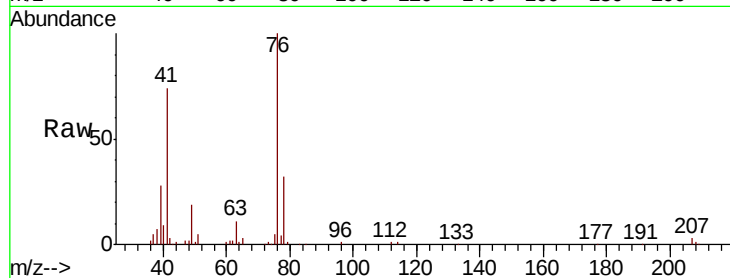
78 32.1 25.3 37.9

Manual Integrations

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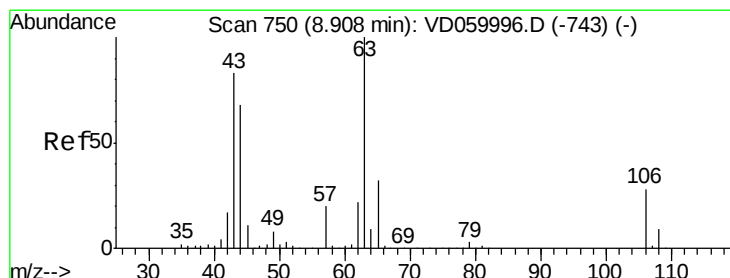
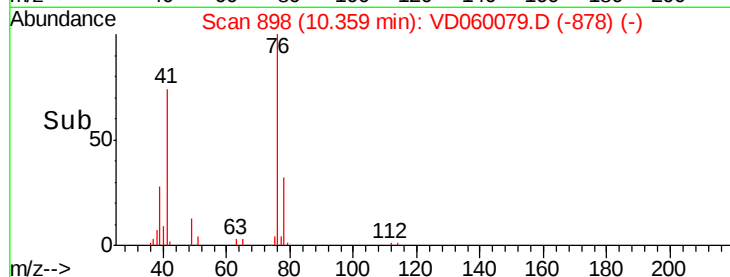
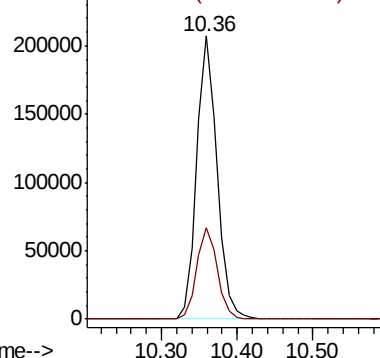
apatel

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 103.830 ug/l

RT: 8.89 min Scan# 749

Delta R.T. -0.01 min

Lab File: VD060079.D

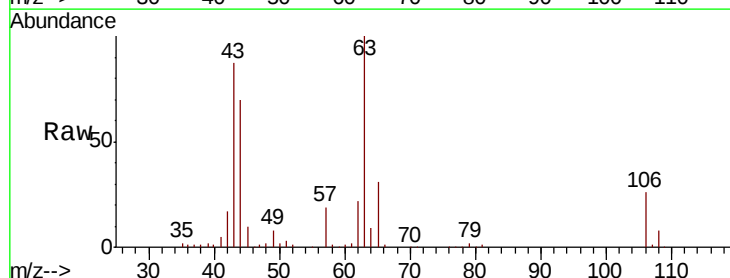
Acq: 24 Sep 2018 13:51

Tgt Ion: 63 Resp: 689360

Ion Ratio Lower Upper

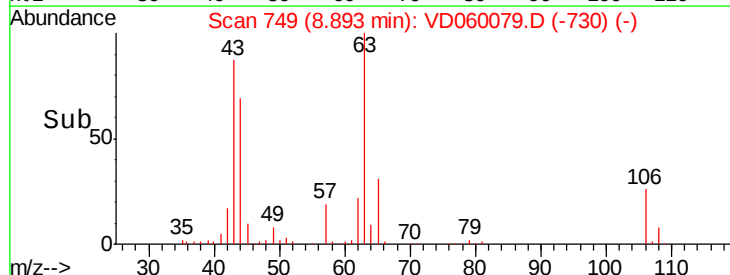
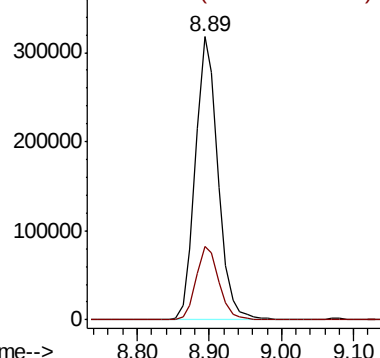
63 100

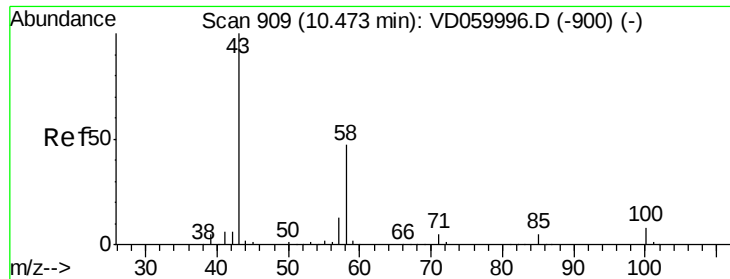
106 25.8 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 118.979 ug/l

RT: 10.47 min Scan# 909

Delta R.T. -0.00 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 43 Resp: 1244215

Ion Ratio Lower Upper

43 100

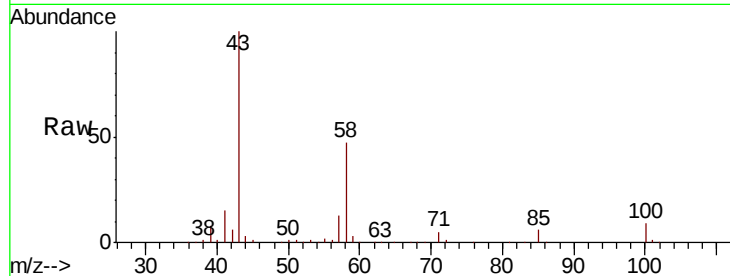
58 46.7 23.4 70.0

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Abundance Ion 42.95 (42.65 to 43.65): V

Ion 57.95 (57.65 to 58.65): V

800000

600000

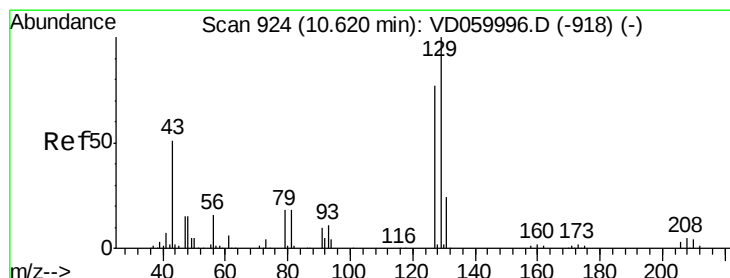
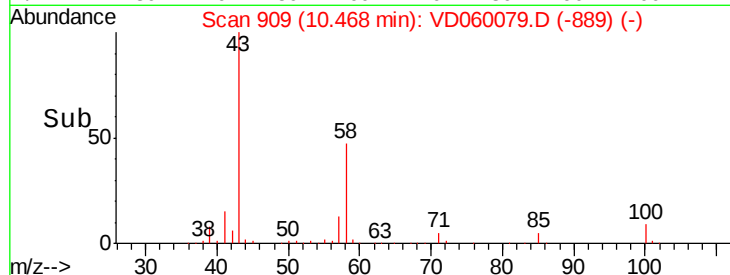
400000

200000

0

10.30 10.40 10.50 10.60

Time-->



#60

Dibromochloromethane

Concen: 21.033 ug/l

RT: 10.62 min Scan# 924

Delta R.T. -0.01 min

Lab File: VD060079.D

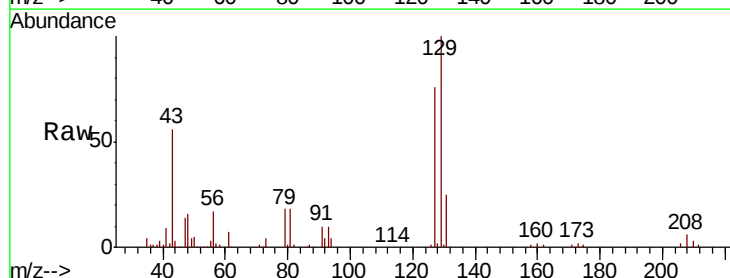
Acq: 24 Sep 2018 13:51

Tgt Ion:129 Resp: 317335

Ion Ratio Lower Upper

129 100

127 76.2 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

200000

150000

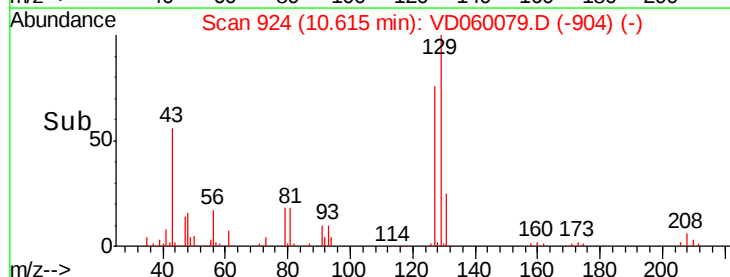
100000

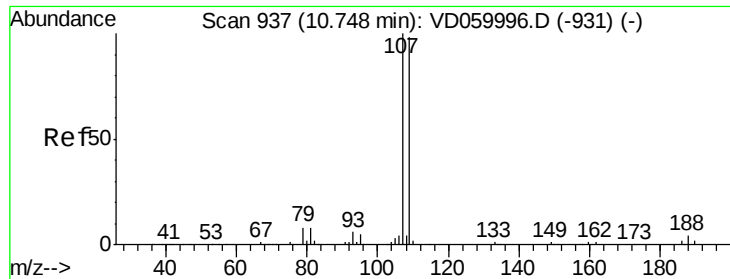
50000

0

10.50 10.60 10.70 10.80

Time-->





#61

1,2-Dibromoethane

Concen: 21.560 ug/l

RT: 10.73 min Scan# 936

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBSD01

Tot Ion:107 Resp: 275929

Ion Ratio Lower Upper

107 100

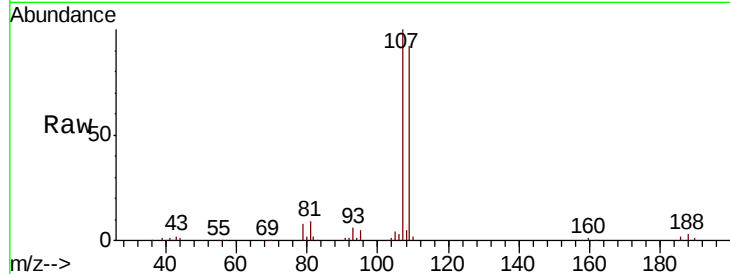
109 92.4 78.2 117.2

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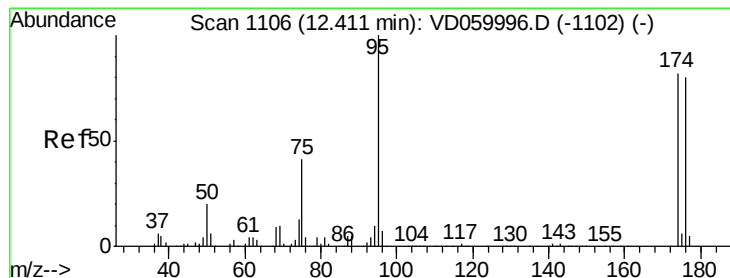
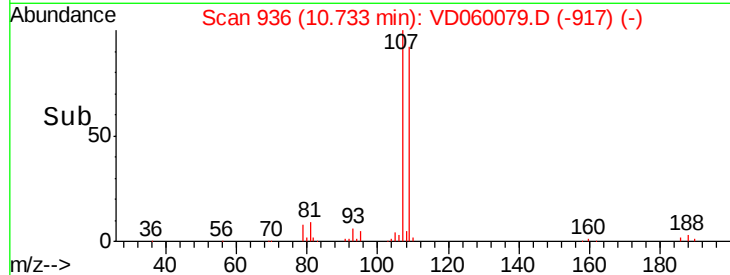
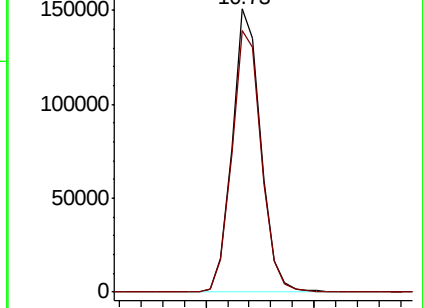
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 21.560 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

