

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

Quant Time: Oct 04 04:29:36 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	594041	56.44	ug/l	0.00
Spiked Amount			Recovery	=	112.88%	
35) Dibromofluoromethane	6.30	113	770661	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
50) Toluene-d8	9.44	98	2152854	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.43	95	837192	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	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
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

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	5.94	41	338981	47.985	ug/l #	89
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

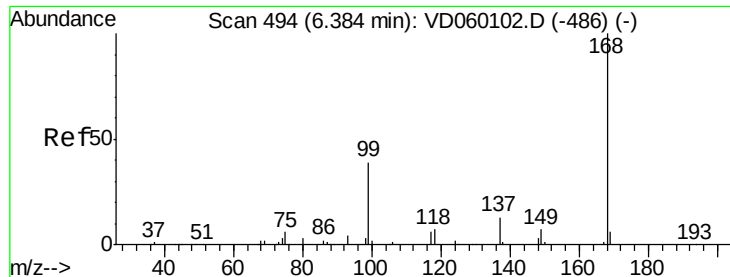
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100318\
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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 :

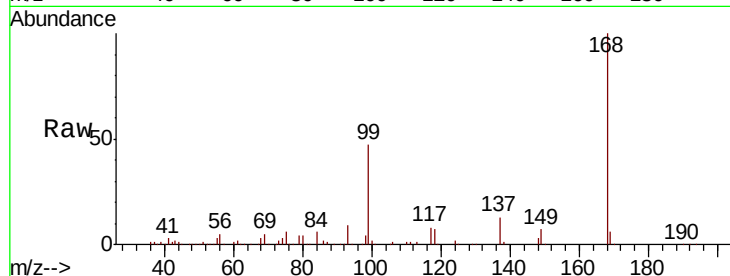
VD1003SBS01

Tot Ion:168 Resp: 1388492

Ion Ratio Lower Upper

168 100

99 46.8 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

500000

400000

300000

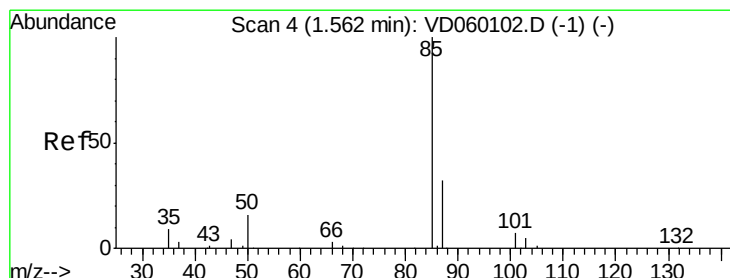
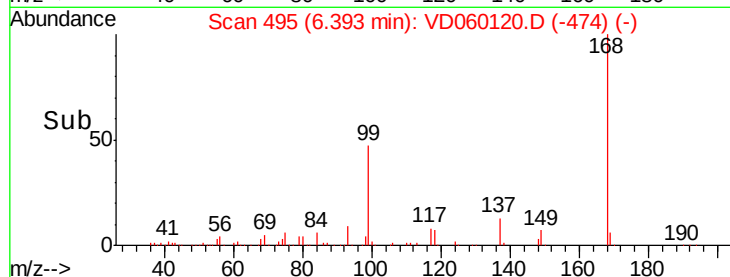
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 18.685 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060120.D

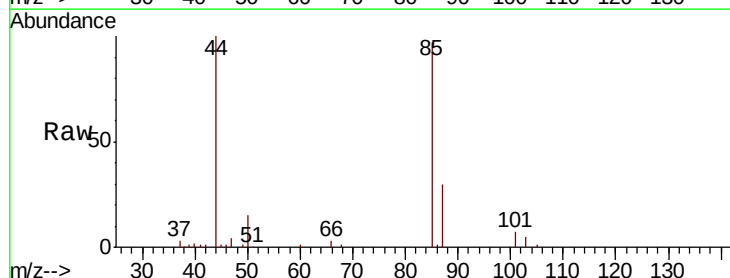
Acq: 3 Oct 2018 16:12

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

1.57

100000

80000

60000

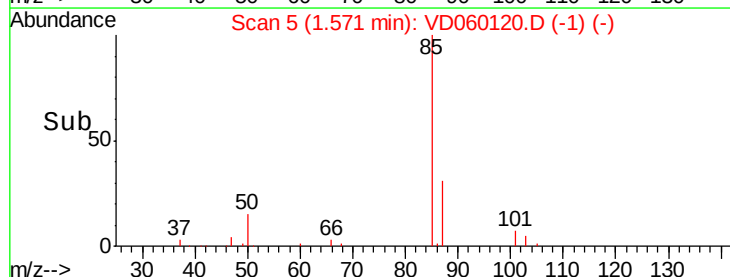
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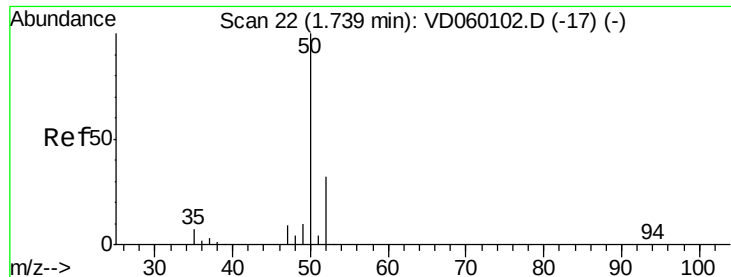
20000

0

1.50 1.60 1.70

Time-->





#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 :

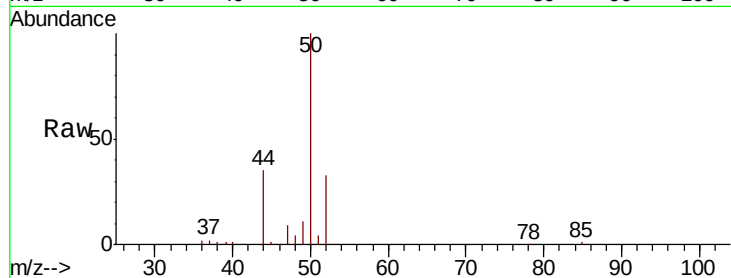
VD1003SBS01

Tot Ion: 50 Resp: 250381

Ion Ratio Lower Upper

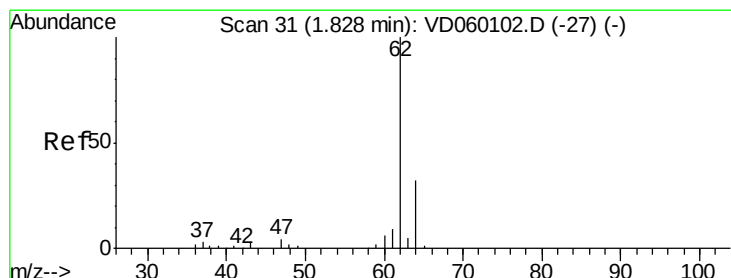
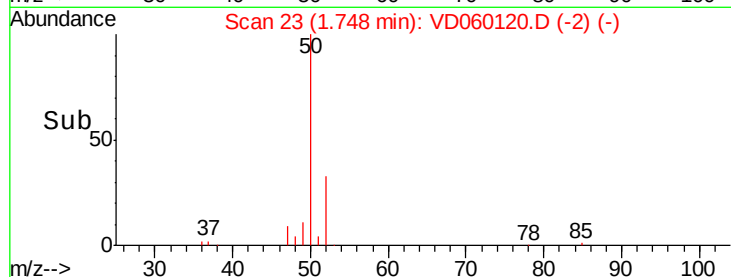
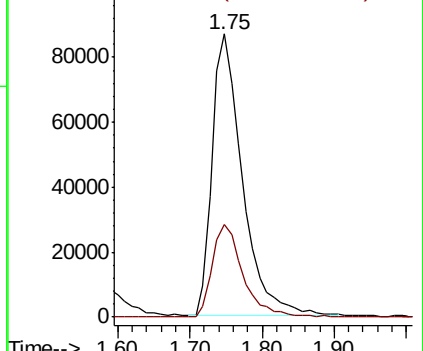
50 100

52 32.8 25.3 37.9



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

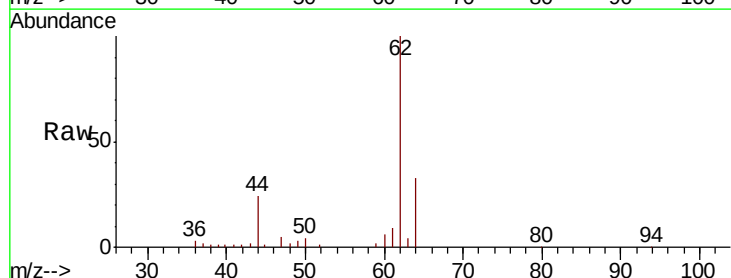
Acq: 3 Oct 2018 16:12

Tgt Ion: 62 Resp: 185415

Ion Ratio Lower Upper

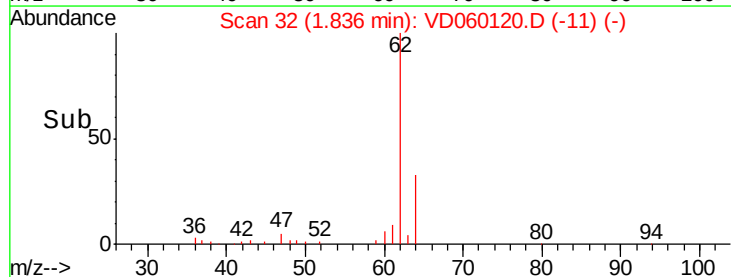
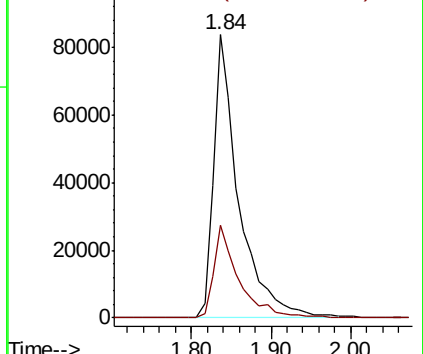
62 100

