

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100318\
 Data File : VD060120.D
 Acq On : 3 Oct 2018 16:12
 Operator : VA/AP
 Sample : VD1003SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Manual Integrations
 APPROVED

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 10/4/2018 4:44:59 PM

Quant Time: Oct 04 04:53:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1388492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	1970469	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1604947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	888528	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	594041	56.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.88%	
35) Dibromofluoromethane	6.30	113	770661	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	9.44	98	2152854	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.43	95	837192	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	244045	18.685	ug/l	99
3) Chloromethane	1.75	50	250381	21.259	ug/l	98
4) Vinyl Chloride	1.84	62	185415	19.237	ug/l	97
5) Bromomethane	2.12	94	20857	17.234	ug/l	97
6) Chloroethane	2.23	64	43652	16.596	ug/l	98
7) Trichlorofluoromethane	2.49	101	211710	18.345	ug/l	99
8) Diethyl Ether	2.81	74	50918	21.456	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.07	101	146272	20.345	ug/l	100
10) Methyl Iodide	3.22	142	121174	15.893	ug/l	96
11) Tert butyl alcohol	3.96	59	91169	120.780	ug/l	98
12) 1,1-Dichloroethene	3.05	96	116271	20.528	ug/l	94
13) Acrolein	2.97	56	52332	112.465	ug/l	92
14) Allyl chloride	3.51	41	243060	20.662	ug/l	98
15) Acrylonitrile	4.07	53	378229	121.058	ug/l	98
16) Acetone	3.15	43	259335	135.792	ug/l	97
17) Carbon Disulfide	3.29	76	378608	19.878	ug/l	98
18) Methyl Acetate	3.54	43	88741	21.619	ug/l	100
19) Methyl tert-butyl Ether	4.11	73	565998	22.728	ug/l	100
20) Methylene Chloride	3.70	84	471111	29.583	ug/l	97
21) trans-1,2-Dichloroethene	4.08	96	302181	20.657	ug/l	98
22) Diisopropyl ether	4.84	45	1170872	22.287	ug/l	95
23) Vinyl Acetate	4.79	43	3611535	122.298	ug/l	100
24) 1,1-Dichloroethane	4.73	63	496775	20.855	ug/l	100
25) 2-Butanone	5.61	43	664815	139.341	ug/l	98
26) 2,2-Dichloropropane	5.57	77	393937	21.815	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	323873	20.897	ug/l	92
28) Bromochloromethane	5.91	49	254762	22.009	ug/l	94
29) Tetrahydrofuran	5.94	42	340778	122.966	ug/l	99
30) Chloroform	6.09	83	517952	21.496	ug/l	97
31) Cyclohexane	6.34	56	431009	18.902	ug/l	98
32) 1,1,1-Trichloroethane	6.27	97	408251	20.681	ug/l	98
36) 1,1-Dichloropropene	6.50	75	380328	20.198	ug/l	98
37) Ethyl Acetate	5.68	43	280642	22.454	ug/l	99
38) Carbon Tetrachloride	6.48	117	345623	20.224	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	422909	19.767	ug/l	97
40) Benzene	6.78	78	1002293	20.347	ug/l	99
41) Methacrylonitrile	5.92	41	164726m	23.318	ug/l	
42) 1,2-Dichloroethane	6.87	62	306612	21.710	ug/l	100
43) Isopropyl Acetate	8.34	43	376956	22.925	ug/l	98
44) Trichloroethene	7.73	130	302636	19.846	ug/l	94
45) 1,2-Dichloropropane	8.09	63	265575	20.589	ug/l	97
46) Dibromomethane	8.20	93	182731	21.882	ug/l	97
47) Bromodichloromethane	8.48	83	382326	21.487	ug/l	99
48) Methyl methacrylate	8.23	41	215914	23.053	ug/l	99
49) 1,4-Dioxane	8.21	88	44744	485.528	ug/l	96
51) 4-Methyl-2-Pentanone	9.33	43	1220022	117.637	ug/l	98
52) Toluene	9.54	92	656964	20.708	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	353118	21.933	ug/l	97
54) cis-1,3-Dichloropropene	9.09	75	426573	21.456	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	230911	22.264	ug/l	98
56) Ethyl methacrylate	10.02	69	255263	22.296	ug/l	95
57) 1,3-Dichloropropane	10.38	76	343603	21.722	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.91	63	740734	116.511	ug/l	96
59) 2-Hexanone	10.48	43	952385	127.706	ug/l	99
60) Dibromochloromethane	10.63	129	274082	21.538	ug/l	100
61) 1,2-Dibromoethane	10.75	107	238184	21.614	ug/l	99
64) Tetrachloroethene	10.24	164	278501	19.812	ug/l	97
65) Chlorobenzene	11.30	112	728843	20.991	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	255928	22.095	ug/l	99
67) Ethyl Benzene	11.42	91	1224519	21.768	ug/l	98
68) m/p-Xylenes	11.56	106	902790	42.952	ug/l	99
69) o-Xylene	11.93	106	439933	21.161	ug/l	100
70) Styrene	11.95	104	745470	21.442	ug/l	99
71) Bromoform	12.11	173	197235	21.029	ug/l	97
73) Isopropylbenzene	12.27	105	1188111	20.269	ug/l	98
74) N-amyl acetate	12.13	43	467562	21.776	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	278992	21.801	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	283474	22.154	ug/l	100
77) Bromobenzene	12.53	156	337273	19.800	ug/l	98
78) n-propylbenzene	12.63	91	1467122	20.157	ug/l	100
79) 2-Chlorotoluene	12.70	91	821845	20.344	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	947106	20.876	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	76412	21.252	ug/l	97
82) 4-Chlorotoluene	12.81	91	972007	21.273	ug/l	100
83) tert-Butylbenzene	13.04	119	1049933	20.167	ug/l	95
84) 1,2,4-Trimethylbenzene	13.08	105	963662	20.154	ug/l	93
85) sec-Butylbenzene	13.22	105	1236457	20.087	ug/l	97
86) p-Isopropyltoluene	13.34	119	1022786	20.258	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	604151	20.357	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	615876	20.660	ug/l	98
89) n-Butylbenzene	13.65	91	1041631	21.144	ug/l	98
90) Hexachloroethane	13.85	117	219524	18.787	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	538936	21.597	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	36489	21.355	ug/l	96

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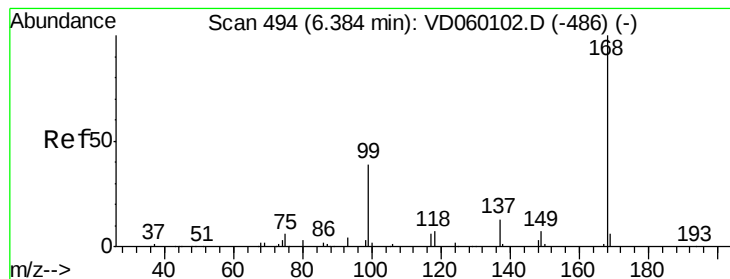
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	433179	20.452	ug/l	99
94) Hexachlorobutadiene	14.88	225	270492	19.213	ug/l	99
95) Naphthalene	14.96	128	661585	21.072	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	379651	20.605	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion:168 Resp: 1388492

Ion Ratio Lower Upper

168 100

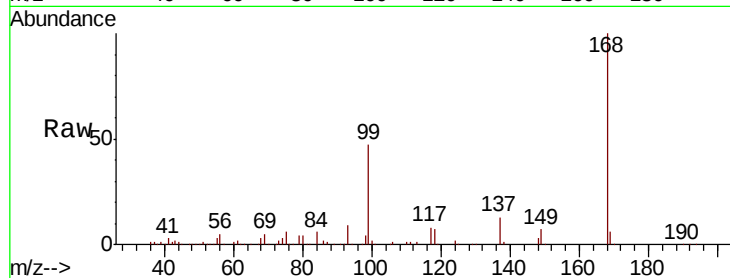
99 46.8 35.4 53.0

Manual Integrations

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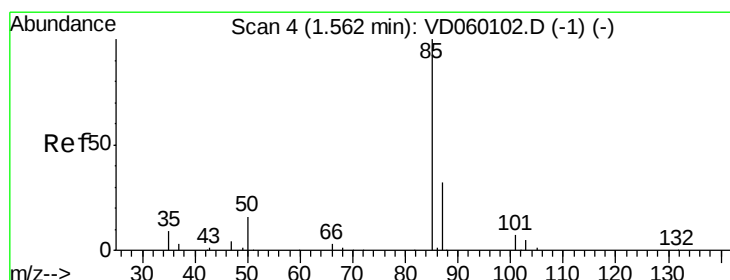
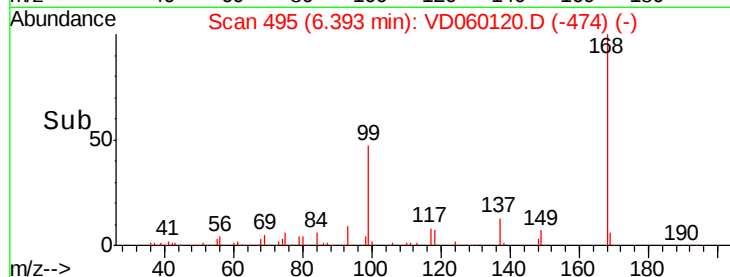
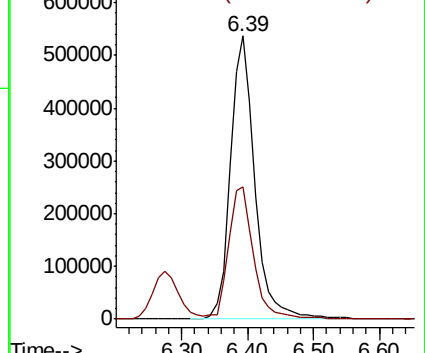
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.685 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060120.D

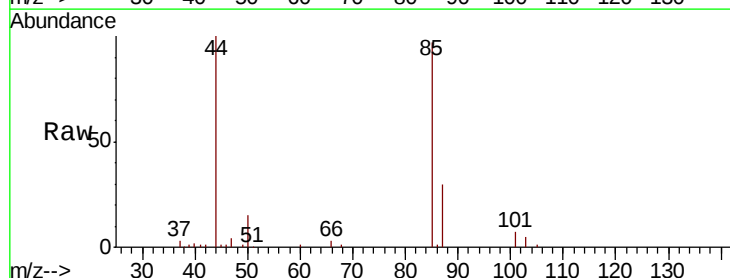
Acq: 3 Oct 2018 16:12

Tgt Ion: 85 Resp: 244045

Ion Ratio Lower Upper

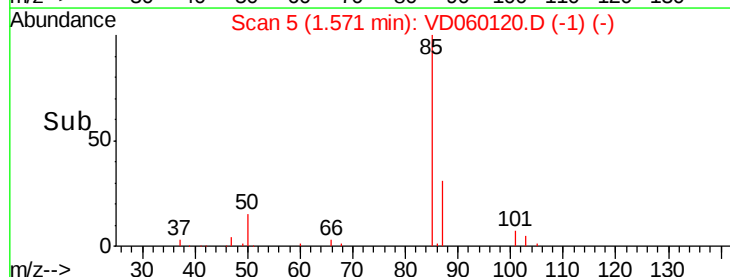
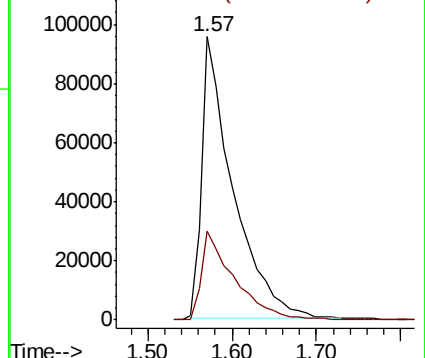
85 100

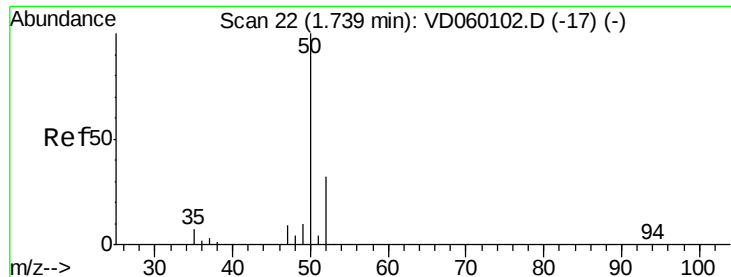
87 31.3 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.259 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 50 Resp: 250381

Ion Ratio Lower Upper

50 100

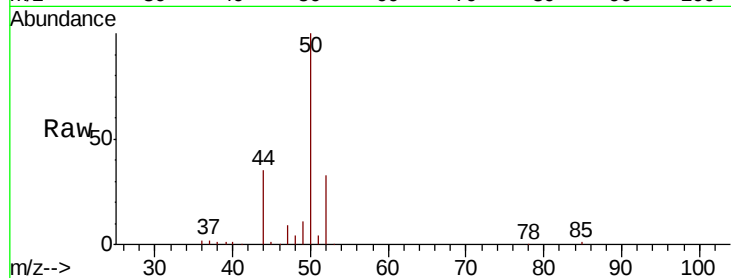
52 32.8 25.3 37.9

Manual Integrations

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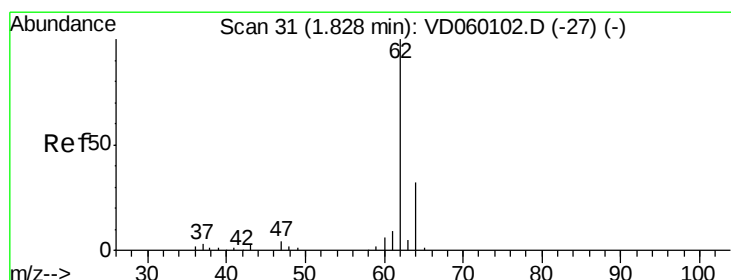
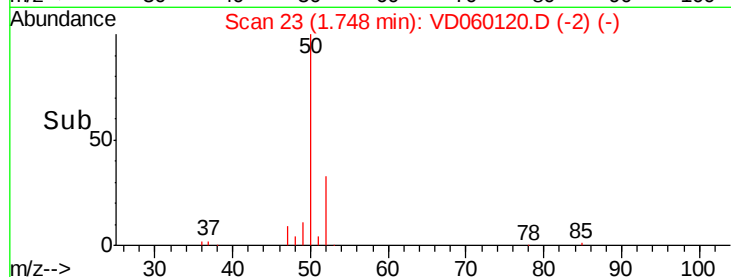
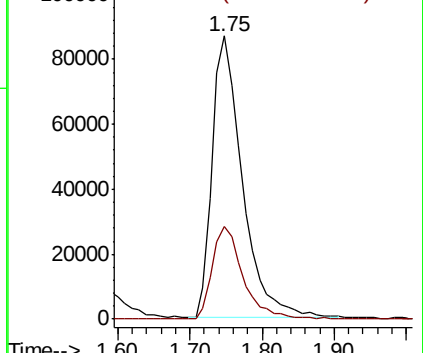
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.237 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060120.D

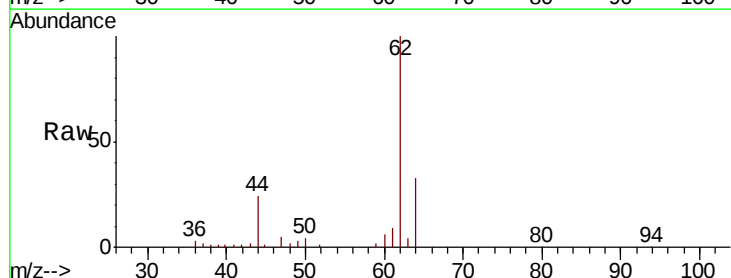
Acq: 3 Oct 2018 16:12

Tgt Ion: 62 Resp: 185415

Ion Ratio Lower Upper

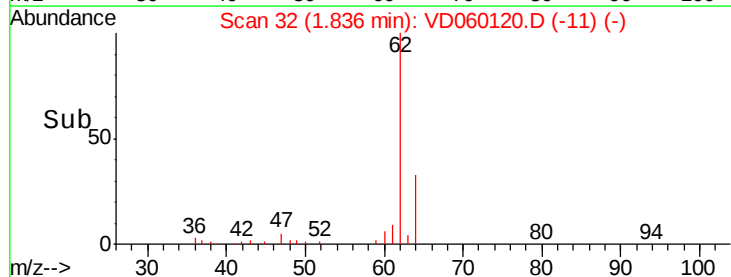
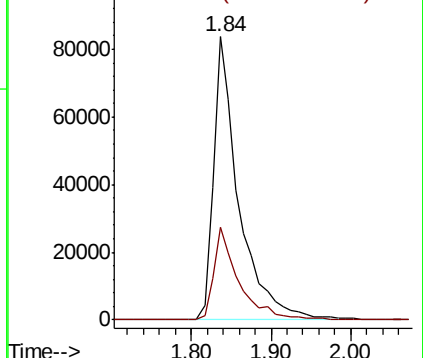
62 100

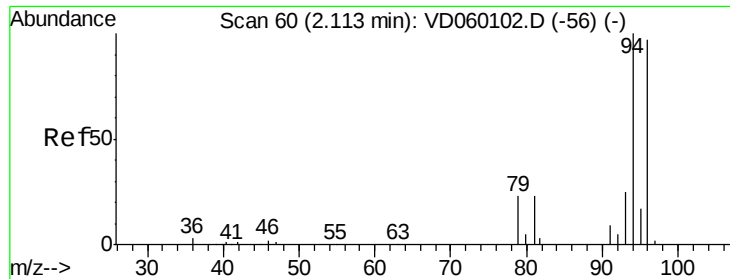
64 32.9 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





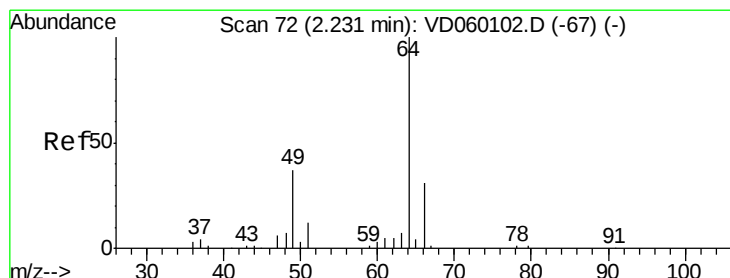
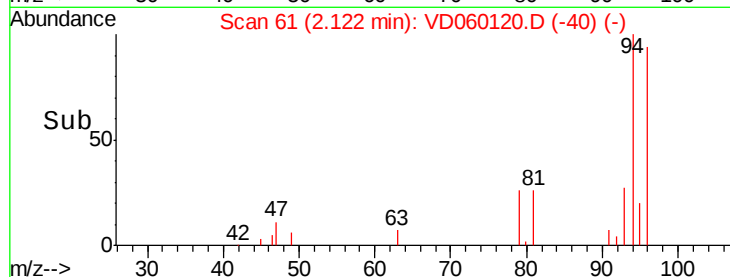
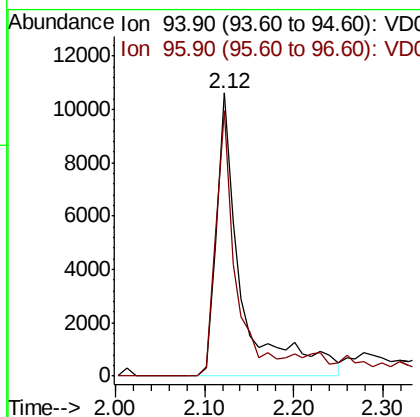
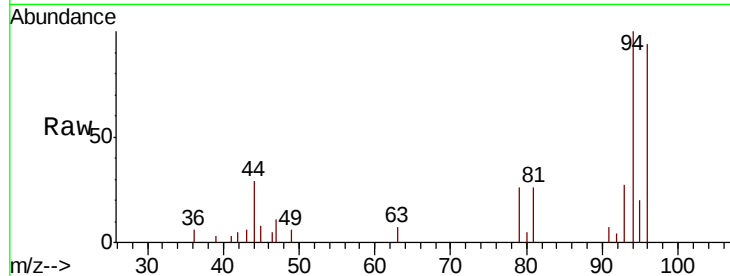
#5
Bromomethane
Concen: 17.234 ug/l
RT: 2.12 min Scan# 61
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

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Tot Ion: 94 Resp: 20857
Ion Ratio Lower Upper
94 100
96 94.0 77.4 116.2

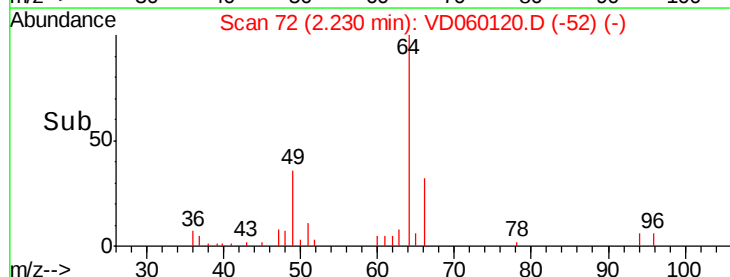
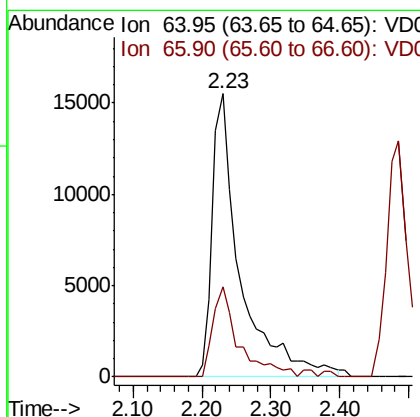
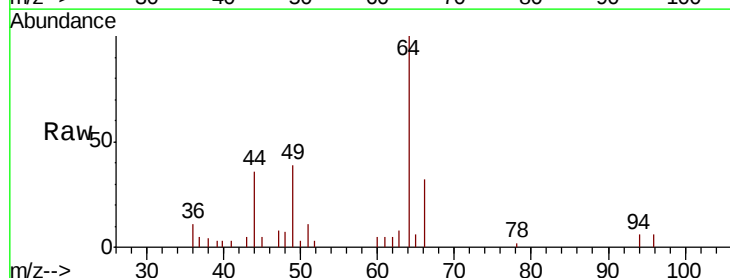
Manual Integrations
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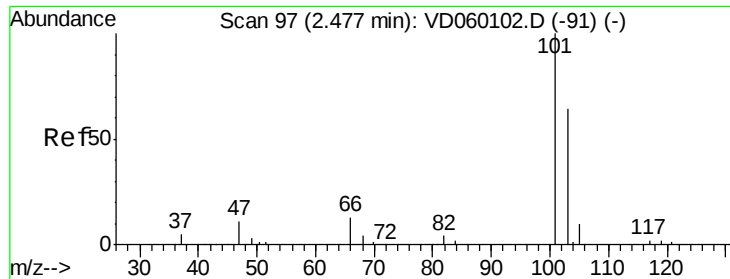
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#6
Chloroethane
Concen: 16.596 ug/l
RT: 2.23 min Scan# 72
Delta R.T. -0.00 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Tgt Ion: 64 Resp: 43652
Ion Ratio Lower Upper
64 100
66 31.7 24.6 37.0





#7

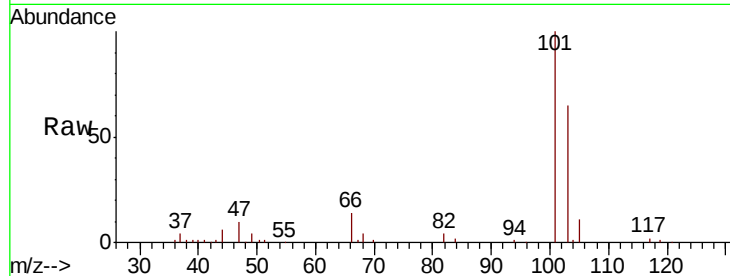
Trichlorofluoromethane
 Concen: 18.345 ug/l
 RT: 2.49 min Scan# 98
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

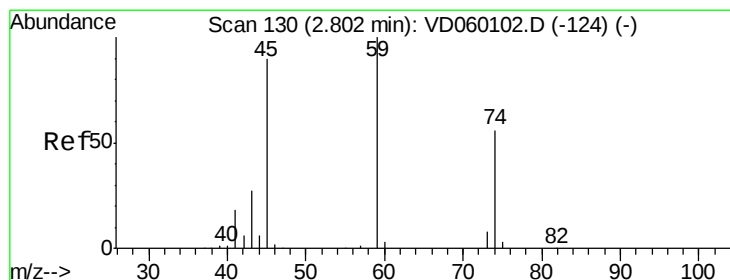
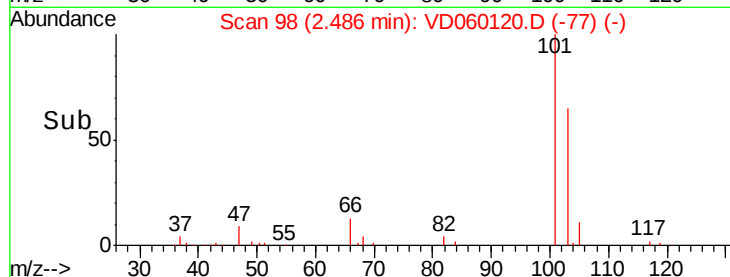
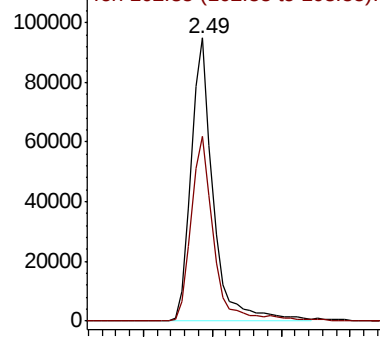
Tot Ion:101 Resp: 211710
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.5 77.3

Manual Integrations
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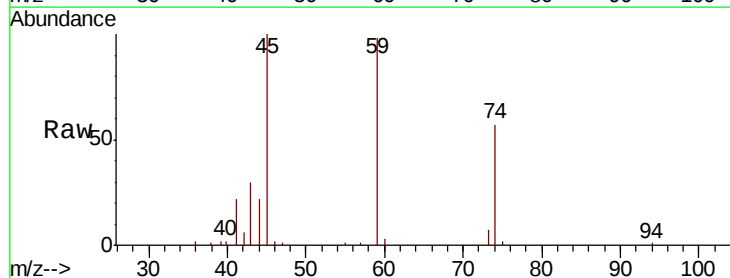
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



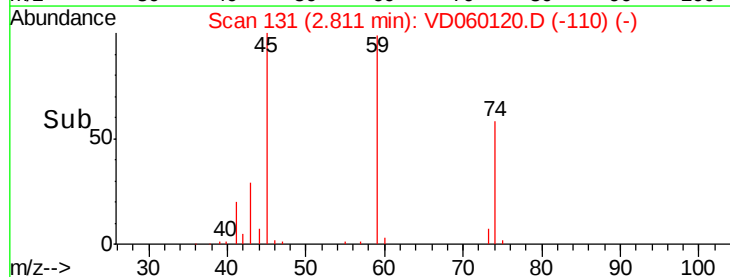
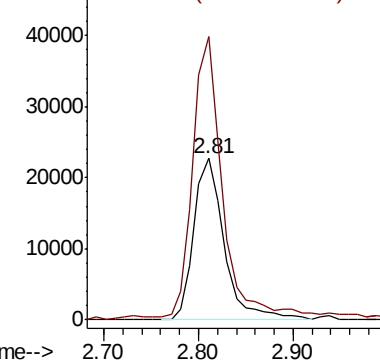
#8

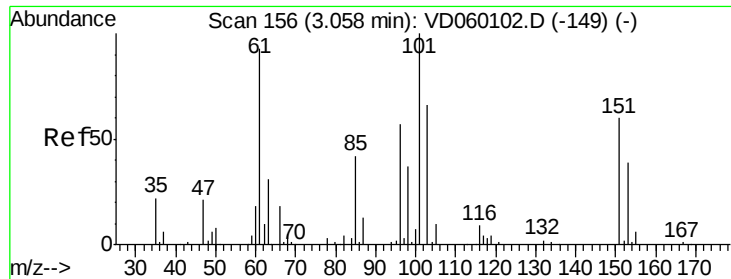
Diethyl Ether
 Concen: 21.456 ug/l
 RT: 2.81 min Scan# 131
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Tgt Ion: 74 Resp: 50918
 Ion Ratio Lower Upper
 74 100
 45 175.2 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.345 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

Lab File: VD060120.D

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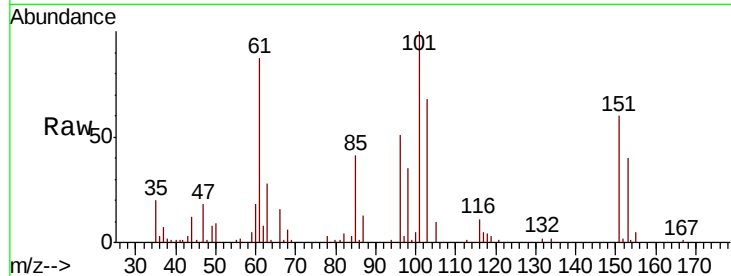
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VD1003SBS01

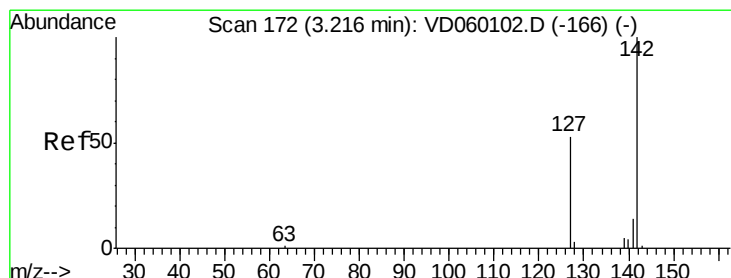
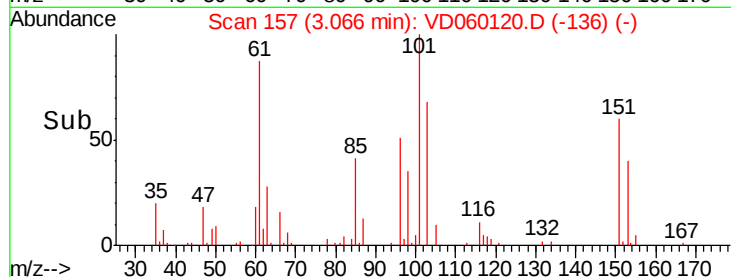
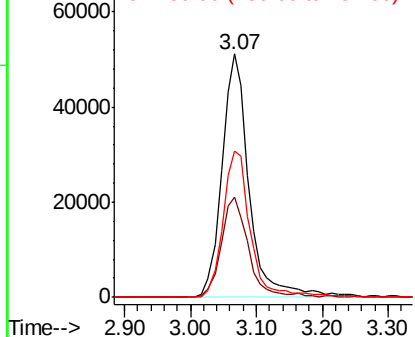
Tot Ion:	101	Resp:	146272
Ion Ratio	Lower	Upper	
101	100		
85	41.1	33.4	50.0
151	60.0	48.0	72.0

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



#10

Methyl Iodide

Concen: 15.893 ug/l

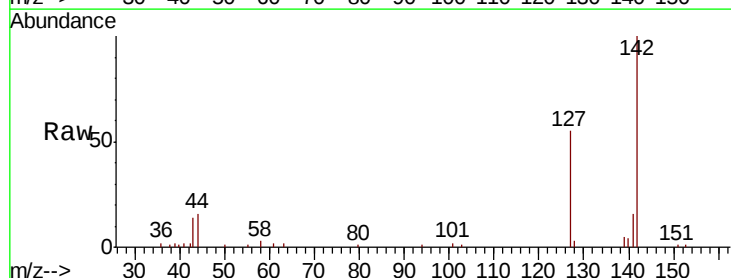
RT: 3.22 min Scan# 173

Delta R.T. 0.01 min

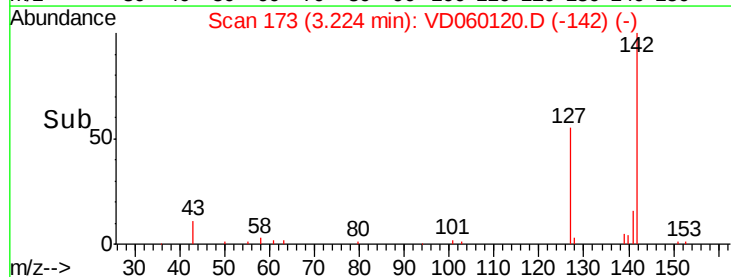
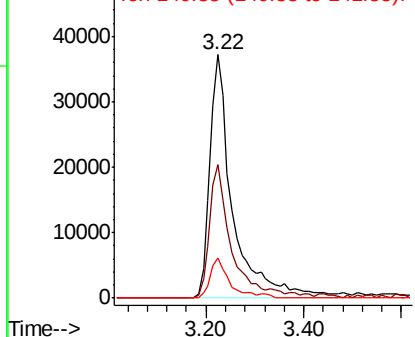
Lab File: VD060120.D