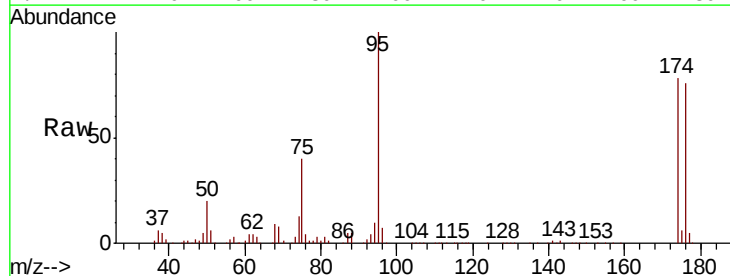
Tgt Ion: 95 Resp: 966147

Ion Ratio Lower Upper

95 100

174 78.3 0.0 165.0

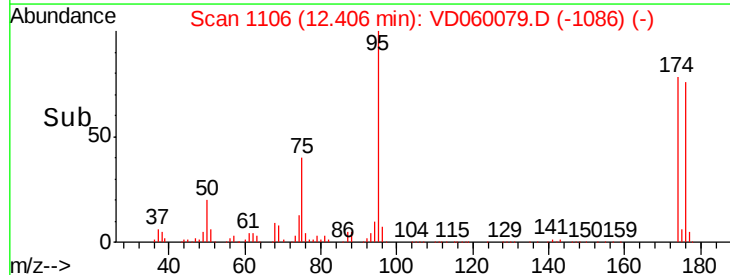
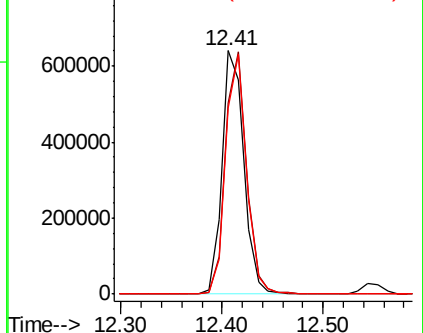
176 76.2 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





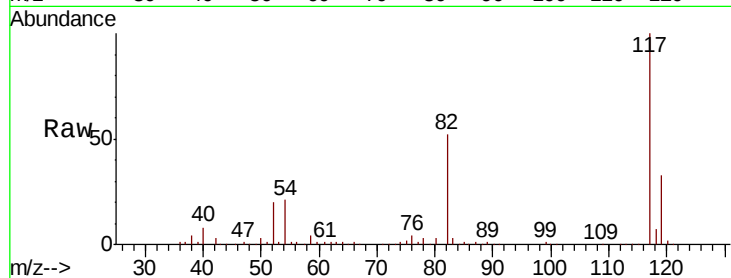
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 990
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBSD01

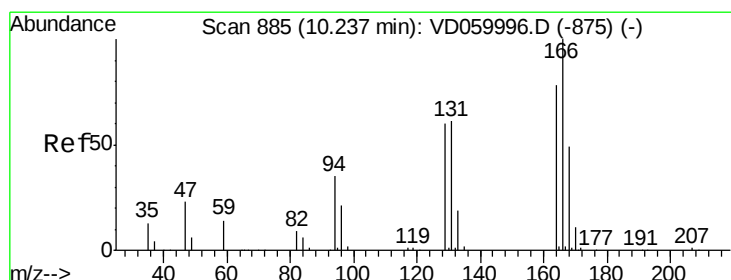
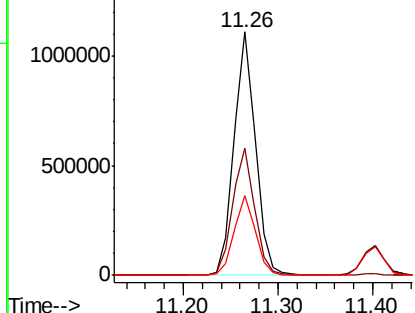
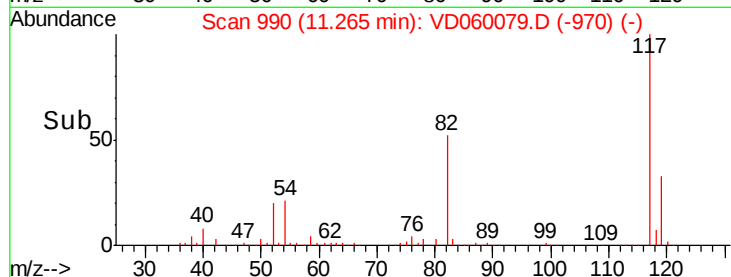
Tot Ion:117 Resp: 1752807
Ion Ratio Lower Upper
117 100
82 52.5 41.7 62.5
119 32.6 26.0 39.0

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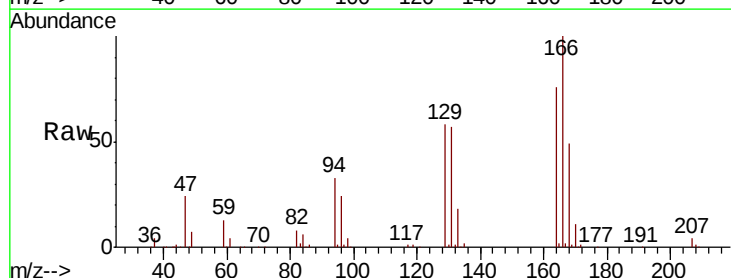


Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

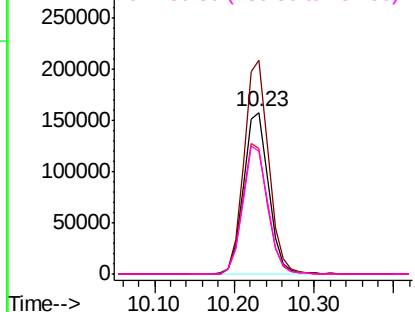
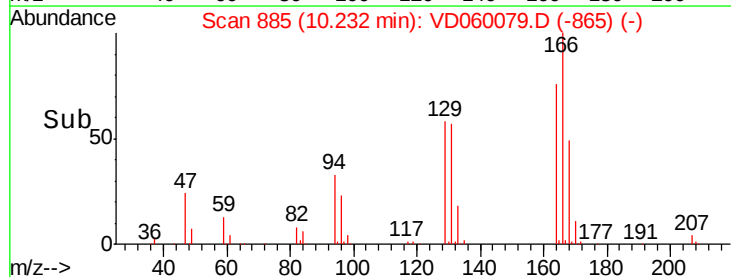


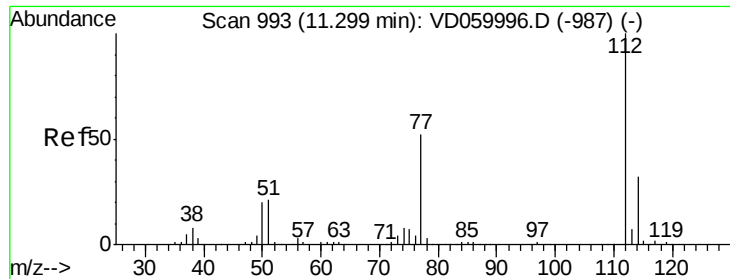
#64
Tetrachloroethene
Concen: 22.057 ug/l
RT: 10.23 min Scan# 885
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion:164 Resp: 341116
Ion Ratio Lower Upper
164 100
166 132.3 103.0 154.6
129 77.4 61.9 92.9
131 75.8 62.6 93.8



Abundance Ion 163.85 (163.55 to 164.55): V
300000 Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 22.931 ug/l

RT: 11.29 min Scan# 993

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion:112 Resp: 864131

Ion Ratio Lower Upper

112 100

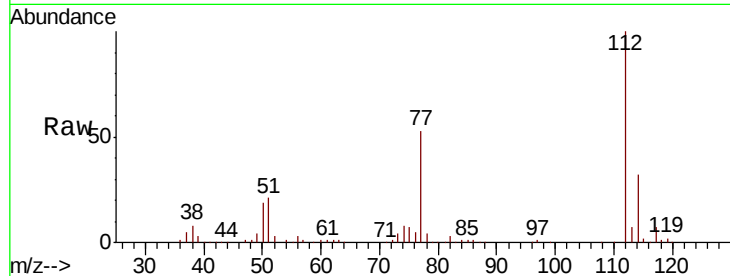
114 32.5 25.3 37.9

Manual Integrations

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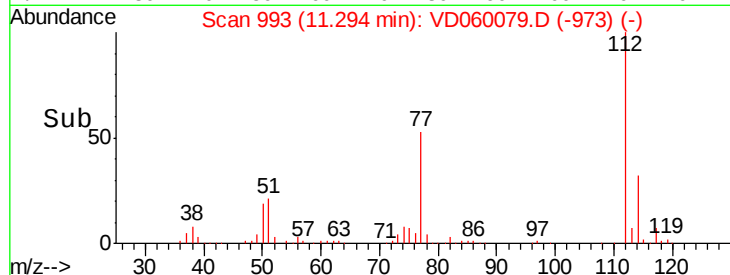
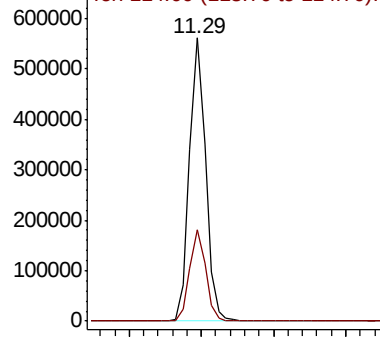
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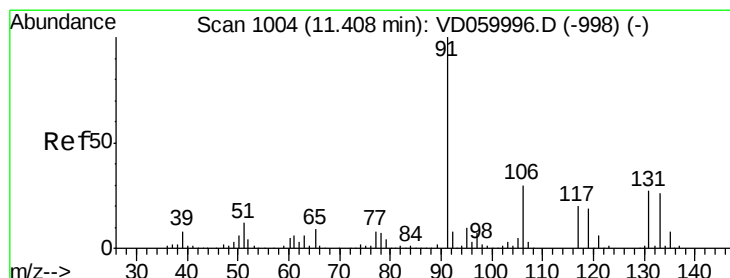


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 23.113 ug/l

RT: 11.40 min Scan# 1004

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

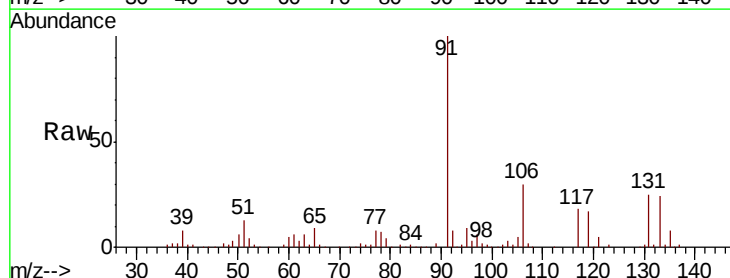
Tgt Ion:131 Resp: 293771

Ion Ratio Lower Upper

131 100

133 97.9 47.4 142.3

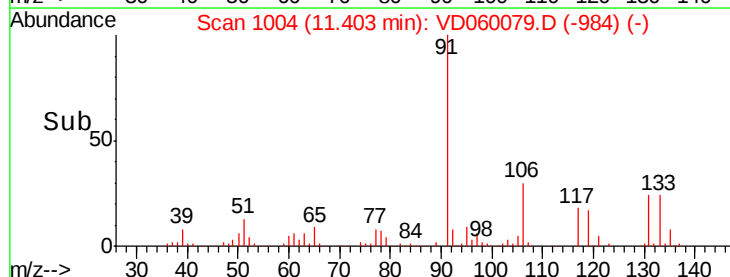
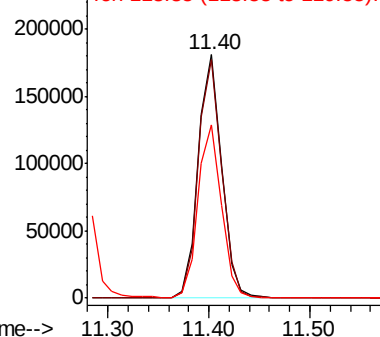
119 71.0 35.6 106.9