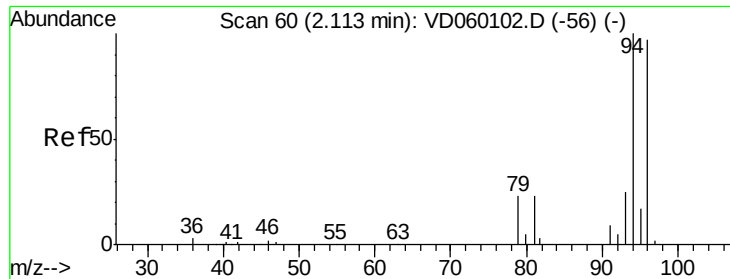
64 32.9 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

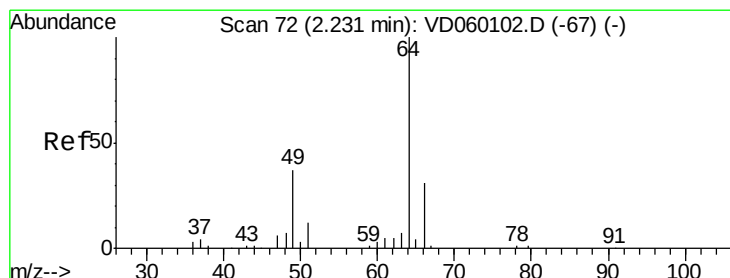
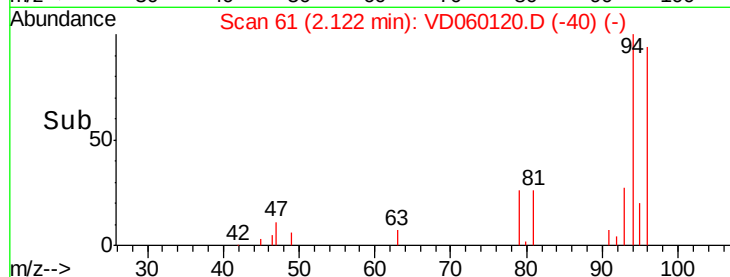
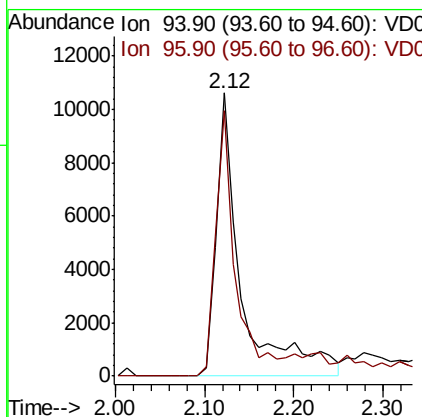
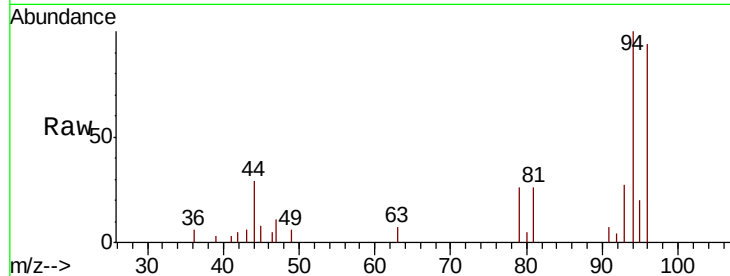




#5
Bromomethane
Concen: 17.234 ug/l
RT: 2.12 min Scan# 61
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

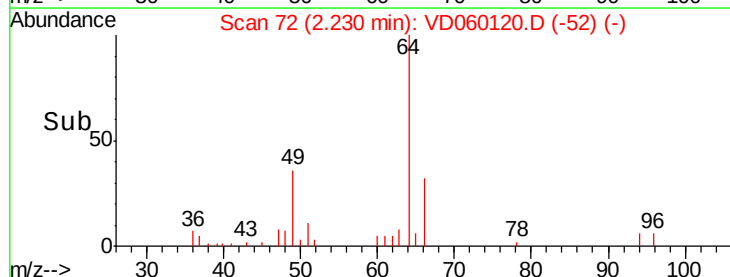
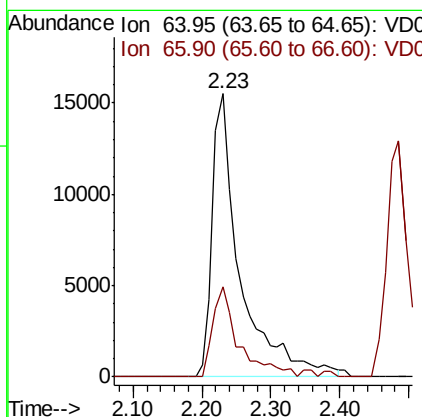
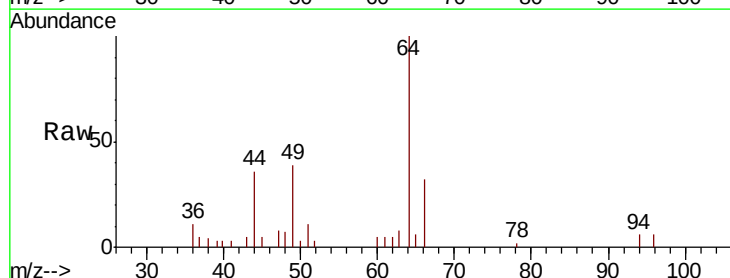
Instrument :
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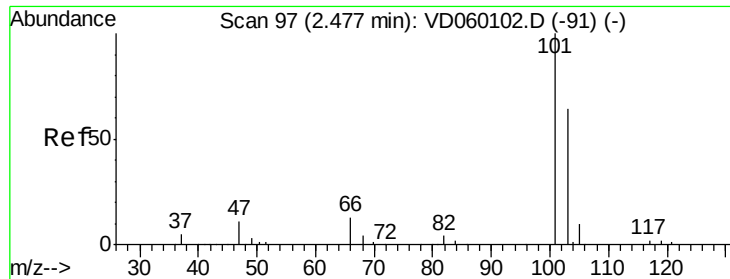
Tot Ion: 94 Resp: 20857
Ion Ratio Lower Upper
94 100
96 94.0 77.4 116.2



#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 :

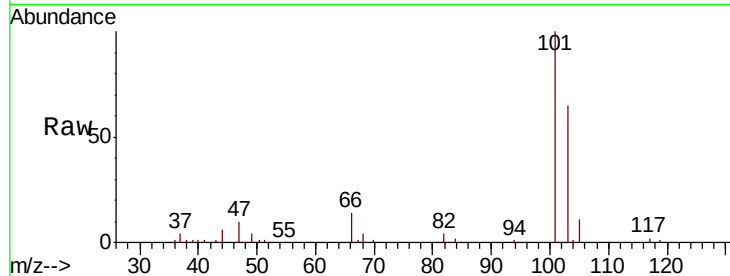
VD1003SBS01

Tot Ion:101 Resp: 211710

Ion Ratio Lower Upper

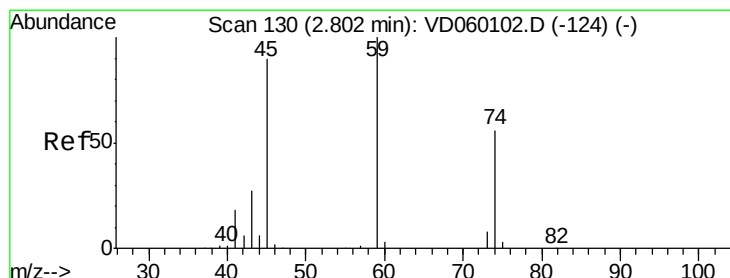
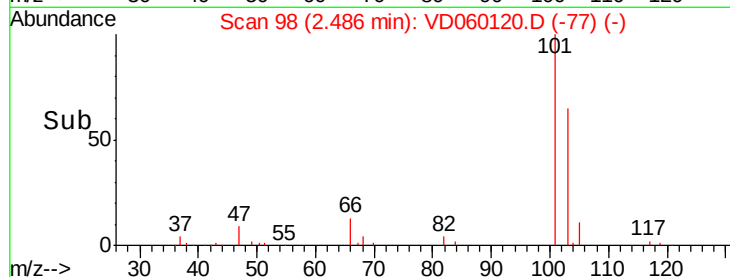
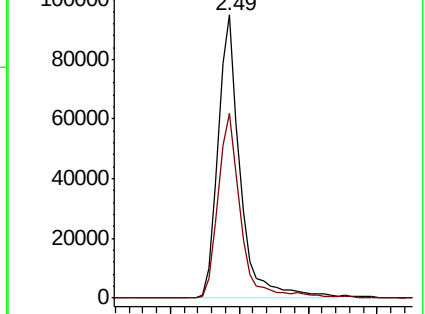
101 100

103 65.3 51.5 77.3



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

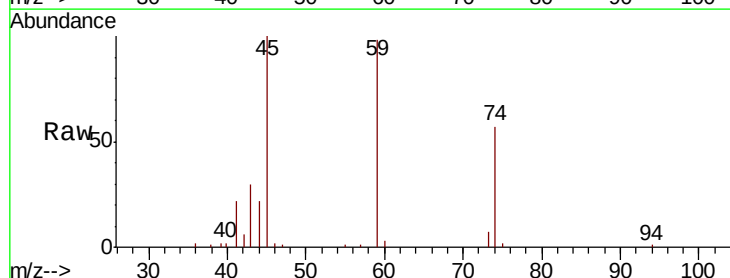
Acq: 3 Oct 2018 16:12

Tgt Ion: 74 Resp: 50918

Ion Ratio Lower Upper

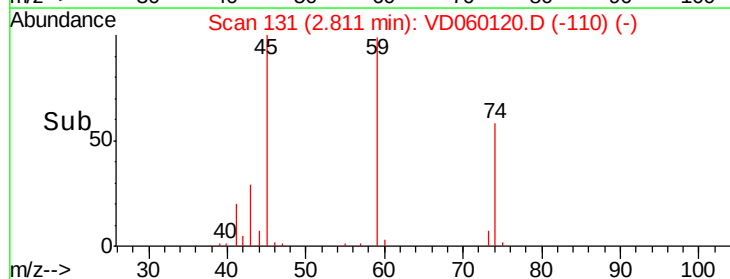
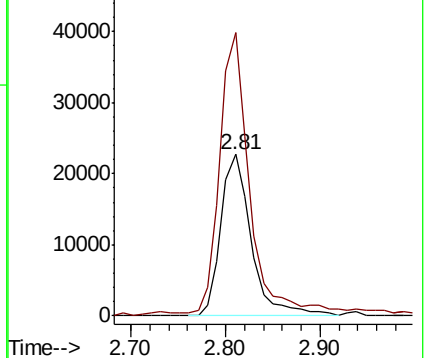
74 100