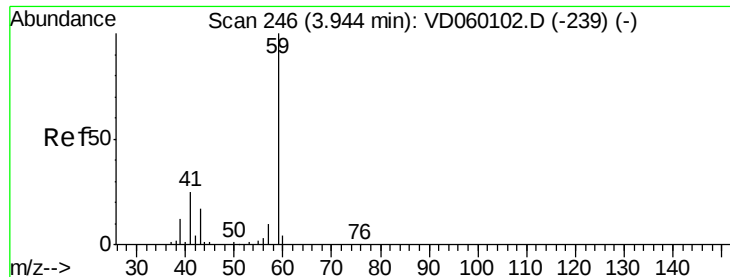
Acq: 3 Oct 2018 16:12

Tgt Ion:	142	Resp:	121174
Ion Ratio	Lower	Upper	
142	100		
127	54.9	42.0	63.0
141	16.3	11.4	17.0



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





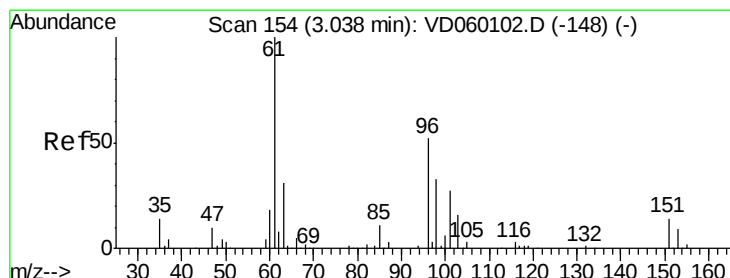
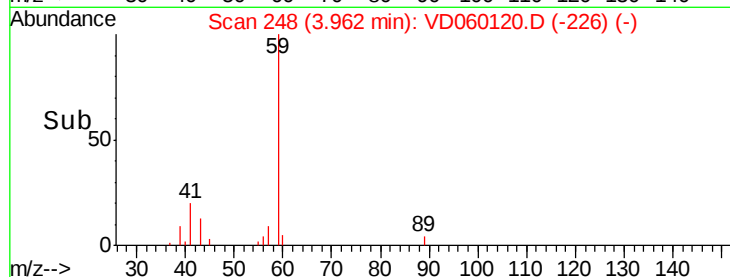
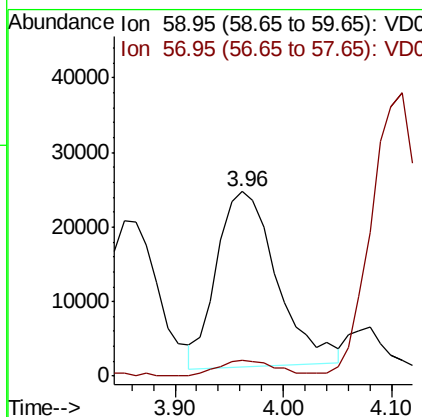
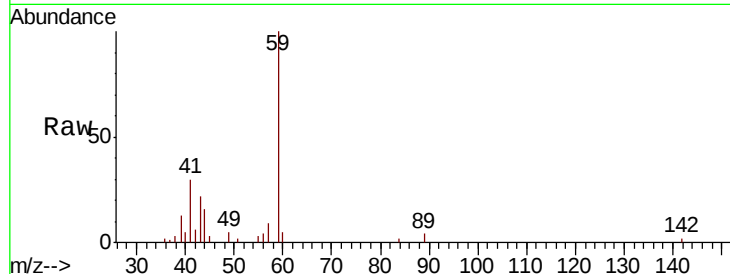
#11
Tert butyl alcohol
Concen: 120.780 ug/l
RT: 3.96 min Scan# 248
Delta R.T. 0.02 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.8	11.6

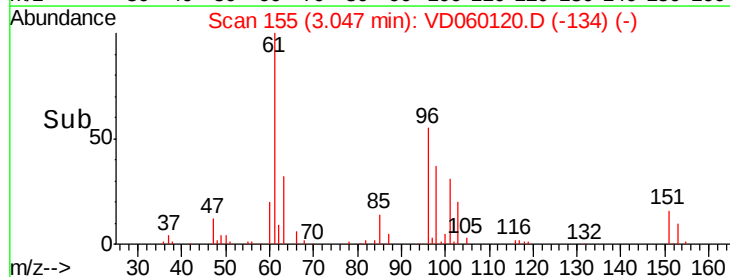
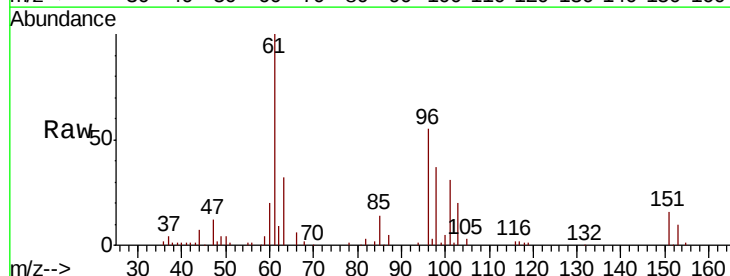
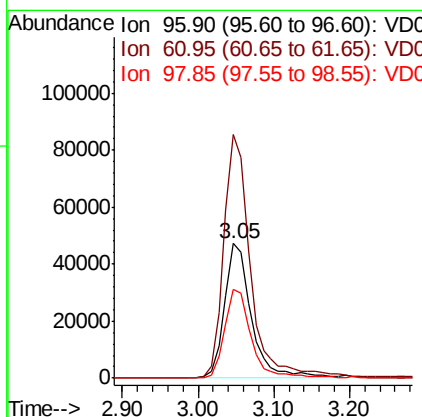
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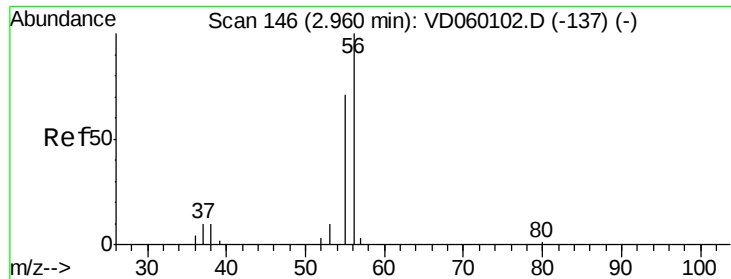
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#12
1,1-Dichloroethene
Concen: 20.528 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.3	153.0	229.4
98	66.3	51.1	76.7





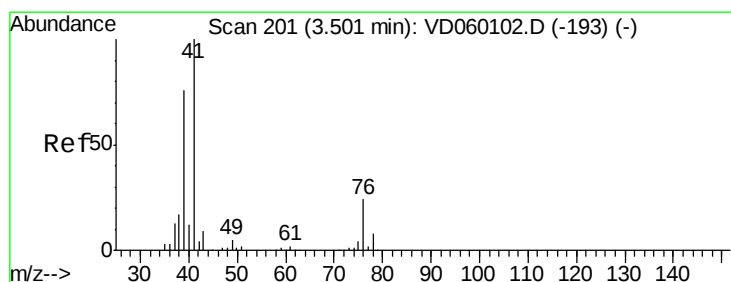
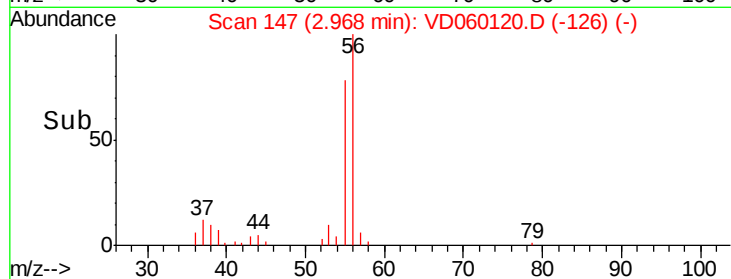
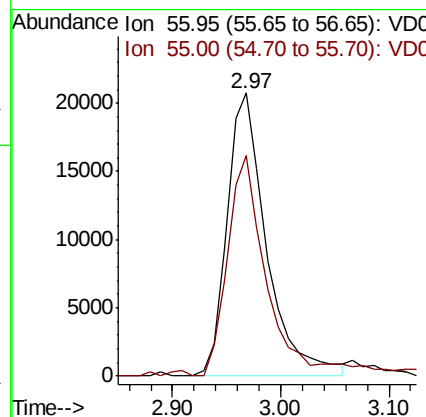
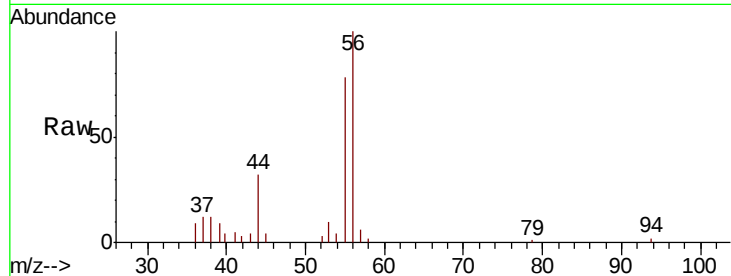
#13
Acrolein
Concen: 112.465 ug/l
RT: 2.97 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion: 56 Resp: 52332
Ion Ratio Lower Upper
56 100
55 78.0 57.4 86.2

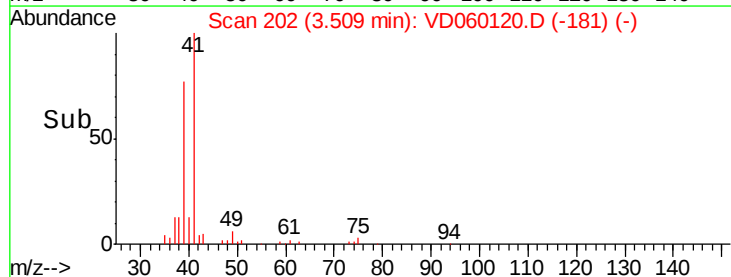
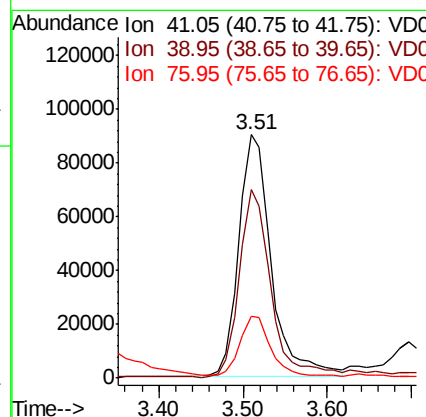
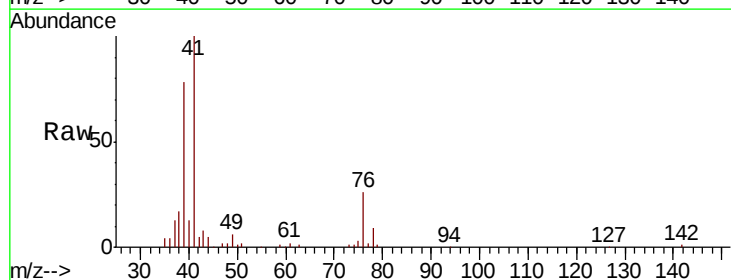
Manual Integrations
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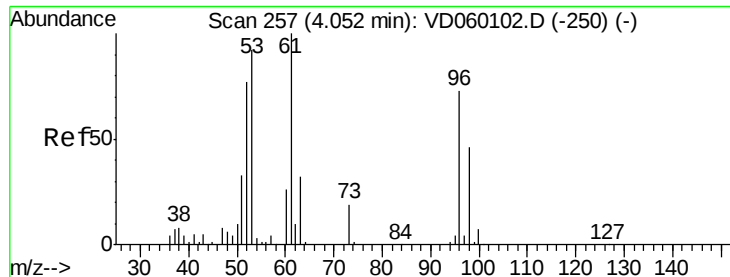
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#14
Allyl chloride
Concen: 20.662 ug/l
RT: 3.51 min Scan# 202
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Tgt Ion: 41 Resp: 243060
Ion Ratio Lower Upper
41 100
39 77.5 60.6 90.8
76 25.6 21.3 31.9





#15

Acrylonitrile

Concen: 121.058 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.02 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Instrument :

MSVOA_D

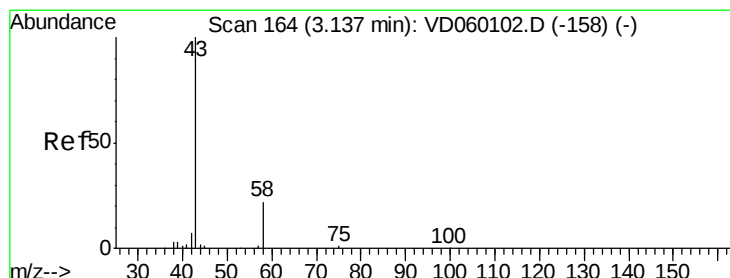
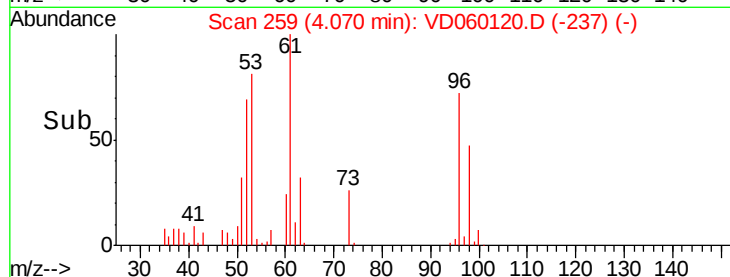
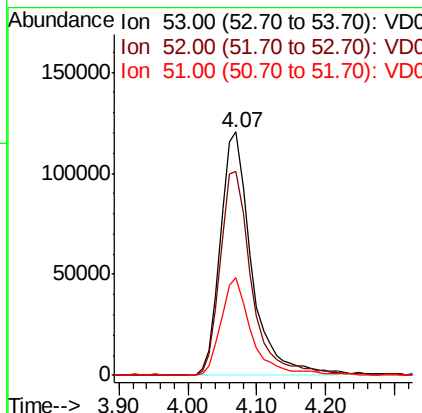
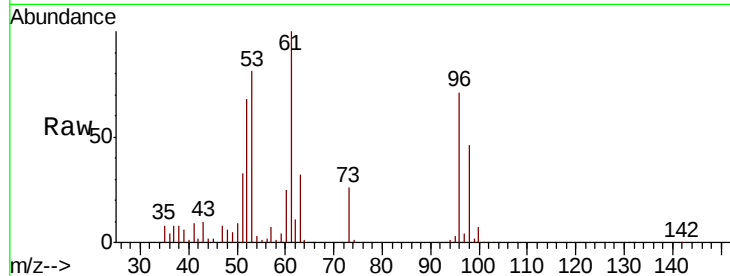
ClientSampleId :

VD1003SBS01

Tot Ion:	53	Resp:	378229
Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.5	101.3
51	40.3	29.3	43.9

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#16

Acetone

Concen: 135.792 ug/l

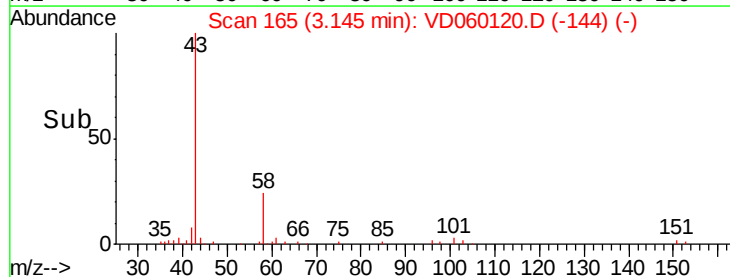
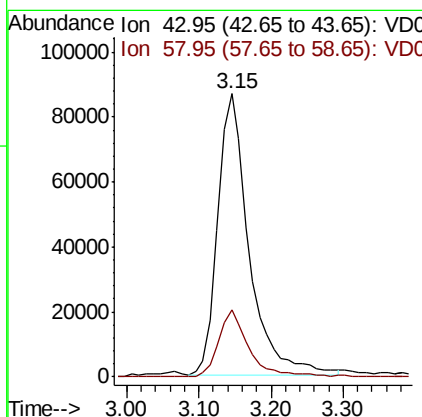
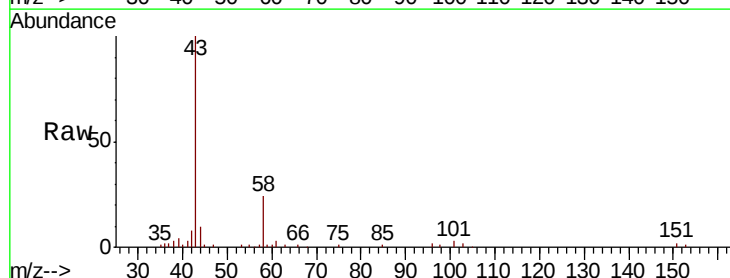
RT: 3.15 min Scan# 165

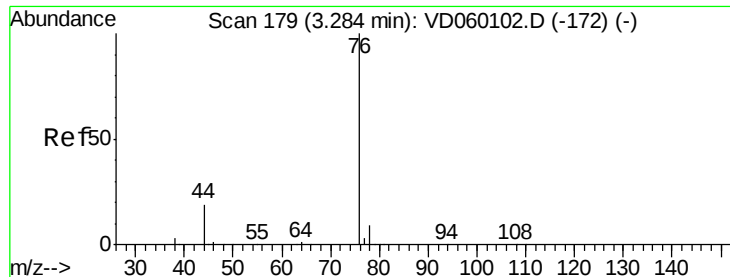
Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Tgt Ion:	43	Resp:	259335
Ion	Ratio	Lower	Upper
43	100		
58	23.7	17.7	26.5





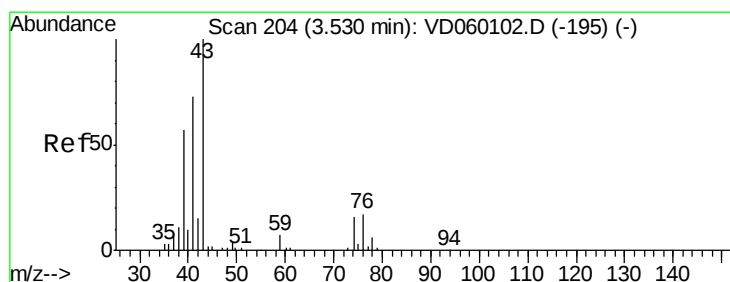
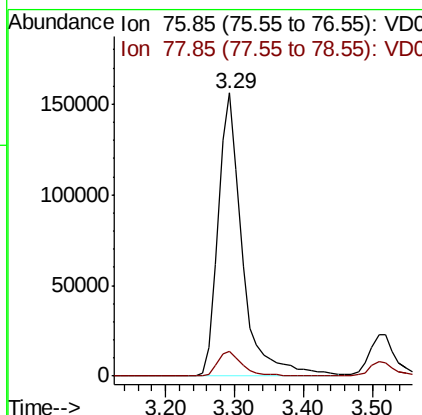
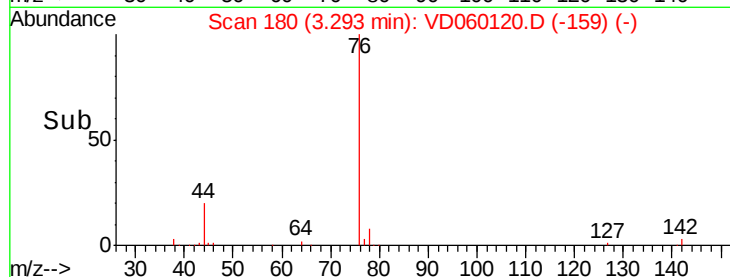
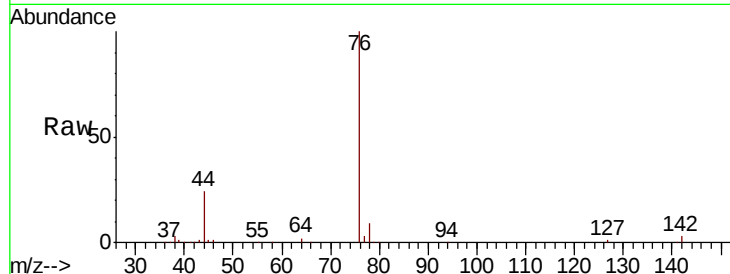
#17
Carbon Disulfide
Concen: 19.878 ug/l
RT: 3.29 min Scan# 180
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion: 76 Resp: 378608
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2

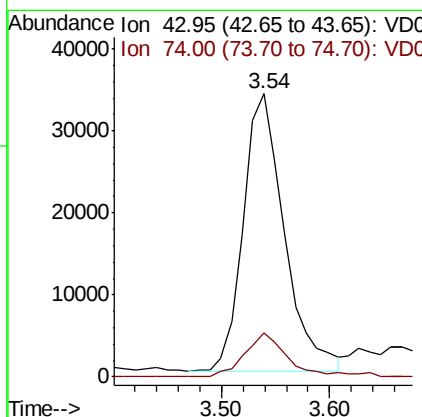
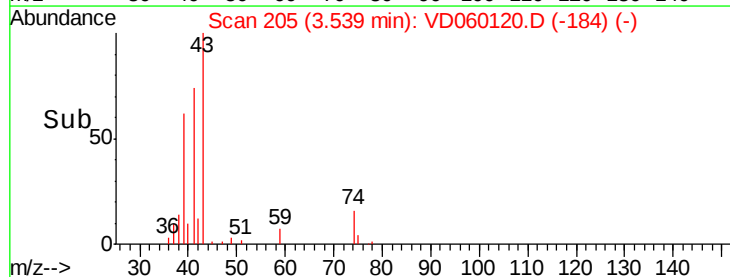
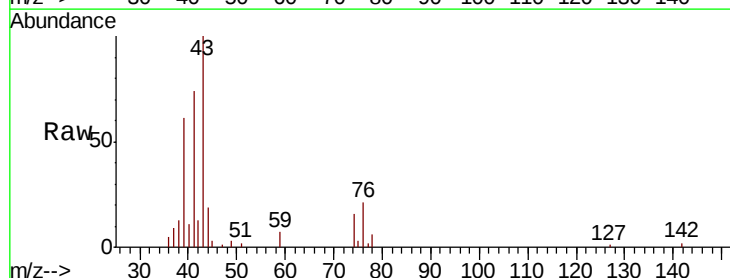
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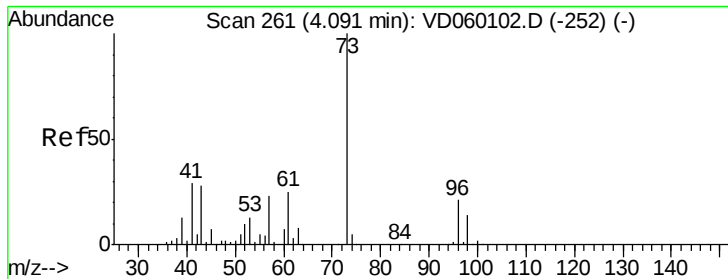
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#18
Methyl Acetate
Concen: 21.619 ug/l
RT: 3.54 min Scan# 205
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Tgt Ion: 43 Resp: 88741
Ion Ratio Lower Upper
43 100
74 15.6 12.6 19.0





#19

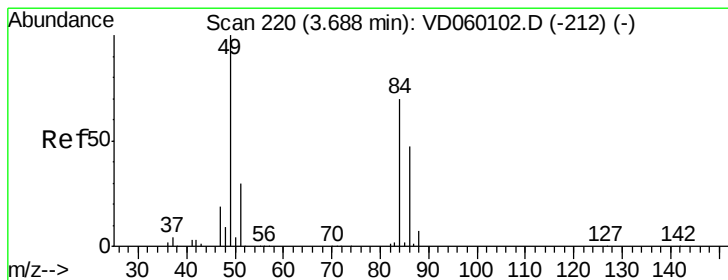
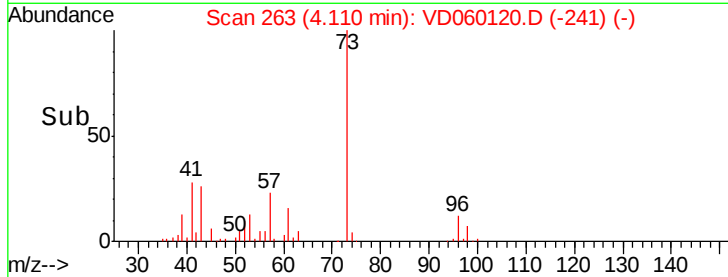
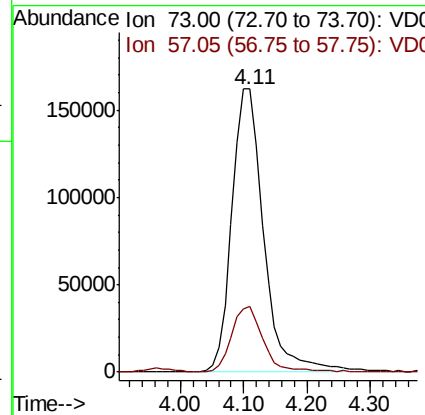
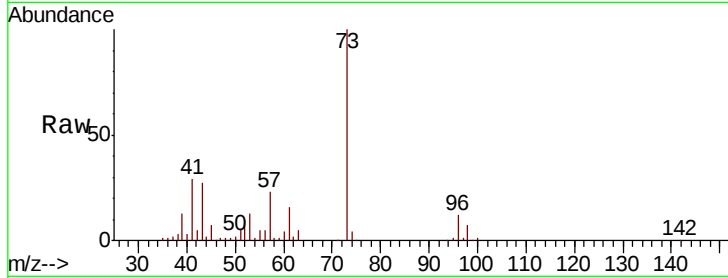
Methyl tert-butyl Ether
 Concen: 22.728 ug/l
 RT: 4.11 min Scan# 263
 Delta R.T. 0.02 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.7	28.1

Manual Integrations
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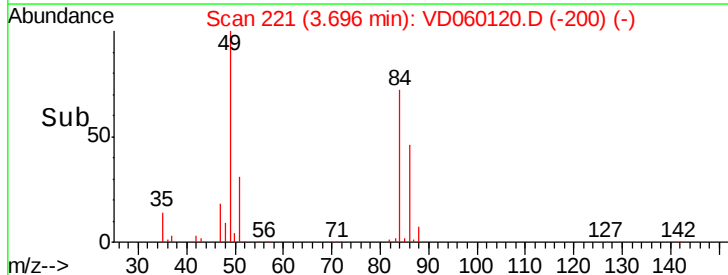
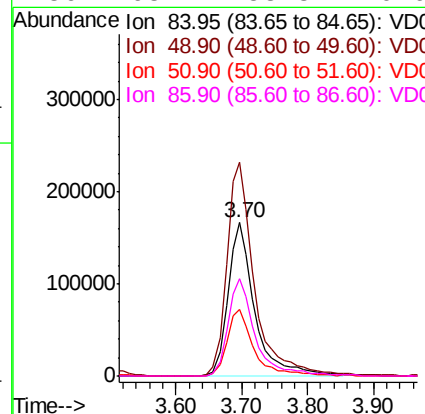
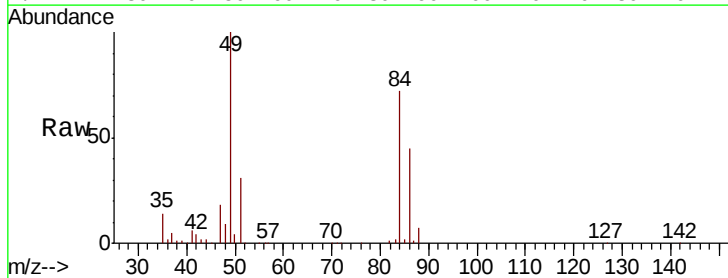
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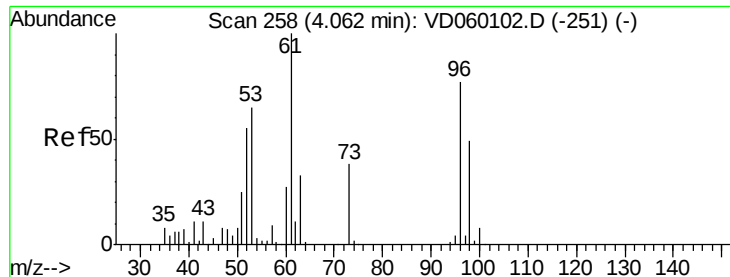


#20

Methylene Chloride
 Concen: 29.583 ug/l
 RT: 3.70 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.2	114.6	172.0
51	43.1	33.8	50.8
86	63.1	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 20.657 ug/l

RT: 4.08 min Scan# 260

Delta R.T. 0.02 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 96 Resp: 302181

Ion Ratio Lower Upper

96 100

61 126.5 103.3 154.9

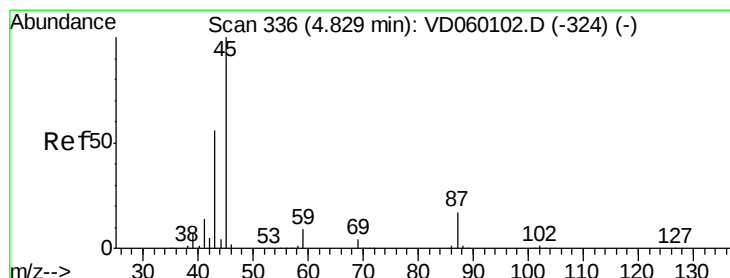
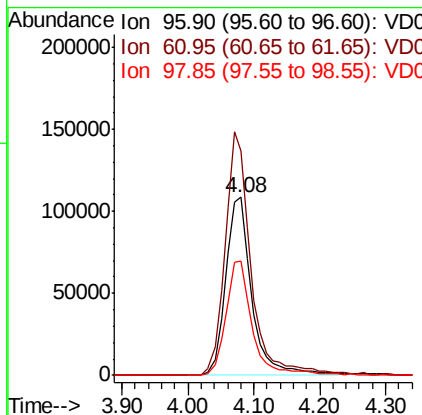
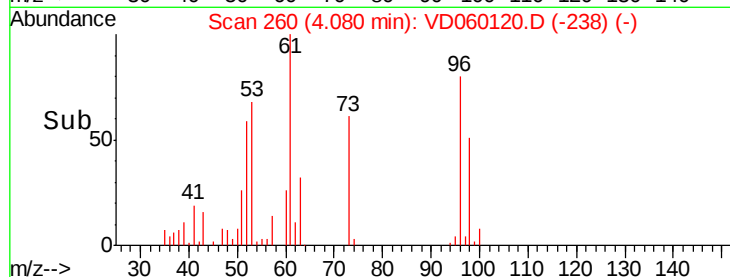
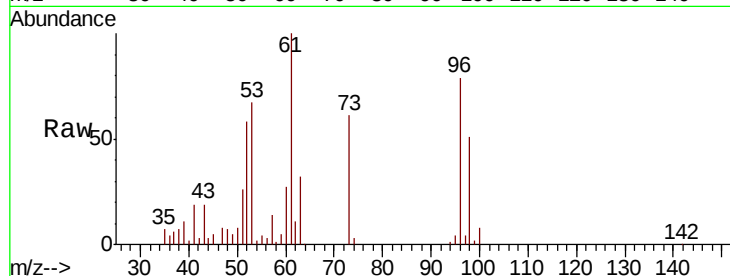
98 64.0 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 22.287 ug/l

RT: 4.84 min Scan# 337

Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Tgt Ion: 45 Resp: 1170872

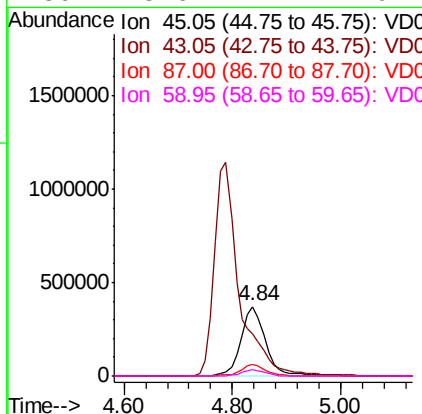
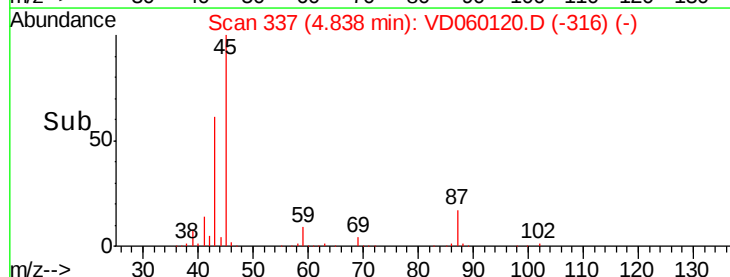
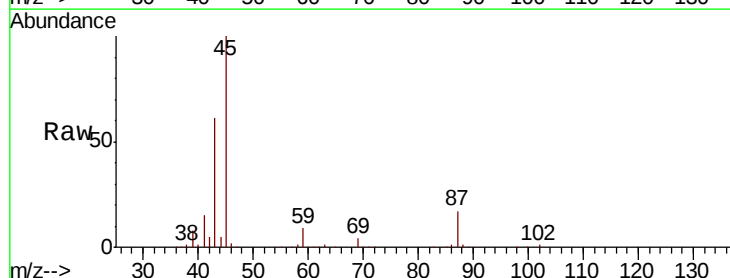
Ion Ratio Lower Upper