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



Time-->



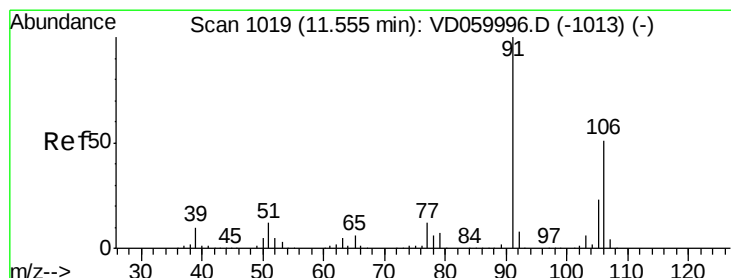
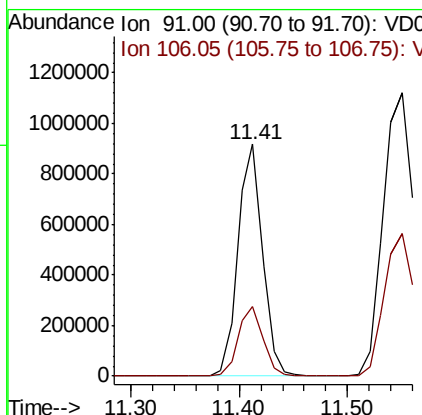
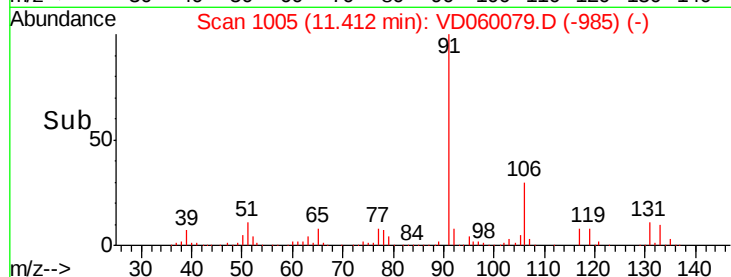
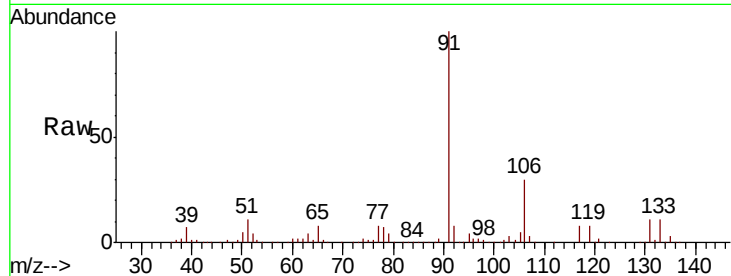
#67
Ethyl Benzene
Concen: 23.916 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion: 91 Resp: 1450404
Ion Ratio Lower Upper
91 100
106 29.9 24.8 37.2

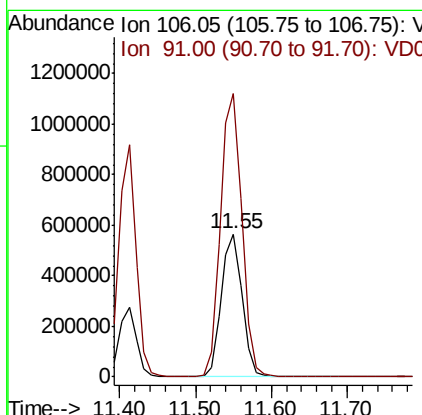
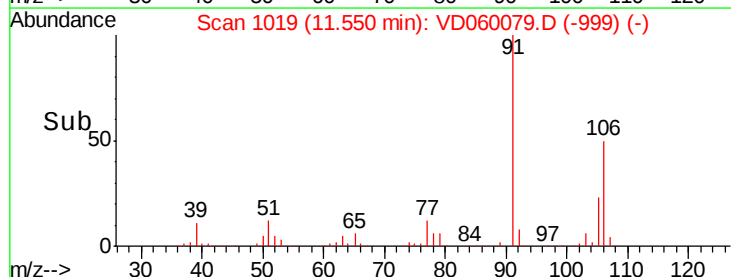
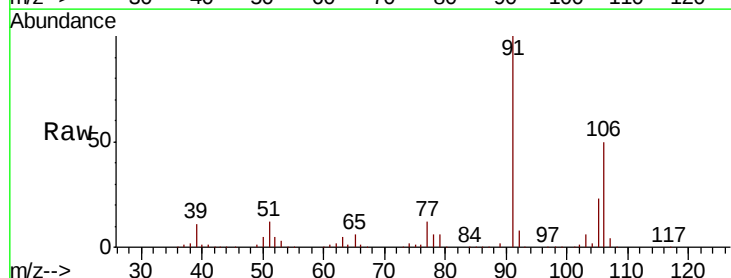
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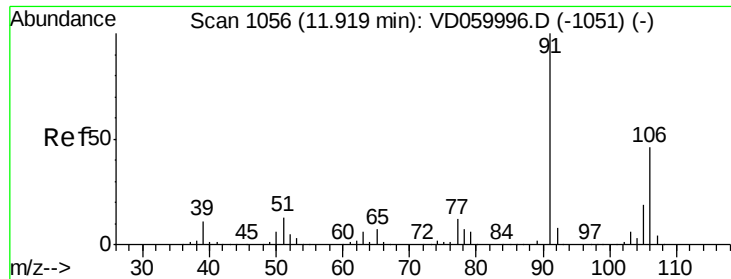
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#68
m/p-Xylenes
Concen: 48.430 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion:106 Resp: 1084723
Ion Ratio Lower Upper
106 100
91 198.1 157.0 235.6





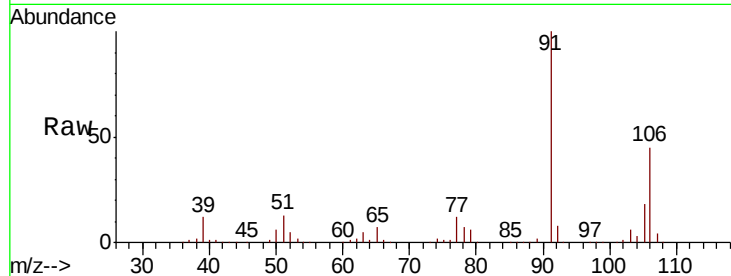
#69
o-Xylene
Concen: 23.110 ug/l
RT: 11.91 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleID :
VD0924SBS01

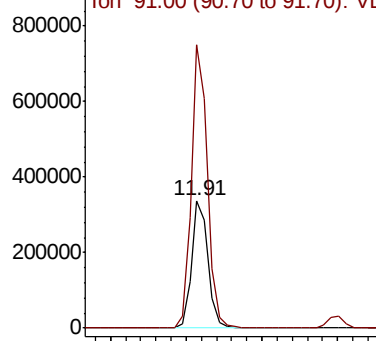
Tot Ion:106 Resp: 512868
Ion Ratio Lower Upper
106 100
91 222.1 107.7 323.1

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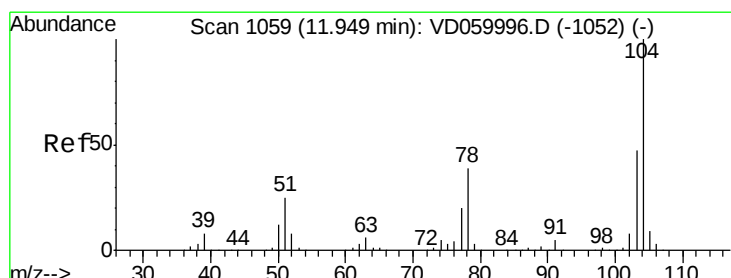
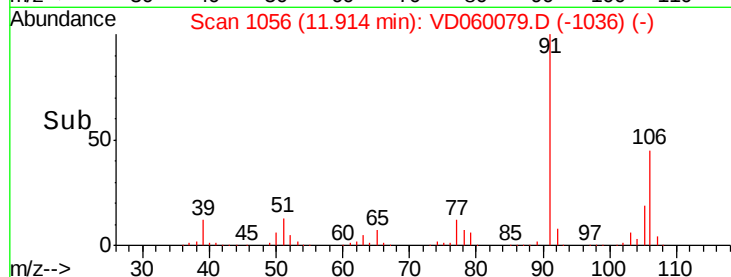
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Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

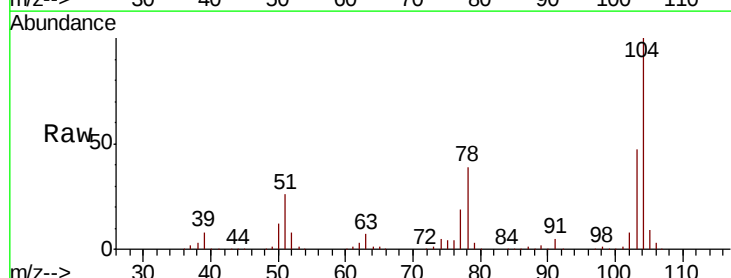


Time-->

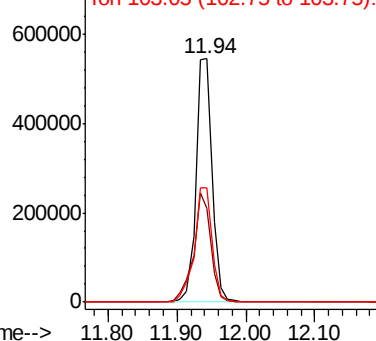


#70
Styrene
Concen: 23.677 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

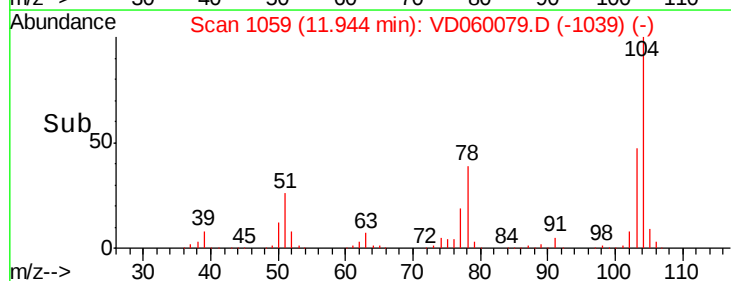
Tgt Ion:104 Resp: 883508
Ion Ratio Lower Upper
104 100
78 38.6 31.0 46.4
103 46.8 37.6 56.4

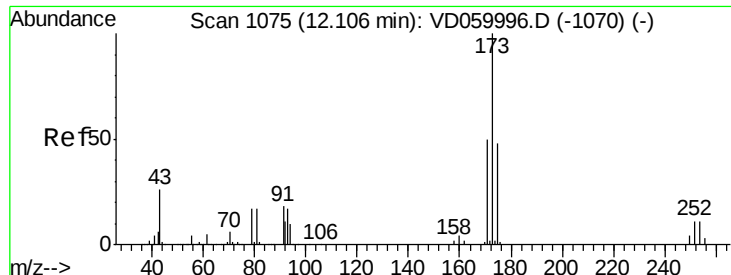


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time-->





#71

Bromoform

Concen: 20.578 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBSD01

Tot Ion:173 Resp: 224718

Ion Ratio Lower Upper

173 100

175 48.1 24.0 72.0

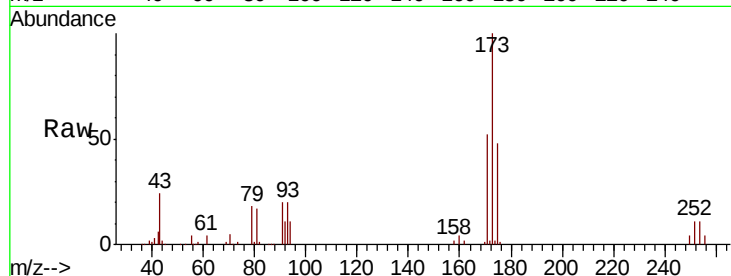
254 10.9 8.6 13.0

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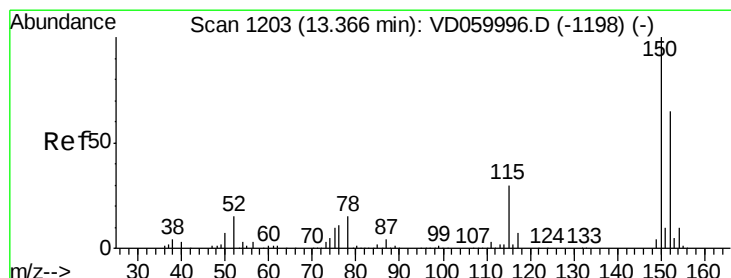
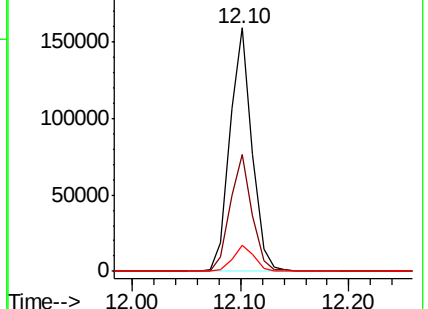
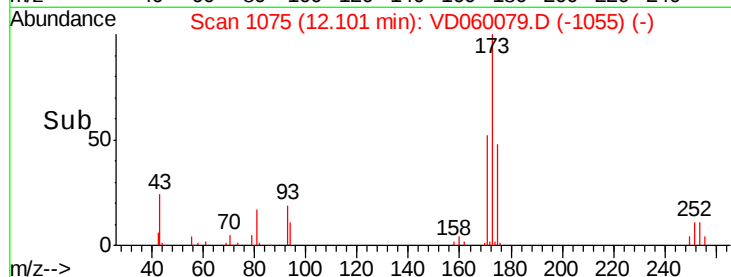
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Abundance Ion 172.80 (172.50 to 173.50): V

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: 13.36 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