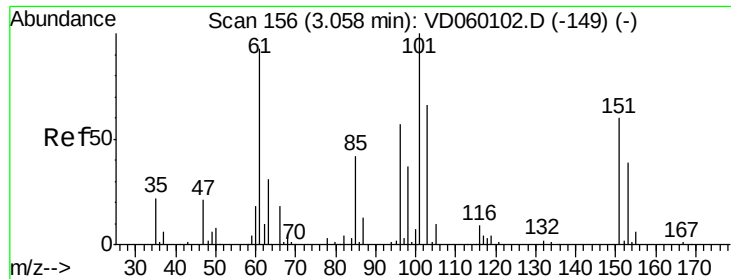
45 175.2 80.3 241.0



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

Acq: 3 Oct 2018 16:12

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

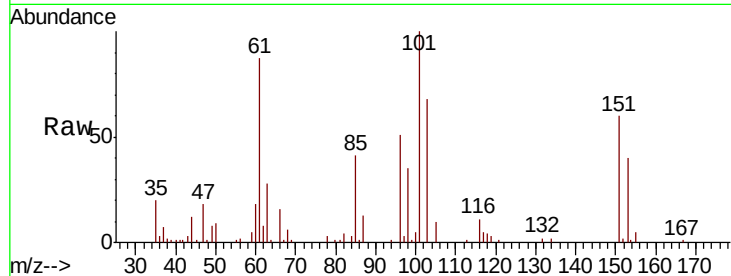
Tot Ion:101 Resp: 146272

Ion Ratio Lower Upper

101 100

85 41.1 33.4 50.0

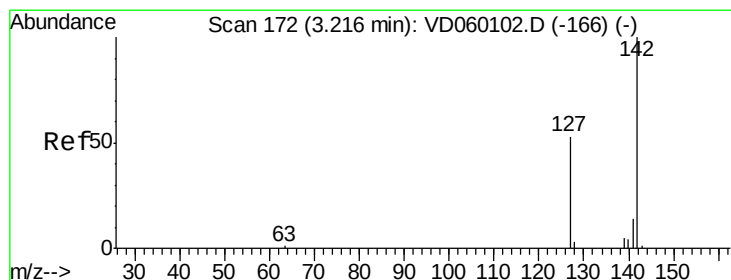
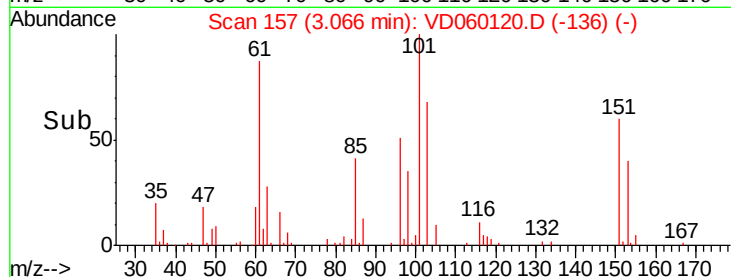
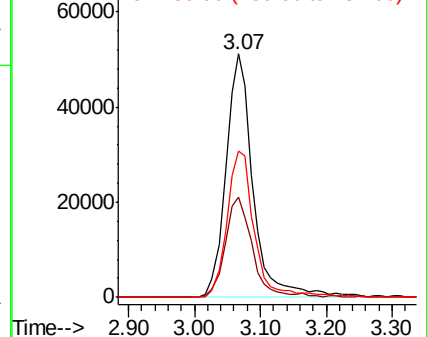
151 60.0 48.0 72.0



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

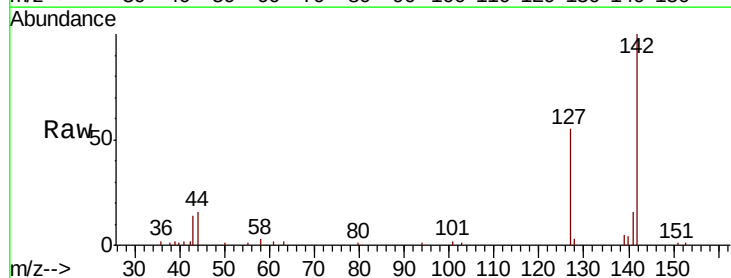
Tgt Ion:142 Resp: 121174

Ion Ratio Lower Upper

142 100

127 54.9 42.0 63.0

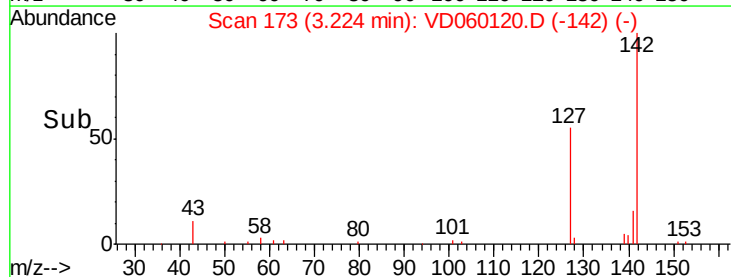
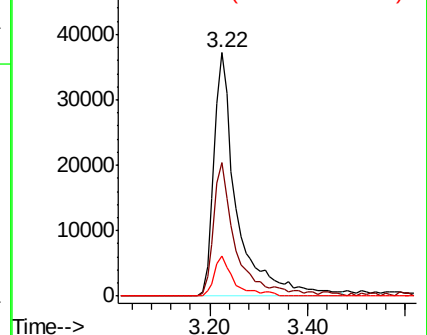
141 16.3 11.4 17.0

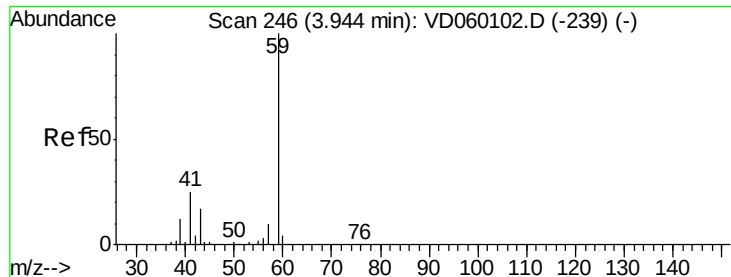


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

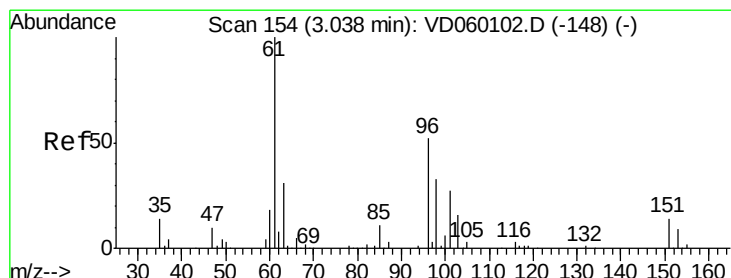
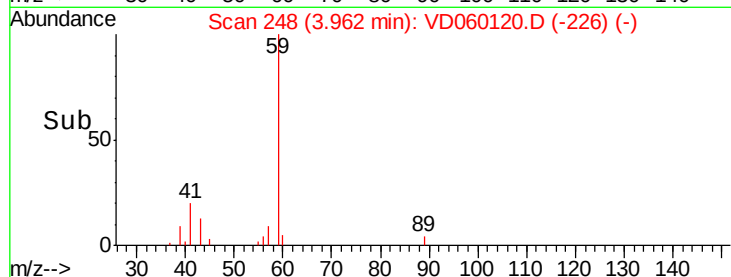
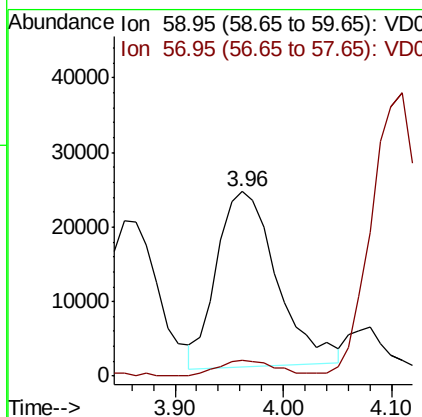
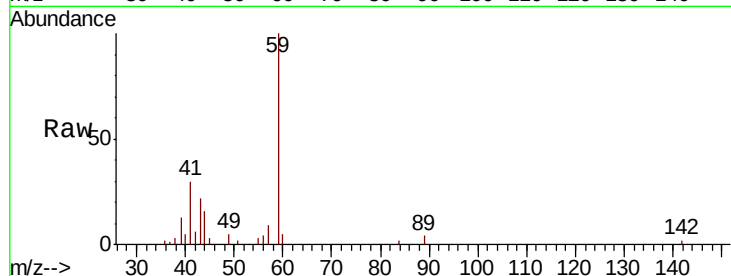




#11
Tert butyl alcohol
Concen: 120.780 ug/l
RT: 3.96 min Scan# 248
Delta R.T. 0.02 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

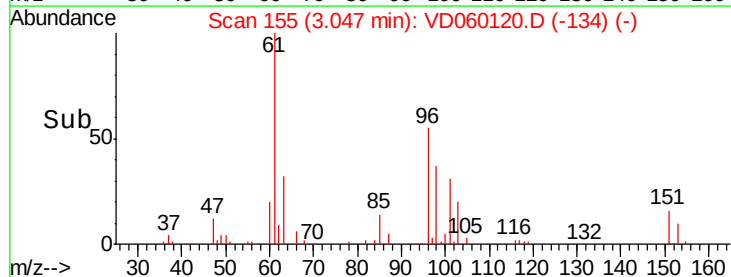
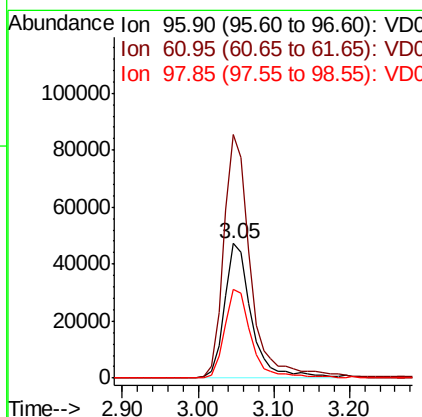
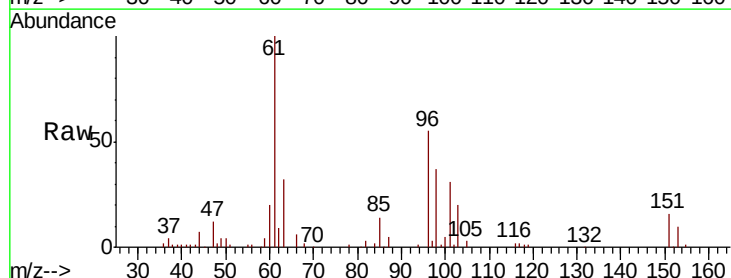
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