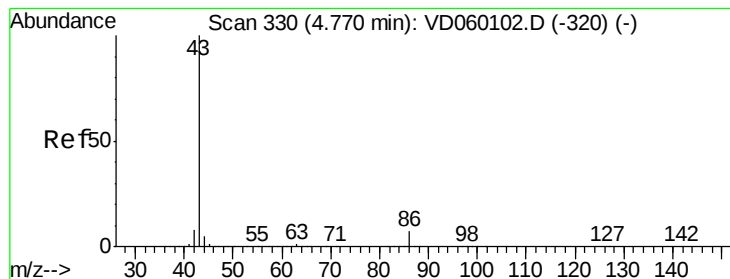
45 100

43 61.2 44.8 67.2

87 17.3 13.9 20.9

59 8.6 7.1 10.7





#23

Vinyl Acetate

Concen: 122.298 ug/l

RT: 4.79 min Scan# 332

Delta R.T. 0.02 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 43 Resp: 3611535

Ion Ratio Lower Upper

43 100

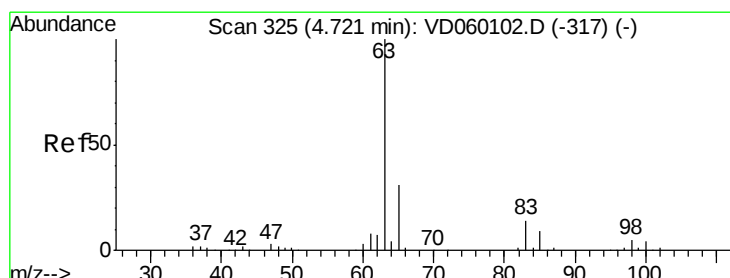
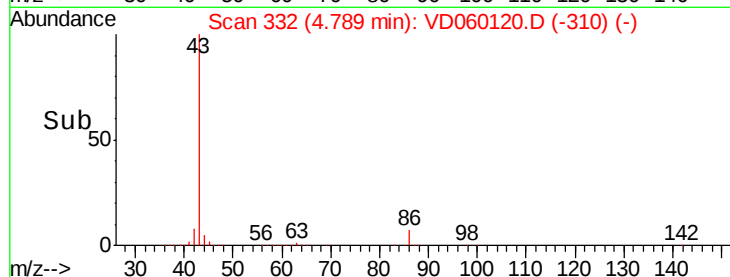
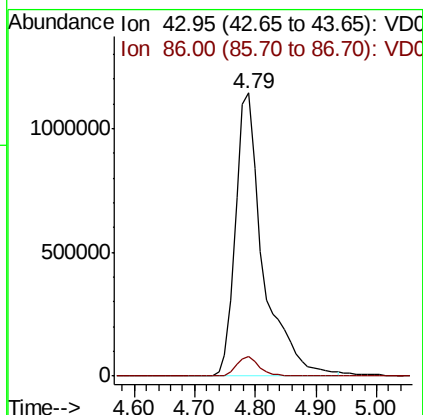
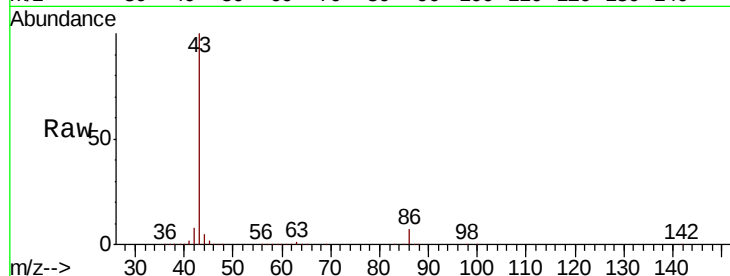
86 7.2 5.6 8.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.855 ug/l

RT: 4.73 min Scan# 326

Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

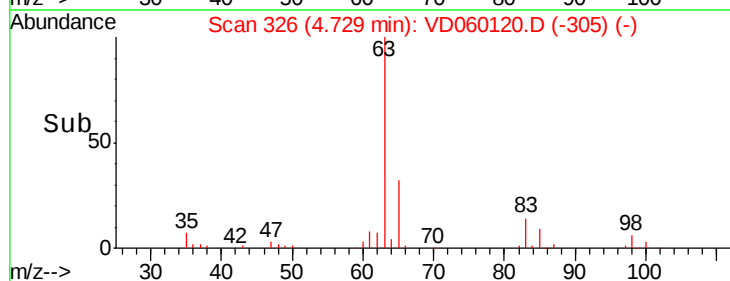
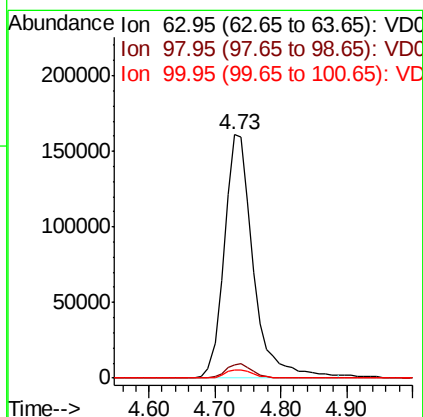
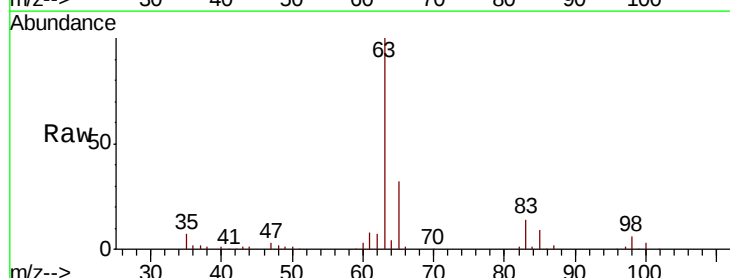
Tgt Ion: 63 Resp: 496775

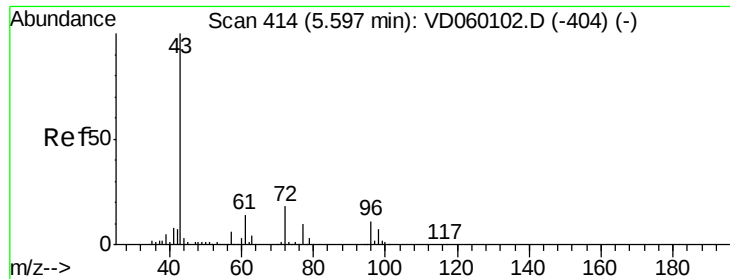
Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.3

100 3.3 1.8 5.3





#25

2-Butanone

Concen: 139.341 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 43 Resp: 664815

Ion Ratio Lower Upper

43 100

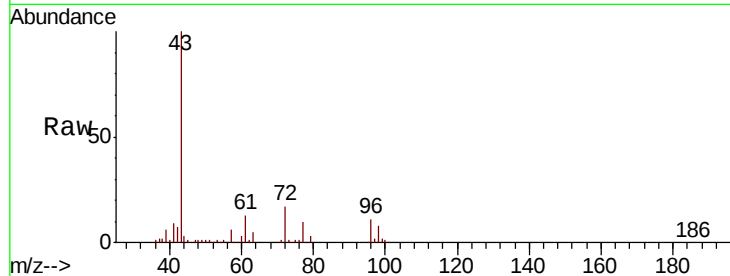
72 17.4 14.5 21.7

Manual Integrations

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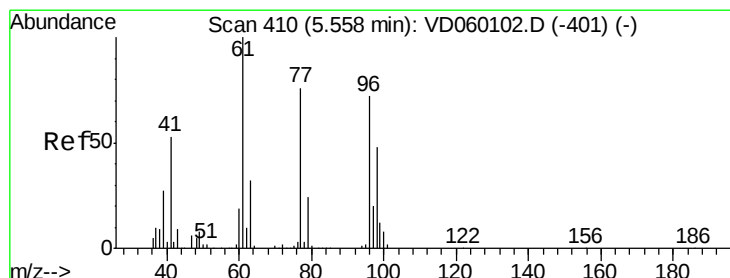
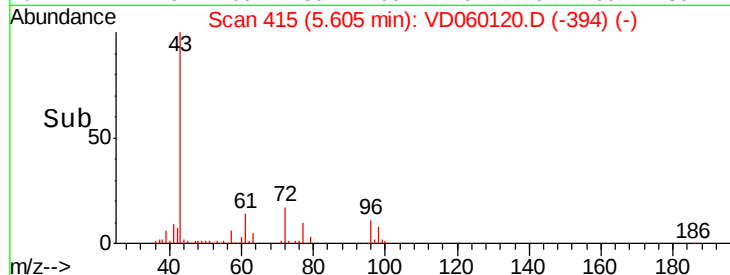
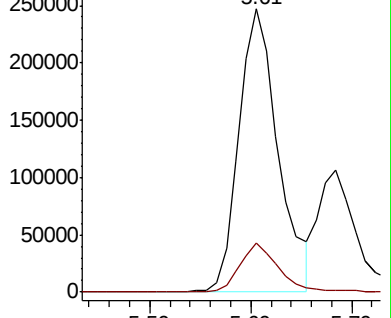
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.815 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.01 min

Lab File: VD060120.D

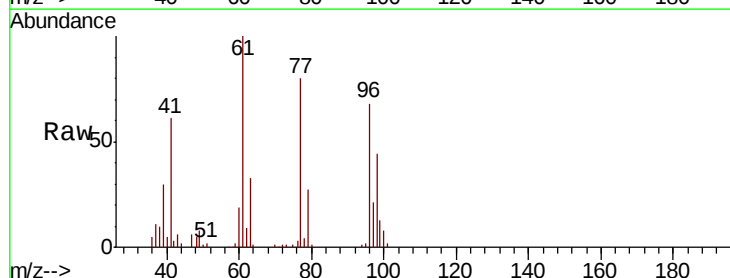
Acq: 3 Oct 2018 16:12

Tgt Ion: 77 Resp: 393937

Ion Ratio Lower Upper

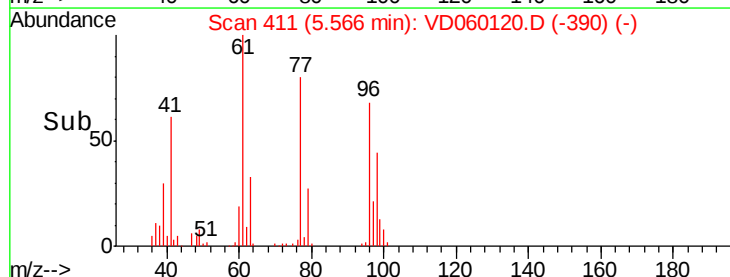
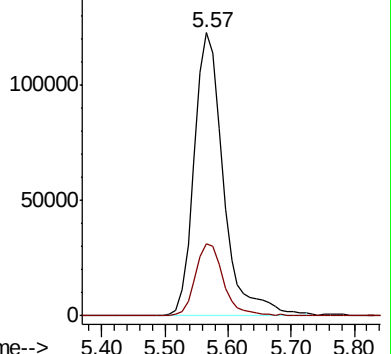
77 100

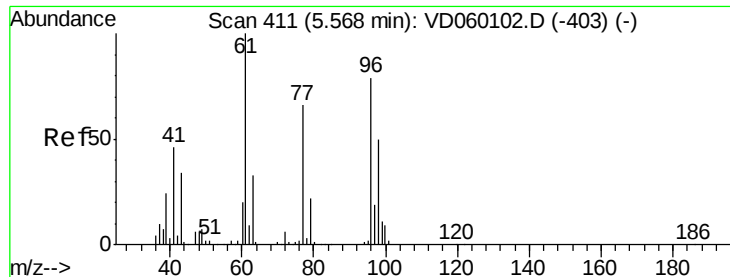
97 25.5 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

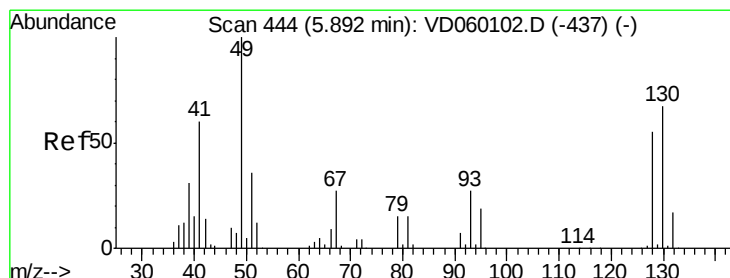
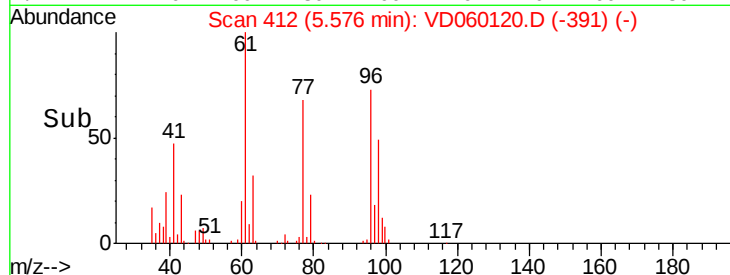
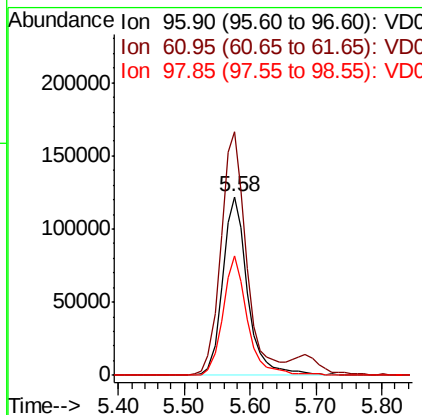
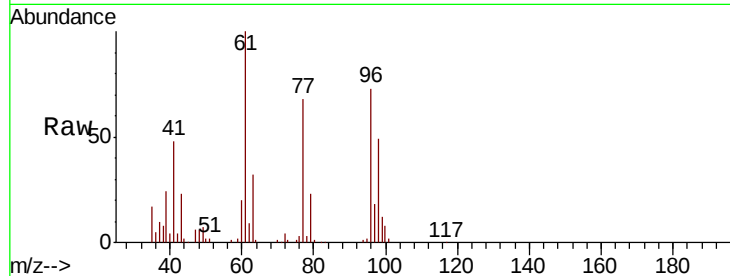
cis-1,2-Dichloroethene
Concen: 20.897 ug/l
RT: 5.58 min Scan# 412
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	323873		
61	136.1	0.0	251.8	
98	66.5	0.0	125.2	

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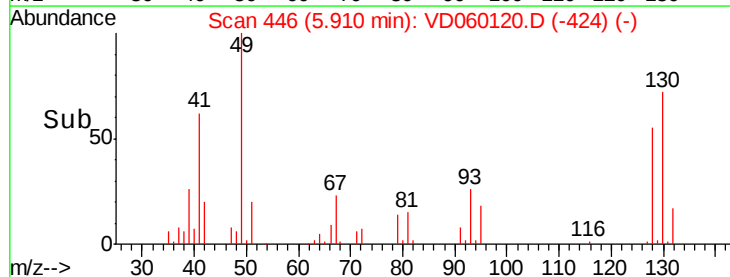
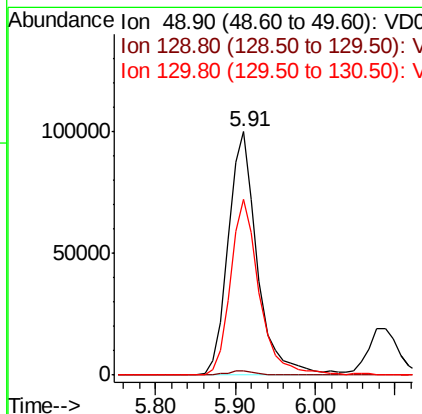
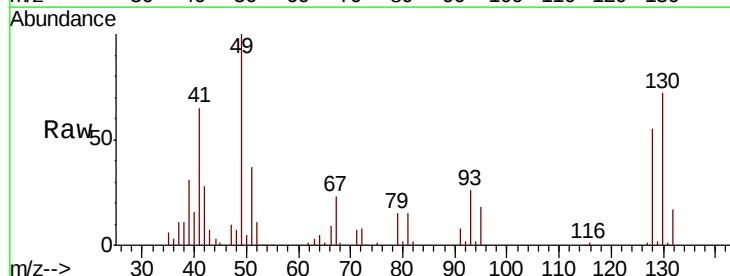
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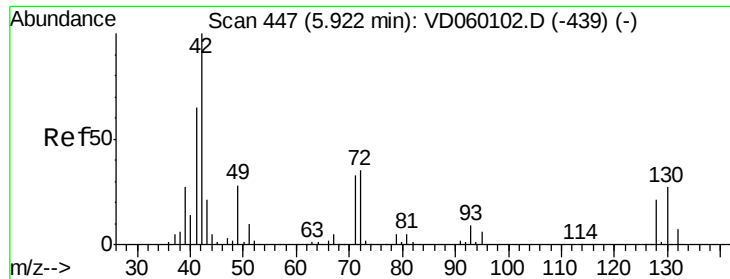


#28

Bromochloromethane
Concen: 22.009 ug/l
RT: 5.91 min Scan# 446
Delta R.T. 0.02 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	254762		
129	1.6	0.0	3.6	
130	72.0	53.9	80.9	





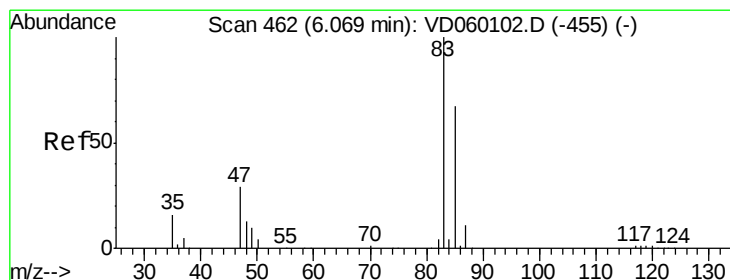
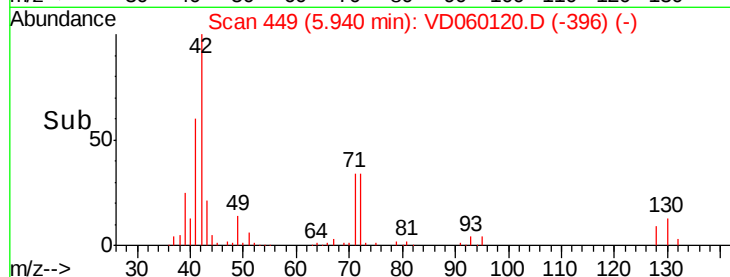
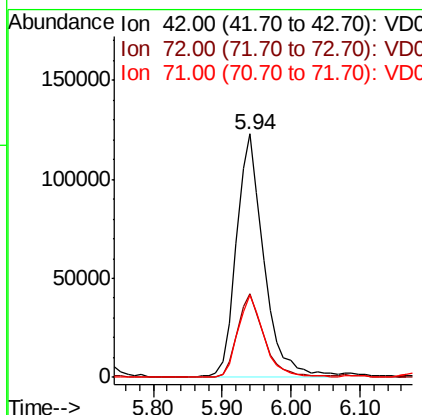
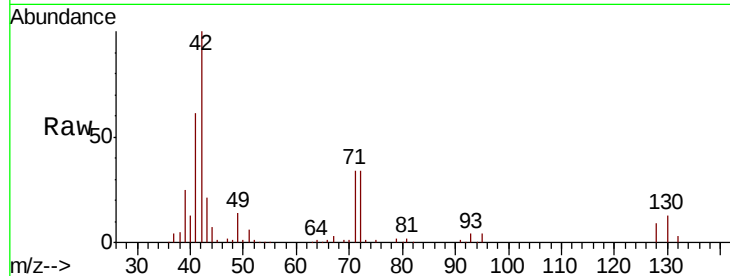
#29
Tetrahydrofuran
Concen: 122.966 ug/l
RT: 5.94 min Scan# 449
Delta R.T. 0.02 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.4	26.9	40.3
71	32.6	26.7	40.1

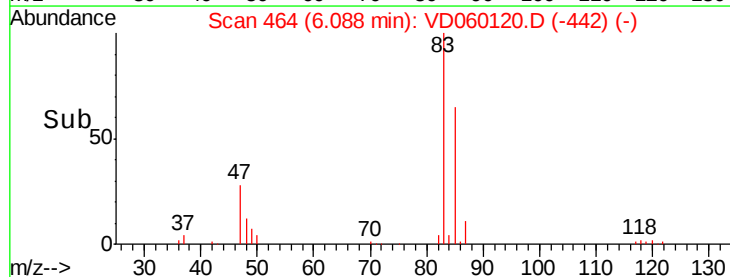
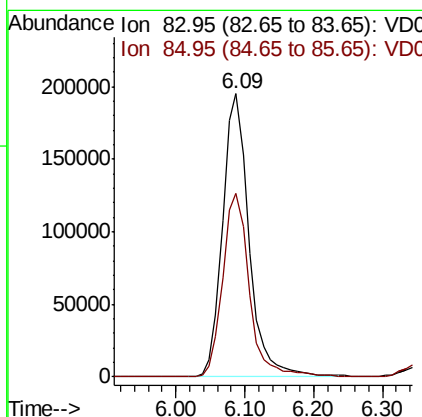
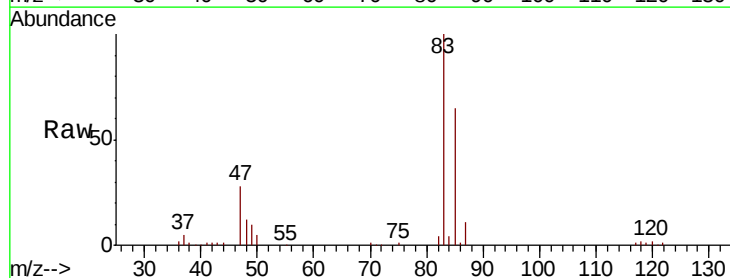
Manual Integrations
APPROVED

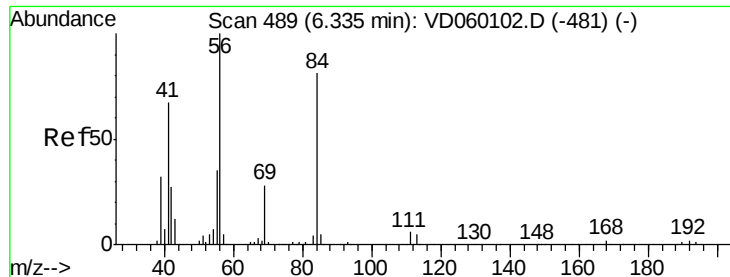
apatel
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#30
Chloroform
Concen: 21.496 ug/l
RT: 6.09 min Scan# 464
Delta R.T. 0.02 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	53.8	80.8





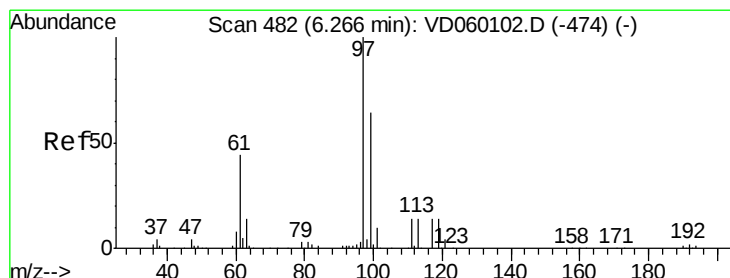
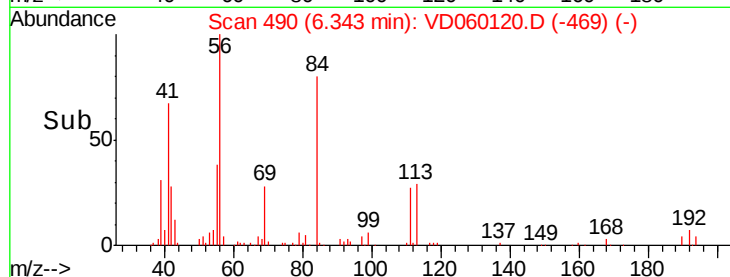
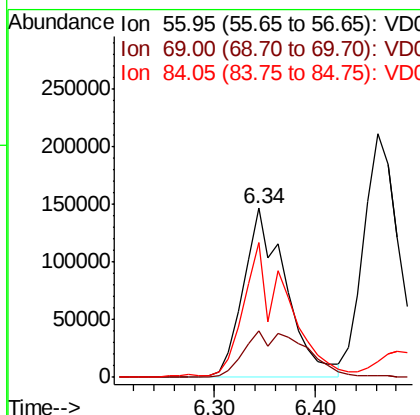
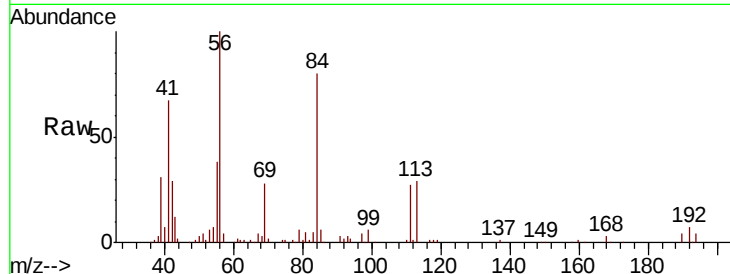
#31
Cyclohexane
Concen: 18.902 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.9	22.8	34.2
84	79.6	64.9	97.3

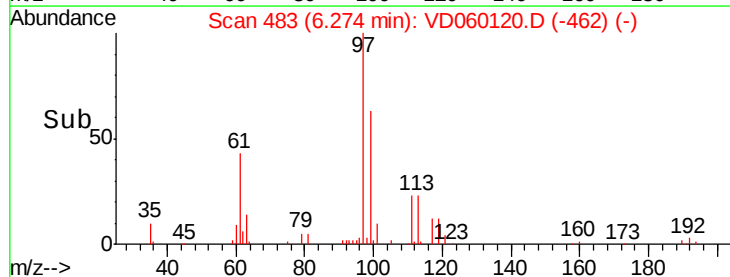
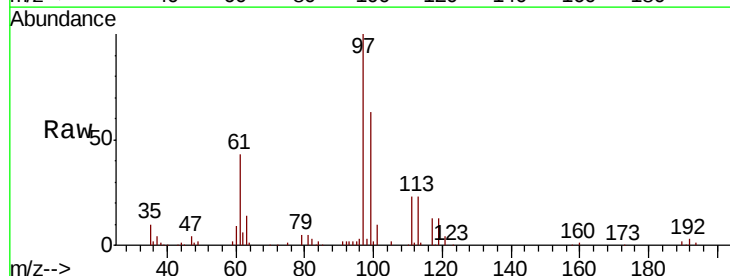
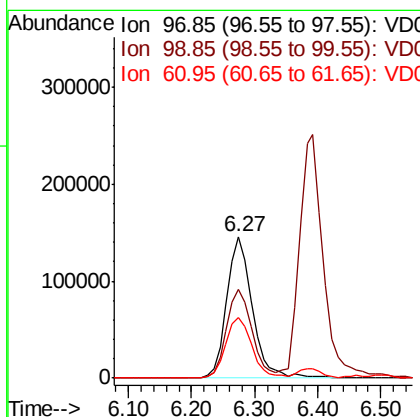
Manual Integrations
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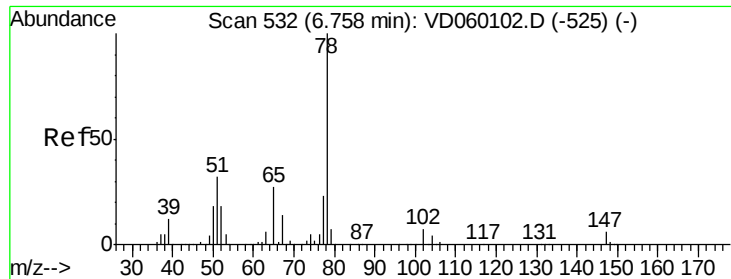
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#32
1,1,1-Trichloroethane
Concen: 20.681 ug/l
RT: 6.27 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.4	77.0
61	42.7	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 20.681 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD060120.D

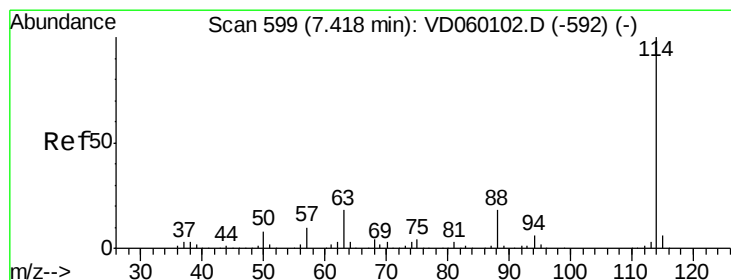
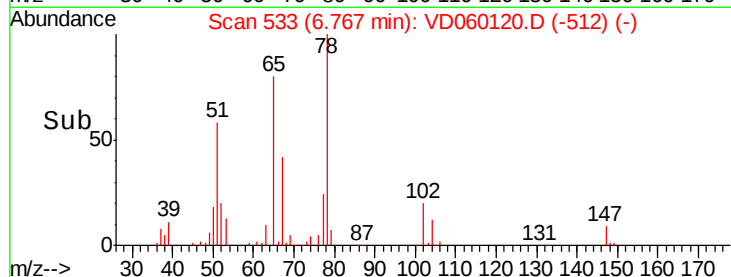
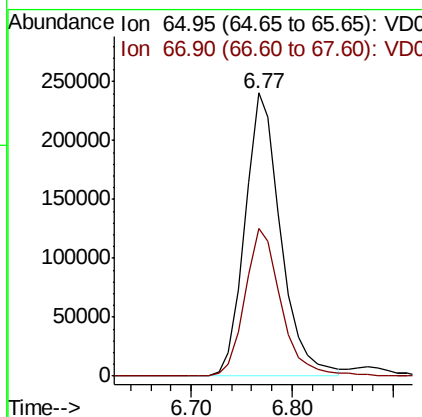
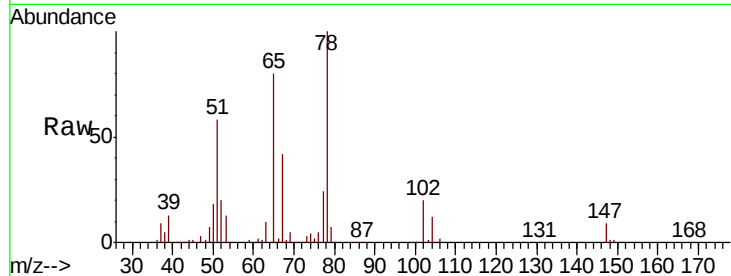
Acq: 3 Oct 2018 16:12

Tot Ion	Ratio	Resp	Lower	Upper
65	100	594041		
67	52.3	0.0	106.2	

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

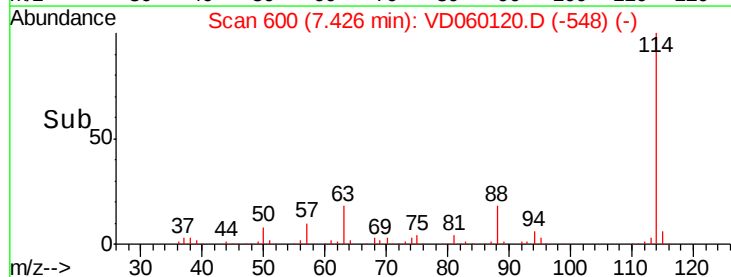
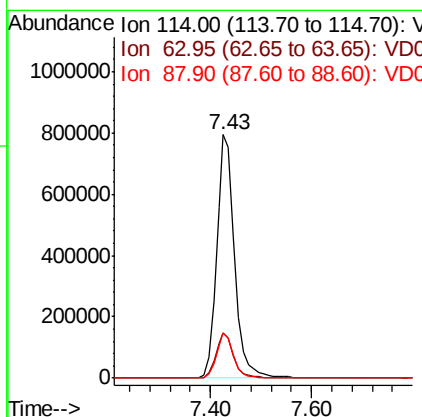
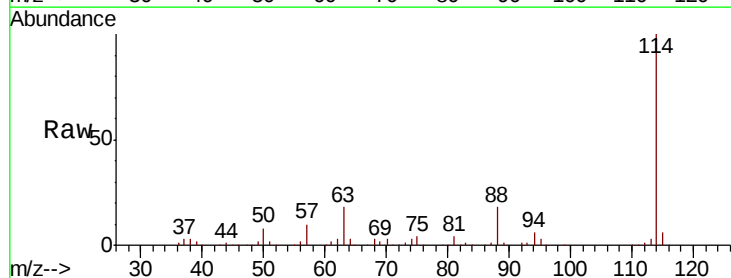
RT: 7.43 min Scan# 600