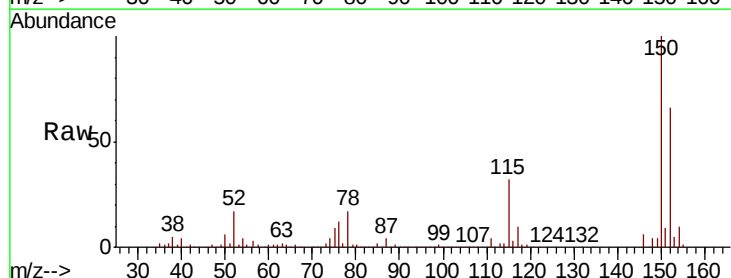
Tgt Ion:152 Resp: 946425

Ion Ratio Lower Upper

152 100

115 48.9 24.6 73.8

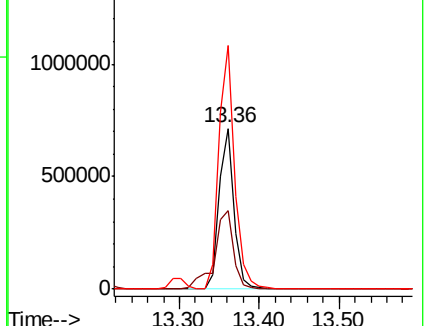
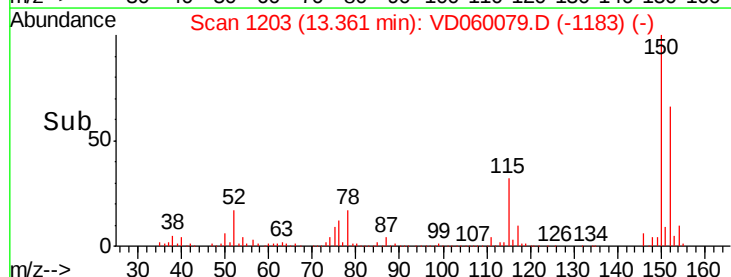
150 151.5 0.0 313.4

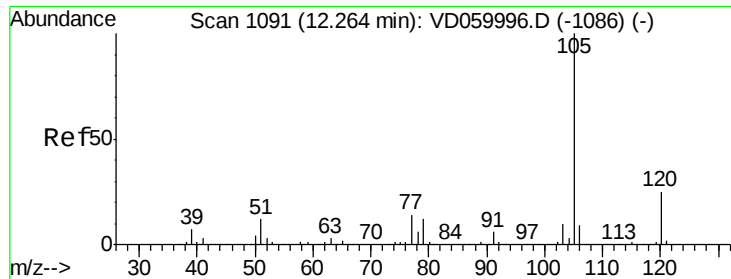


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.846 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 105 Resp: 1418050

Ion Ratio Lower Upper

105 100

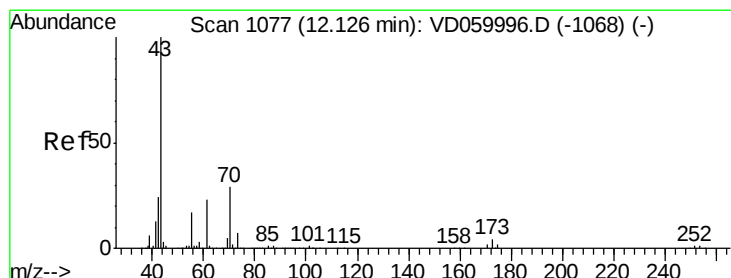
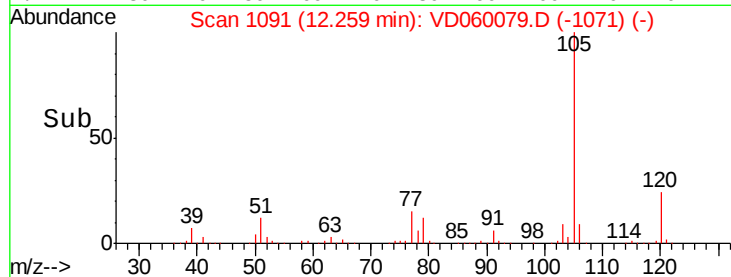
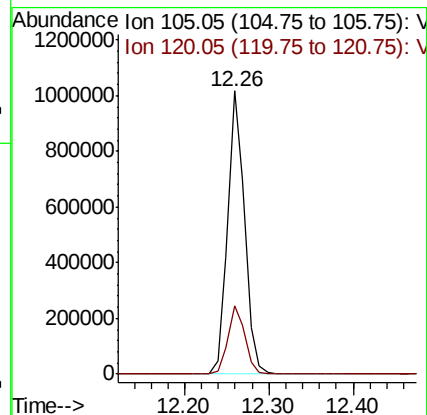
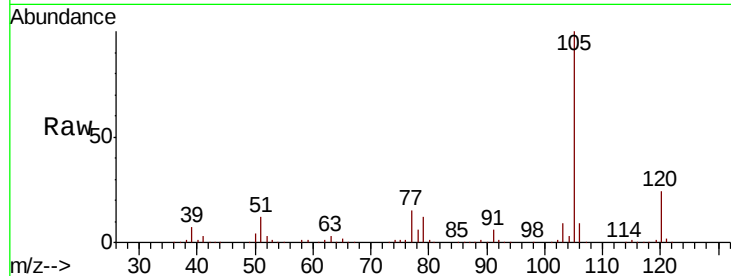
120 24.2 12.3 36.9

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#74

N-ethyl acetate

Concen: 21.938 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Tgt Ion: 43 Resp: 539394

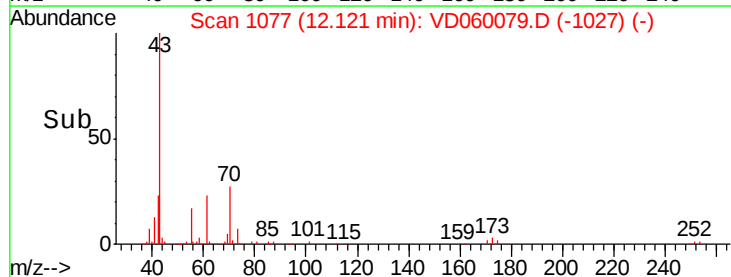
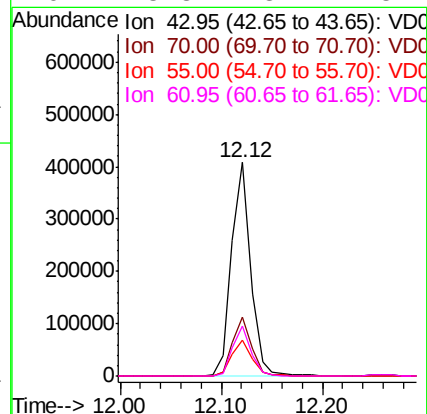
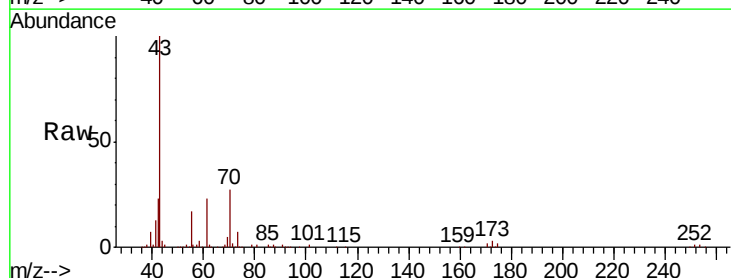
Ion Ratio Lower Upper

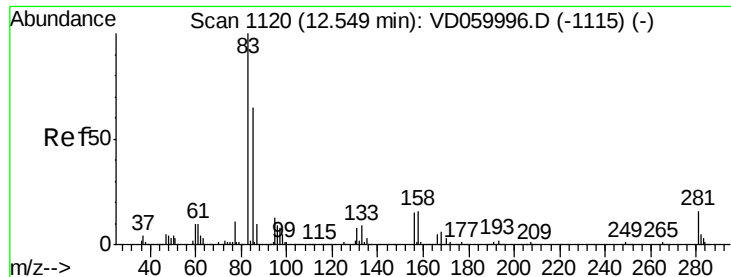
43 100

70 27.4 22.9 34.3

55 16.7 14.0 21.0

61 23.3 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.638 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 83 Resp: 318772

Ion Ratio Lower Upper

83 100

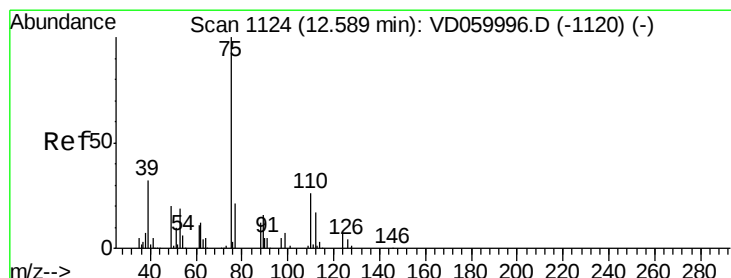
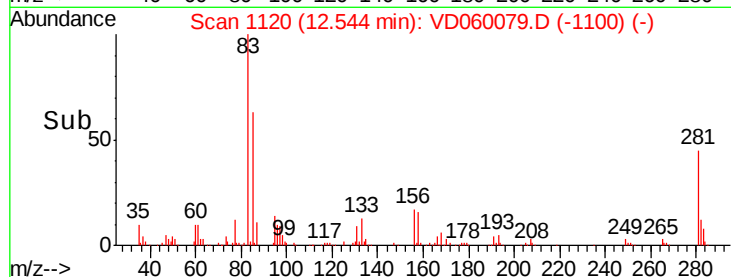
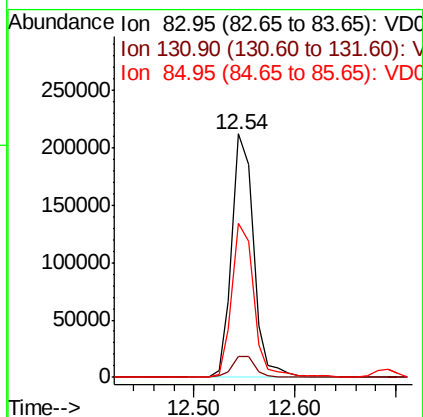
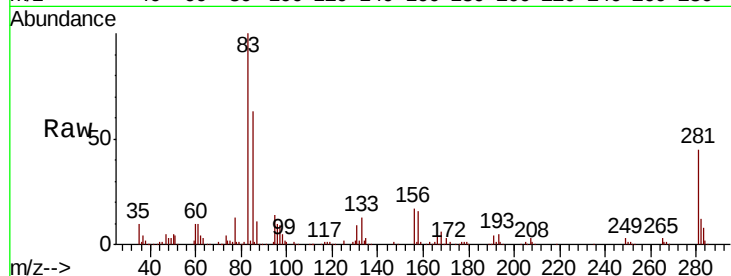
131 8.7 4.1 12.3

85 63.0 32.4 97.2

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#76

1,2,3-Trichloropropane

Concen: 20.841 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VD060079.D

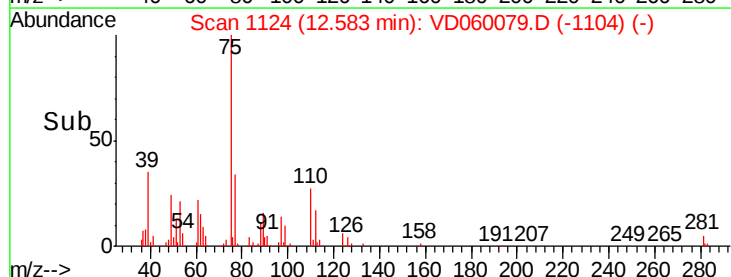
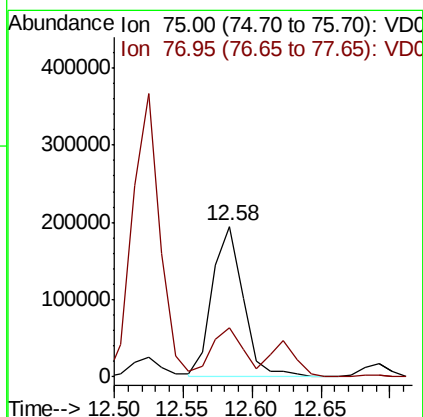
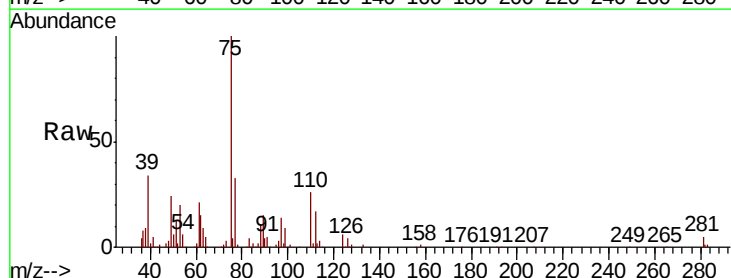
Acq: 24 Sep 2018 13:51