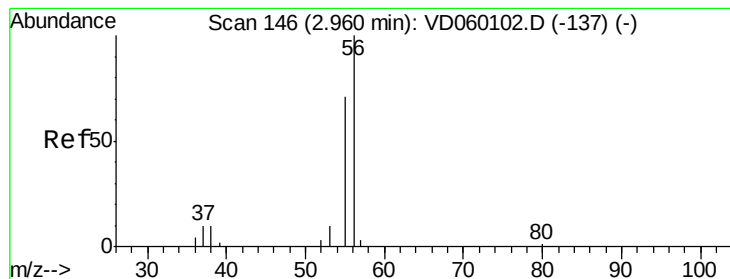
Tot Ion: 59 Resp: 91169
Ion Ratio Lower Upper
59 100
57 8.9 7.8 11.6



#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: 96 Resp: 116271
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 :

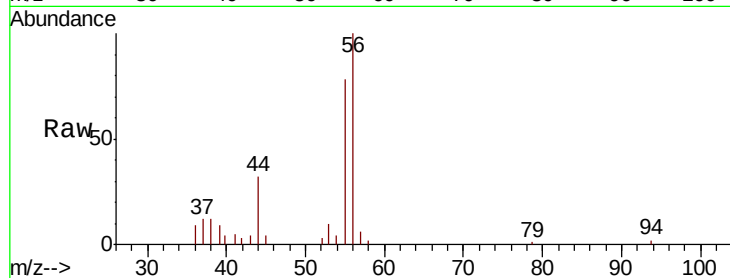
VD1003SBS01

Tot Ion: 56 Resp: 52332

Ion Ratio Lower Upper

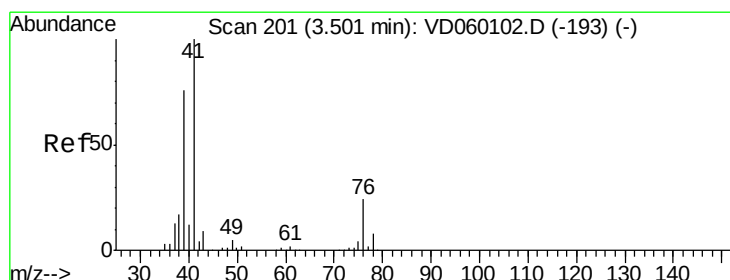
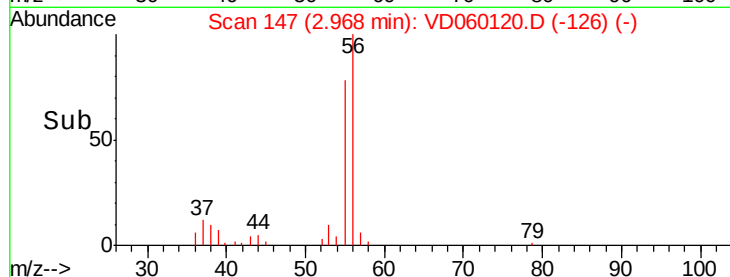
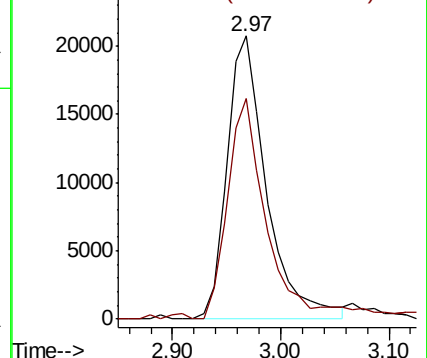
56 100

55 78.0 57.4 86.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#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

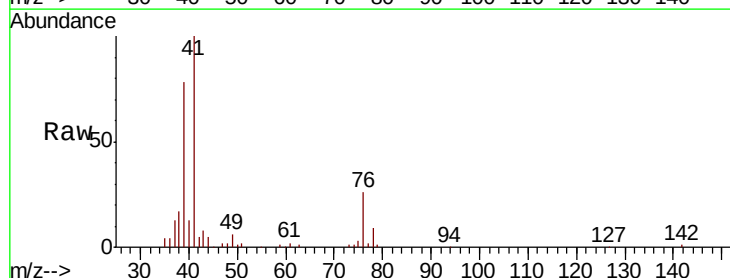
Tgt Ion: 41 Resp: 243060

Ion Ratio Lower Upper

41 100

39 77.5 60.6 90.8

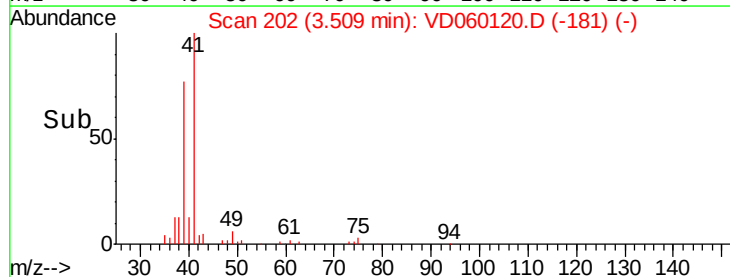
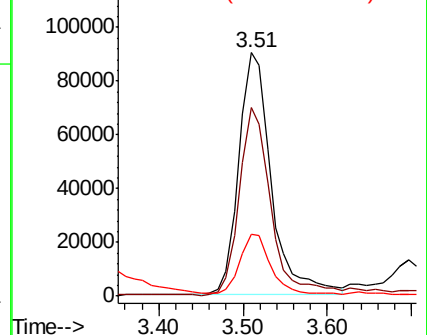
76 25.6 21.3 31.9

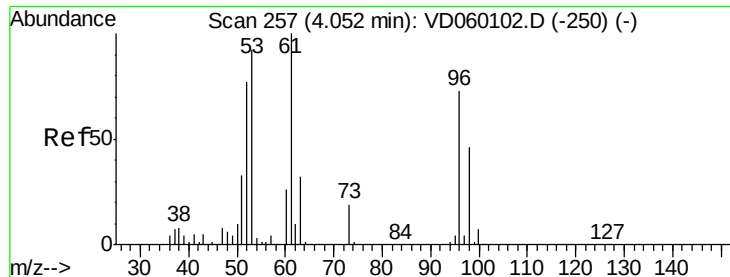


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 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

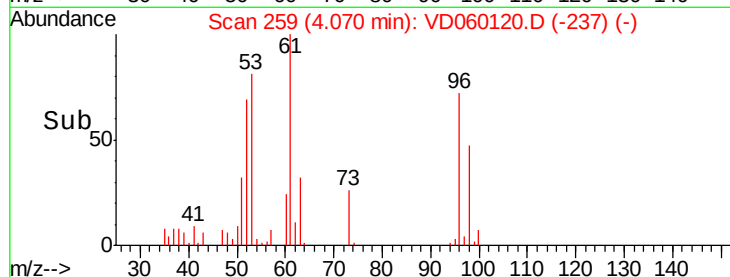
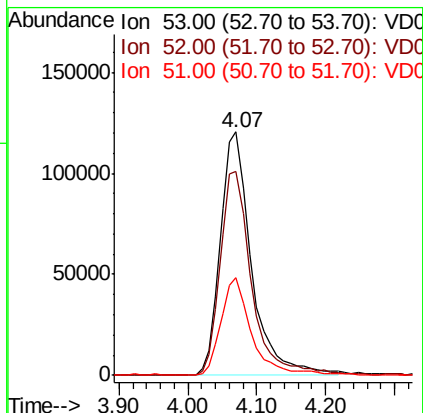
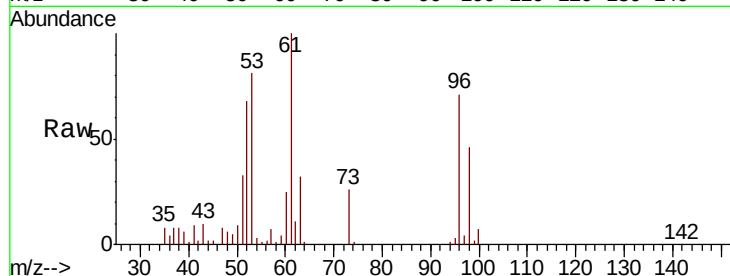
Tot Ion: 53 Resp: 378229

Ion Ratio Lower Upper

53 100

52 83.9 67.5 101.3

51 40.3 29.3 43.9



#16

Acetone

Concen: 135.792 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060120.D

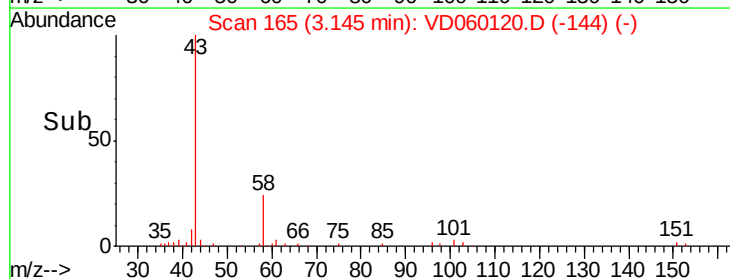
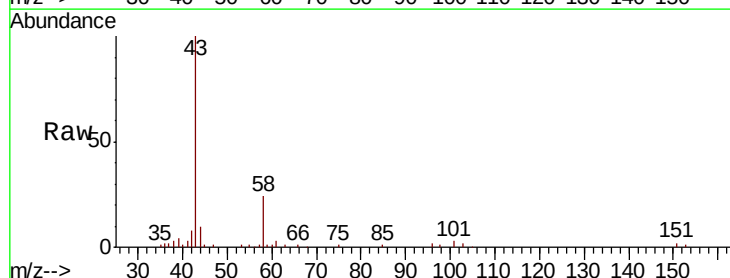
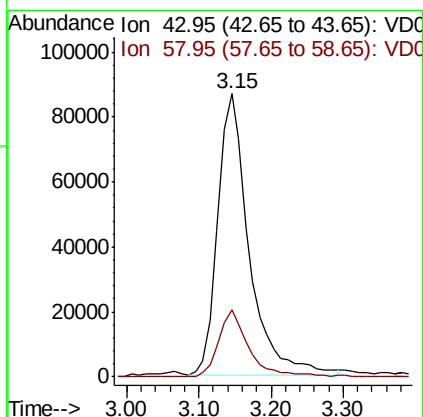
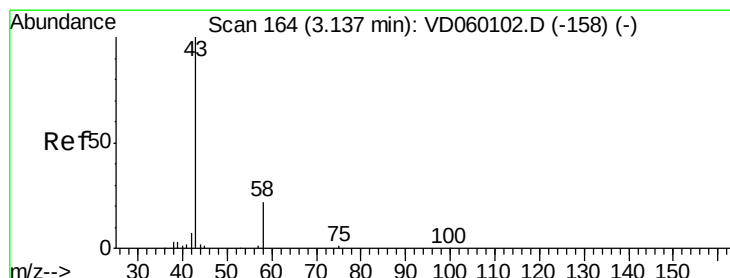
Acq: 3 Oct 2018 16:12