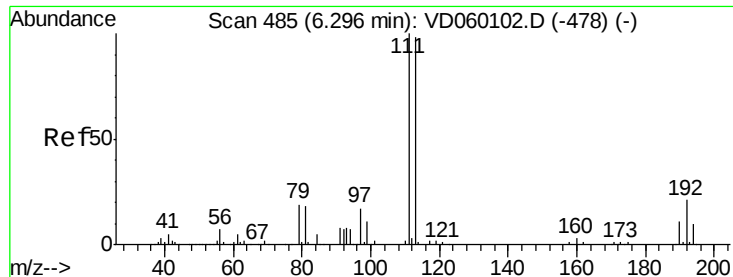
Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1970469		
63	18.4	0.0	36.0	
88	18.3	0.0	36.2	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 486

Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Instrument :

MSVOA_D

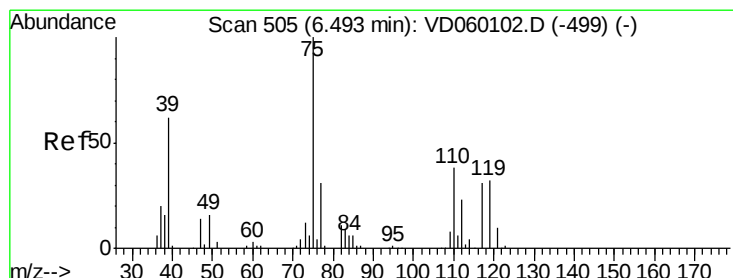
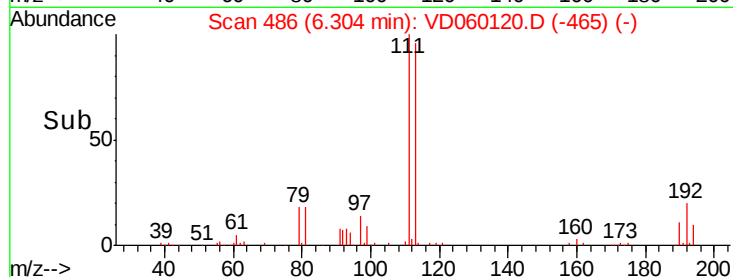
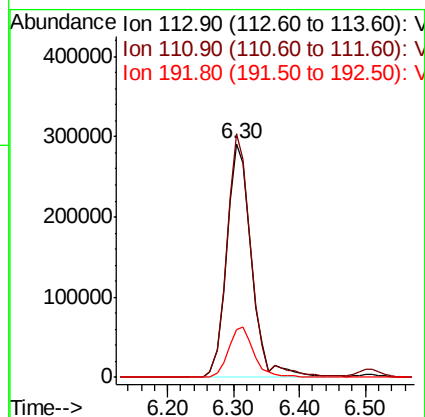
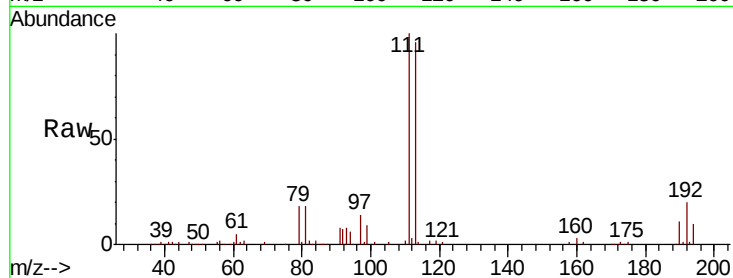
ClientSampleId :

VD1003SBS01

Tot Ion:	113	Resp:	770661
Ion Ratio	Lower	Upper	
113	100		
111	104.1	81.5	122.3
192	20.7	17.4	26.0

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#36

1,1-Dichloropropene

Concen: 20.198 ug/l

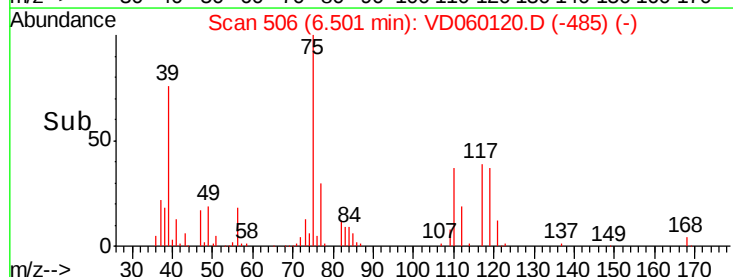
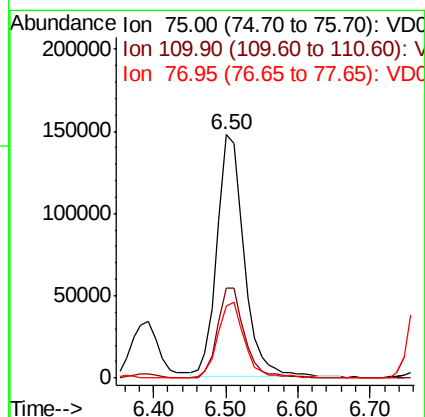
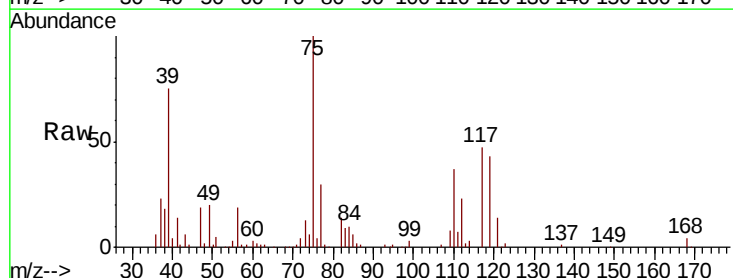
RT: 6.50 min Scan# 506

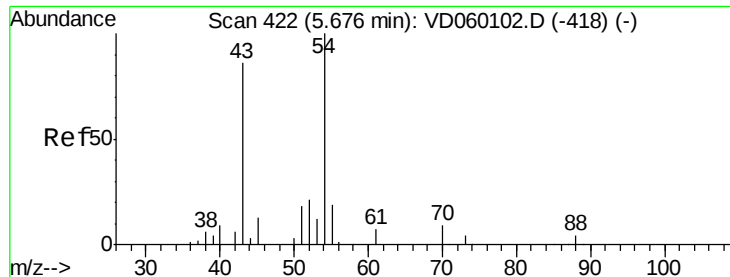
Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Tgt Ion:	75	Resp:	380328
Ion Ratio	Lower	Upper	
75	100		
110	36.8	19.0	57.0
77	29.6	24.9	37.3





#37

Ethyl Acetate

Concen: 22.454 ug/l

RT: 5.68 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Instrument :

MSVOA_D

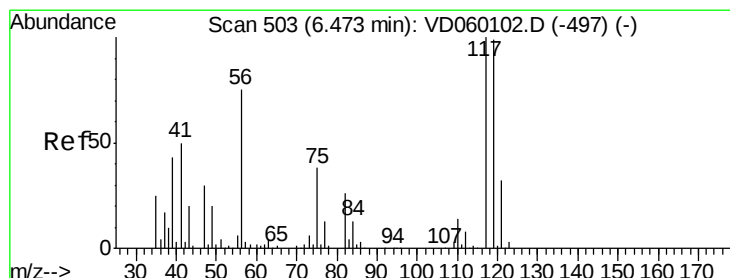
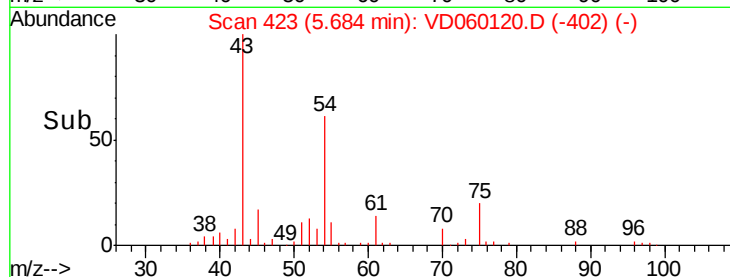
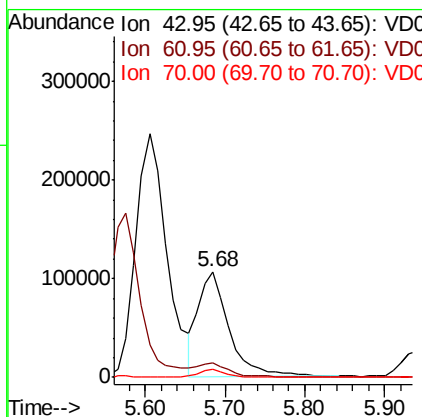
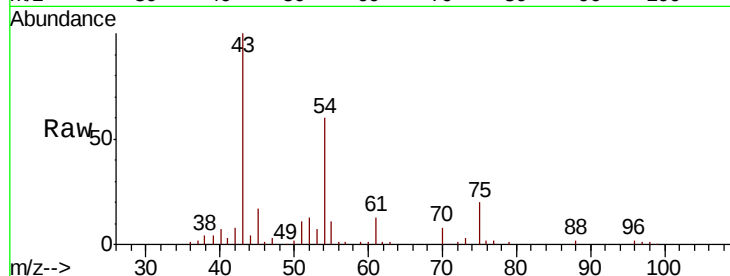
ClientSampleId :

VD1003SBS01

Tot Ion:	43	Resp:	280642
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	7.6	6.3	9.5

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#38

Carbon Tetrachloride

Concen: 20.224 ug/l

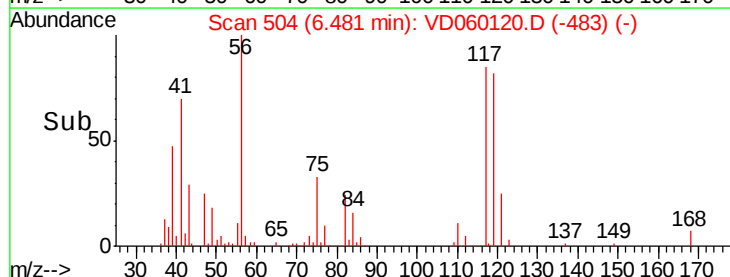
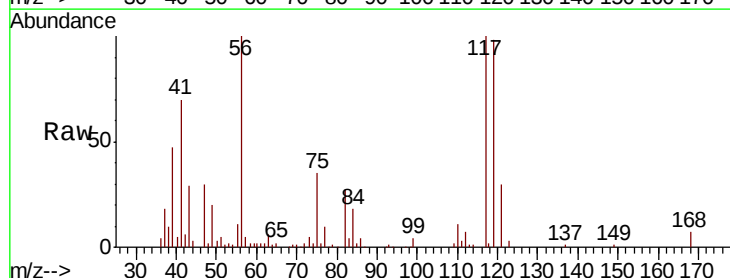
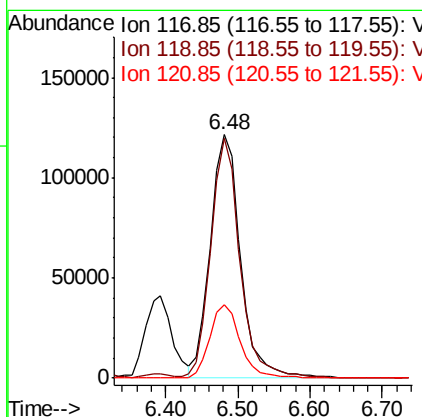
RT: 6.48 min Scan# 504

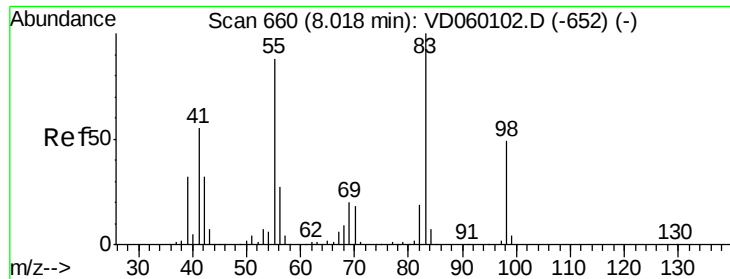
Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Tgt Ion:	117	Resp:	345623
Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.8	116.6
121	30.2	24.8	37.2





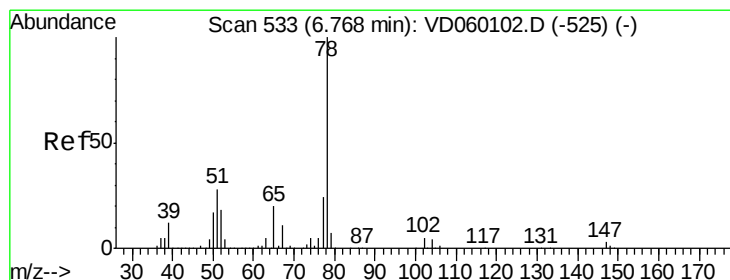
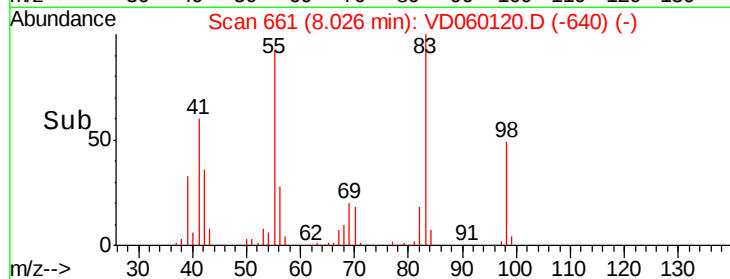
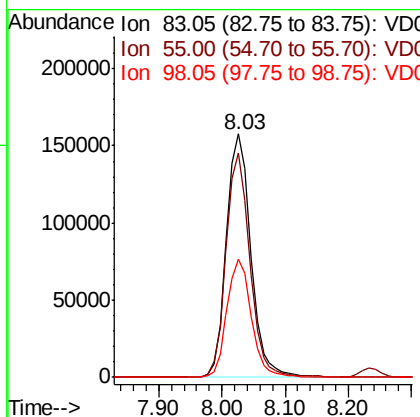
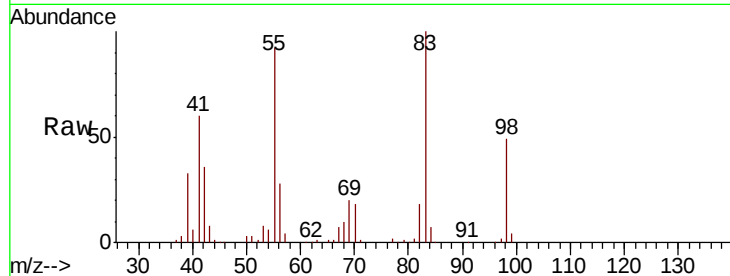
#39
Methvlcvclohexane
Concen: 19.767 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.9	70.5	105.7
98	48.6	39.4	59.2

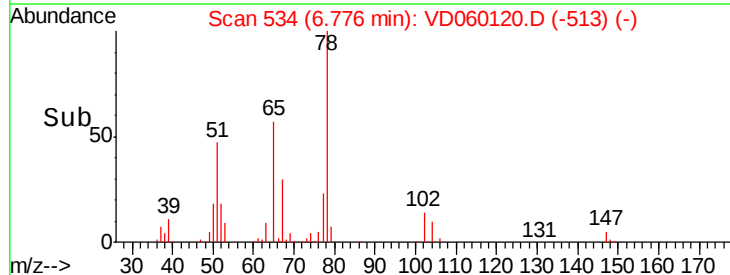
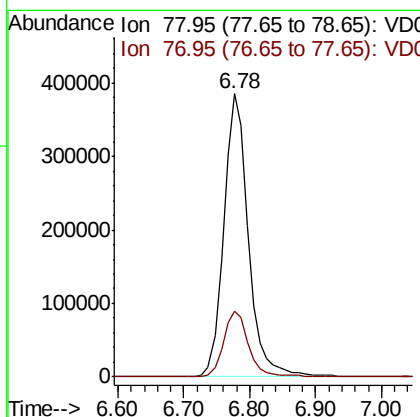
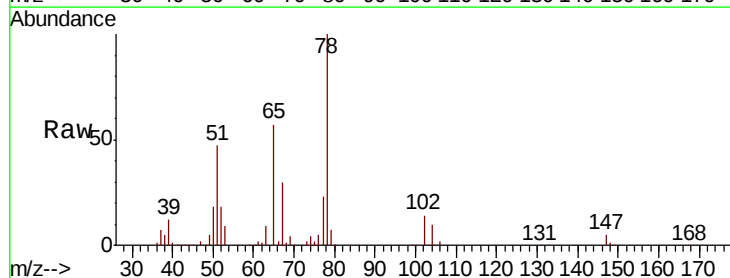
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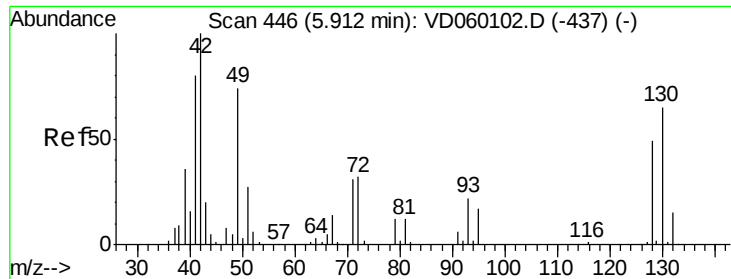
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#40
Benzene
Concen: 20.347 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.4





#41

Methacrylonitrile

Concen: 23.318 ug/l m

RT: 5.92 min Scan# 447

Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 41 Resp: 164726

Ion Ratio Lower Upper

41 100

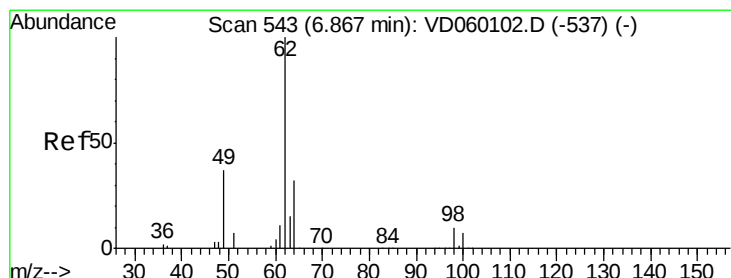
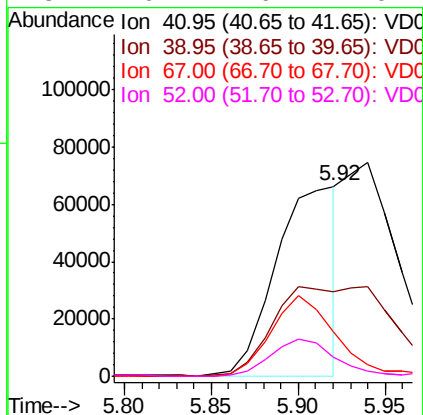
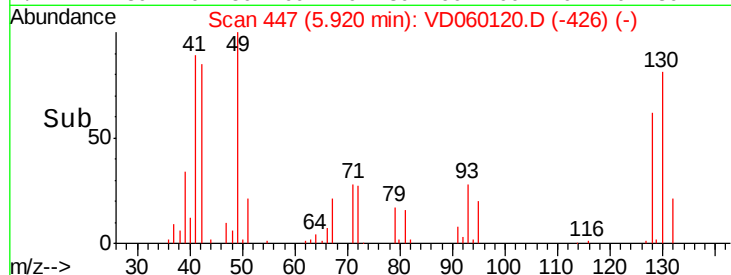
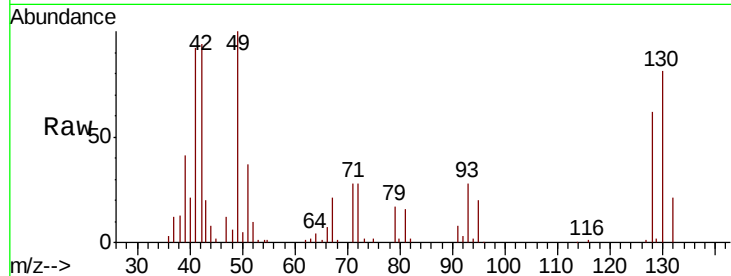
39 44.7 36.0 54.0

67 23.3 13.9 20.9#

52 10.4 6.1 9.1#

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#42

1,2-Dichloroethane

Concen: 21.710 ug/l

RT: 6.87 min Scan# 544

Delta R.T. 0.01 min

Lab File: VD060120.D

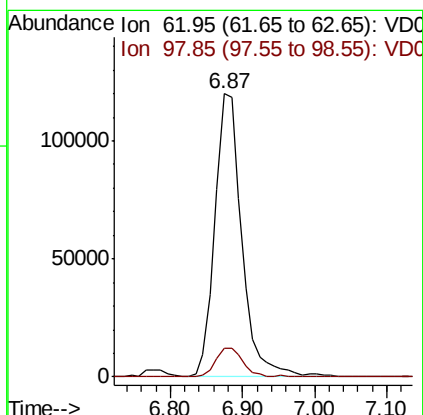
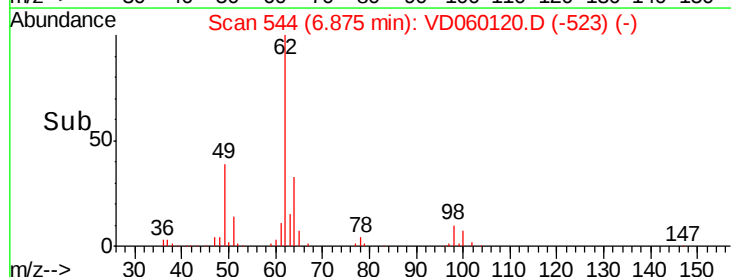
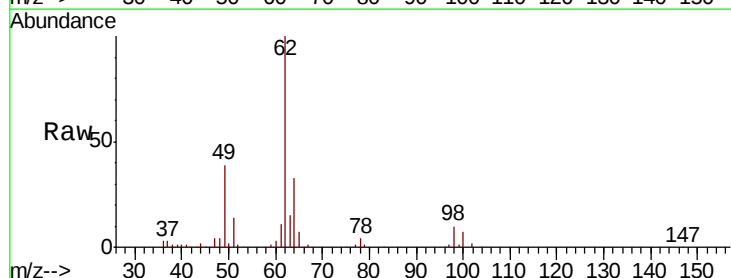
Acq: 3 Oct 2018 16:12

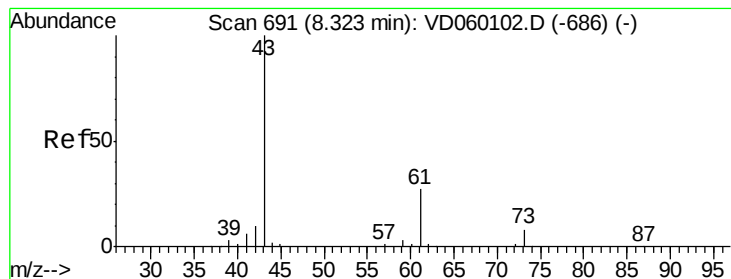
Tgt Ion: 62 Resp: 306612

Ion Ratio Lower Upper

62 100

98 10.2 0.0 20.6





#43

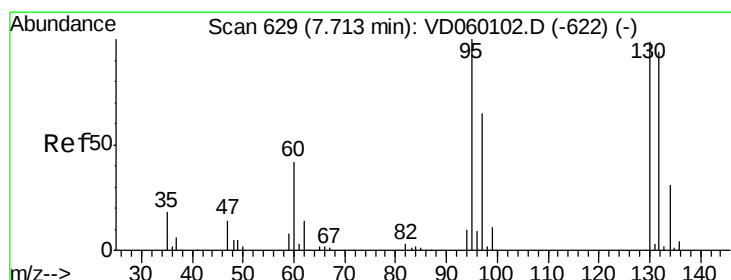
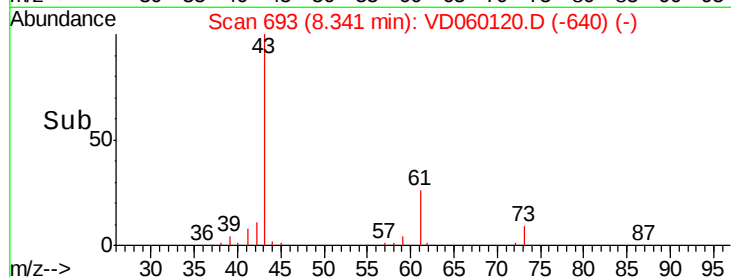
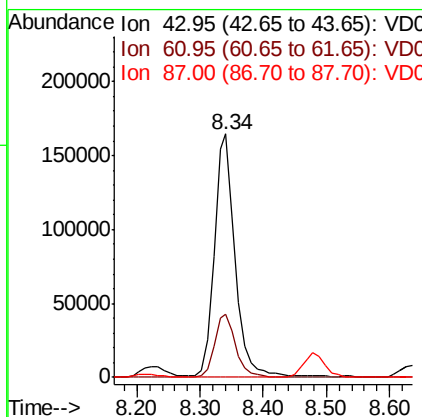
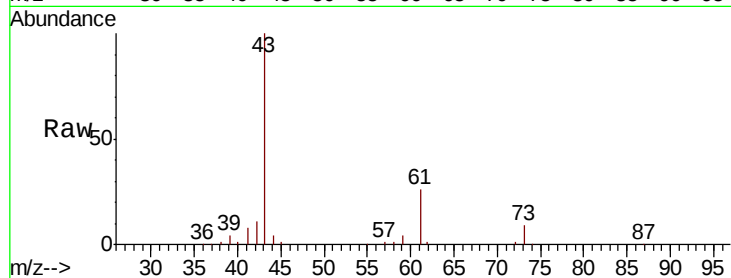
Isopropyl Acetate
 Concen: 22.925 ug/l
 RT: 8.34 min Scan# 693
 Delta R.T. 0.02 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.9	21.4	32.2
87	0.2	0.2	0.2

Manual Integrations
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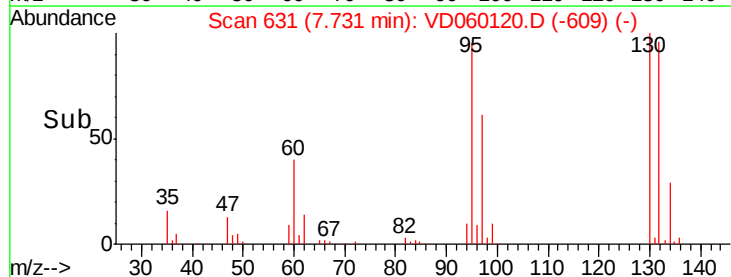
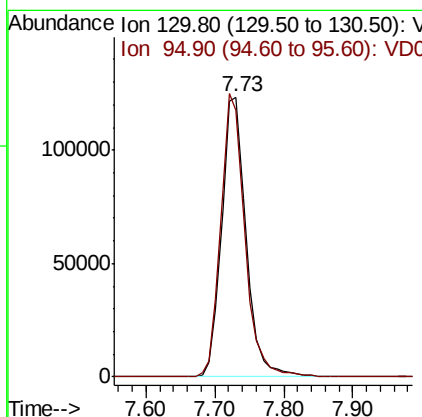
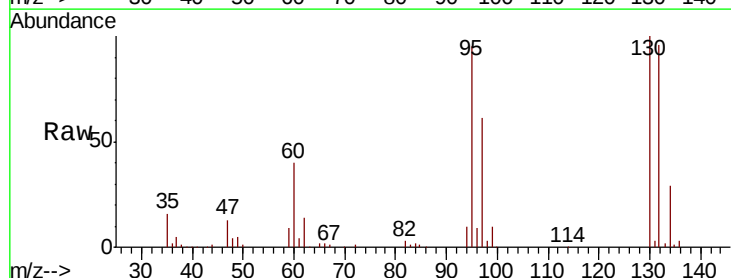
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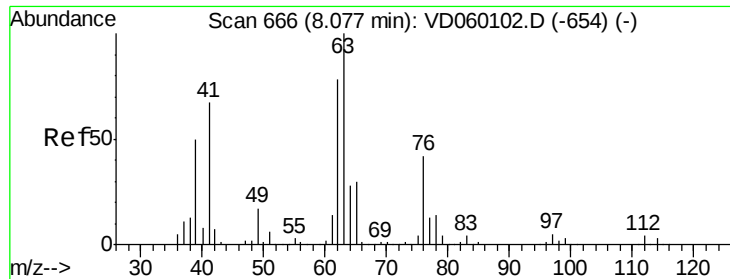


#44

Trichloroethene
 Concen: 19.846 ug/l
 RT: 7.73 min Scan# 631
 Delta R.T. 0.02 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	202.2





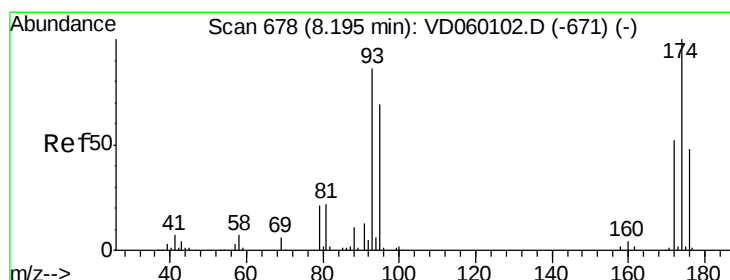
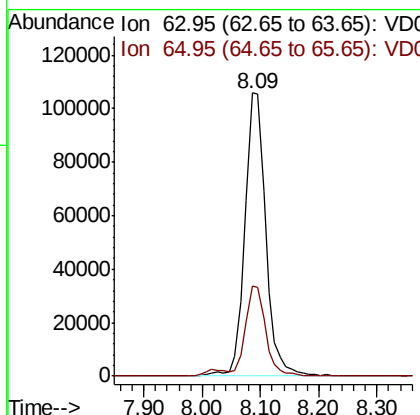
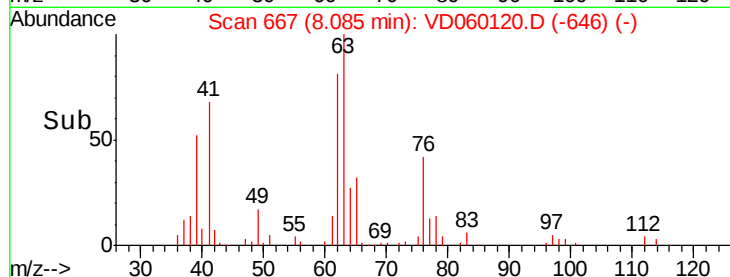
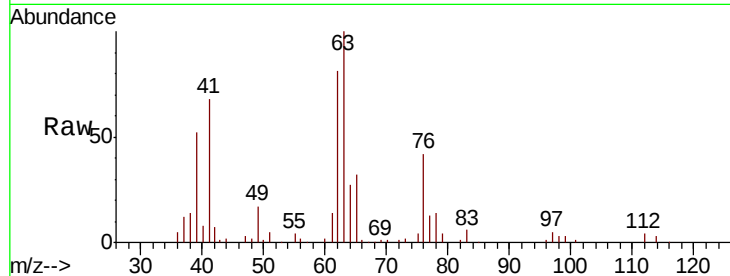
#45
 1,2-Dichloropropane
 Concen: 20.589 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion: 63 Resp: 265575
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.1 36.1