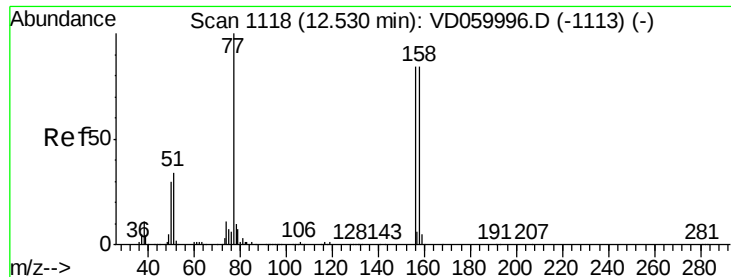
Tgt Ion: 75 Resp: 301244

Ion Ratio Lower Upper

75 100

77 32.8 16.4 49.4





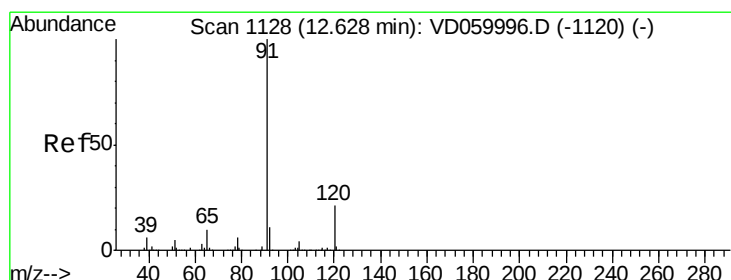
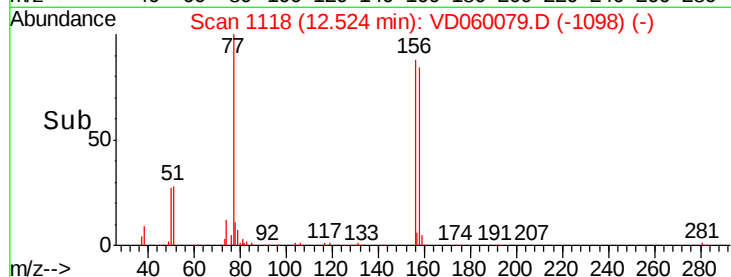
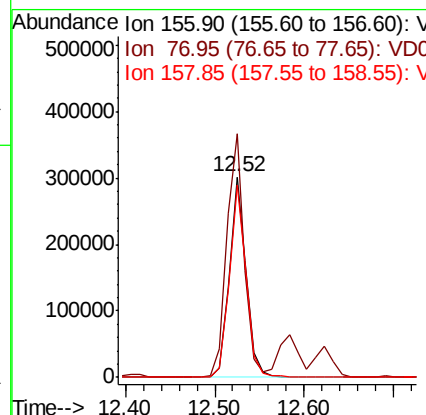
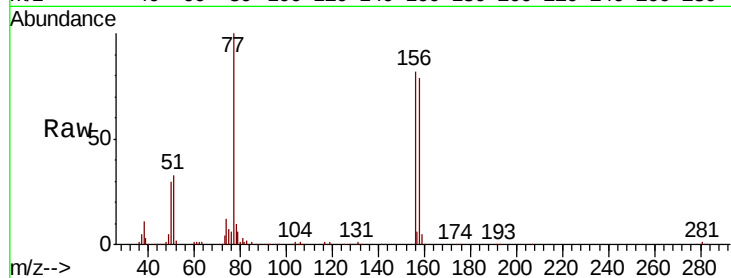
#77
Bromobenzene
Concen: 22.479 ug/l
RT: 12.52 min Scan# 1118
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	121.5	59.5	178.4
158	96.0	50.0	149.8

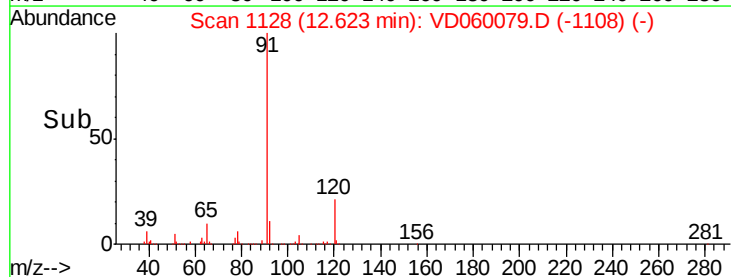
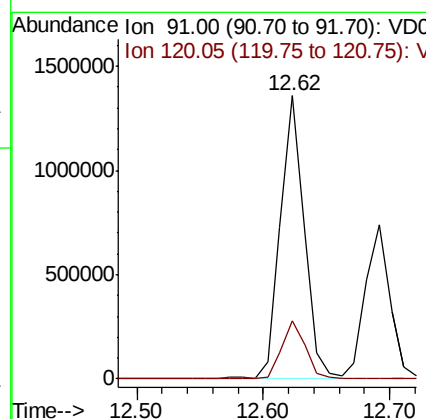
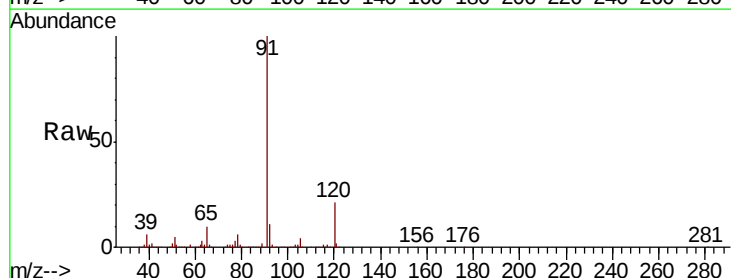
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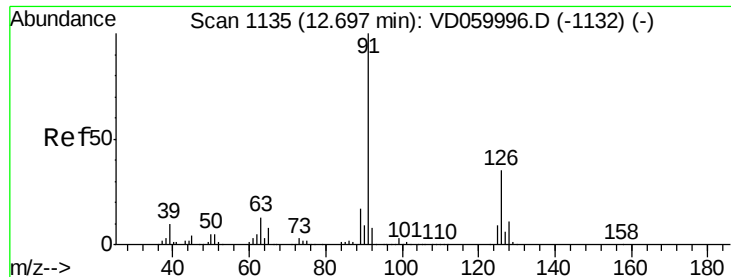
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#78
n-propylbenzene
Concen: 23.012 ug/l
RT: 12.62 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.5	10.7	31.9





#79

2-Chlorotoluene

Concen: 22.658 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VD060079.D

Acq: 24 Sep 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBSD01

Tot Ion: 91 Resp: 998204

Ion Ratio Lower Upper

91 100

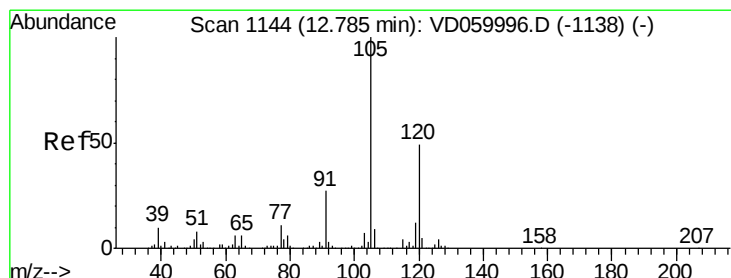
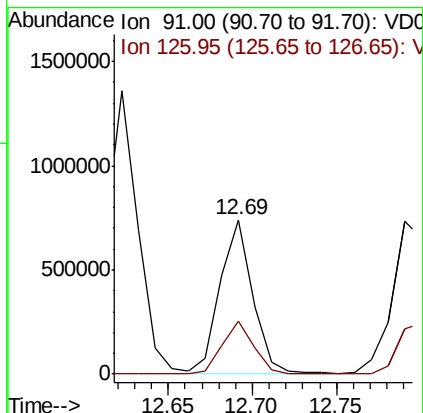
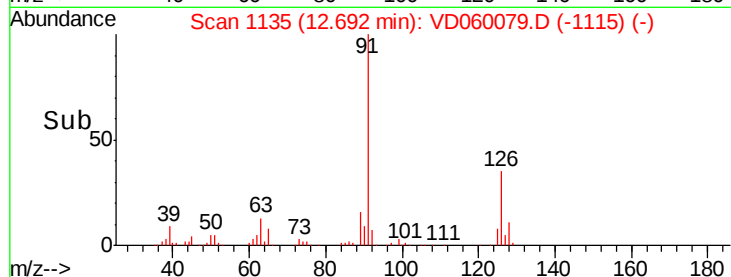
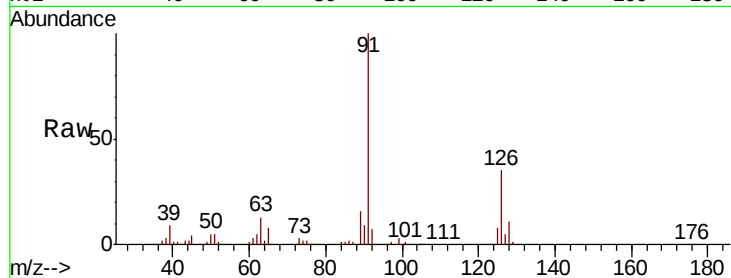
126 34.5 17.3 52.0

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#80

1,3,5-Trimethylbenzene

Concen: 24.171 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VD060079.D

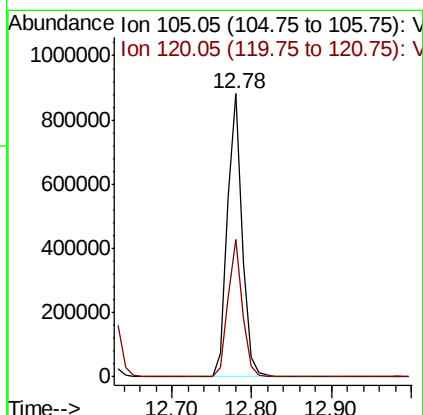
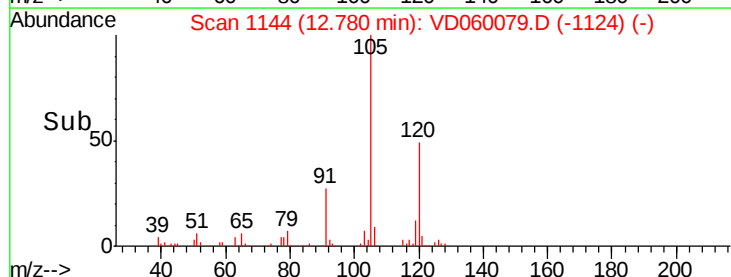
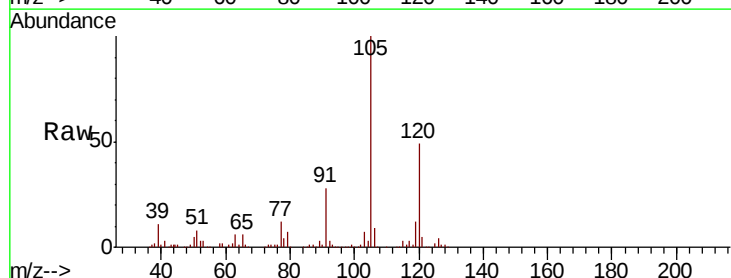
Acq: 24 Sep 2018 13:51

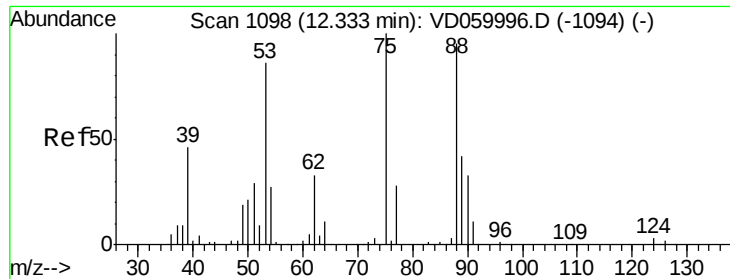
Tgt Ion:105 Resp: 1149945

Ion Ratio Lower Upper

105 100

120 48.6 24.4 73.2





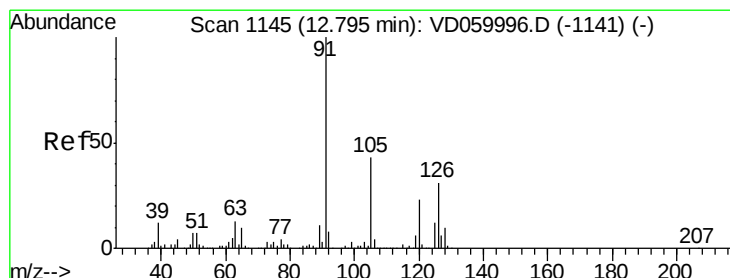
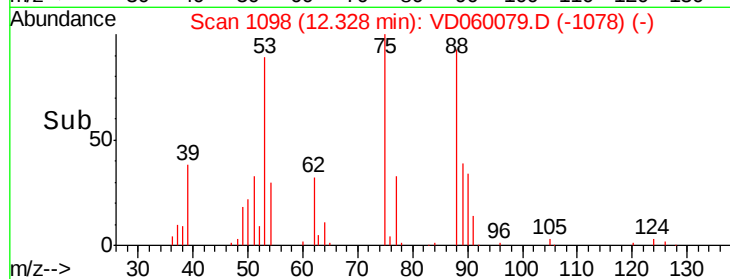
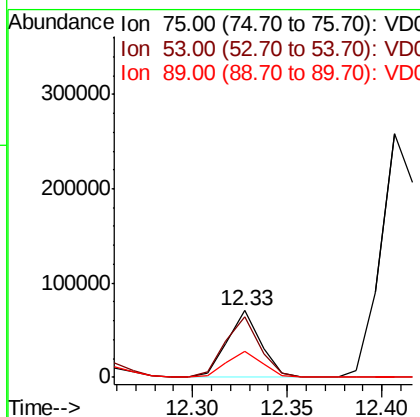
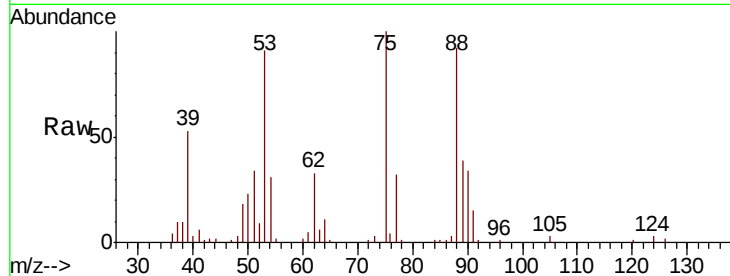
#81
trans-1,4-Dichloro-2-butene
Concen: 19.965 ug/l
RT: 12.33 min Scan# 1098
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.1	68.4	102.6
89	38.8	33.8	50.6