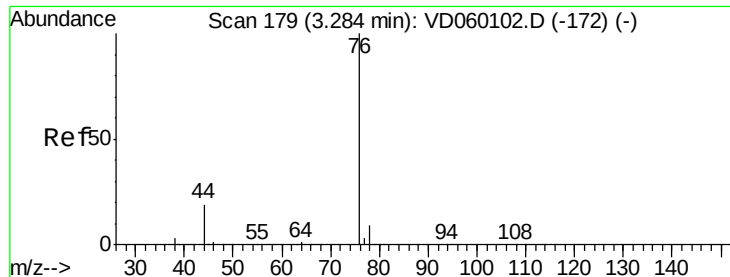
Tgt Ion: 43 Resp: 259335

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 :

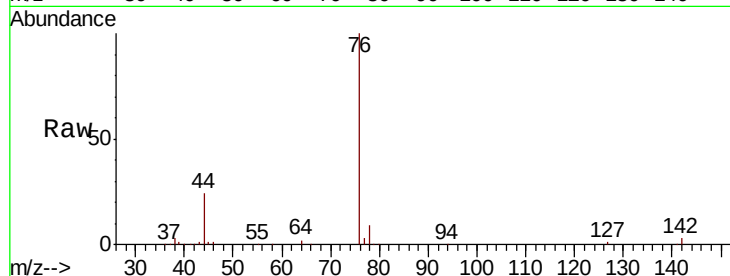
VD1003SBS01

Tot Ion: 76 Resp: 378608

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.29

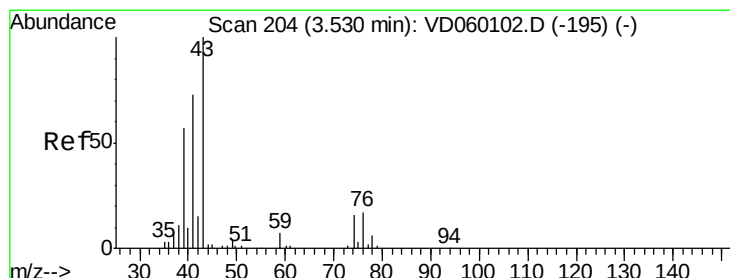
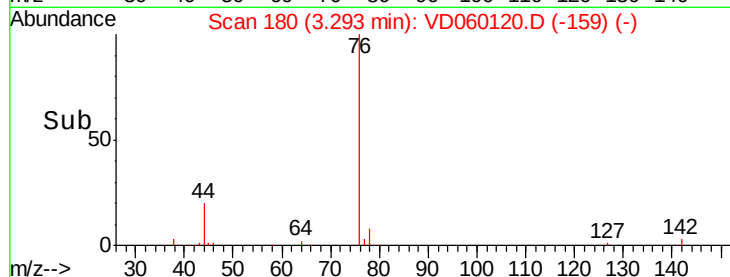
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 21.619 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.01 min

Lab File: VD060120.D

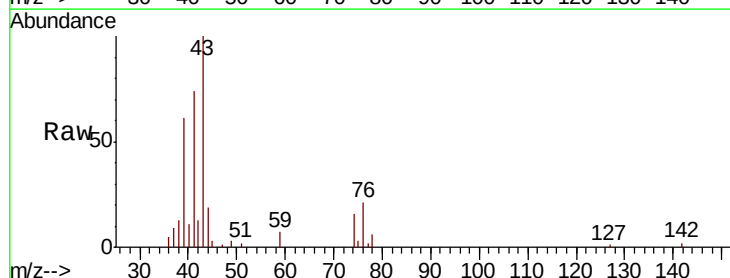
Acq: 3 Oct 2018 16:12

Tgt Ion: 43 Resp: 88741

Ion Ratio Lower Upper

43 100

74 15.6 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

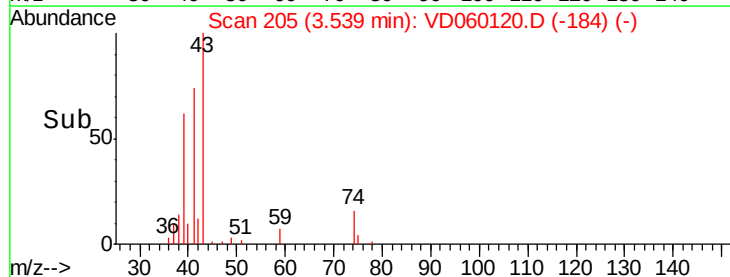
30000

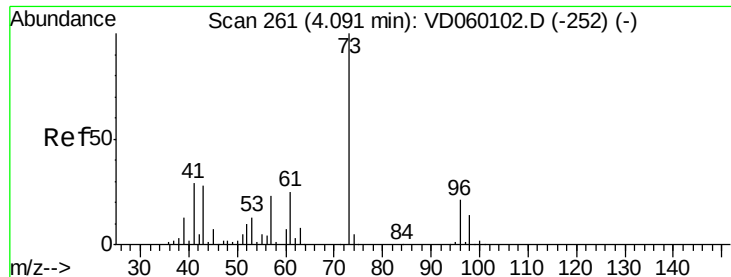
20000

10000

0

Time-->

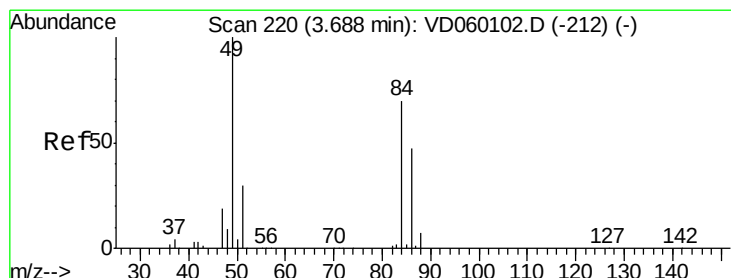
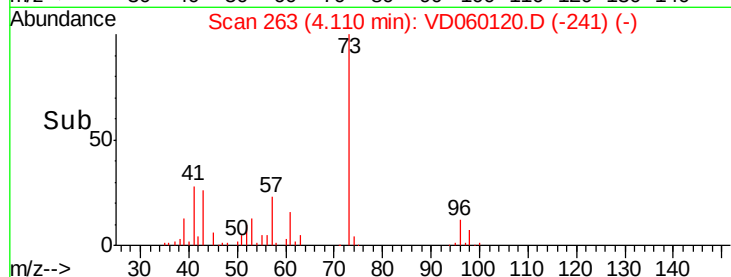
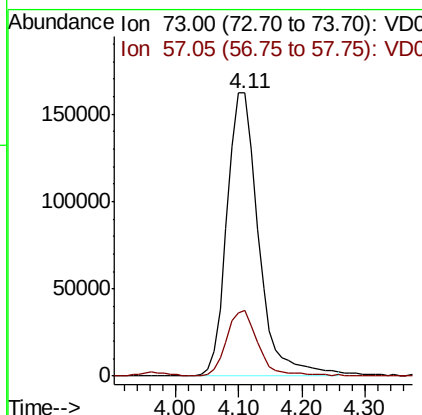
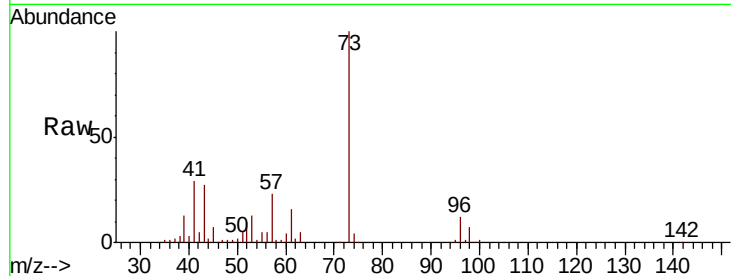




#19
Methyl tert-butyl Ether
Concen: 22.728 ug/l
RT: 4.11 min Scan# 263
Delta R.T. 0.02 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

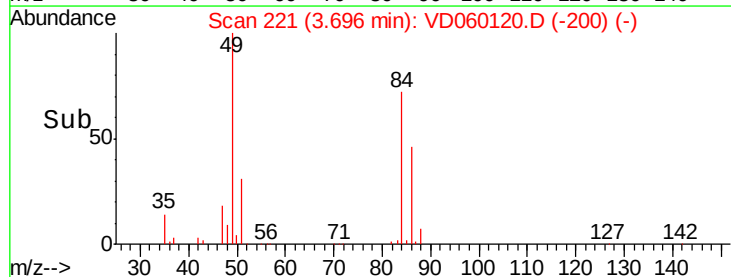
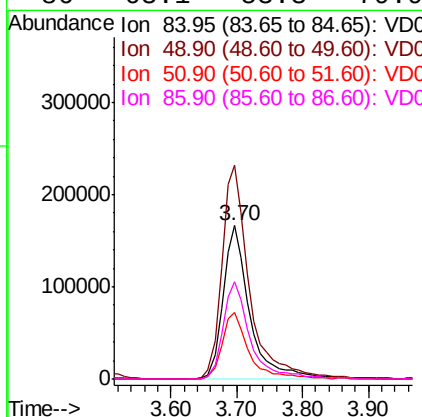
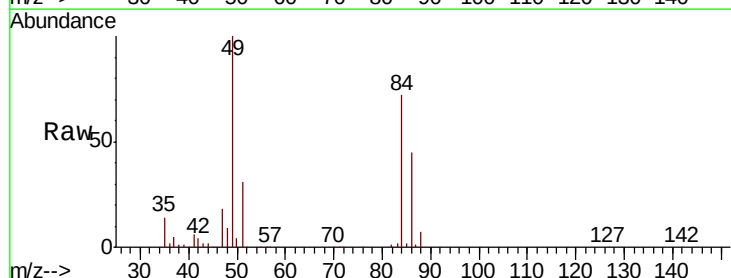
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