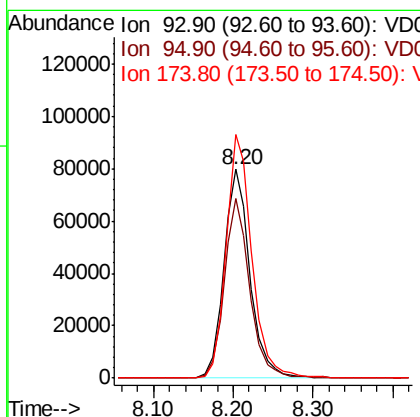
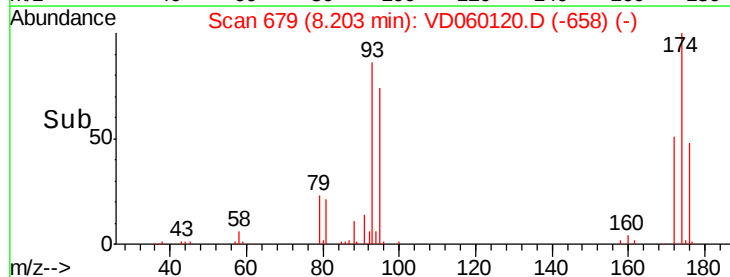
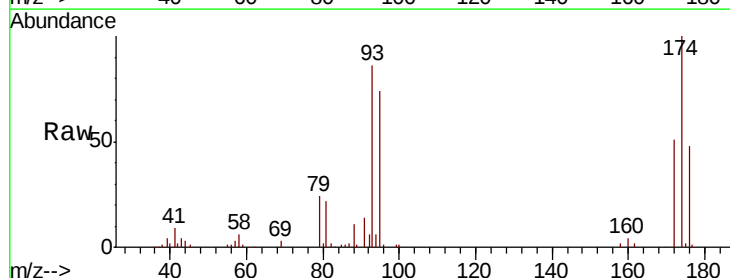
Manual Integrations
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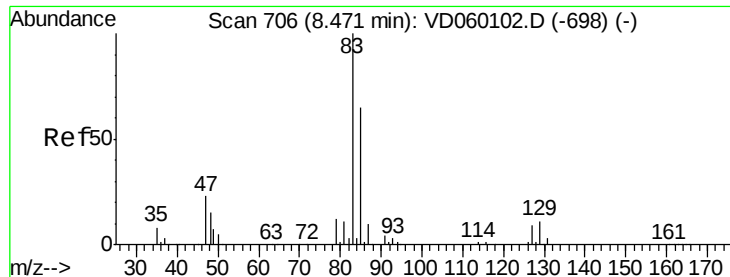
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#46
 Dibromomethane
 Concen: 21.882 ug/l
 RT: 8.20 min Scan# 679
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Tgt Ion: 93 Resp: 182731
 Ion Ratio Lower Upper
 93 100
 95 85.8 63.8 95.6
 174 116.8 92.9 139.3





#47

Bromodichloromethane

Concen: 21.487 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Instrument :

MSVOA_D

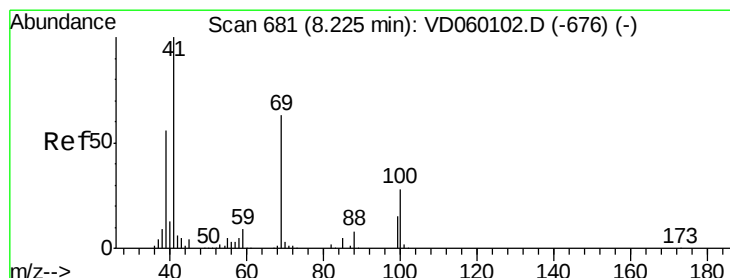
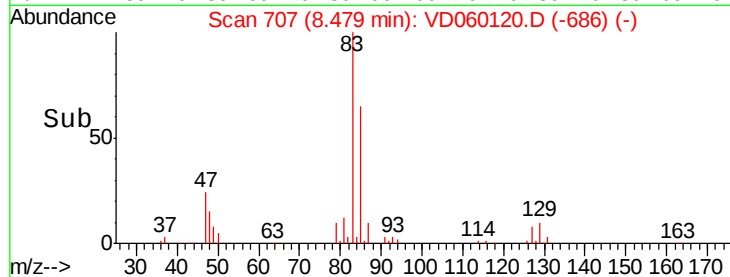
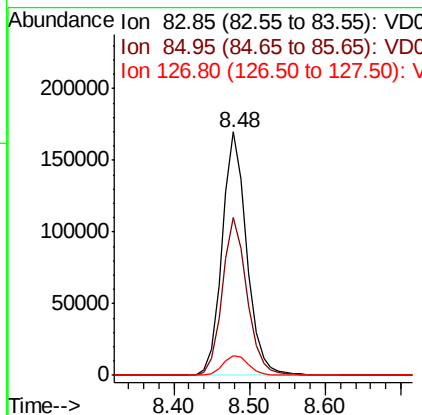
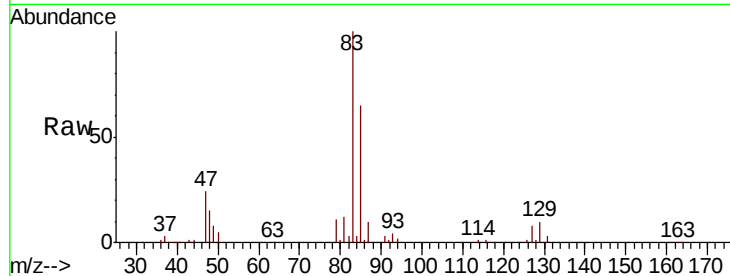
ClientSampleId :

VD1003SBS01

Tot Ion:	83	Resp:	382326
Ion Ratio	Lower	Upper	
83	100		
85	64.8	52.2	78.2
127	8.3	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 23.053 ug/l

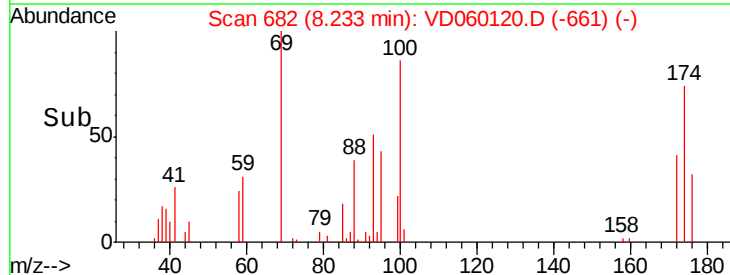
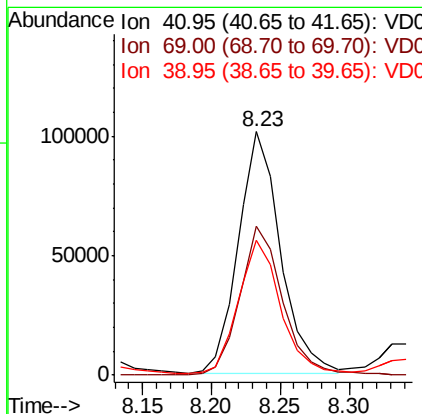
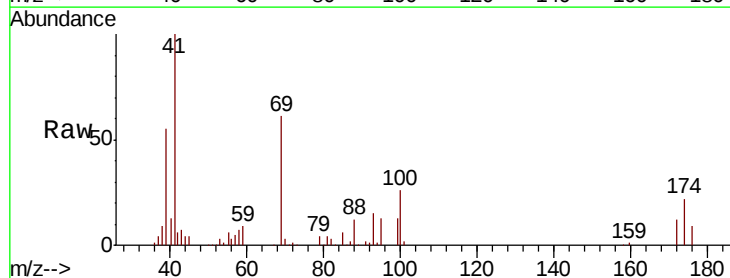
RT: 8.23 min Scan# 682

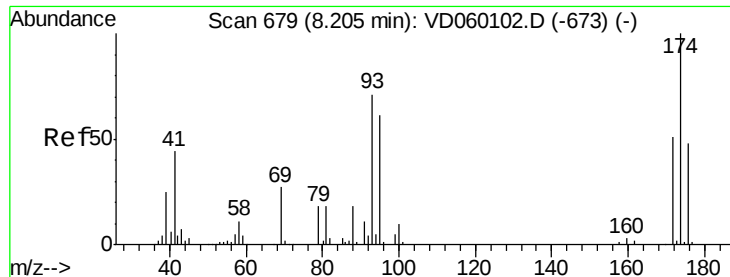
Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Tgt Ion:	41	Resp:	215914
Ion Ratio	Lower	Upper	
41	100		
69	61.0	49.7	74.5
39	55.5	45.2	67.8





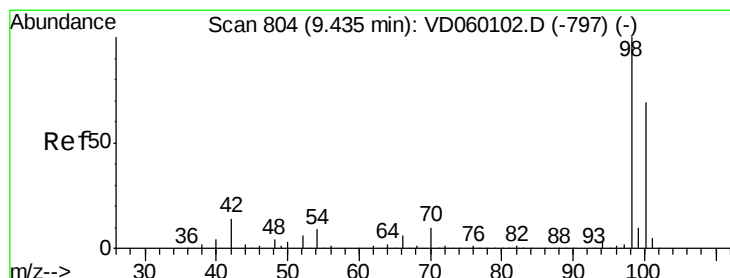
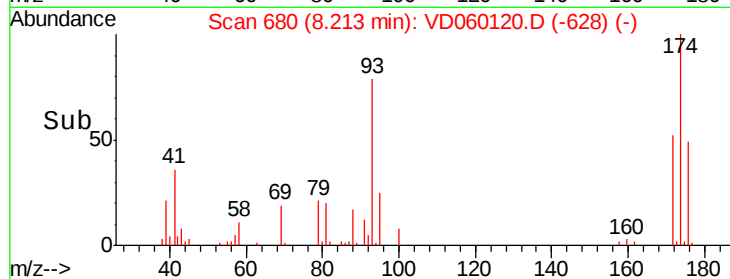
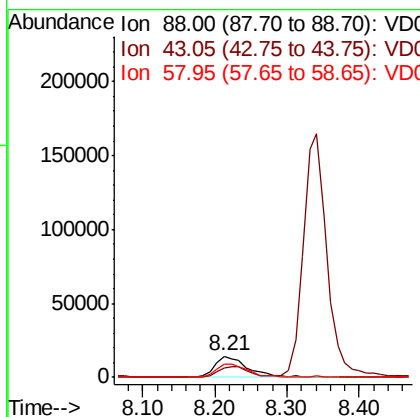
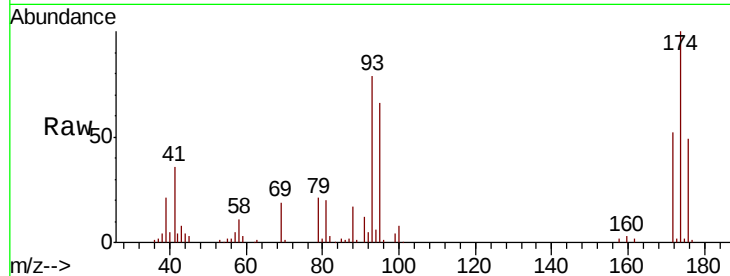
#49
 1,4-Dioxane
 Concen: 485.528 ug/l
 RT: 8.21 min Scan# 680
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	88	Resp	44744
Ion	Ratio	Lower	Upper
88	100		
43	45.1	33.7	50.5
58	64.2	49.1	73.7

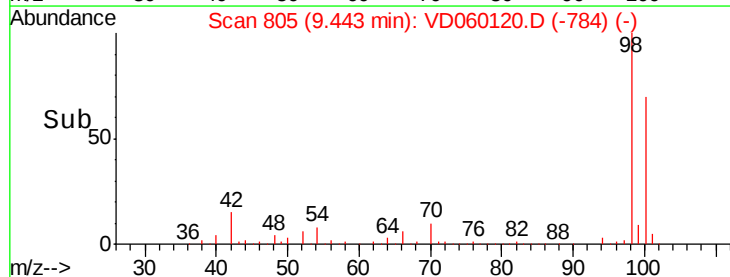
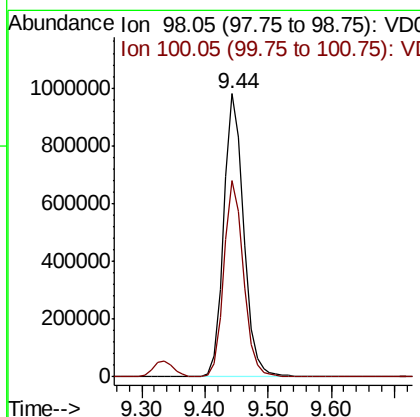
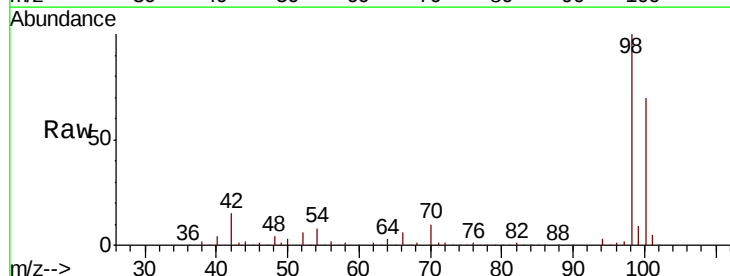
Manual Integrations
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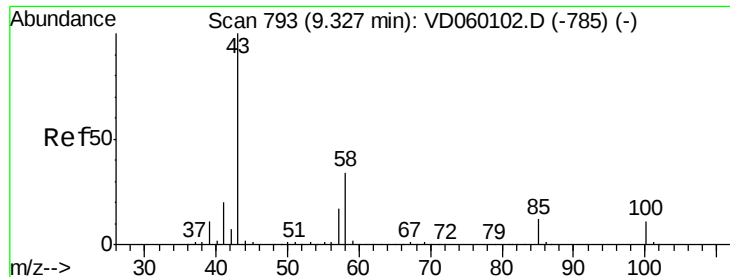
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#50
 Toluene-d8
 Concen: 485.528 ug/l
 RT: 9.44 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Tgt Ion	98	Resp	2152854
Ion	Ratio	Lower	Upper
98	100		
100	69.6	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 117.637 ug/l

RT: 9.33 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 43 Resp: 1220022

Ion Ratio Lower Upper

43 100

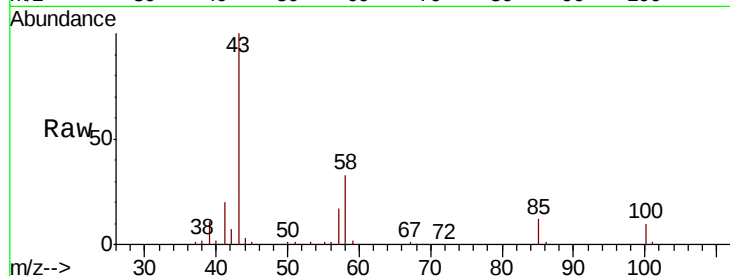
58 33.1 27.2 40.8

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

600000

500000

400000

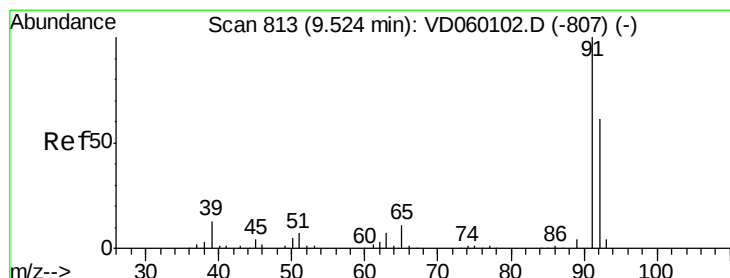
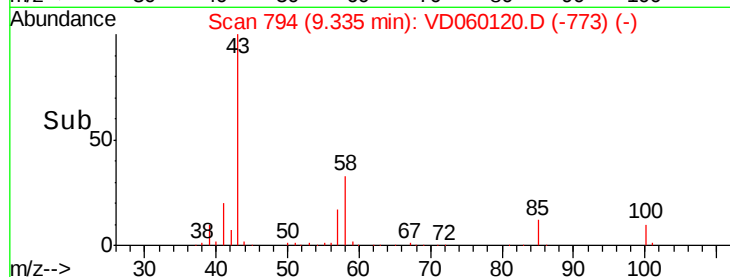
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.708 ug/l

RT: 9.54 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060120.D

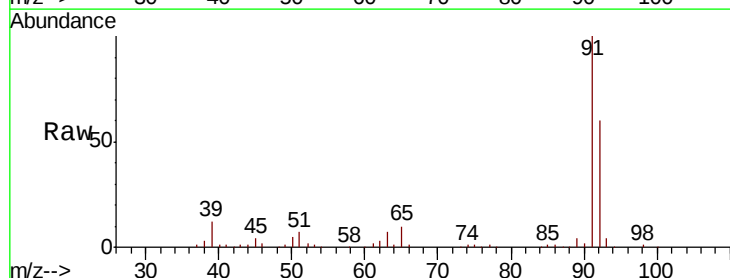
Acq: 3 Oct 2018 16:12

Tgt Ion: 92 Resp: 656964

Ion Ratio Lower Upper

92 100

91 165.7 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

600000

500000

400000

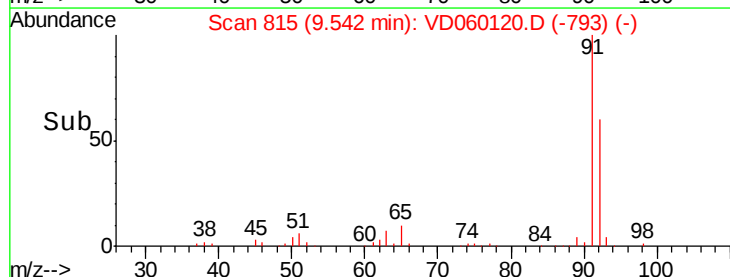
300000

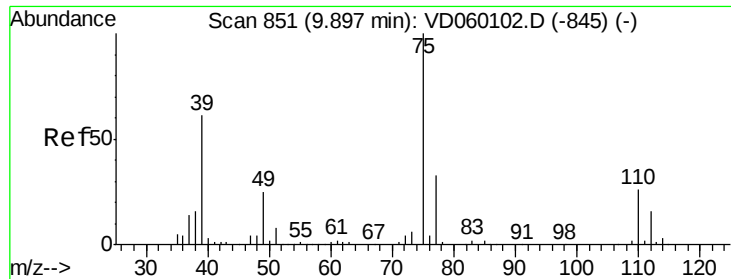
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.933 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 75 Resp: 353118

Ion Ratio Lower Upper

75 100

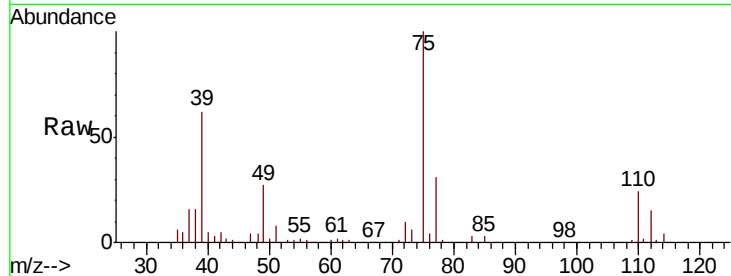
77 31.1 26.2 39.2

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

200000

150000

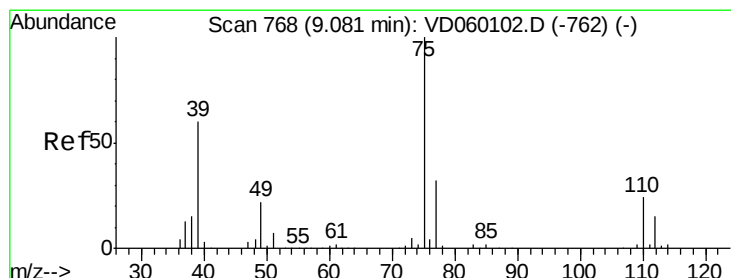
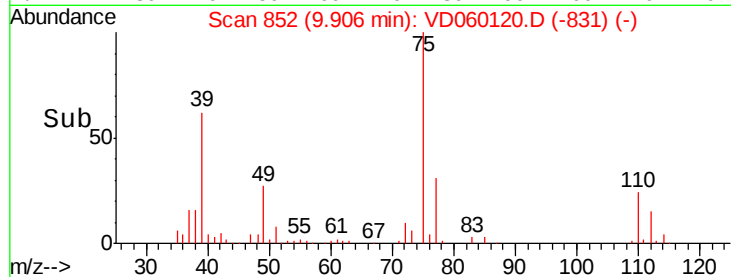
100000

50000

0

9.80 9.90 10.00 10.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.456 ug/l

RT: 9.09 min Scan# 769

Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

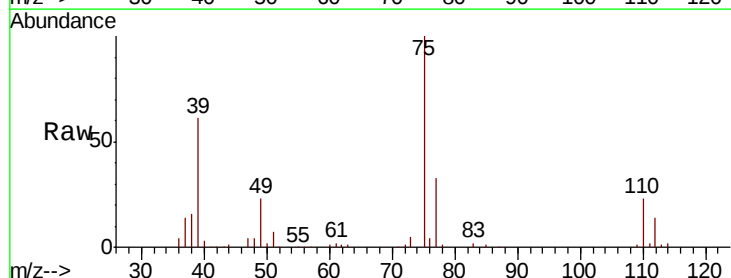
Tgt Ion: 75 Resp: 426573

Ion Ratio Lower Upper

75 100

77 32.8 25.7 38.5

39 60.9 48.2 72.4



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

250000

200000

150000

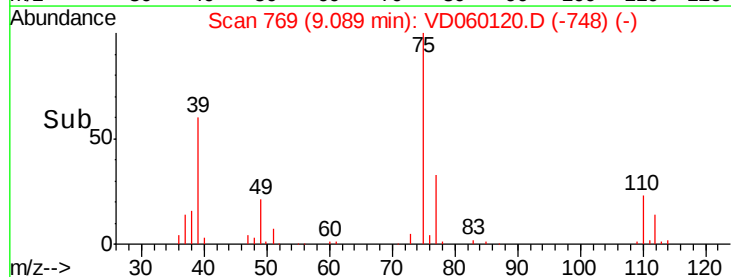
100000

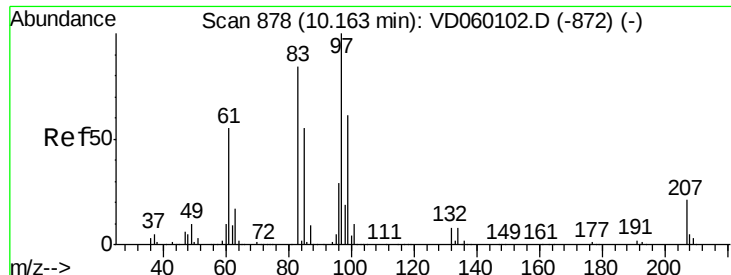
50000

0

9.00 9.10 9.20 9.30

Time-->





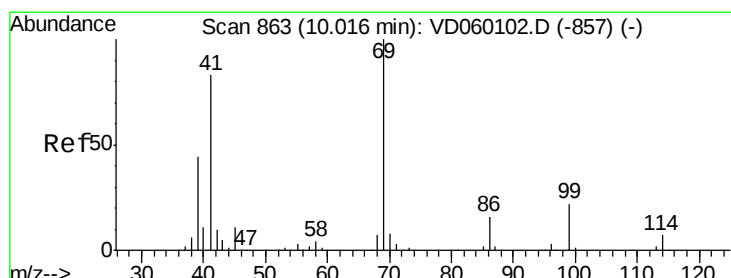
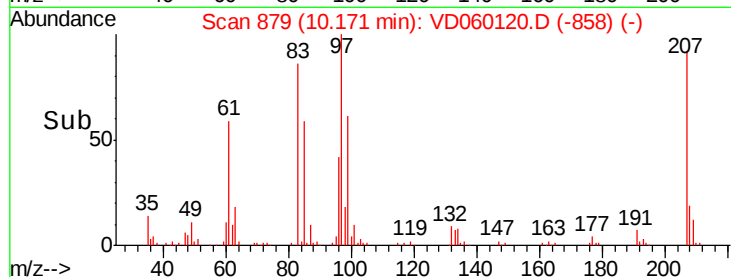
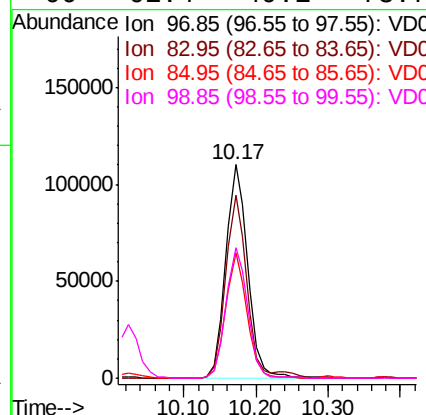
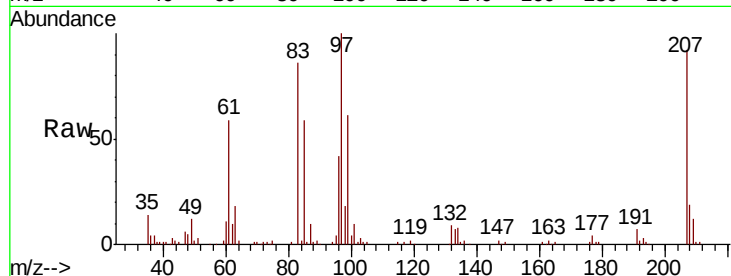
#55
 1,1,2-Trichloroethane
 Concen: 22.264 ug/l
 RT: 10.17 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	97	Resp	230911
Ion Ratio	Lower	Upper	
97	100		
83	85.8	67.0	100.6
85	58.5	43.9	65.9
99	61.4	49.1	73.7

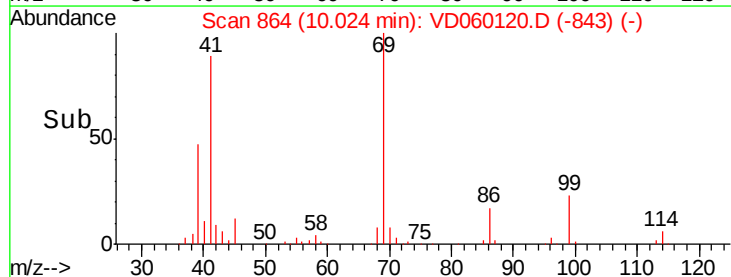
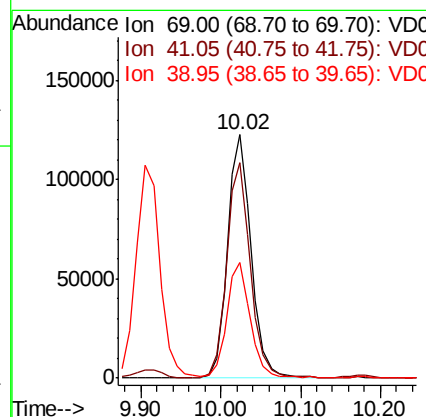
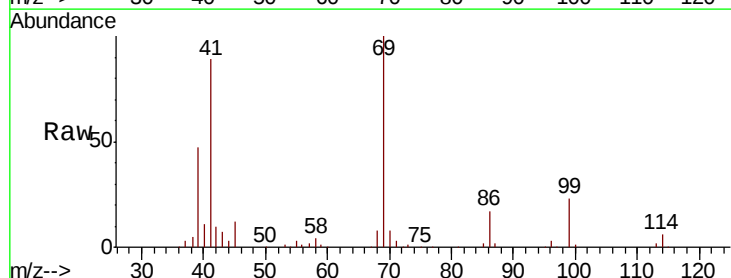
Manual Integrations
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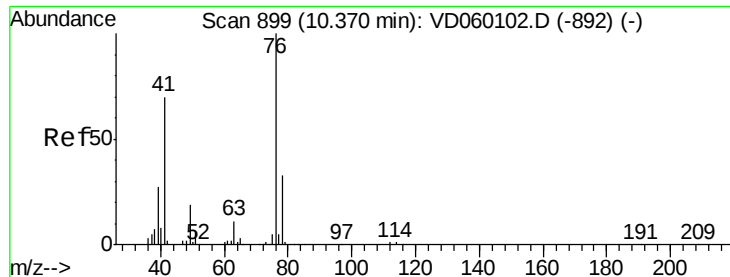
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#56
 Ethyl methacrylate
 Concen: 22.296 ug/l
 RT: 10.02 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Tgt Ion	69	Resp	255263
Ion Ratio	Lower	Upper	
69	100		
41	88.6	66.6	100.0
39	47.3	36.0	54.0





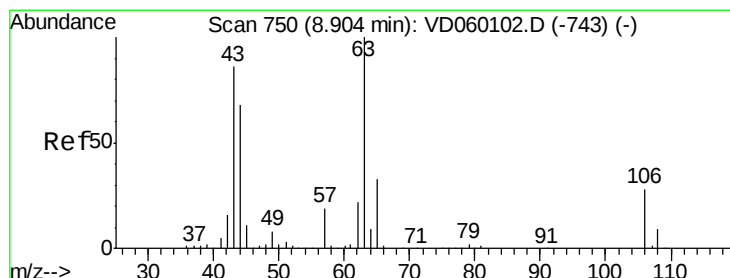
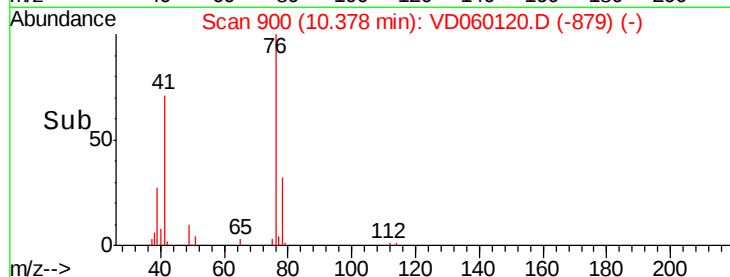
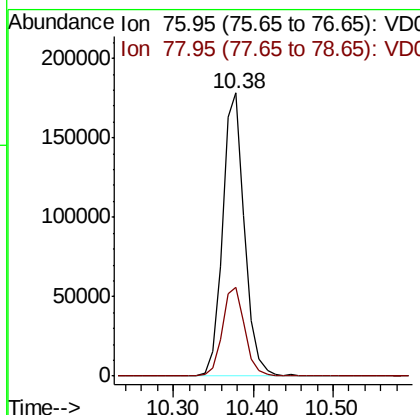
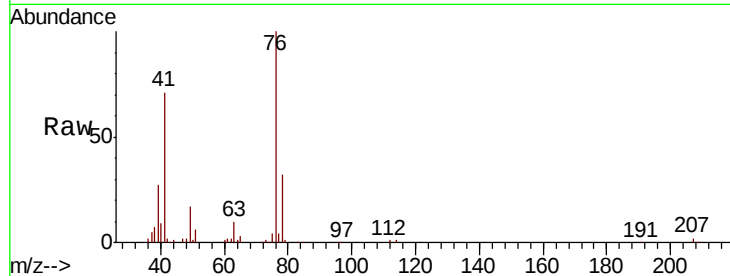
#57
 1,3-Dichloropropane
 Concen: 21.722 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion: 76 Resp: 343603
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.2 39.2

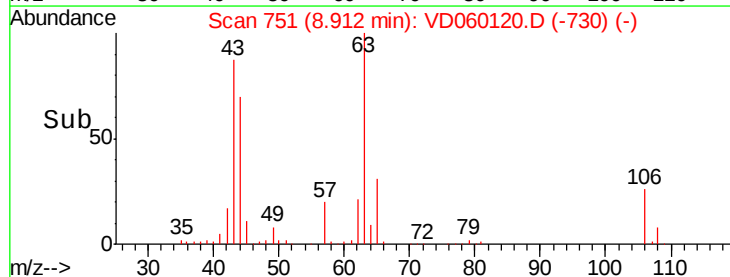
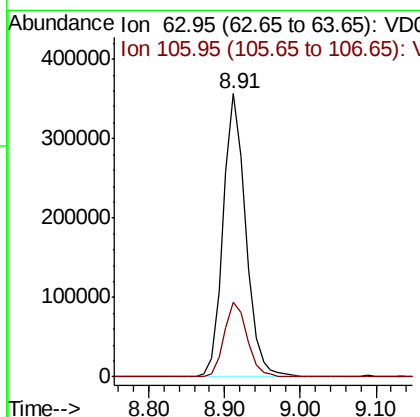
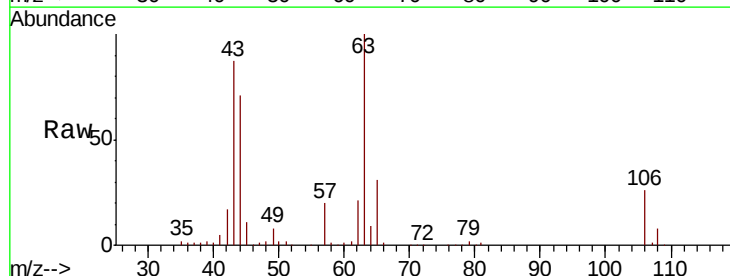
Manual Integrations
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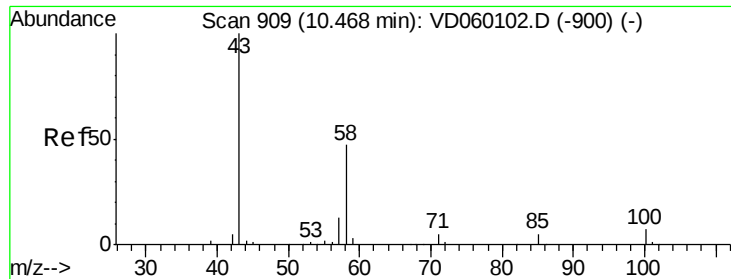
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#58
 2-Chloroethyl Vinyl ether
 Concen: 116.511 ug/l
 RT: 8.91 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Tgt Ion: 63 Resp: 740734
 Ion Ratio Lower Upper
 63 100
 106 26.4 22.6 34.0