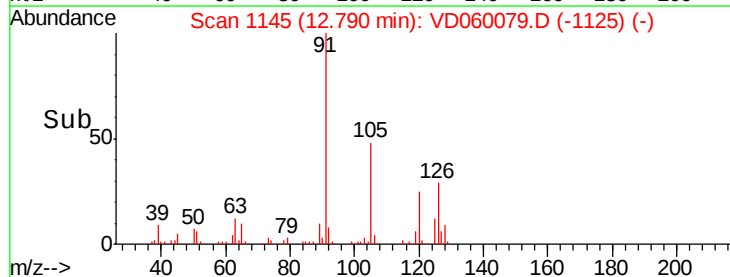
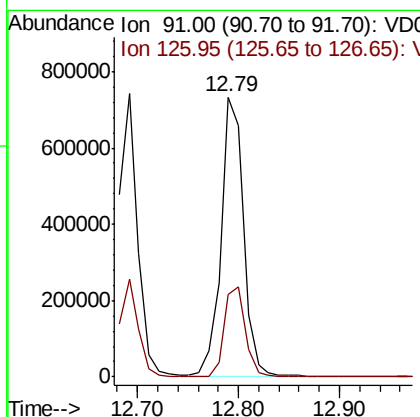
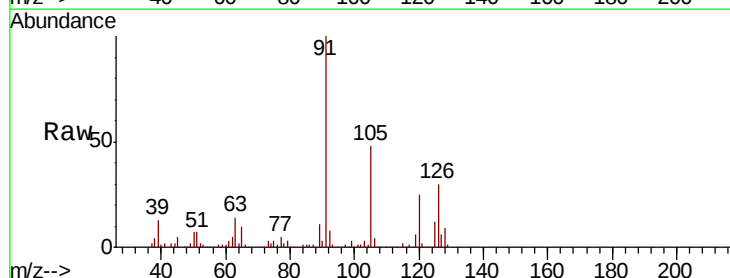
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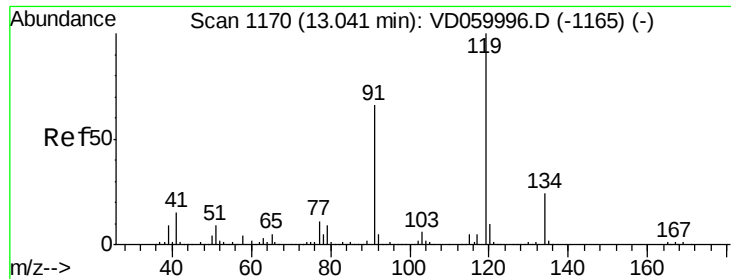
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#82
4-Chlorotoluene
Concen: 23.374 ug/l
RT: 12.79 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.5	15.4	46.1





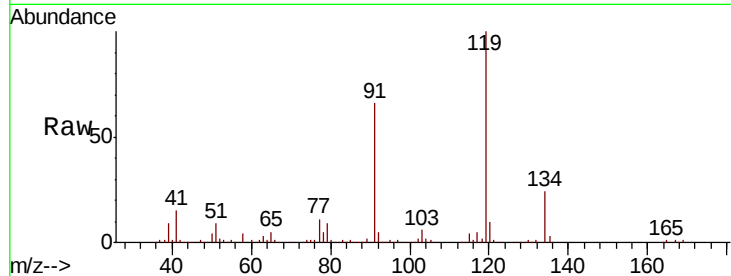
#83
tert-Butylbenzene
Concen: 22.849 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBSD01

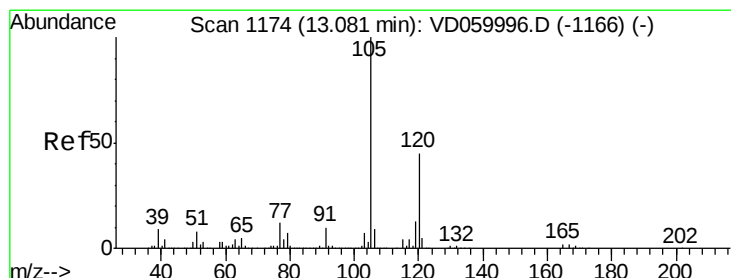
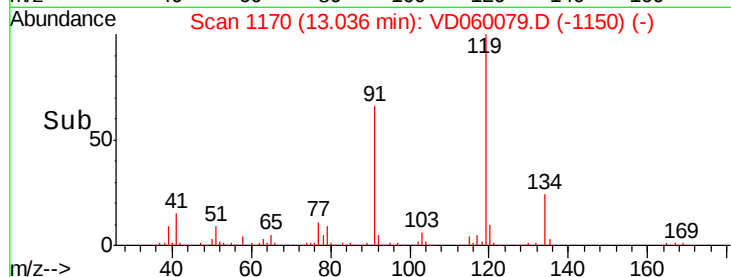
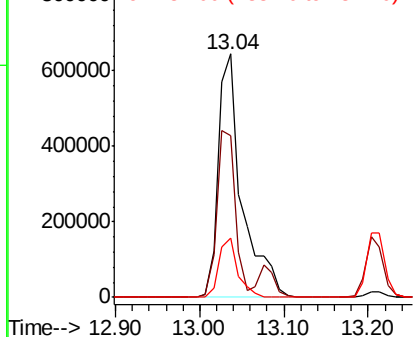
Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.9	98.6
134	24.1	12.0	36.0

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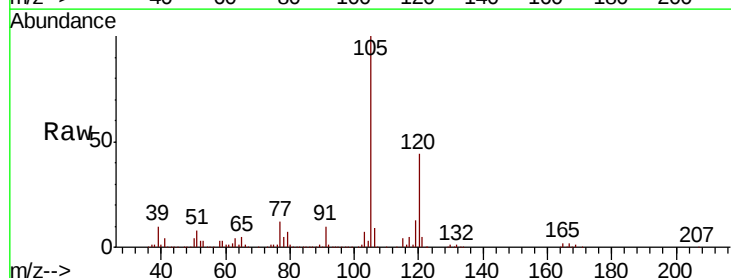


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

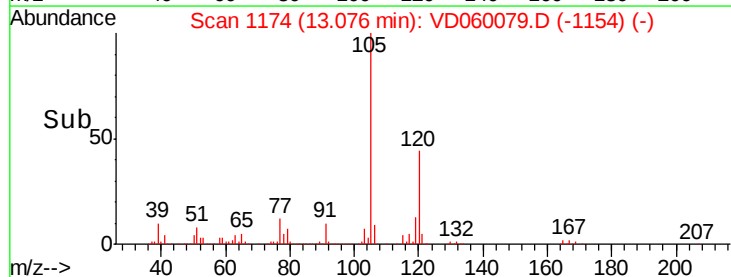
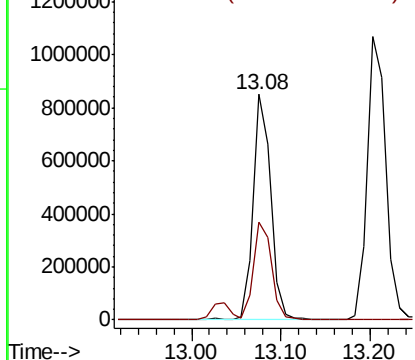


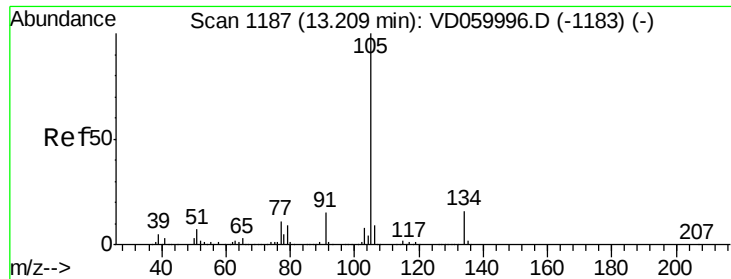
#84
1,2,4-Trimethylbenzene
Concen: 22.688 ug/l
RT: 13.08 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.4	67.0



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





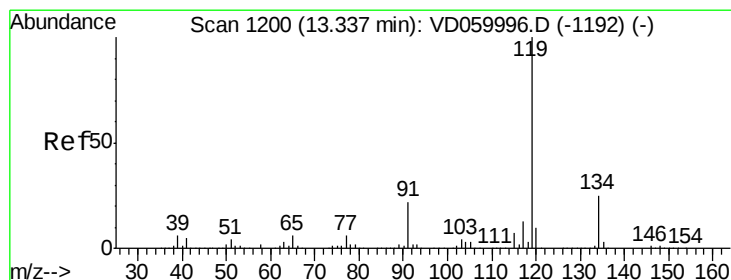
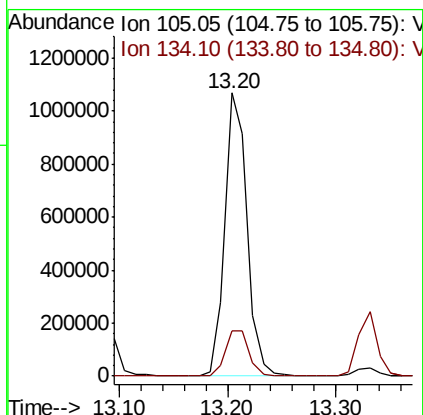
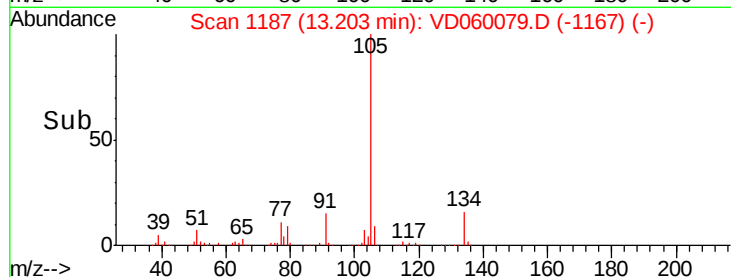
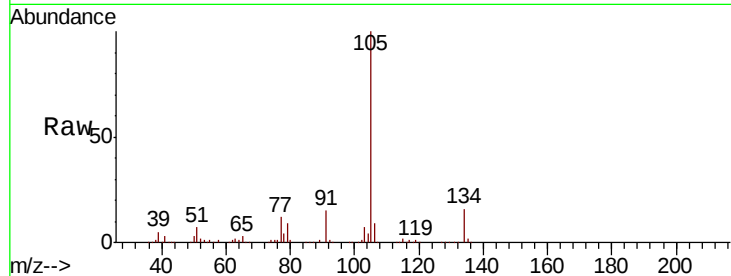
#85
 sec-Butylbenzene
 Concen: 23.157 ug/l
 RT: 13.20 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion:105 Resp: 1515064
 Ion Ratio Lower Upper
 105 100
 134 16.1 8.2 24.6