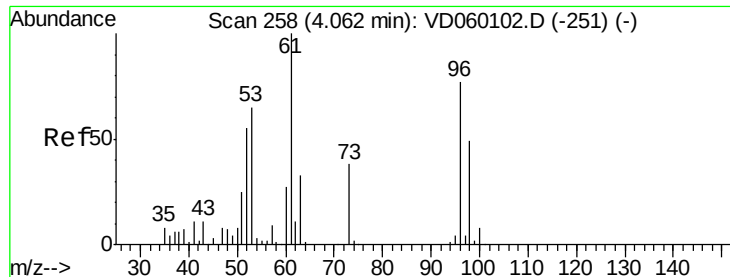
Tot Ion: 73 Resp: 565998
Ion Ratio Lower Upper
73 100
57 23.4 18.7 28.1



#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: 84 Resp: 471111
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

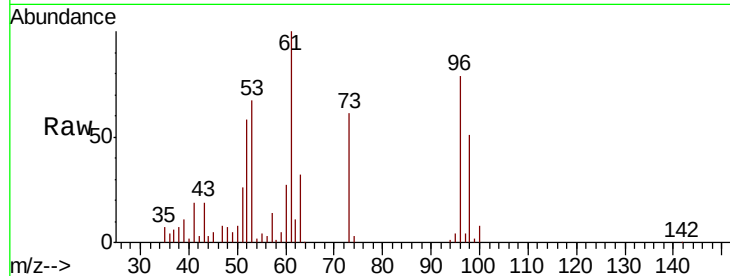
Tot Ion: 96 Resp: 302181

Ion Ratio Lower Upper

96 100

61 126.5 103.3 154.9

98 64.0 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

200000

150000

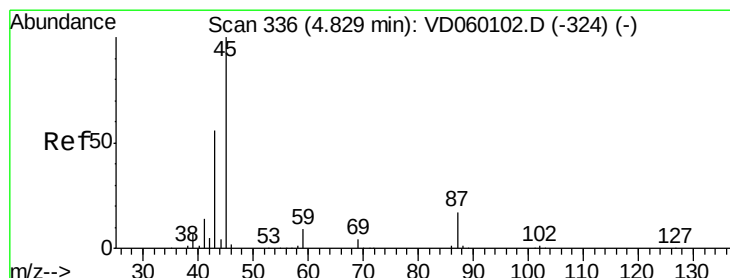
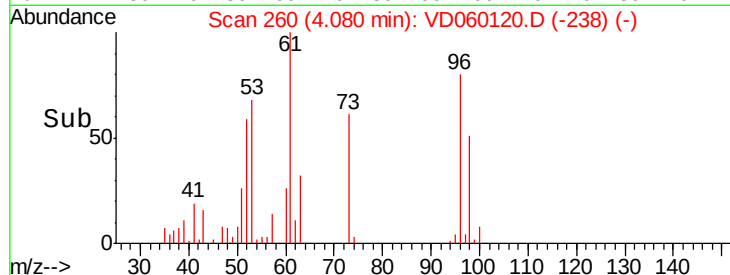
100000

50000

0

4.08

Time-->



#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

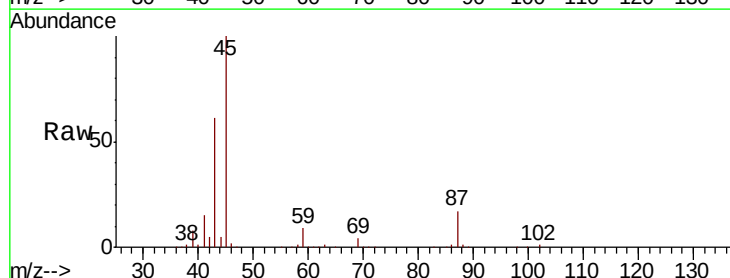
Ion Ratio Lower Upper

45 100

43 61.2 44.8 67.2

87 17.3 13.9 20.9

59 8.6 7.1 10.7



Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

1500000

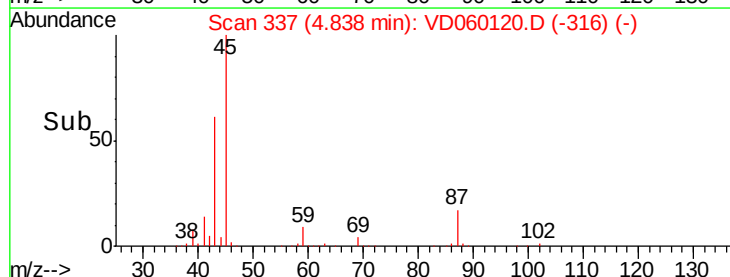
1000000

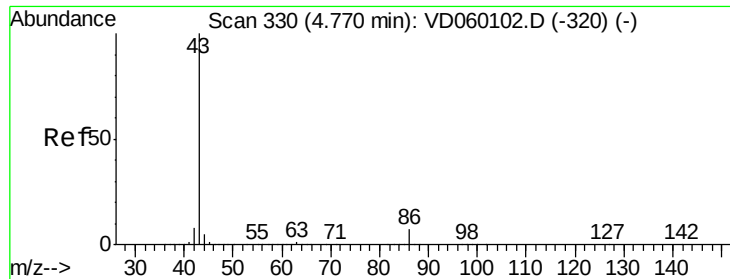
500000

0

4.84

Time-->





#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 :

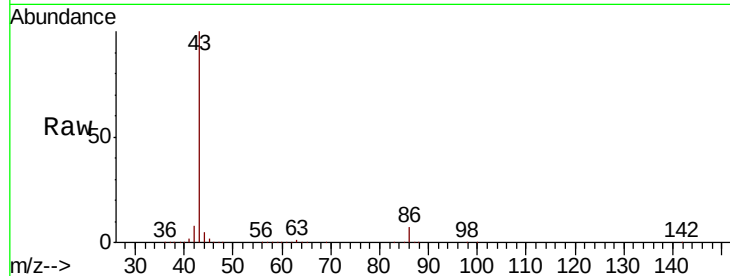
VD1003SBS01

Tot Ion: 43 Resp: 3611535

Ion Ratio Lower Upper

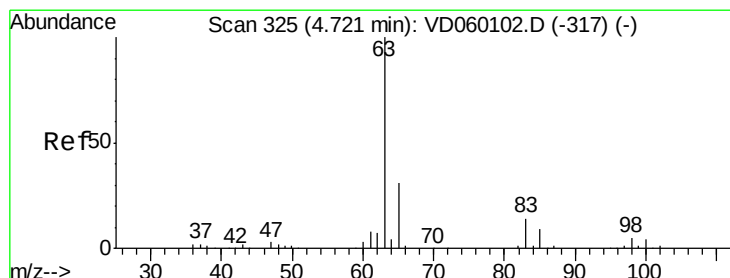
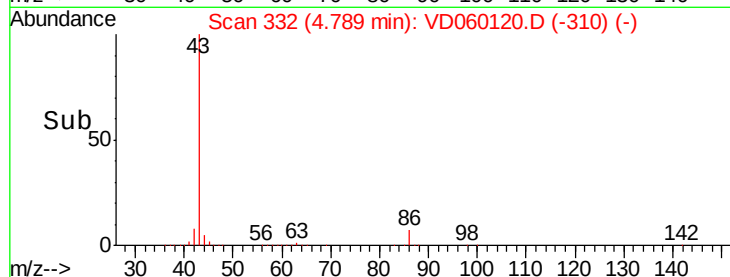
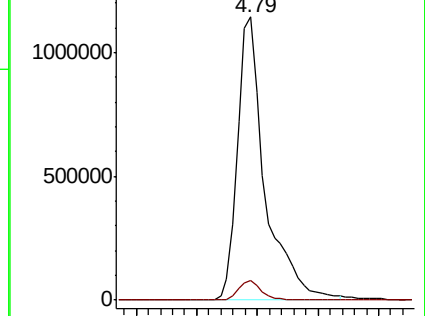
43 100

86 7.2 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#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

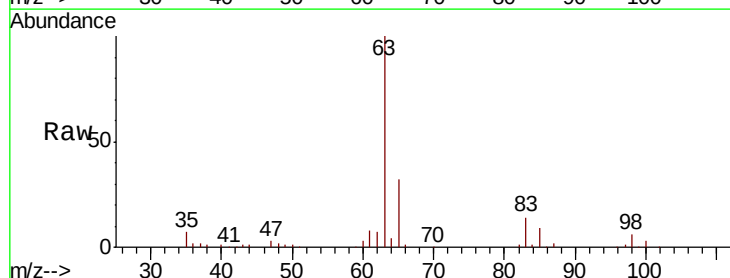
Tgt Ion: 63 Resp: 496775

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.3

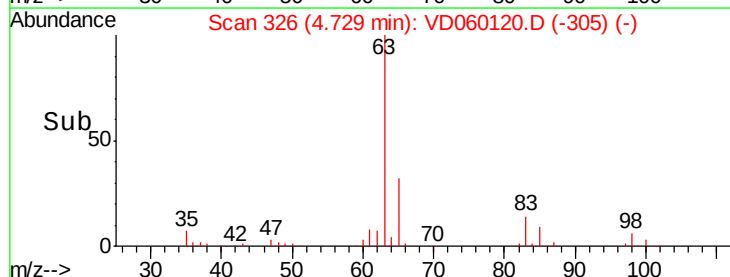
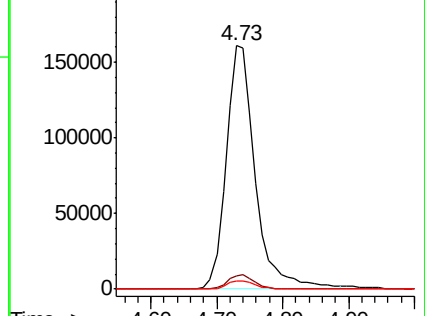
100 3.3 1.8 5.3