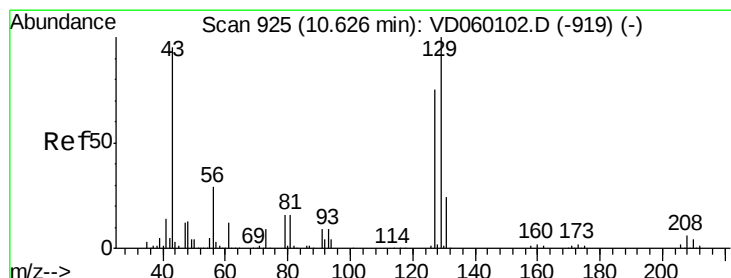
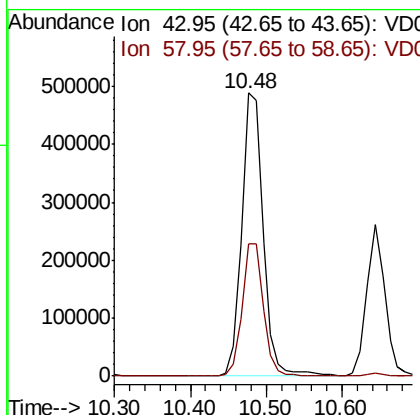
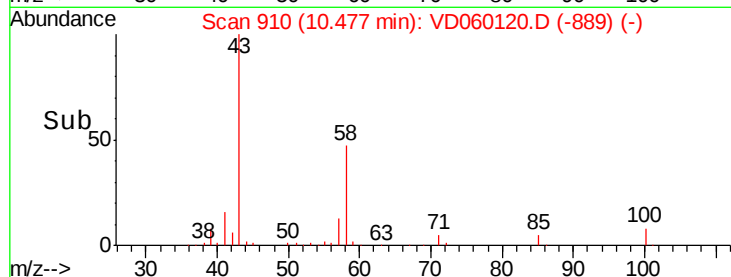
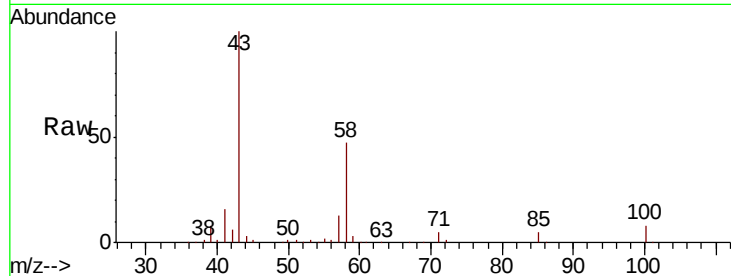
#59
2-Hexanone
Concen: 127.706 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion: 43 Resp: 952385
Ion Ratio Lower Upper
43 100
58 47.0 23.3 69.9

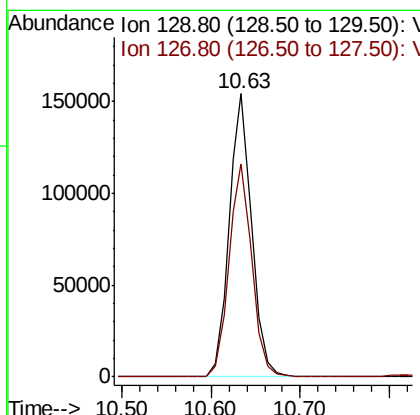
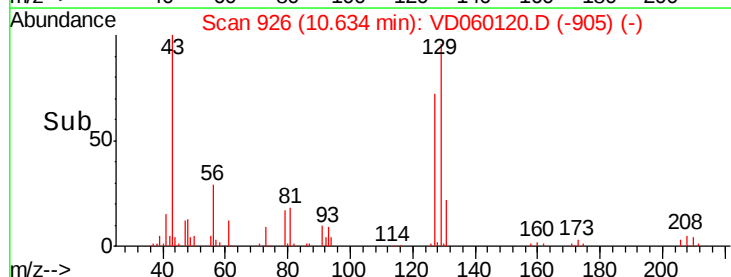
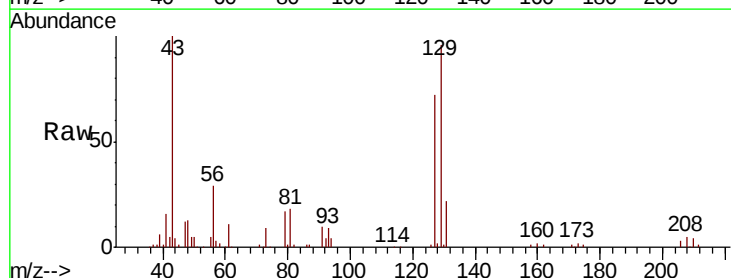
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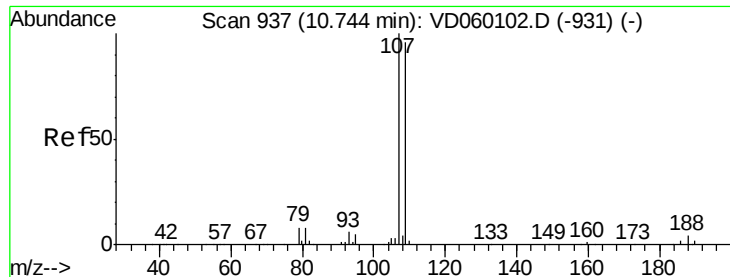
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#60
Dibromochloromethane
Concen: 21.538 ug/l
RT: 10.63 min Scan# 926
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Tgt Ion: 129 Resp: 274082
Ion Ratio Lower Upper
129 100
127 75.1 37.4 112.2





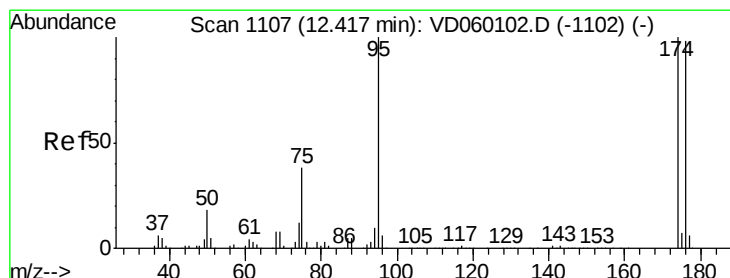
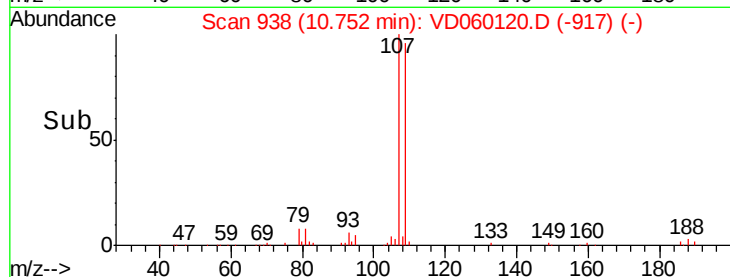
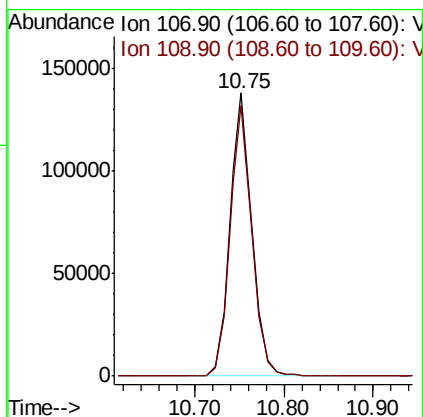
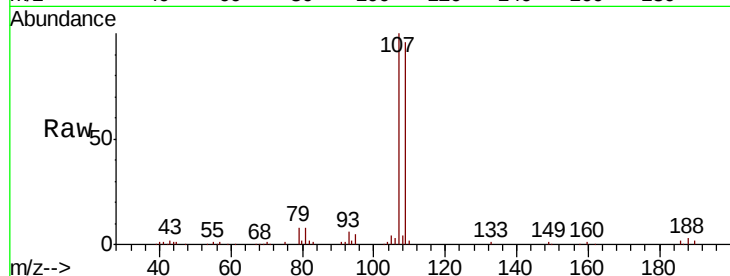
#61
1,2-Dibromoethane
Concen: 21.614 ug/l
RT: 10.75 min Scan# 938
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion: 107 Resp: 238184
Ion Ratio Lower Upper
107 100
109 95.5 77.1 115.7

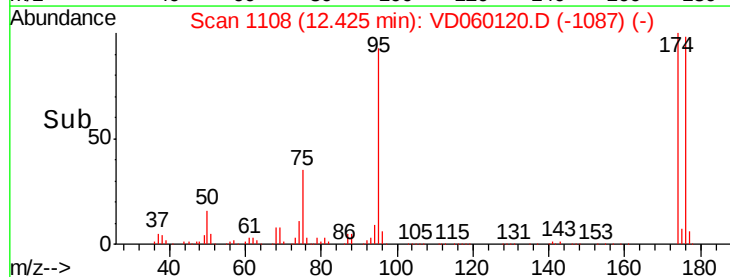
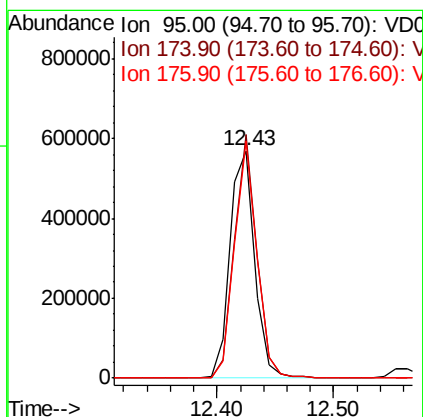
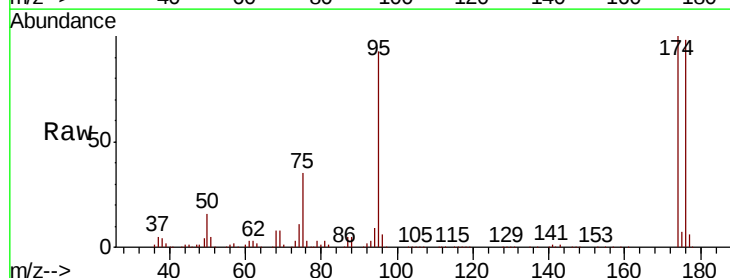
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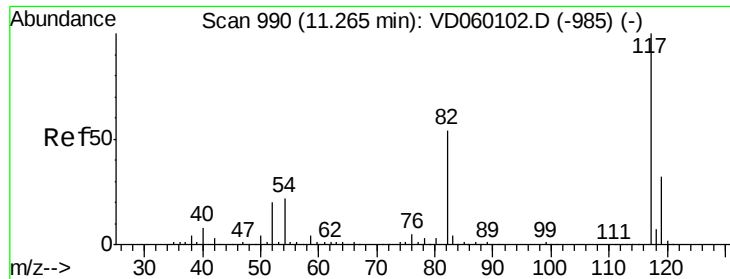
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#62
4-Bromofluorobenzene
Concen: 21.614 ug/l
RT: 12.43 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Tgt Ion: 95 Resp: 837192
Ion Ratio Lower Upper
95 100
174 107.0 0.0 200.2
176 104.4 0.0 195.6





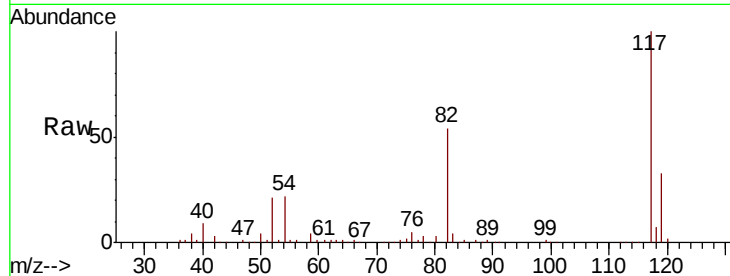
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

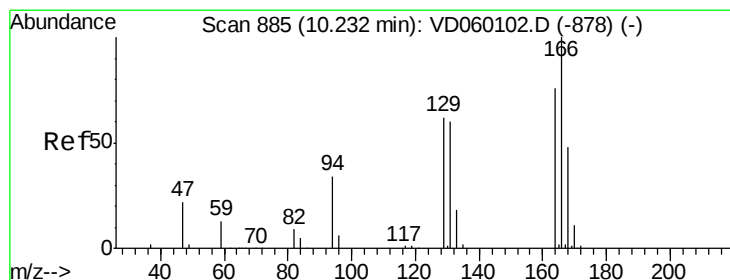
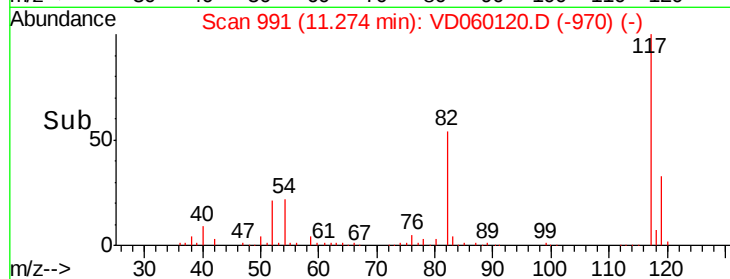
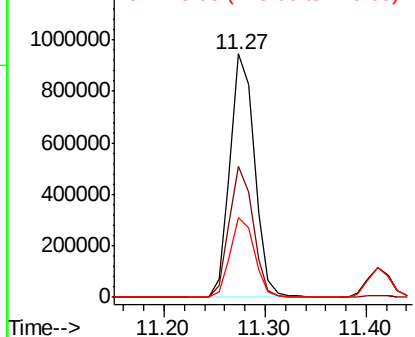
Tot Ion:117 Resp: 1604947
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.2
119 32.8 26.0 39.0

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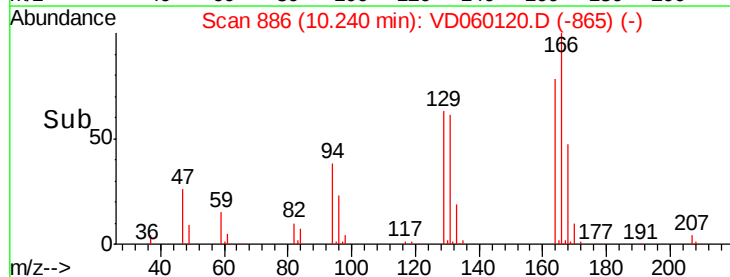
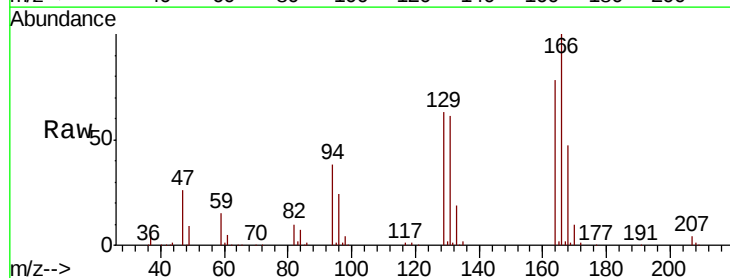
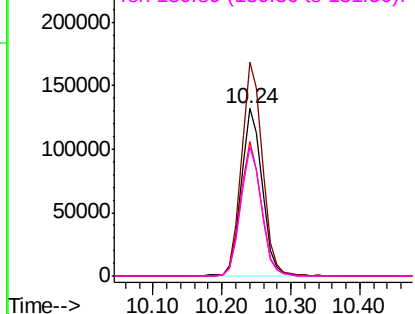
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

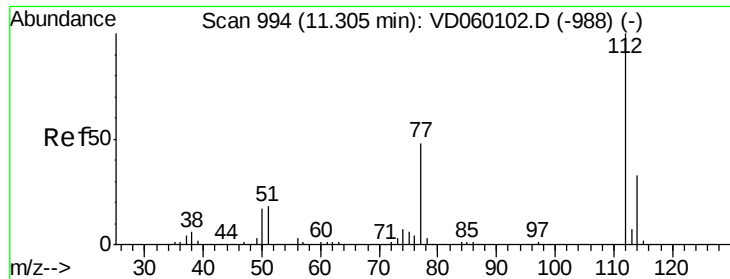


#64
Tetrachloroethene
Concen: 19.812 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Tgt Ion:164 Resp: 278501
Ion Ratio Lower Upper
164 100
166 127.4 105.4 158.0
129 80.4 65.7 98.5
131 77.2 62.9 94.3

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





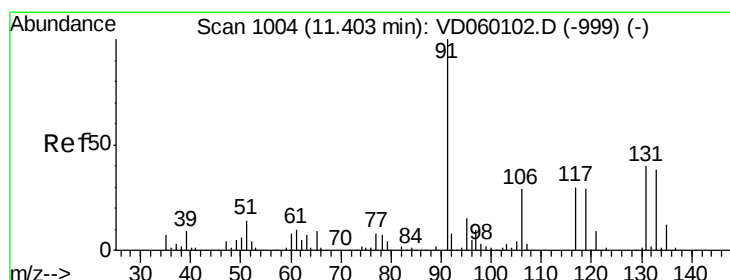
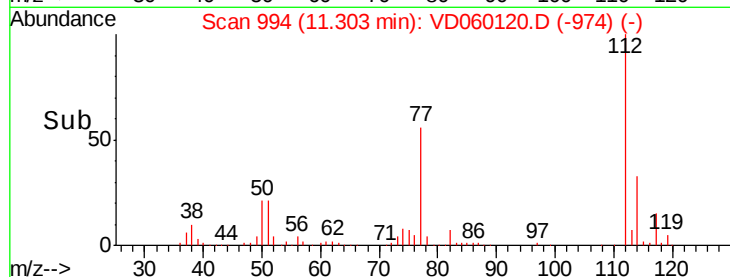
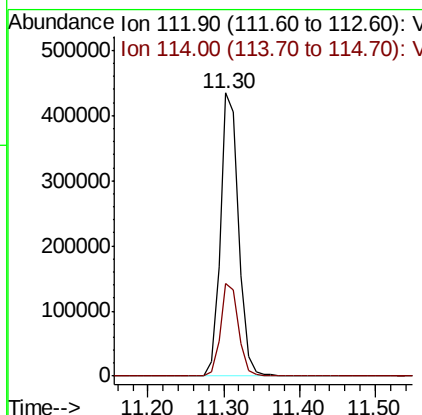
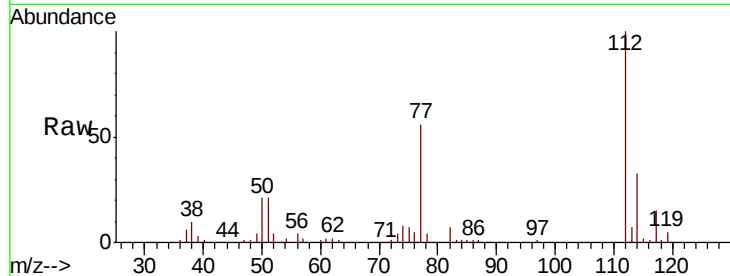
#65
Chlorobenzene
Concen: 20.991 ug/l
RT: 11.30 min Scan# 994
Delta R.T. -0.00 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion:112 Resp: 728843
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0

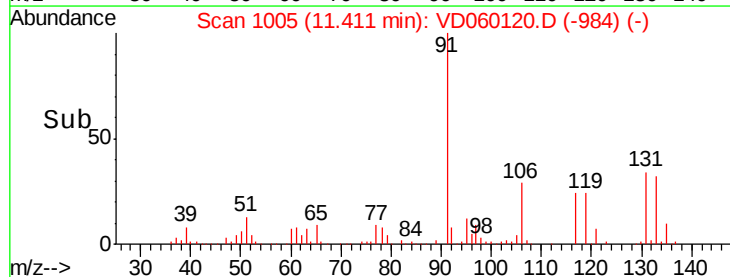
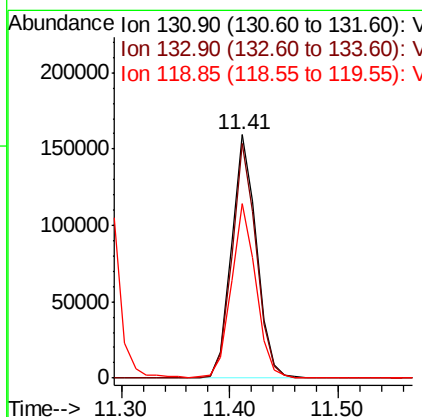
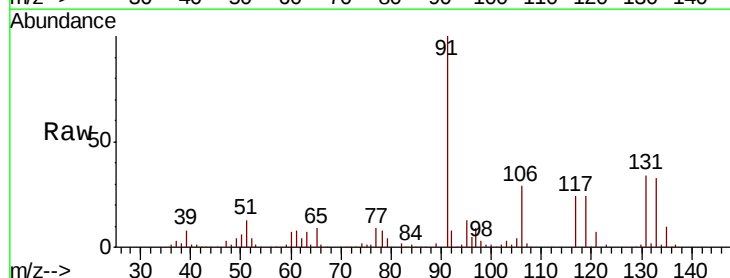
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.095 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Tgt Ion:131 Resp: 255928
Ion Ratio Lower Upper
131 100
133 96.3 47.4 142.3
119 71.5 36.1 108.3





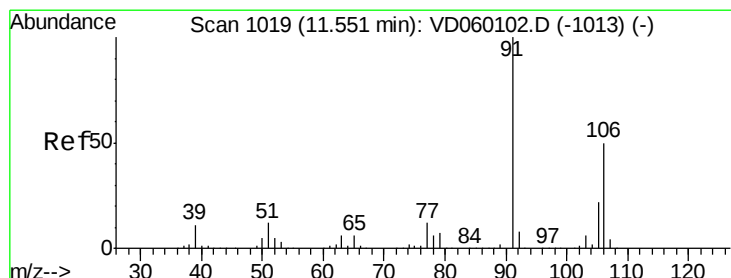
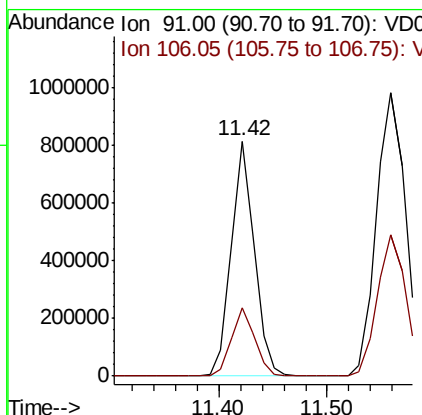
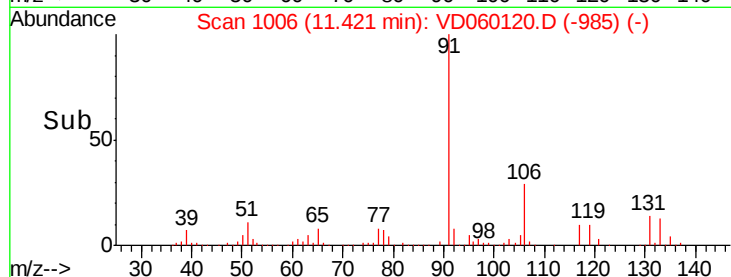
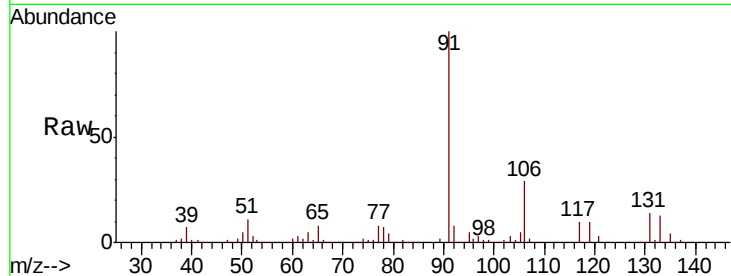
#67
Ethyl Benzene
Concen: 21.768 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampled :
VD1003SBS01

Tot Ion: 91 Resp: 1224519
Ion Ratio Lower Upper
91 100
106 29.3 24.4 36.6

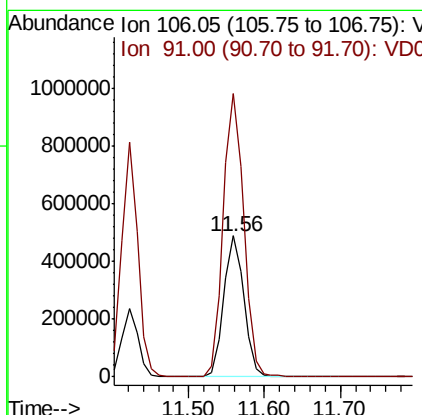
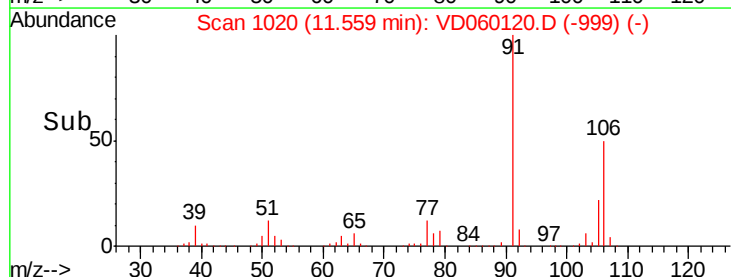
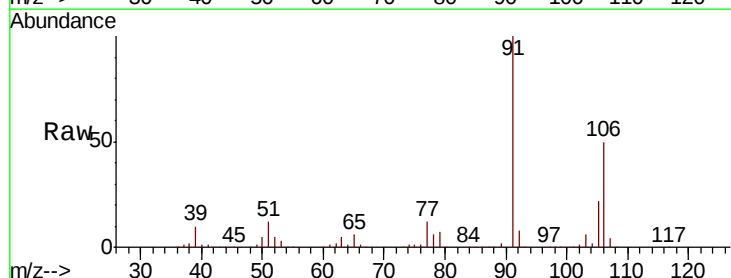
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#68
m/p-Xylenes
Concen: 42.952 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Tgt Ion: 106 Resp: 902790
Ion Ratio Lower Upper
106 100
91 201.1 160.0 240.0





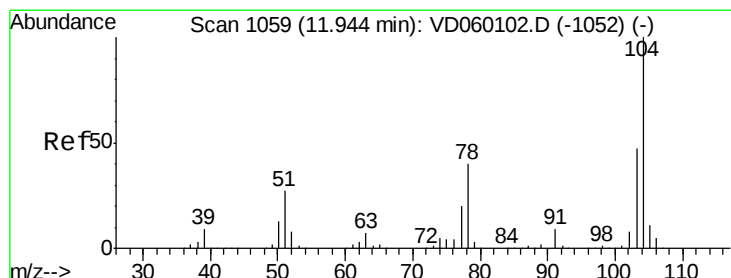
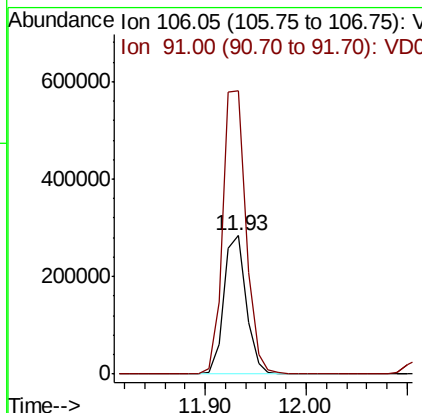
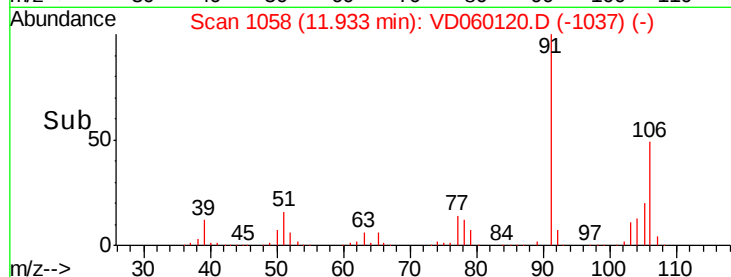
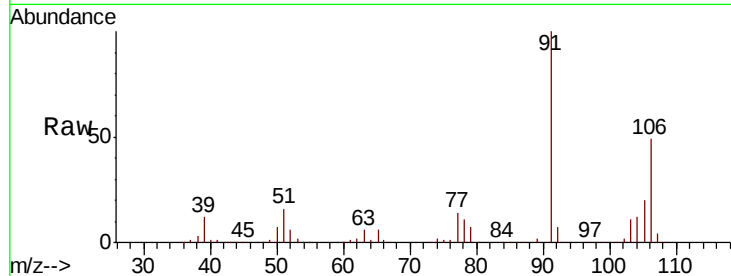
#69
o-Xylene
Concen: 21.161 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion:106 Resp: 439933
Ion Ratio Lower Upper
106 100
91 204.9 102.5 307.5

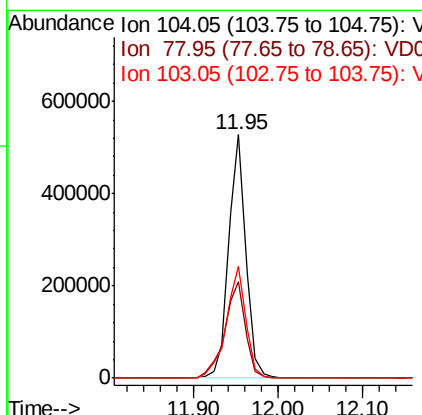
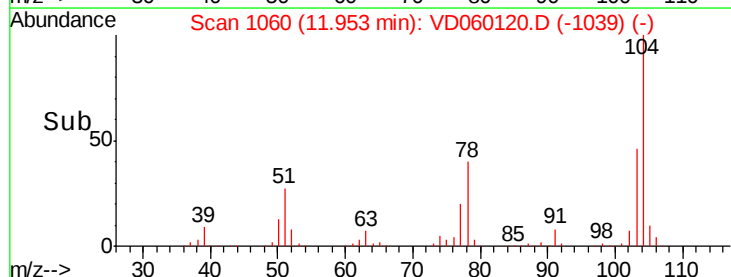
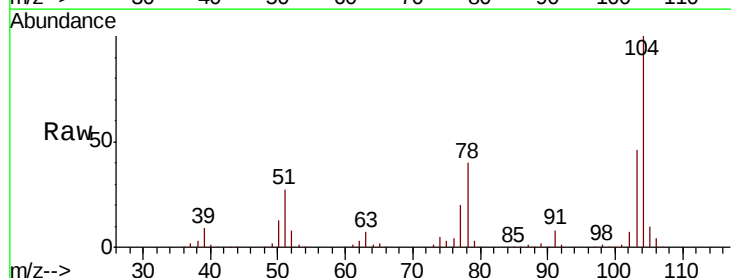
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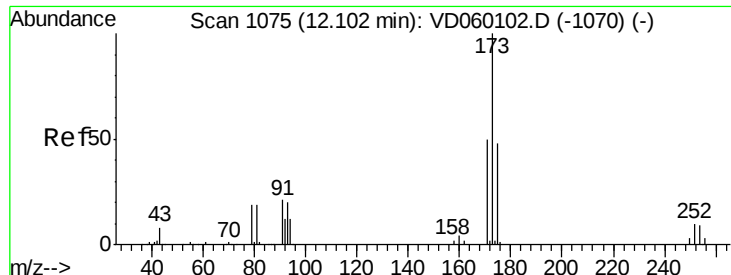
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#70
Styrene
Concen: 21.442 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Tgt Ion:104 Resp: 745470
Ion Ratio Lower Upper
104 100
78 39.5 32.2 48.4
103 46.1 37.4 56.0





#71

Bromoform

Concen: 21.029 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Instrument :

MSVOA_D

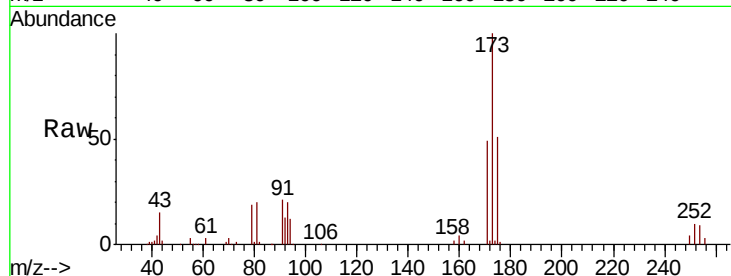
ClientSampleId :