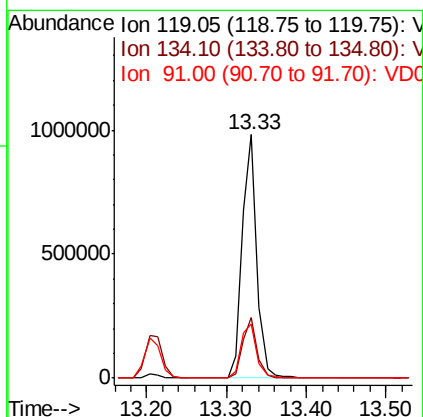
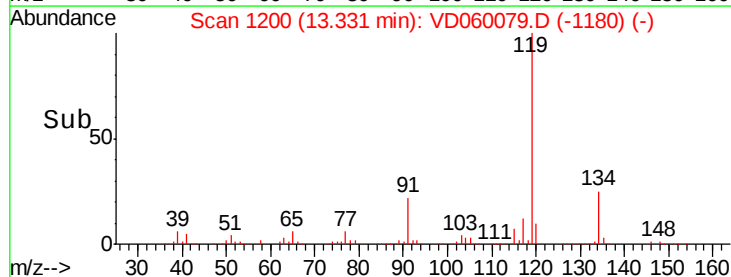
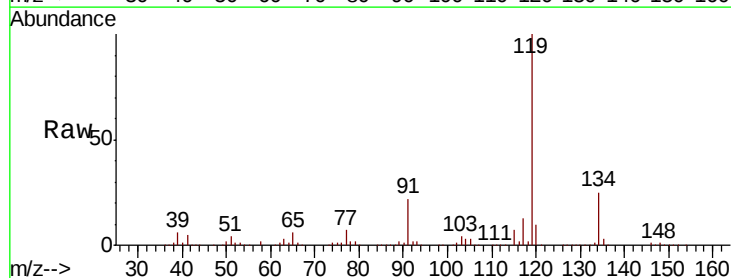
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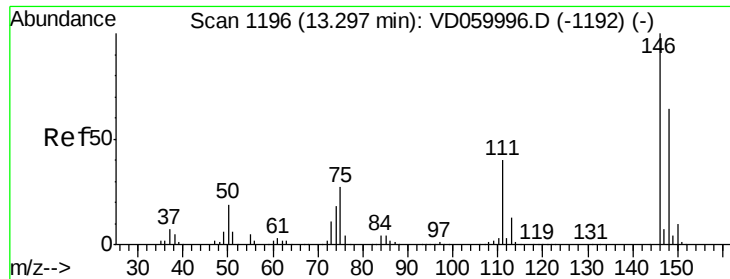
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#86
 p-Isopropyltoluene
 Concen: 23.433 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Tgt Ion:119 Resp: 1239982
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.8 38.3
 91 22.4 11.1 33.3





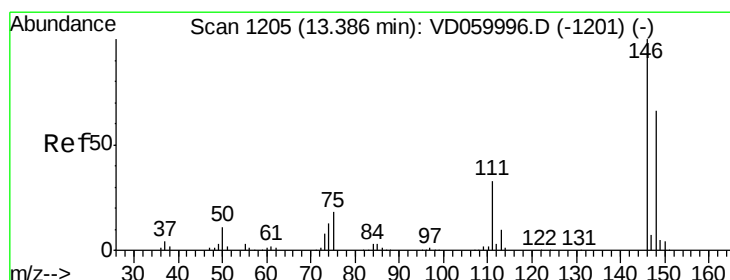
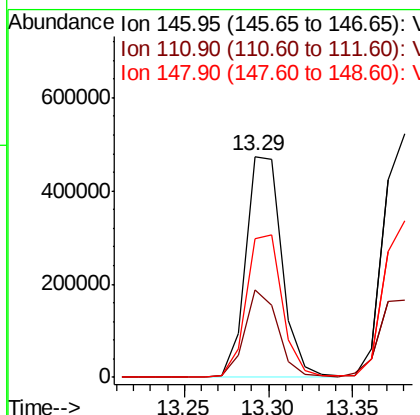
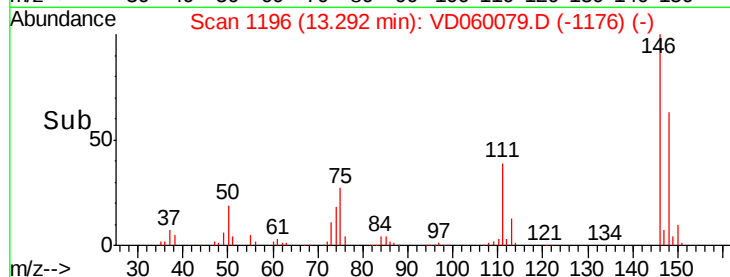
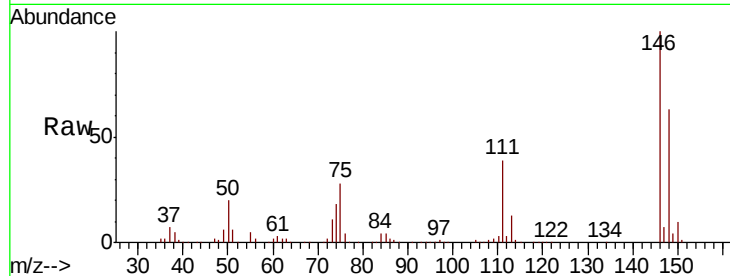
#87
 1,3-Dichlorobenzene
 Concen: 22.697 ug/l
 RT: 13.29 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.2	60.5
148	62.8	32.0	96.2

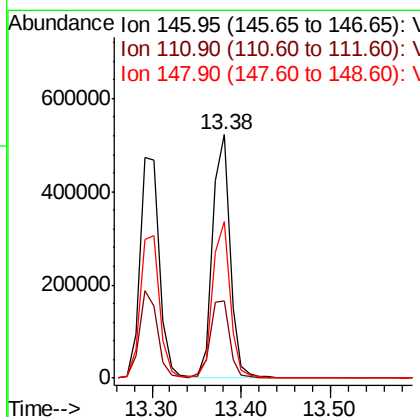
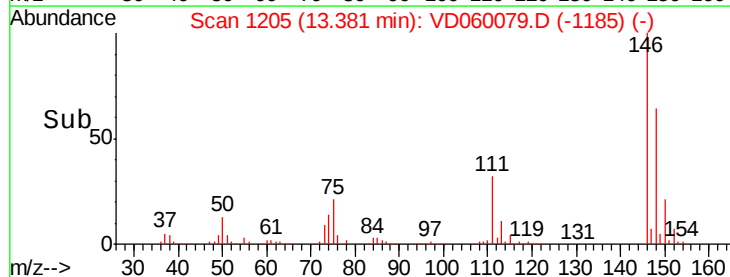
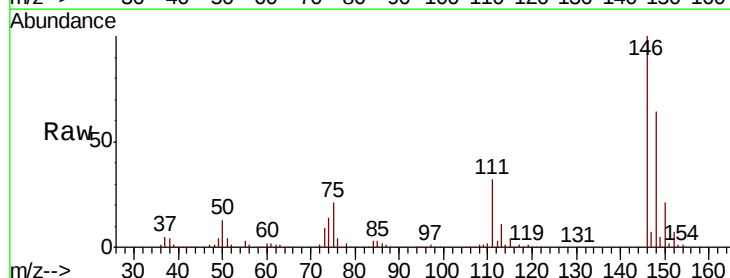
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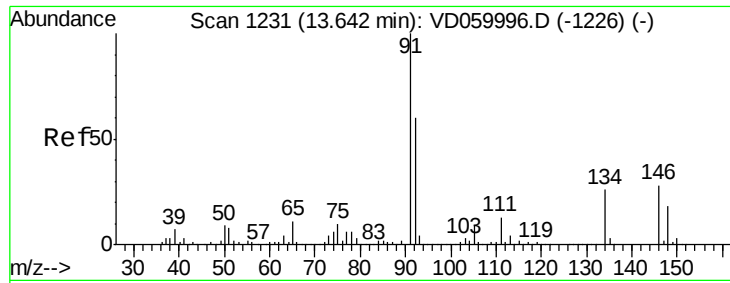
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#88
 1,4-Dichlorobenzene
 Concen: 22.517 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.8	16.7	50.0
148	64.2	32.9	98.6





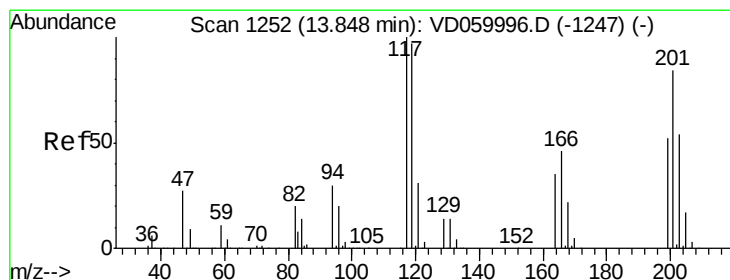
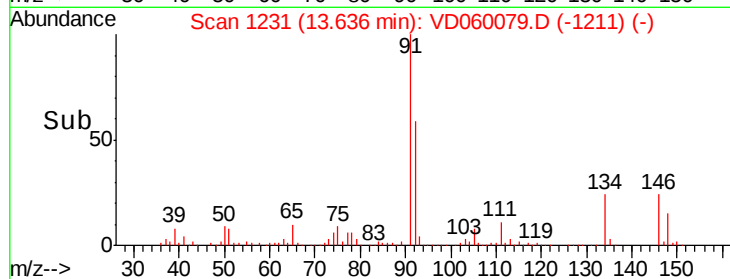
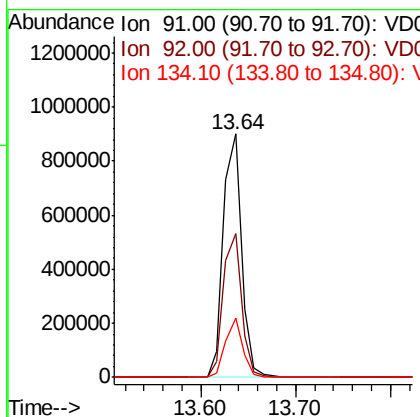
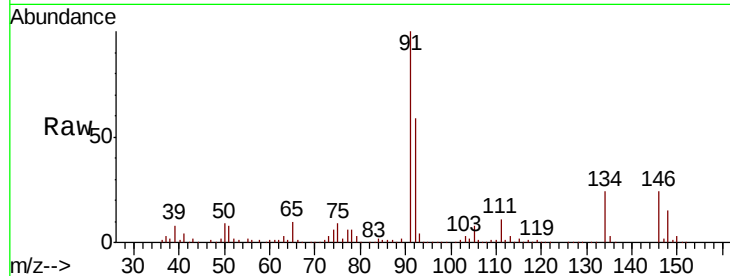
#89
n-Butylbenzene
Concen: 21.146 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion: 91 Resp: 1203974
Ion Ratio Lower Upper
91 100
92 59.2 29.8 89.3
134 24.3 13.2 39.6

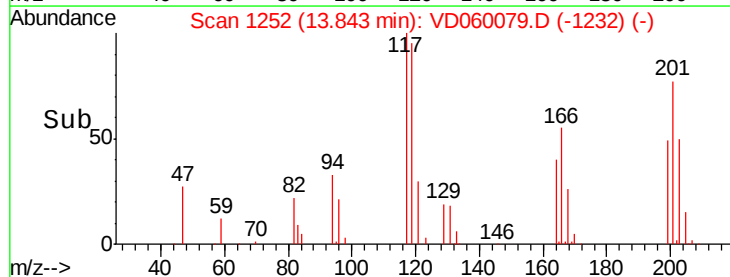
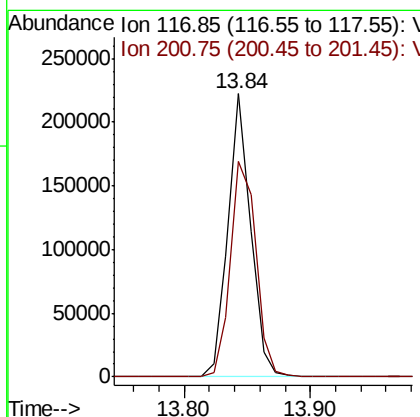
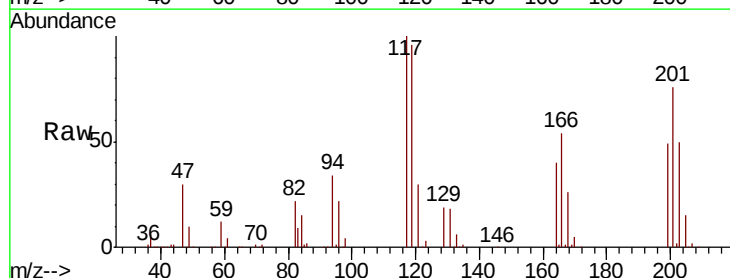
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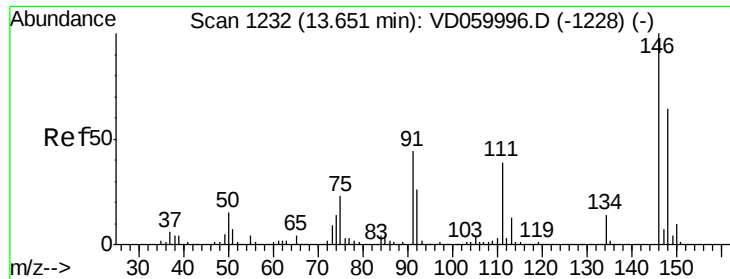
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#90
Hexachloroethane
Concen: 21.003 ug/l
RT: 13.84 min Scan# 1252
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion: 117 Resp: 275279
Ion Ratio Lower Upper
117 100
201 76.3 42.1 126.4