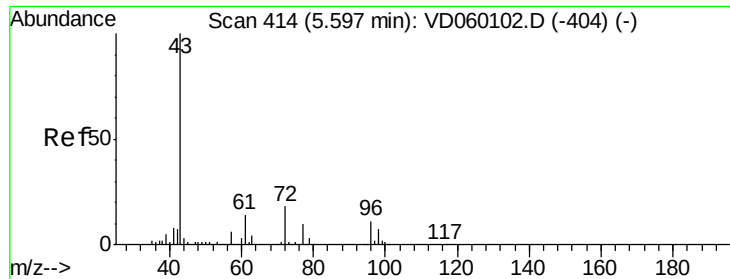


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 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 :

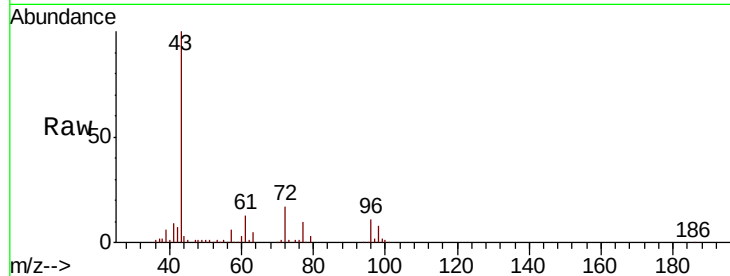
VD1003SBS01

Tot Ion: 43 Resp: 664815

Ion Ratio Lower Upper

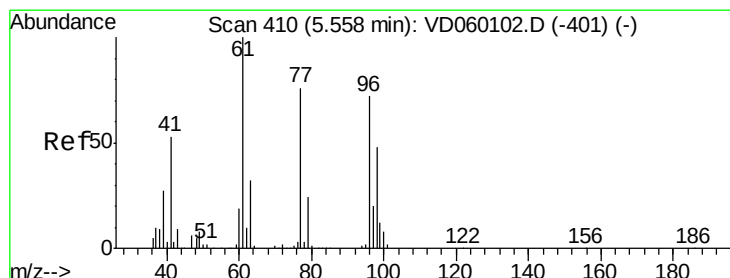
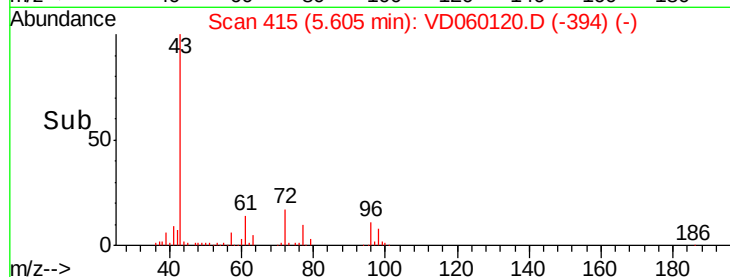
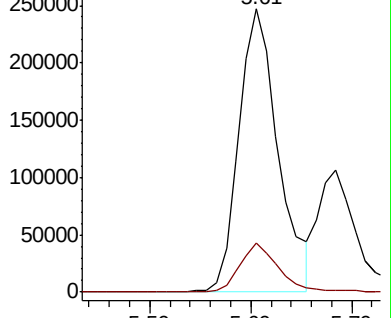
43 100

72 17.4 14.5 21.7



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

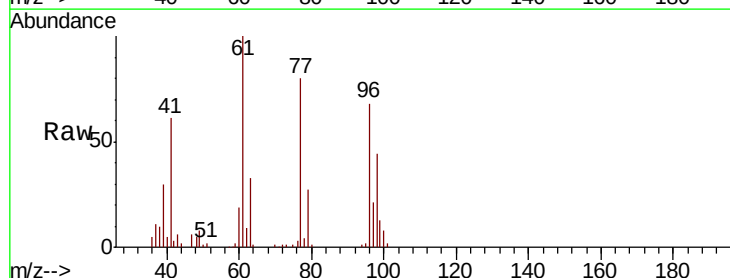
Acq: 3 Oct 2018 16:12

Tgt Ion: 77 Resp: 393937

Ion Ratio Lower Upper

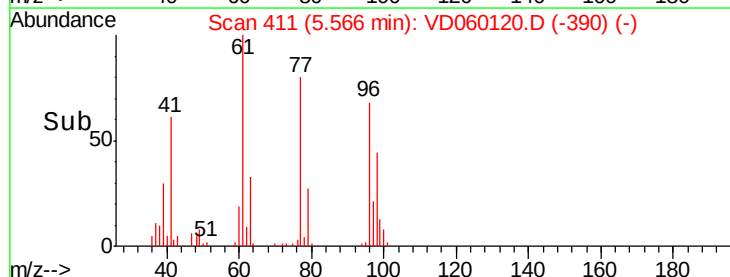
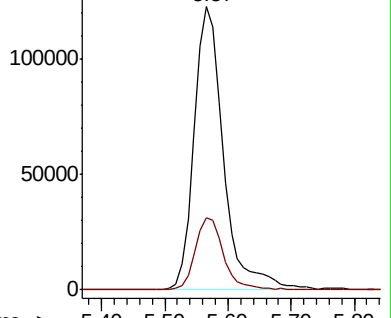
77 100

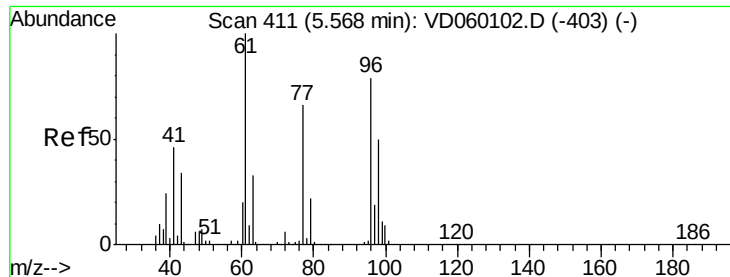
97 25.5 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



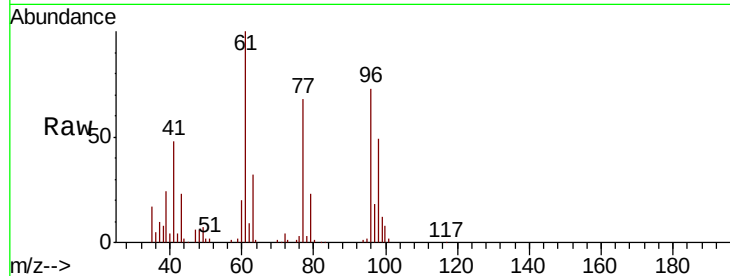


#27

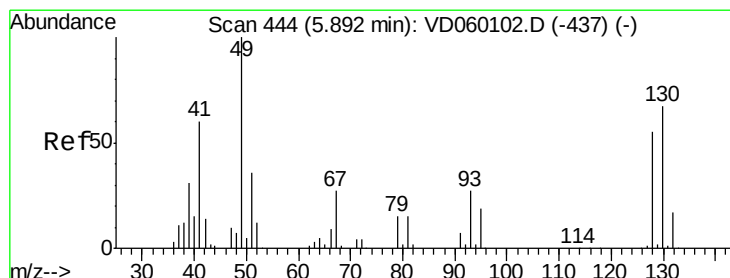
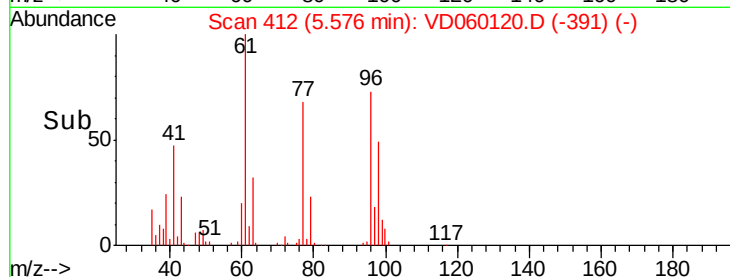
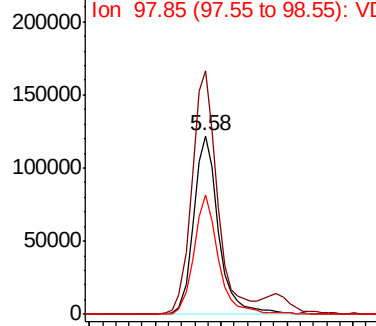
cis-1,2-Dichloroethene
Concen: 20.897 ug/l
RT: 5.58 min Scan# 412
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

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



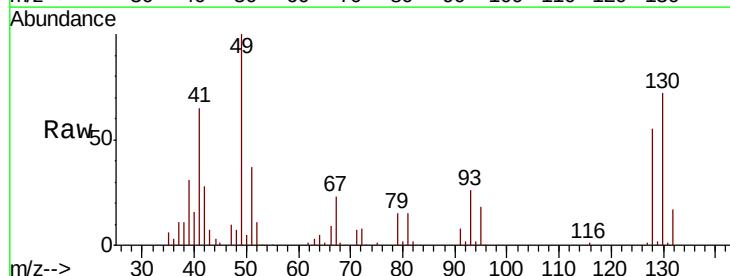
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



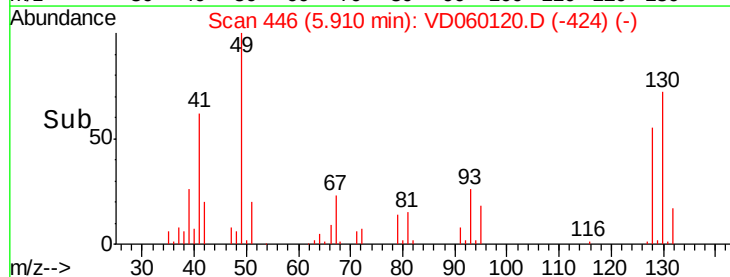
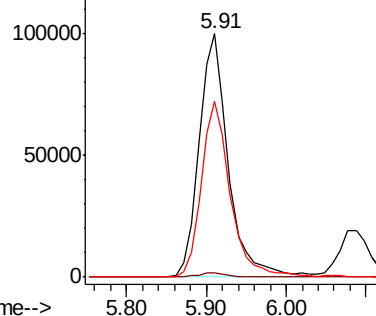
#28

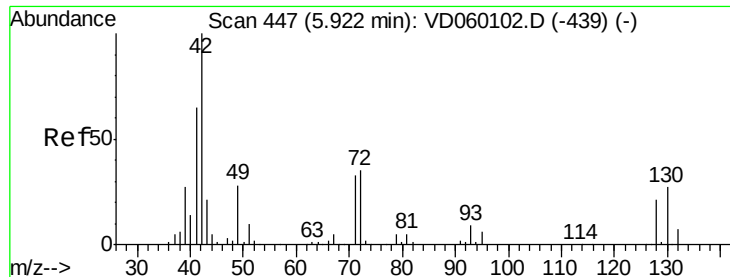
Bromochloromethane
Concen: 22.009 ug/l
RT: 5.91 min Scan# 446
Delta R.T. 0.02 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