VD1003SBS01

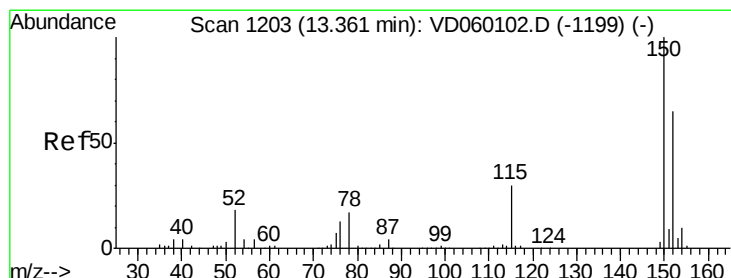
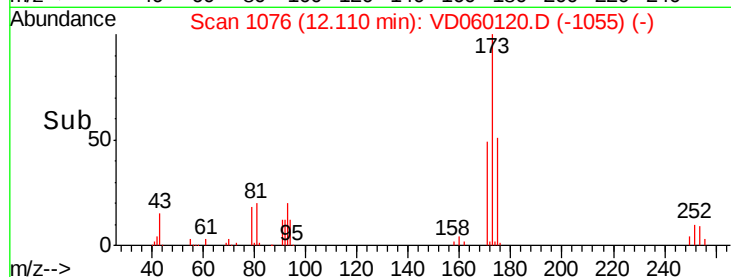
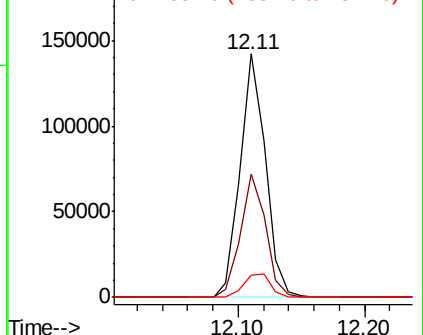
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.1	72.4
254	8.9	7.4	11.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

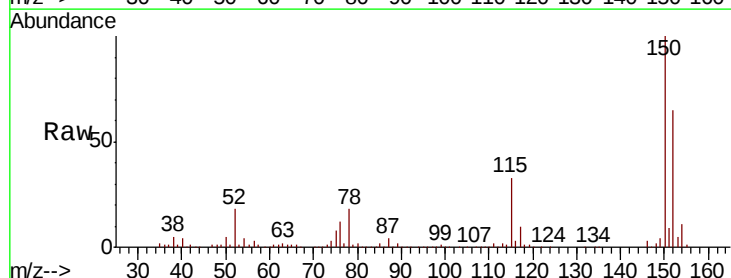
RT: 13.37 min Scan# 1204

Delta R.T. 0.01 min

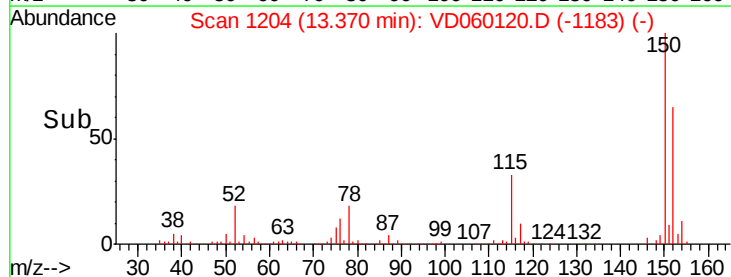
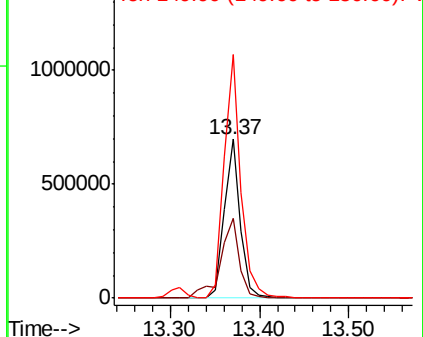
Lab File: VD060120.D

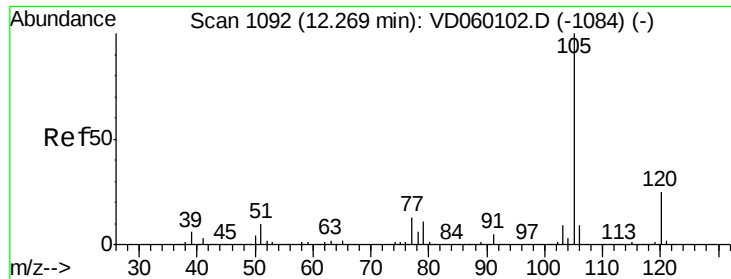
Acq: 3 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.0	27.1	81.2
150	153.4	0.0	311.8



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: 20.269 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion:105 Resp: 1188111

Ion Ratio Lower Upper

105 100

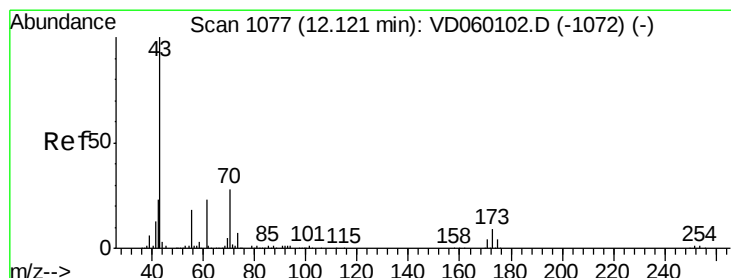
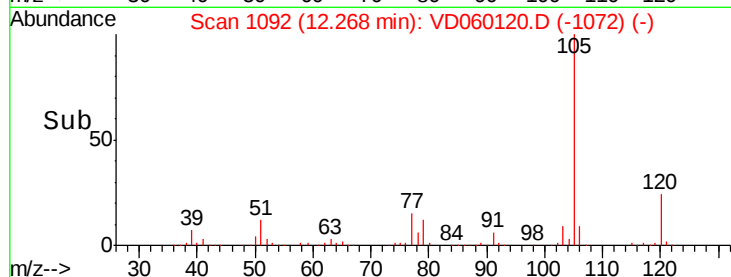
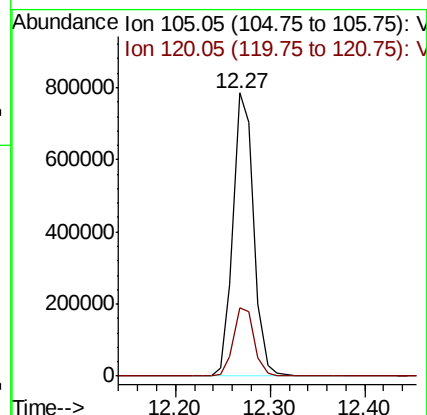
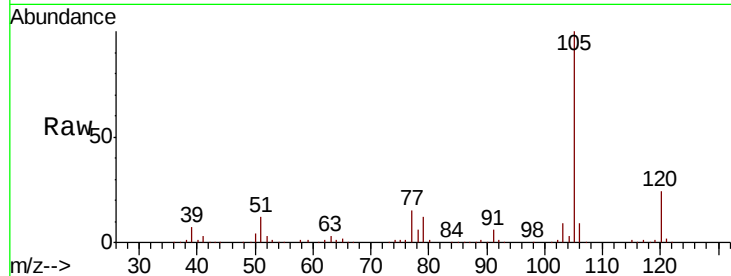
120 24.3 12.6 37.6

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#74

N-ethyl acetate

Concen: 21.776 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Tgt Ion: 43 Resp: 467562

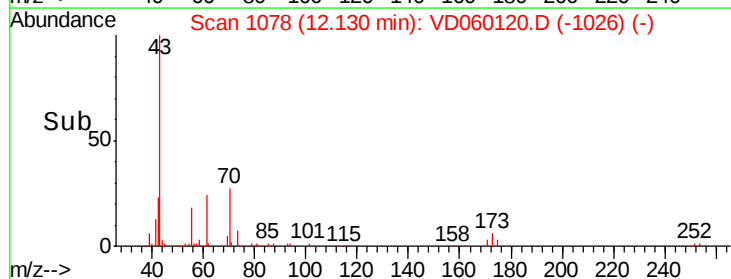
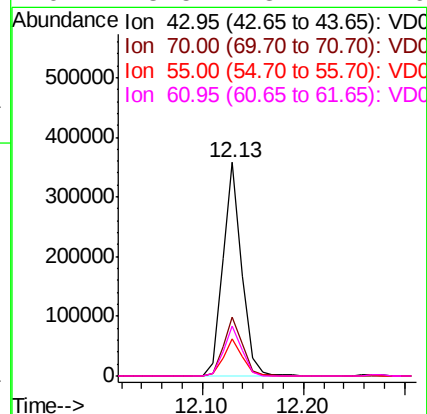
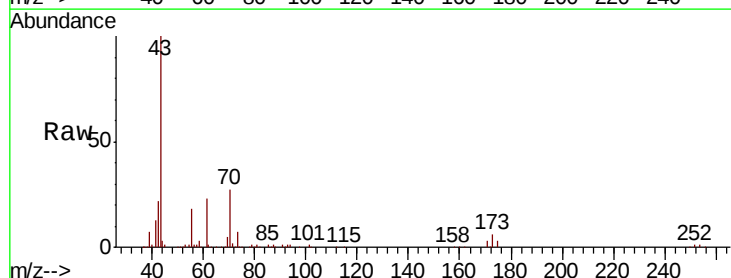
Ion Ratio Lower Upper

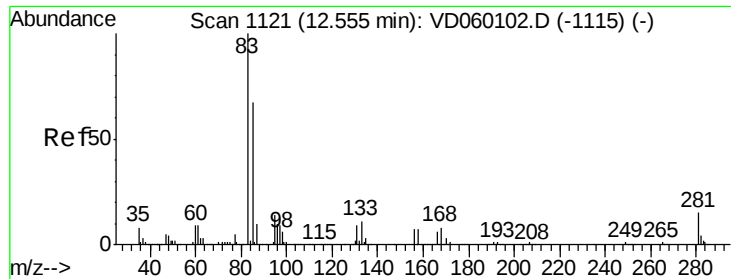
43 100

70 27.4 22.1 33.1

55 17.5 14.1 21.1

61 23.5 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.801 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 83 Resp: 278992

Ion Ratio Lower Upper

83 100

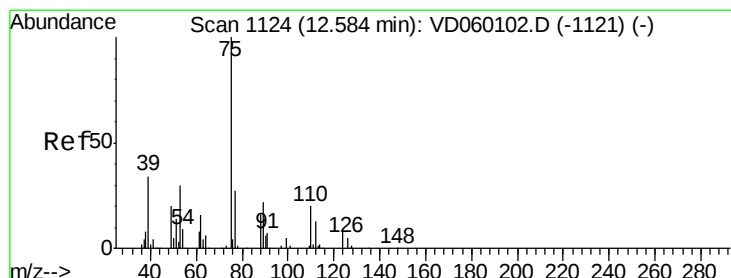
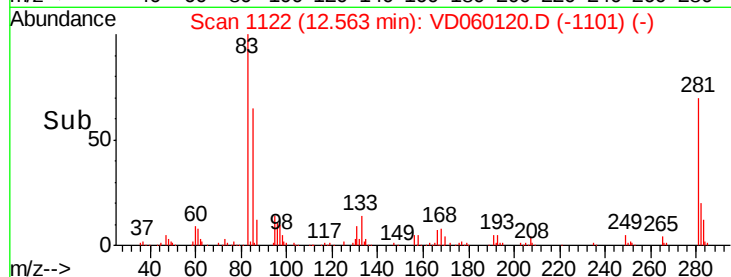
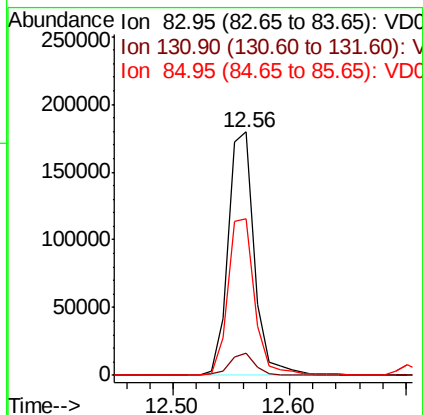
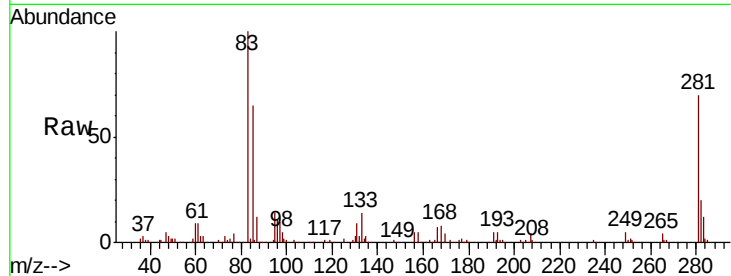
131 9.3 4.5 13.4

85 64.6 33.3 99.9

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#76

1,2,3-Trichloropropane

Concen: 22.154 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060120.D

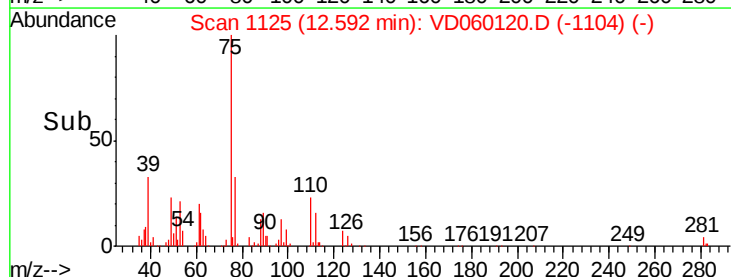
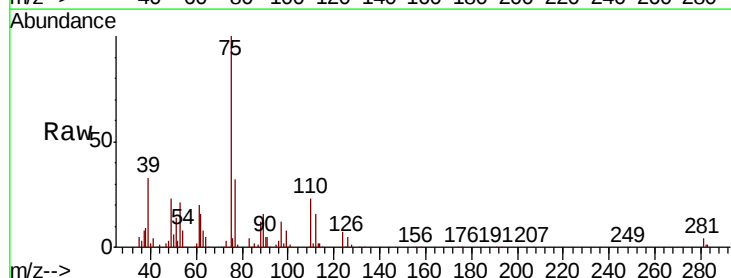
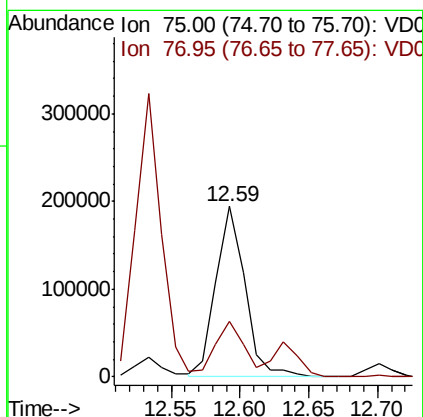
Acq: 3 Oct 2018 16:12

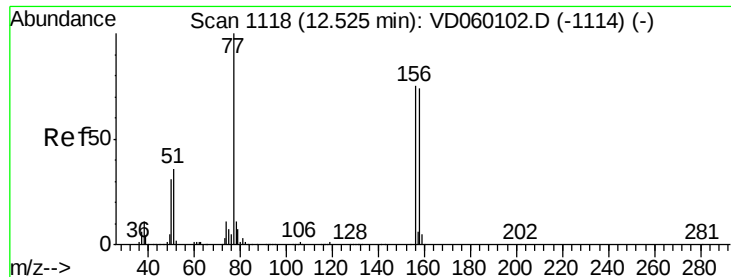
Tgt Ion: 75 Resp: 283474

Ion Ratio Lower Upper

75 100

77 32.4 16.3 48.9





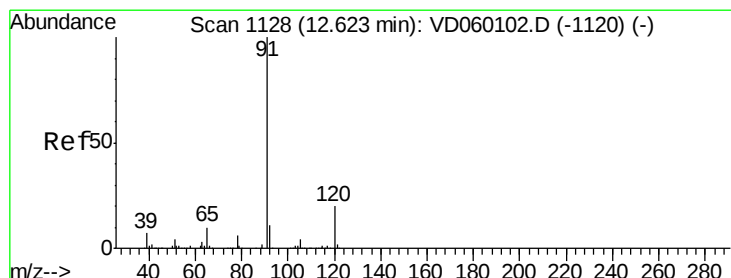
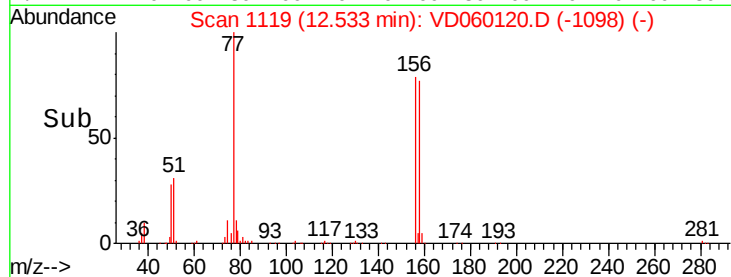
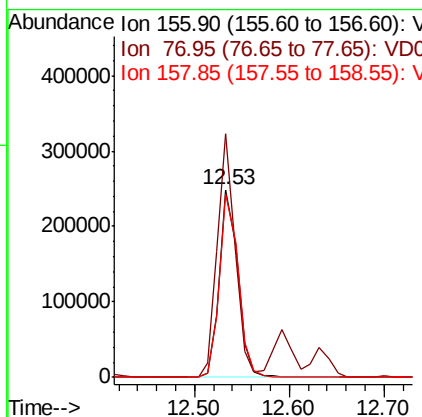
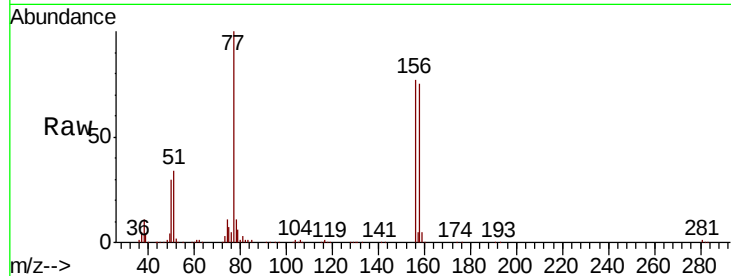
#77
Bromobenzene
Concen: 19.800 ug/l
RT: 12.53 min Scan# 1119
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	130.0	66.9	200.7
158	98.1	49.1	147.4

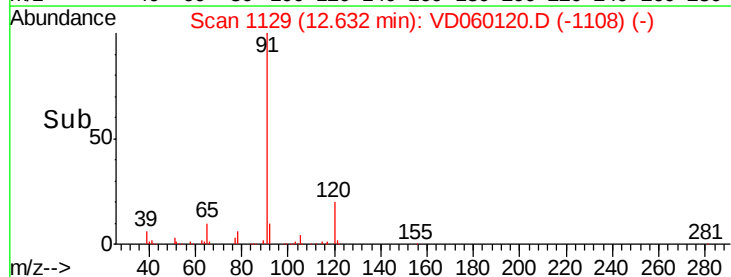
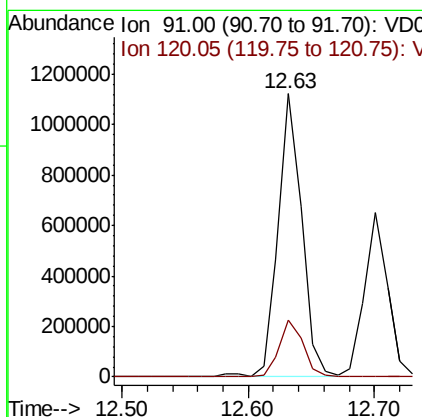
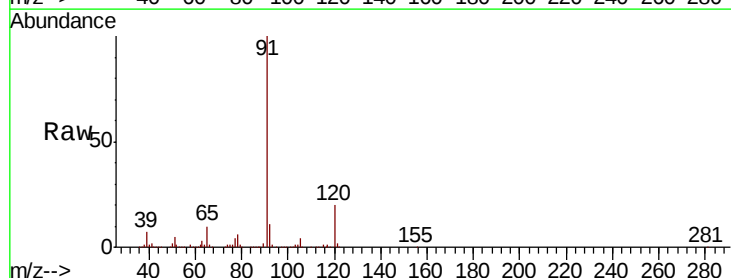
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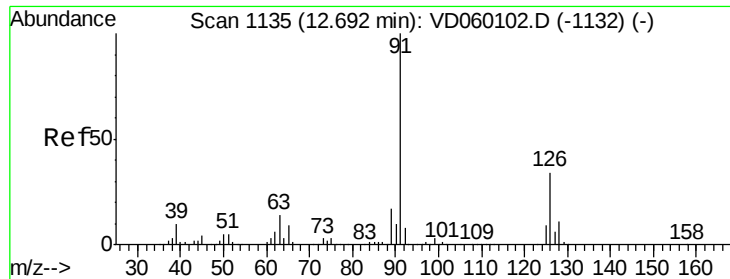
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#78
n-propylbenzene
Concen: 20.157 ug/l
RT: 12.63 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.1	10.0	30.0





#79

2-Chlorotoluene

Concen: 20.344 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 91 Resp: 821845

Ion Ratio Lower Upper

91 100

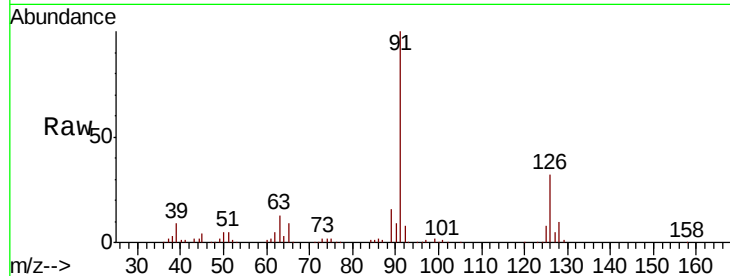
126 32.5 16.8 50.3

Manual Integrations

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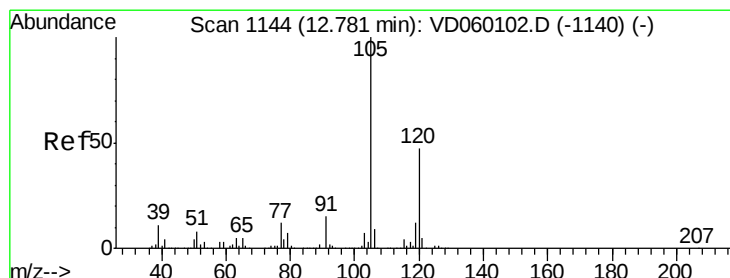
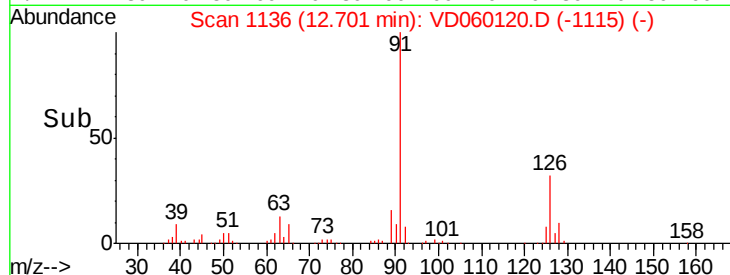
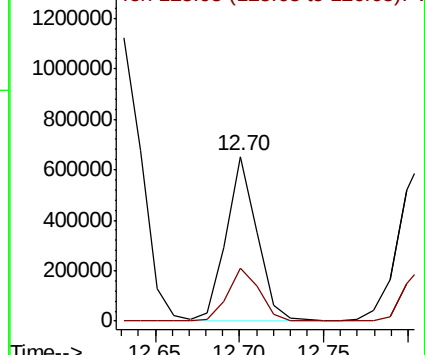
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 20.876 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060120.D

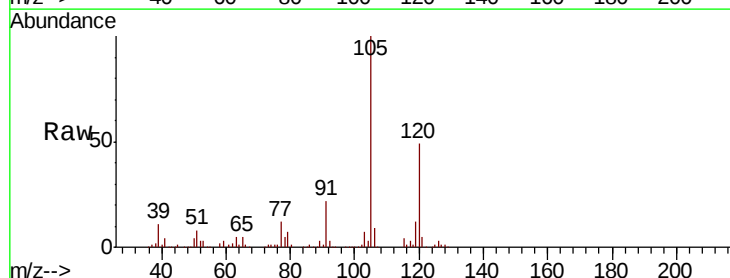
Acq: 3 Oct 2018 16:12

Tgt Ion: 105 Resp: 947106

Ion Ratio Lower Upper

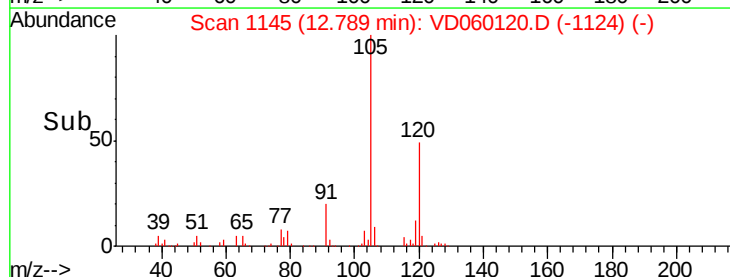
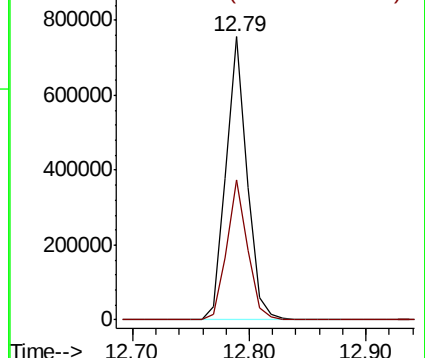
105 100

120 49.4 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.252 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Instrument :

MSVOA_D

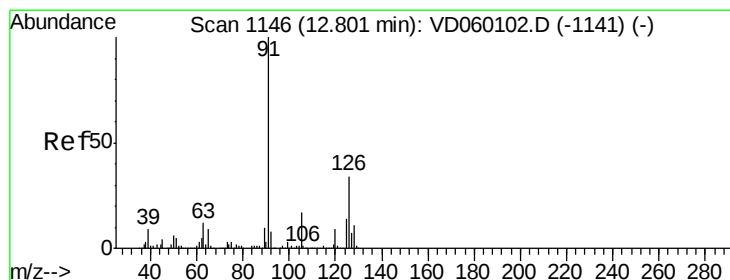
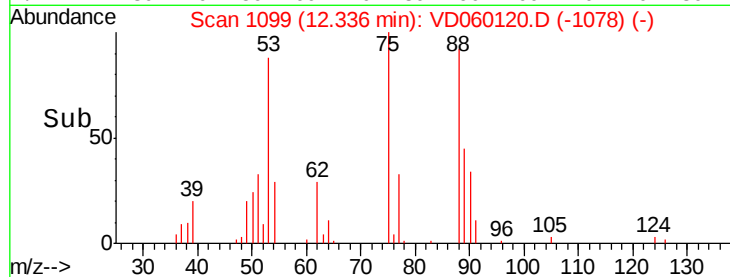
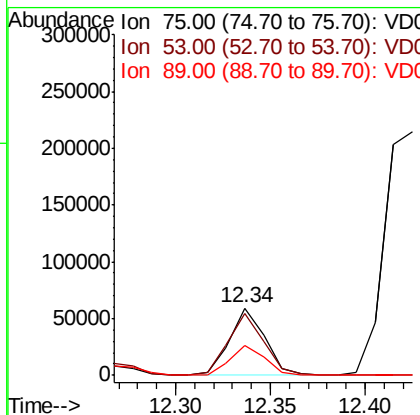
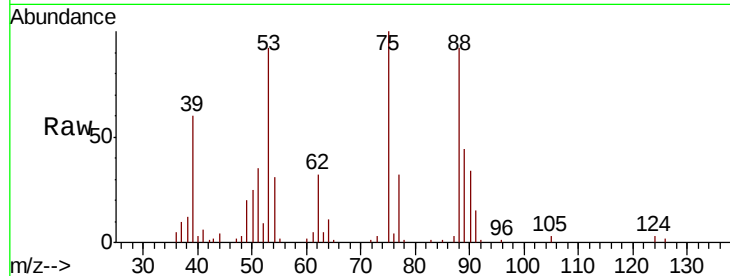
ClientSampleId :

VD1003SBS01

Tot Ion:	75	Resp:	76412
Ion Ratio	Lower	Upper	
75	100		
53	91.8	73.0	109.6
89	44.3	32.0	48.0

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#82

4-Chlorotoluene

Concen: 21.273 ug/l

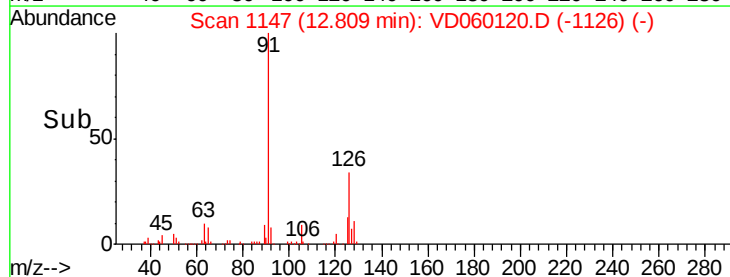
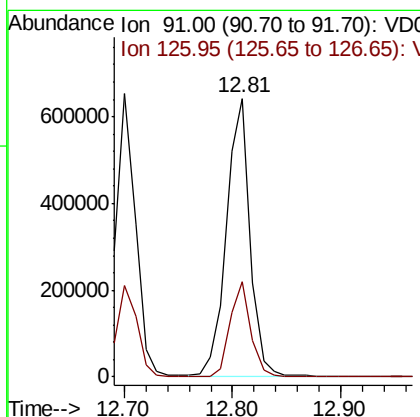
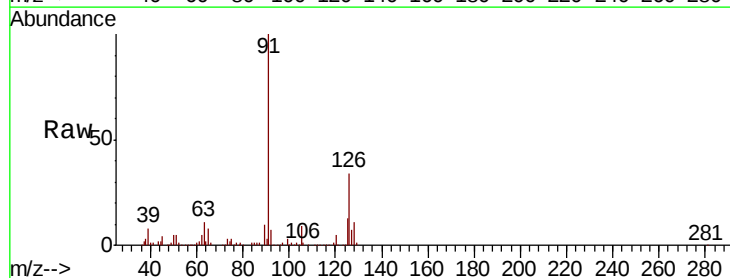
RT: 12.81 min Scan# 1147

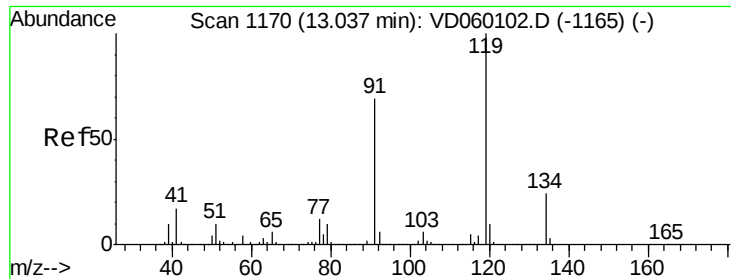
Delta R.T. 0.01 min

Lab File: VD060120.D

Acq: 3 Oct 2018 16:12

Tgt Ion:	91	Resp:	972007
Ion Ratio	Lower	Upper	
91	100		
126	34.1	17.1	51.2





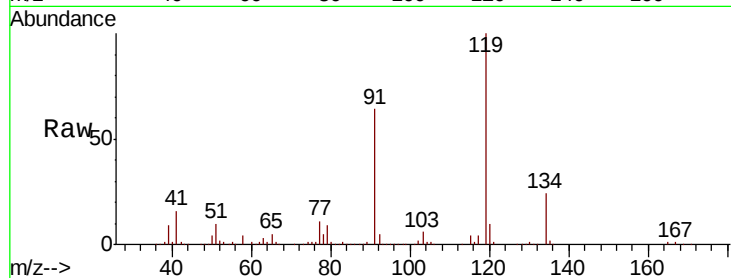
#83
tert-Butylbenzene
Concen: 20.167 ug/l
RT: 13.04 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

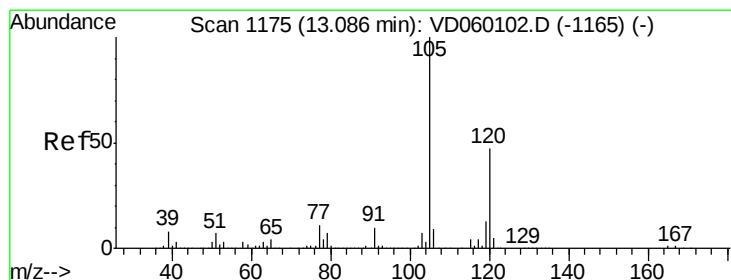
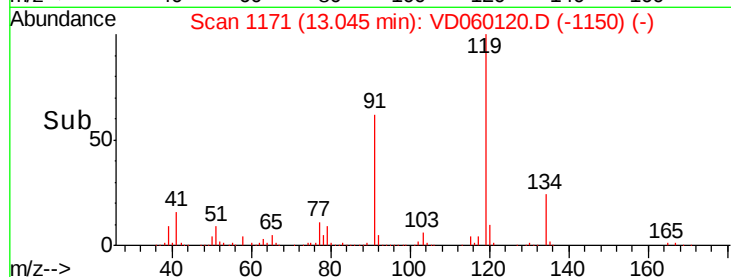
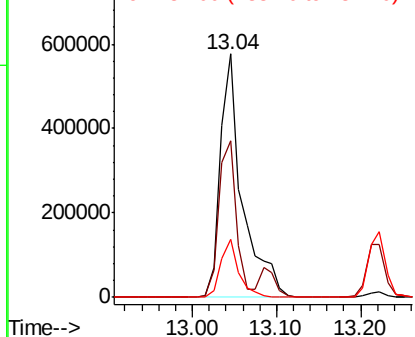
Tot Ion:119 Resp: 1049933
Ion Ratio Lower Upper
119 100
91 64.4 34.8 104.4
134 23.8 11.8 35.4