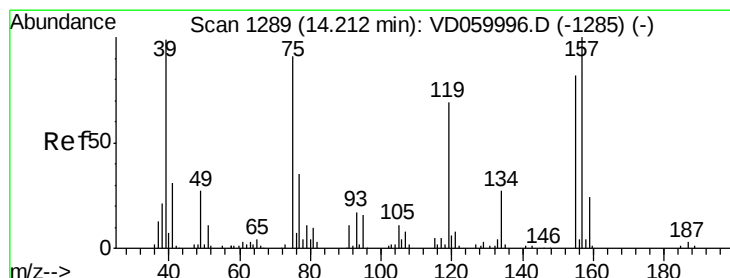
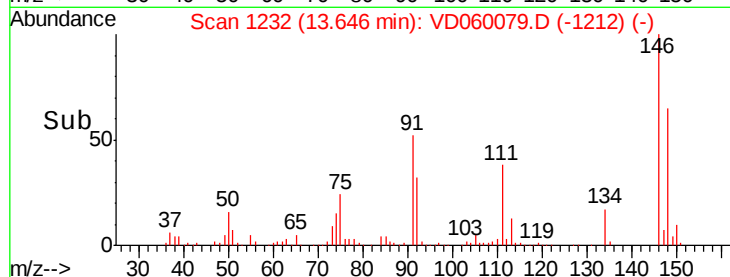
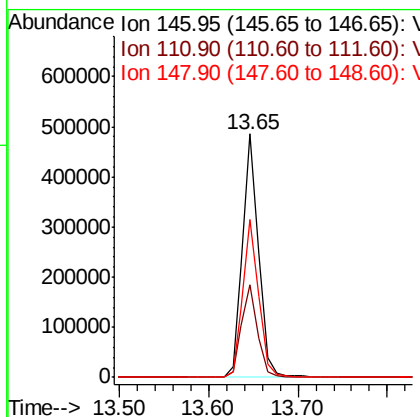
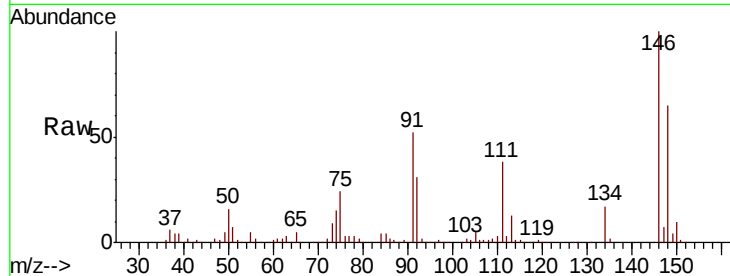
#91
 1,2-Dichlorobenzene
 Concen: 21.273 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.6	58.7
148	65.0	31.9	95.7

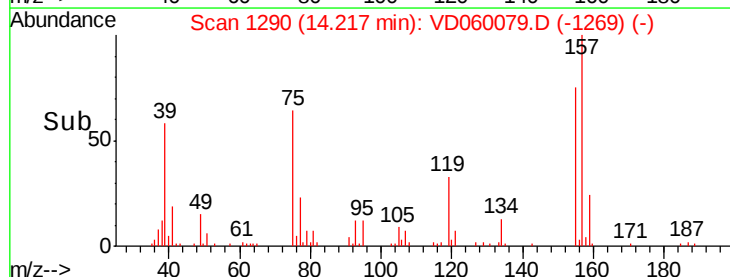
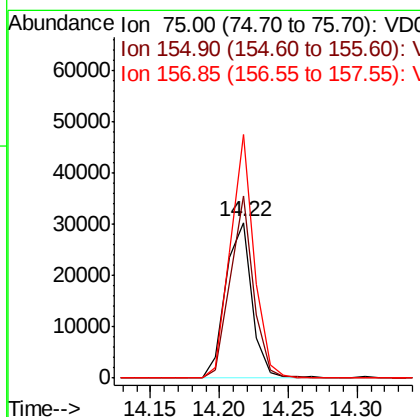
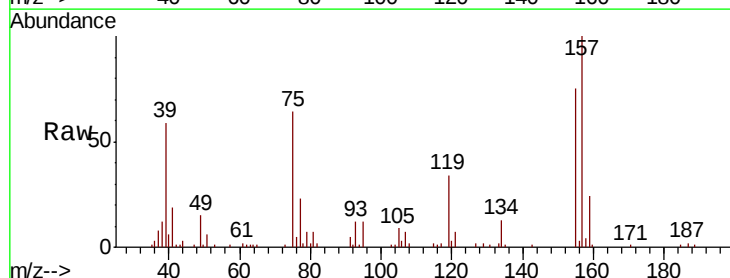
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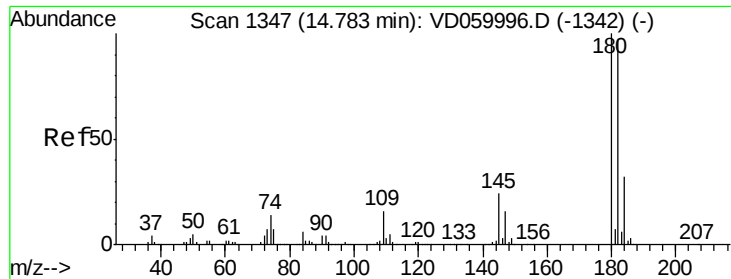
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.637 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	117.2	44.7	134.1
157	156.1	54.7	164.1





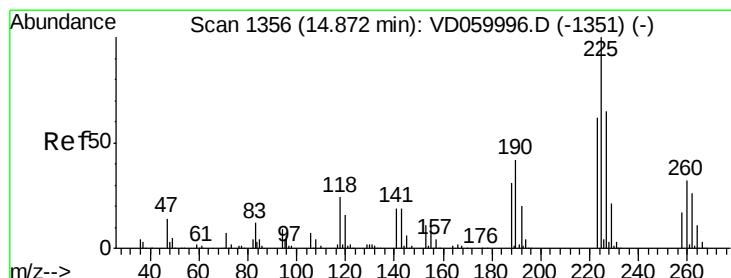
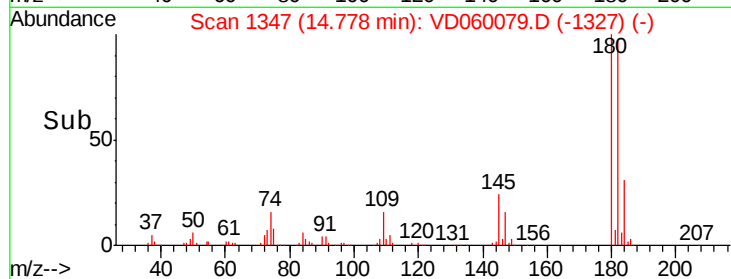
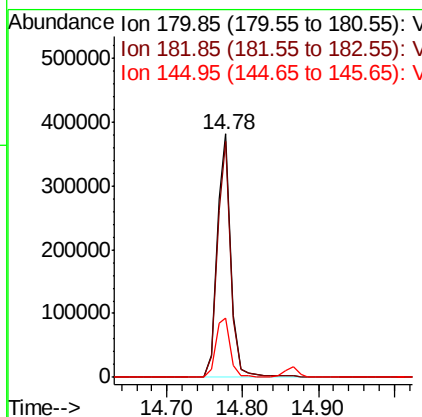
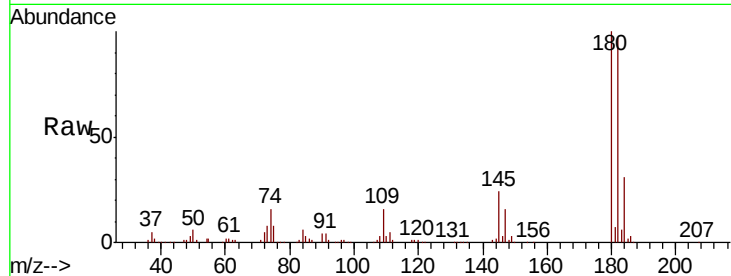
#93
 1,2,4-Trichlorobenzene
 Concen: 22.316 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	494453		
182	97.0	48.5	145.6	
145	24.3	11.9	35.7	

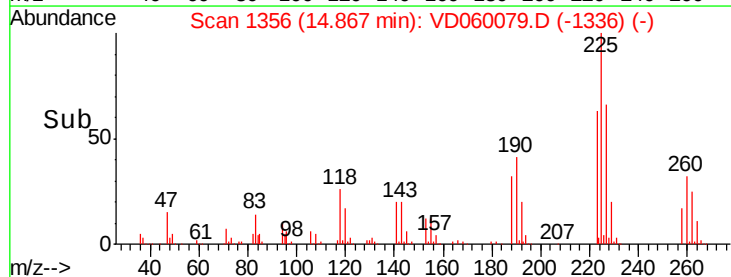
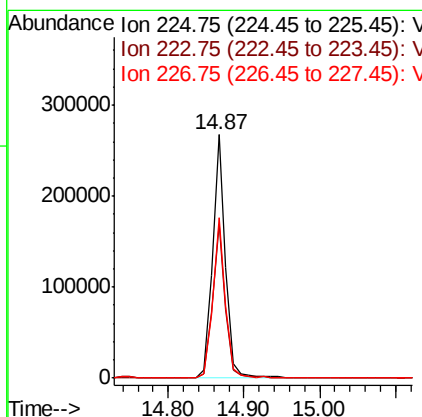
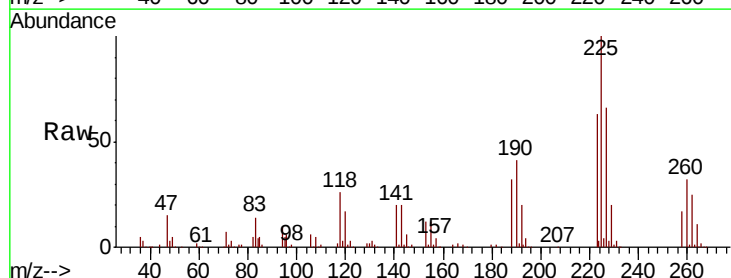
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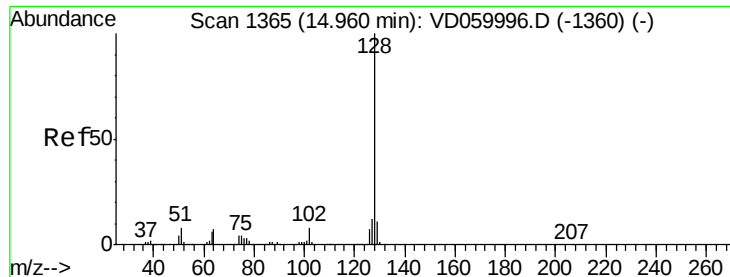
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#94
 Hexachlorobutadiene
 Concen: 21.997 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VD060079.D
 Acq: 24 Sep 2018 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	322412		
223	63.3	31.2	93.6	
227	65.6	32.3	96.8	





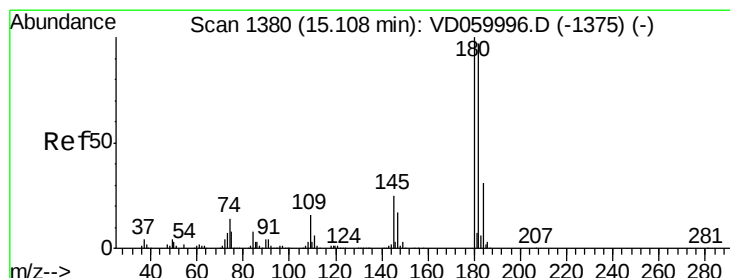
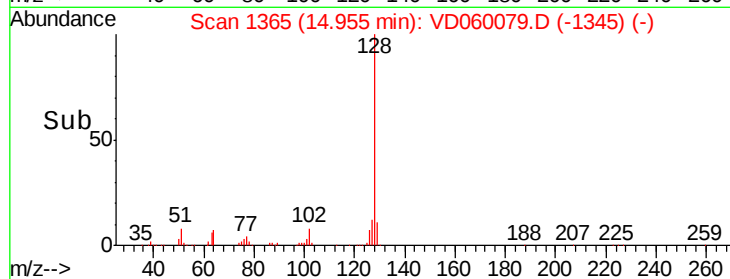
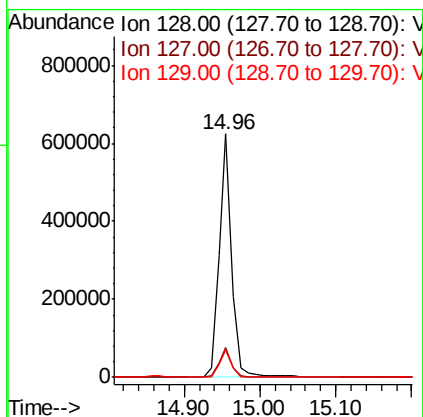
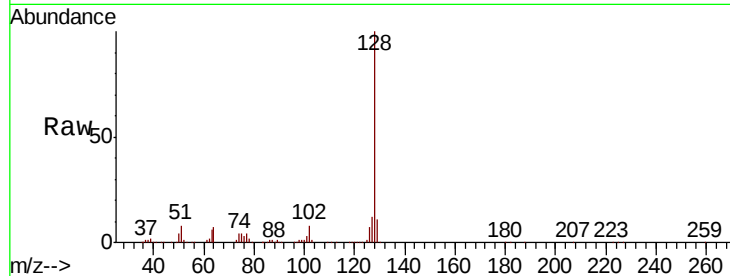
#95
Naphthalene
Concen: 21.436 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	733505		
127	12.4		9.7	14.5
129	11.1		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.422 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD060079.D
Acq: 24 Sep 2018 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	418291		
182	97.6		48.6	145.9
145	25.6		12.7	38.1