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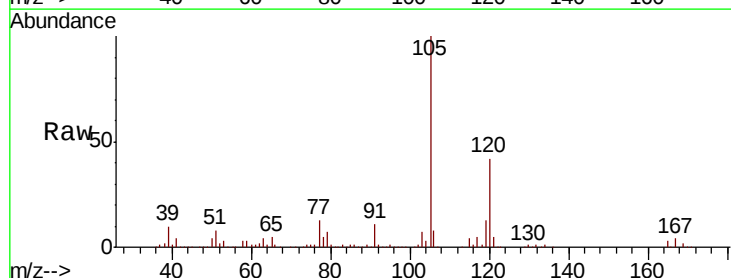


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

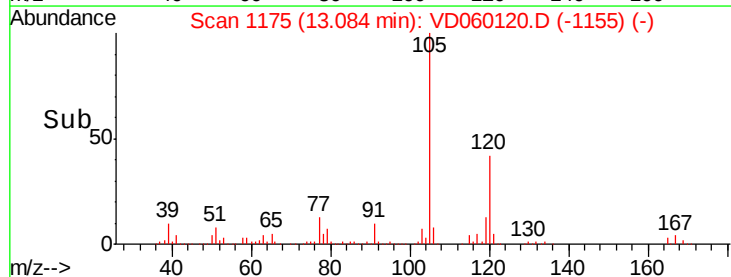
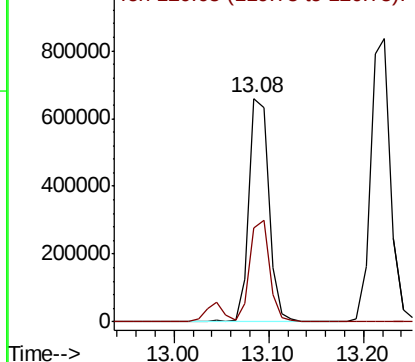


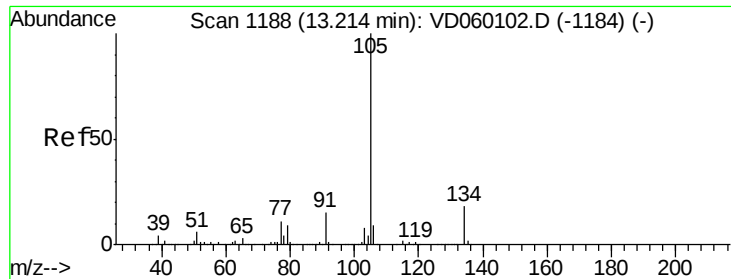
#84
1,2,4-Trimethylbenzene
Concen: 20.154 ug/l
RT: 13.08 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Tgt Ion:105 Resp: 963662
Ion Ratio Lower Upper
105 100
120 42.2 23.4 70.0



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





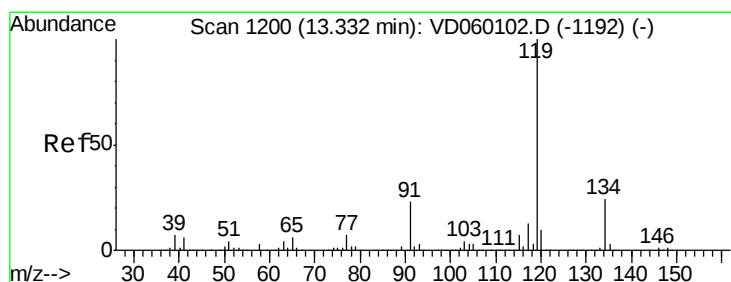
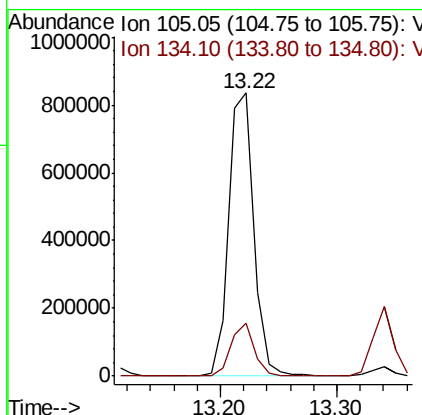
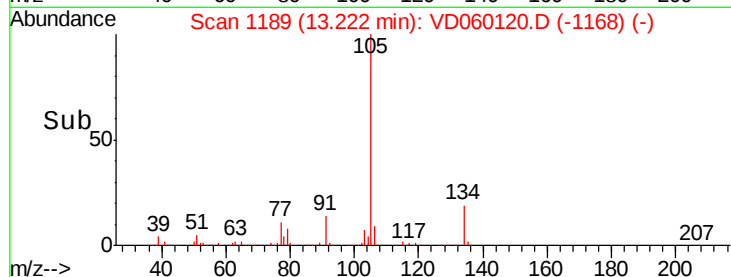
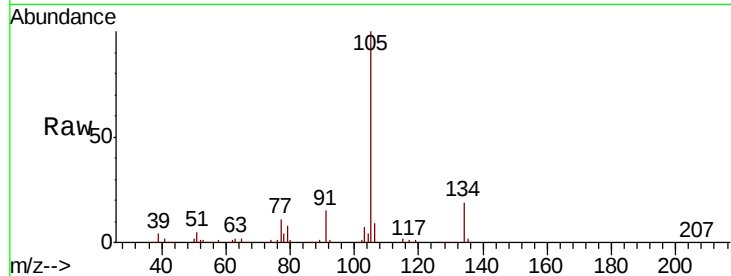
#85
 sec-Butylbenzene
 Concen: 20.087 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion:105 Resp: 1236457
 Ion Ratio Lower Upper
 105 100
 134 18.7 8.8 26.2

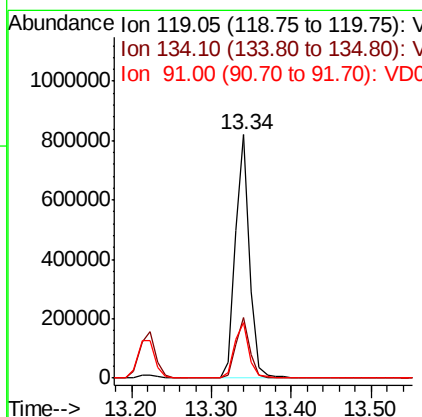
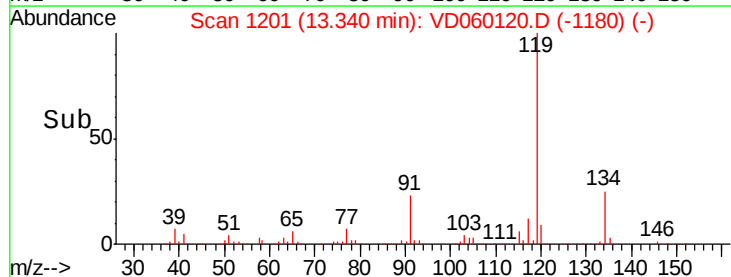
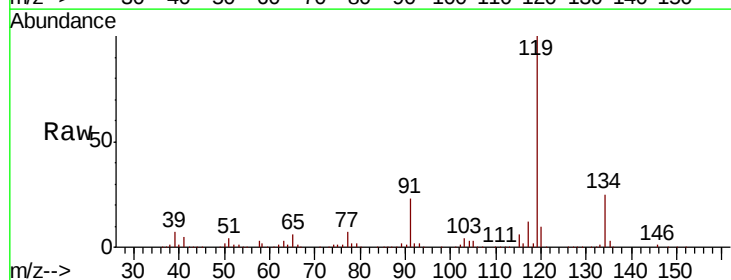
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#86
 p-Isopropyltoluene
 Concen: 20.258 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Tgt Ion:119 Resp: 1022786
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.3 36.8
 91 22.7 11.8 35.4





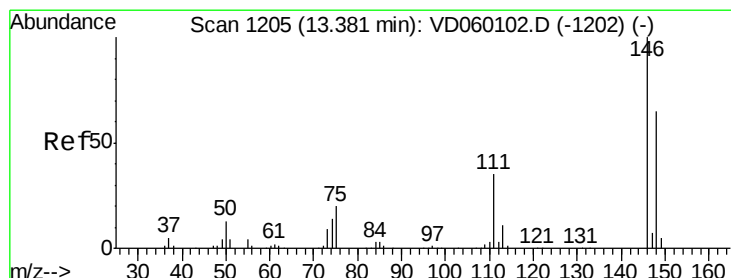
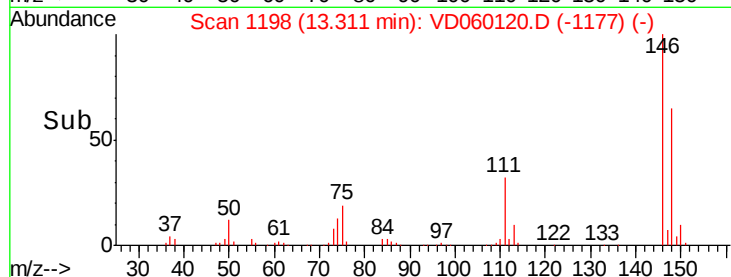
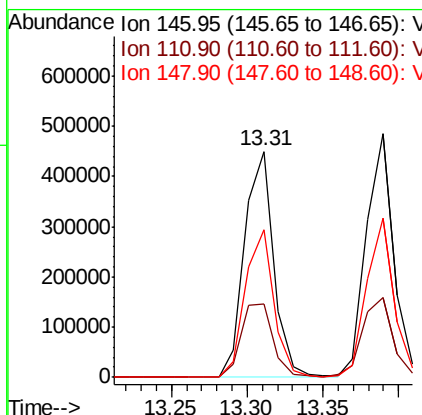
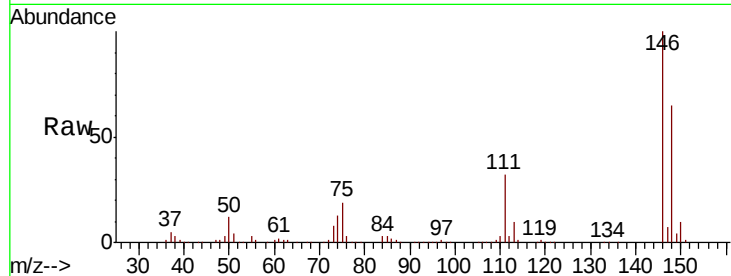
#87
 1,3-Dichlorobenzene
 Concen: 20.357 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	32.3	18.1	54.3
148	65.3	32.3	96.9

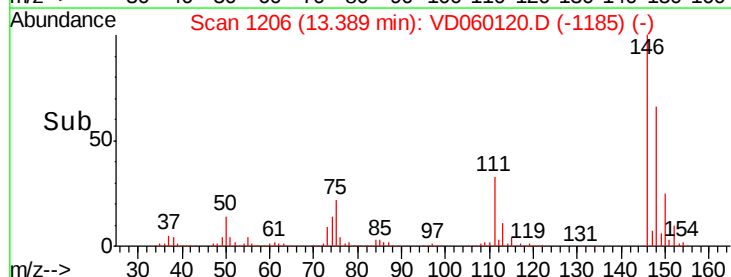
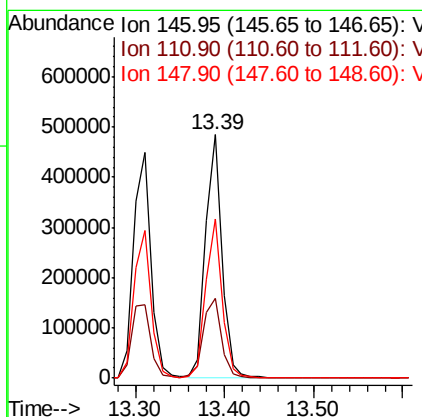
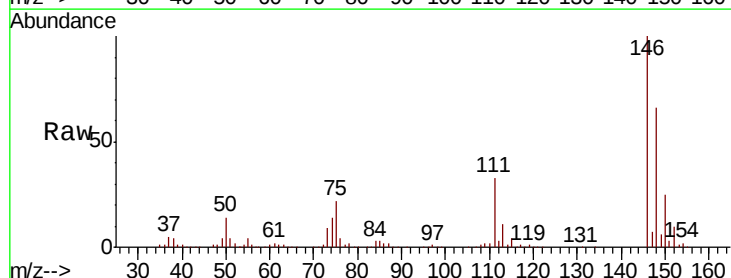
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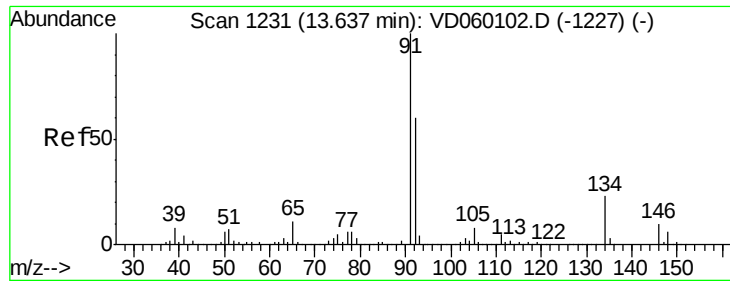
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#88
 1,4-Dichlorobenzene
 Concen: 20.660 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.0	17.8	53.3
148	65.6	32.4	97.2





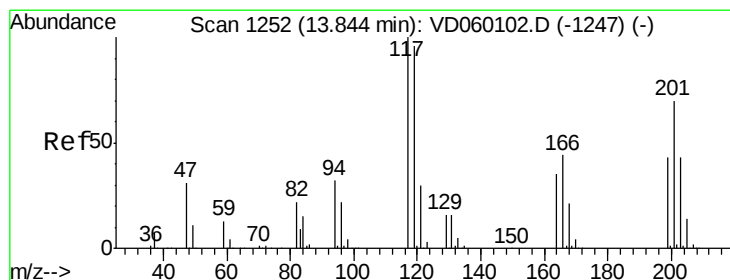
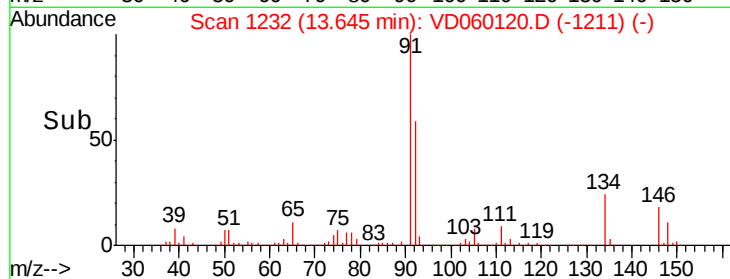
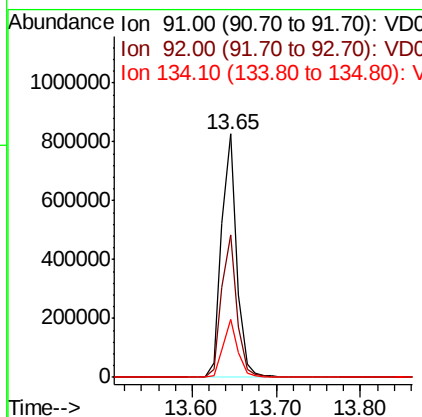
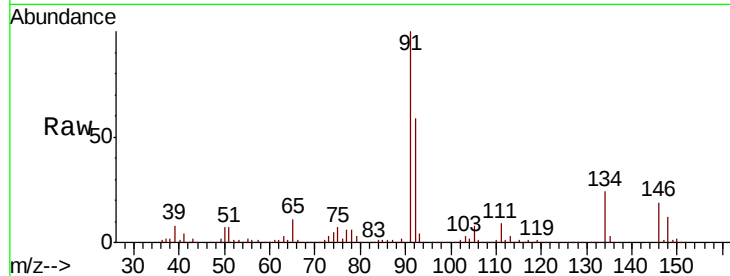
#89
n-Butylbenzene
Concen: 21.144 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion: 91 Resp: 1041631
Ion Ratio Lower Upper
91 100
92 58.8 30.1 90.3
134 23.8 11.6 34.7

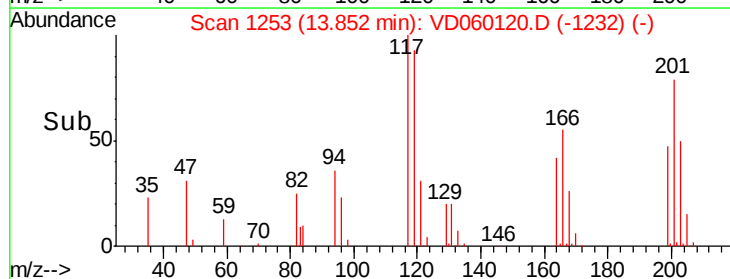
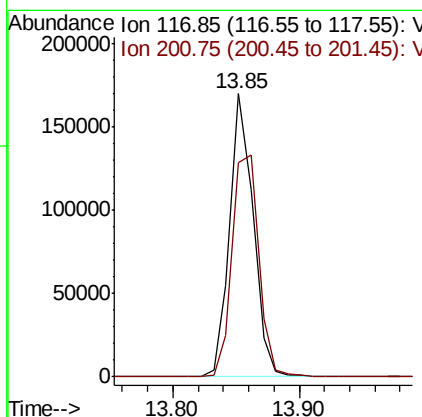
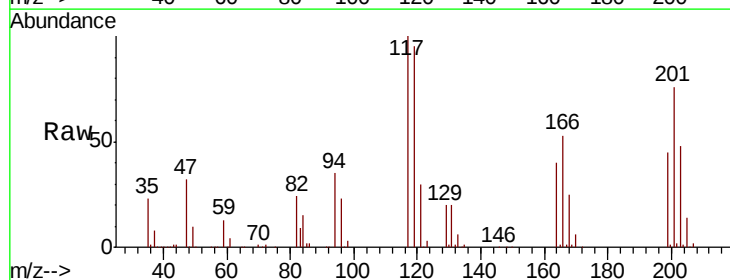
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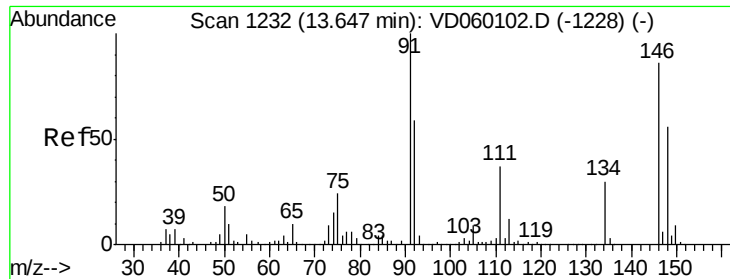
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#90
Hexachloroethane
Concen: 18.787 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Tgt Ion: 117 Resp: 219524
Ion Ratio Lower Upper
117 100
201 75.8 34.8 104.5





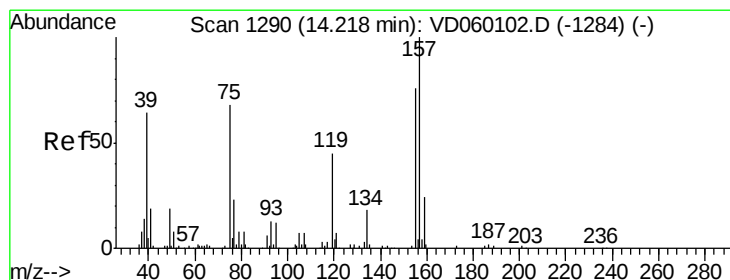
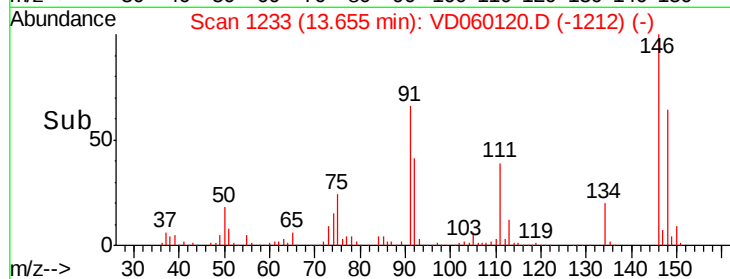
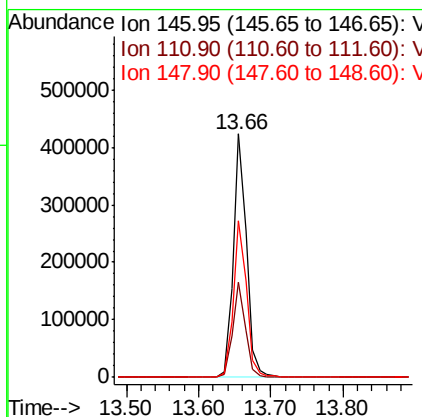
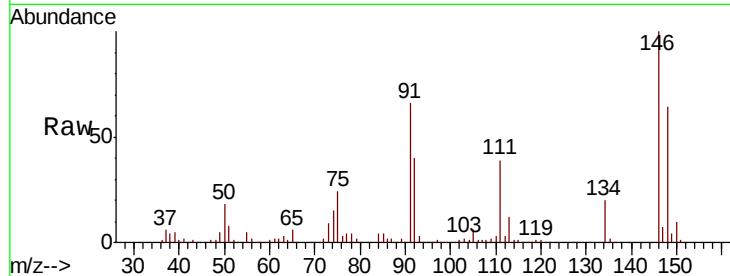
#91
 1,2-Dichlorobenzene
 Concen: 21.597 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	21.4	64.3
148	64.1	32.2	96.6

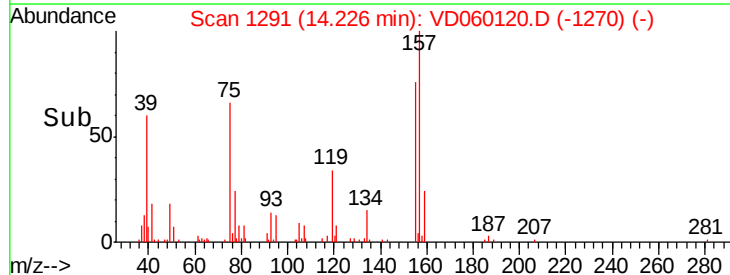
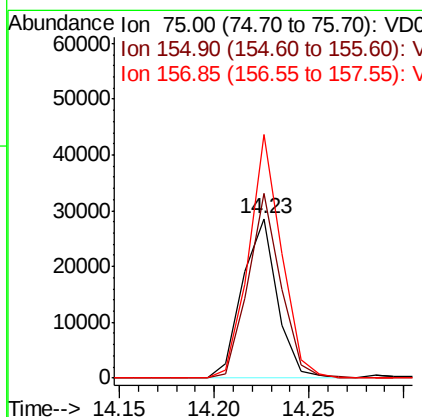
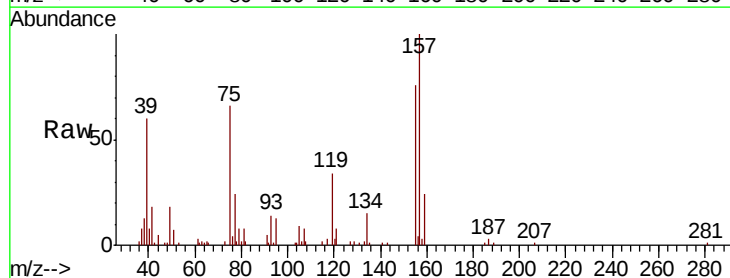
Manual Integrations
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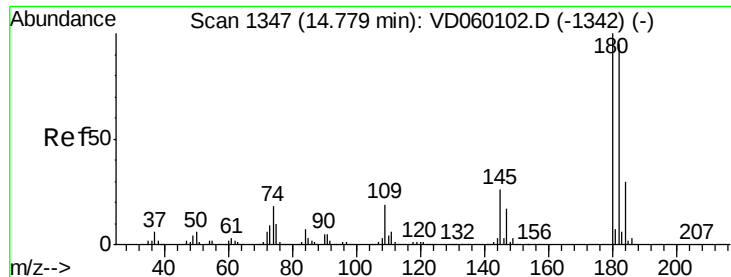
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.355 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	115.4	55.9	167.7
157	152.6	73.3	219.8





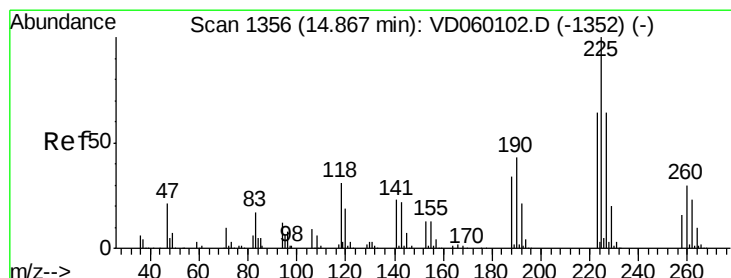
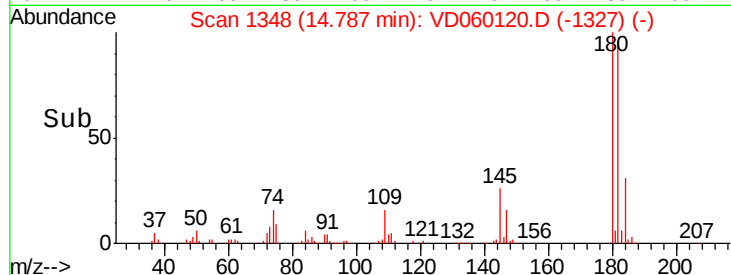
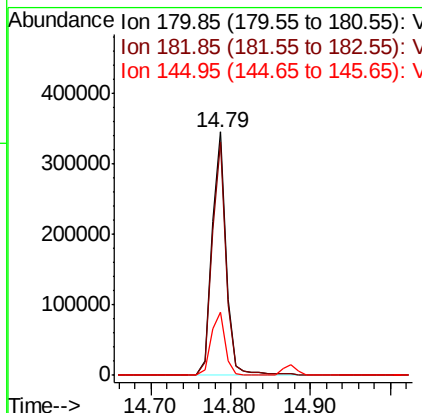
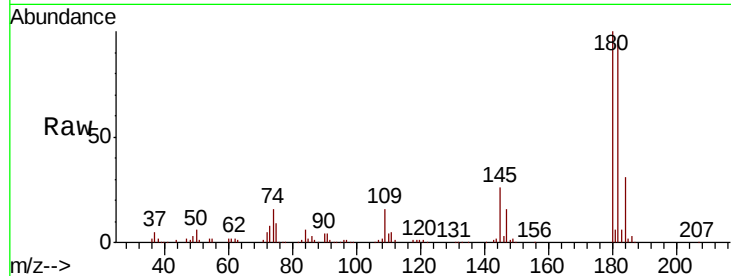
#93
 1,2,4-Trichlorobenzene
 Concen: 20.452 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	433179		
182	96.0	47.3	141.8	
145	25.8	13.0	38.9	

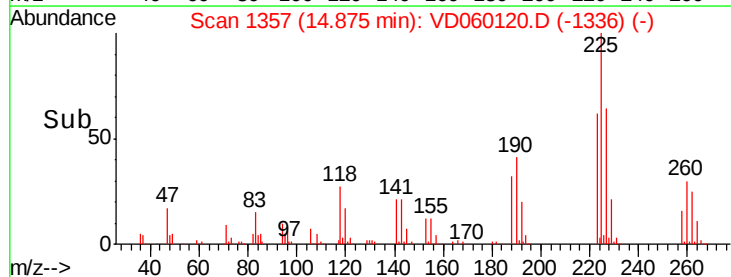
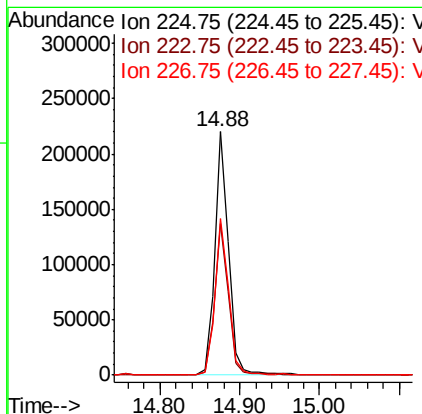
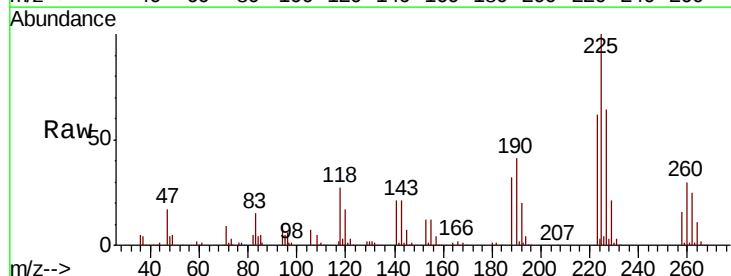
Manual Integrations
 APPROVED

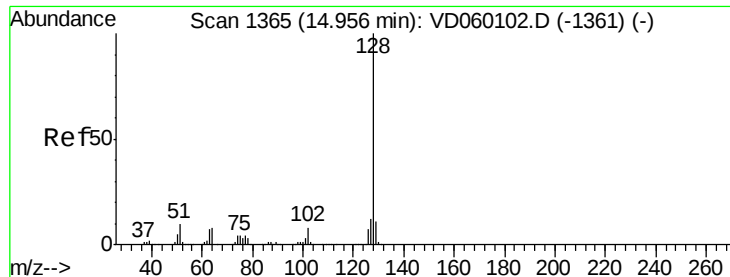
apatel
 10/4/2018 4:44:59 PM



#94
 Hexachlorobutadiene
 Concen: 19.213 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	270492		
223	62.4	31.8	95.4	
227	64.2	32.0	96.0	





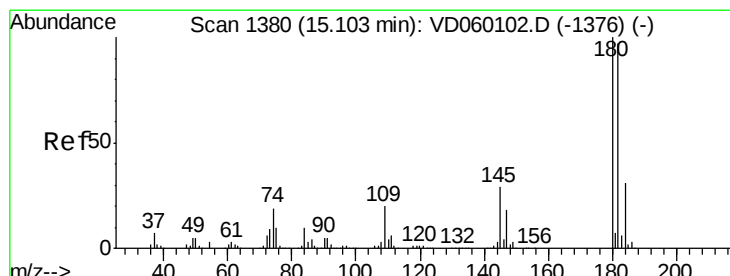
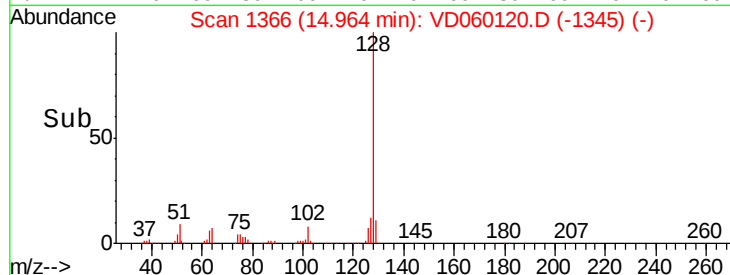
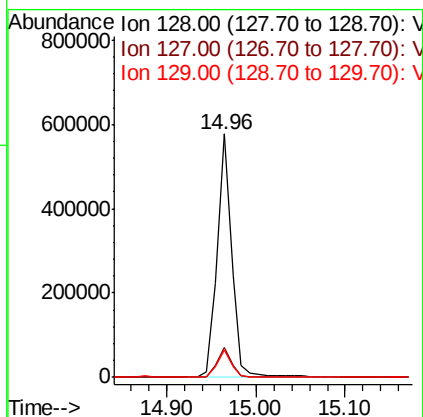
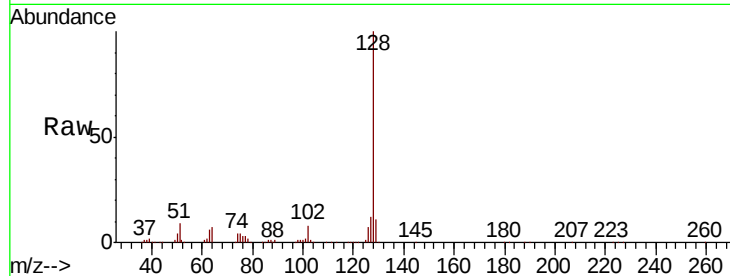
#95
Naphthalene
Concen: 21.072 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.1	9.9	14.9
129	11.2	8.8	13.2

Manual Integrations
APPROVED

apatel
10/4/2018 4:44:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.605 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	96.2	48.4	145.0
145	25.8	14.5	43.6