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



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





#29

Tetrahydrofuran

Concen: 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

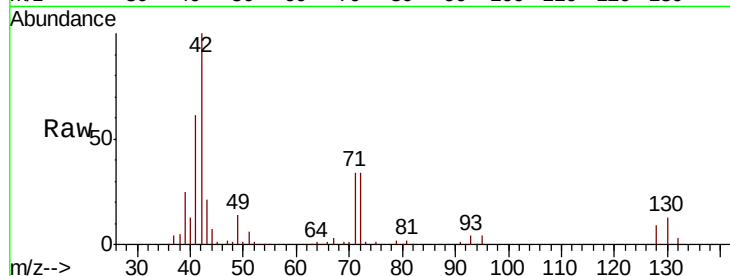
Tot Ion: 42 Resp: 340778

Ion Ratio Lower Upper

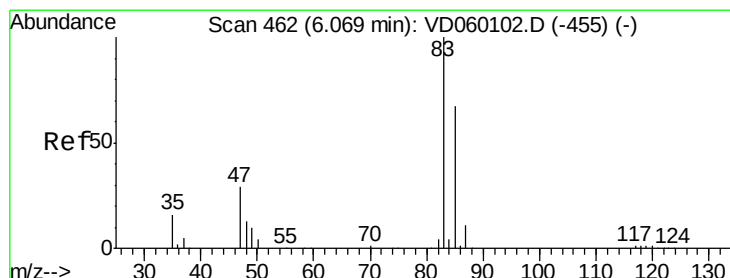
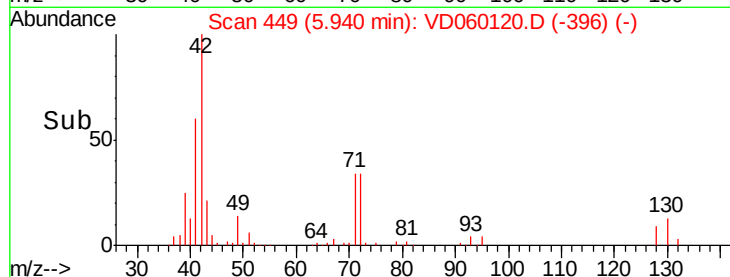
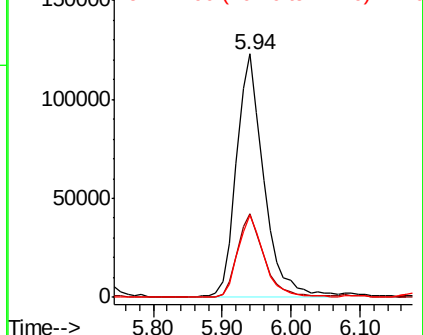
42 100

72 33.4 26.9 40.3

71 32.6 26.7 40.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.496 ug/l

RT: 6.09 min Scan# 464

Delta R.T. 0.02 min

Lab File: VD060120.D

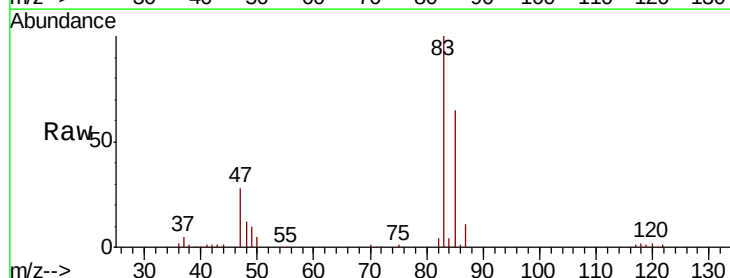
Acq: 3 Oct 2018 16:12

Tgt Ion: 83 Resp: 517952

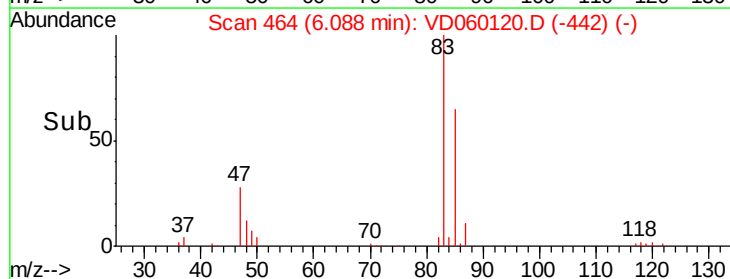
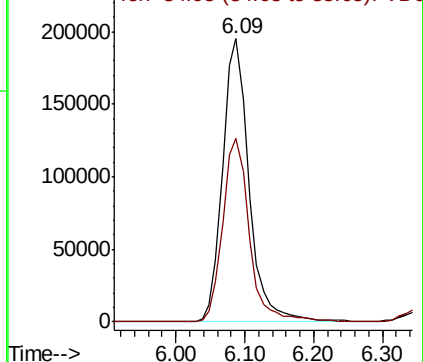
Ion Ratio Lower Upper

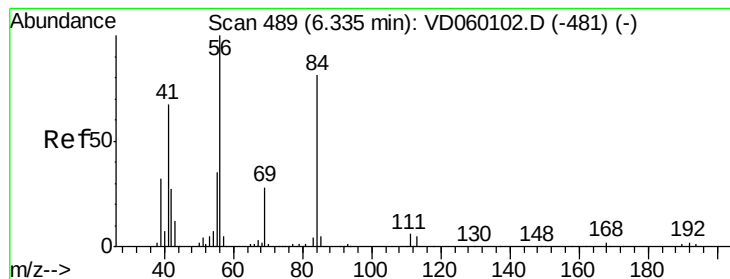
83 100

85 64.6 53.8 80.8



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#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

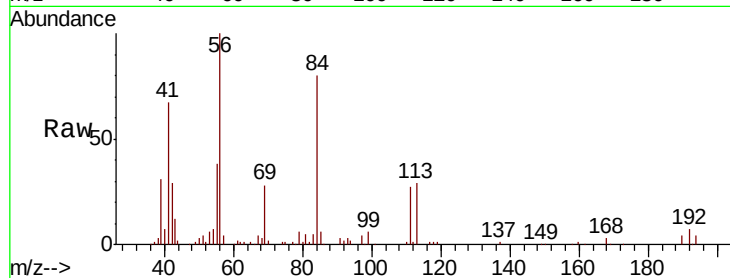
Tot Ion: 56 Resp: 431009

Ion Ratio Lower Upper

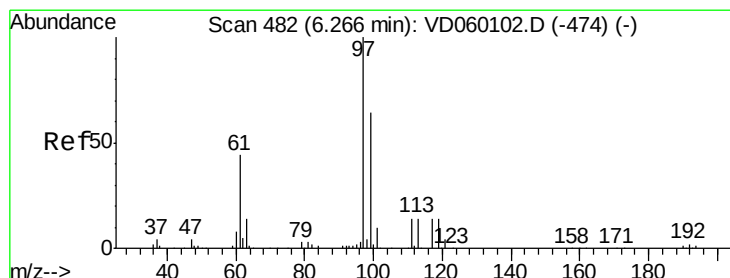
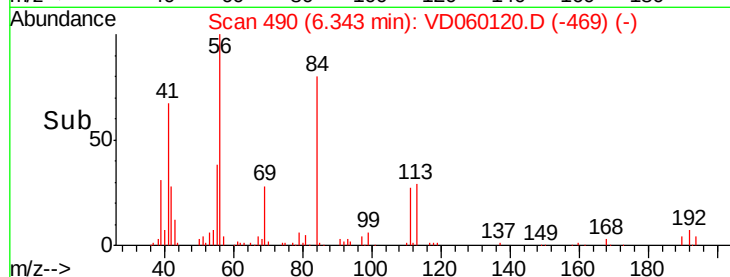
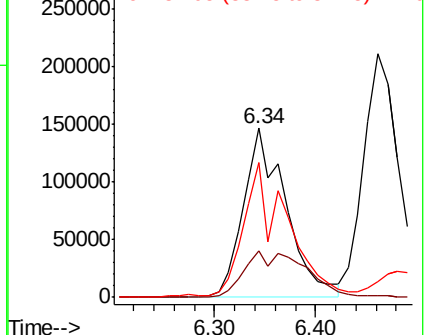
56 100

69 27.9 22.8 34.2

84 79.6 64.9 97.3



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#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

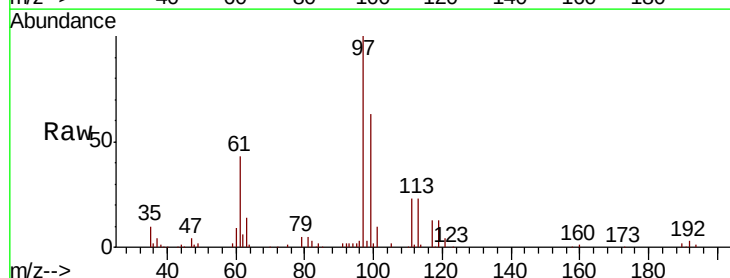
Tgt Ion: 97 Resp: 408251

Ion Ratio Lower Upper

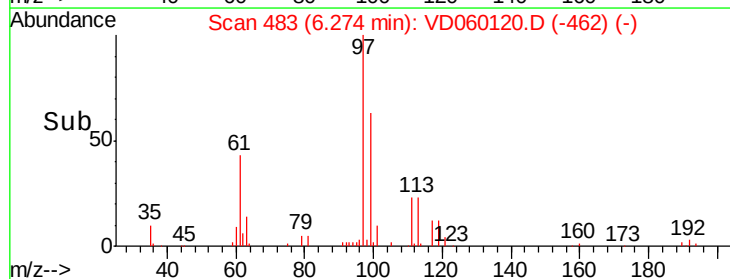
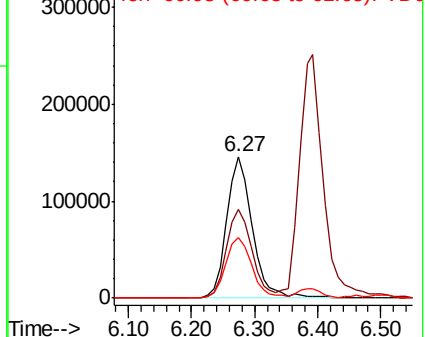
97 100

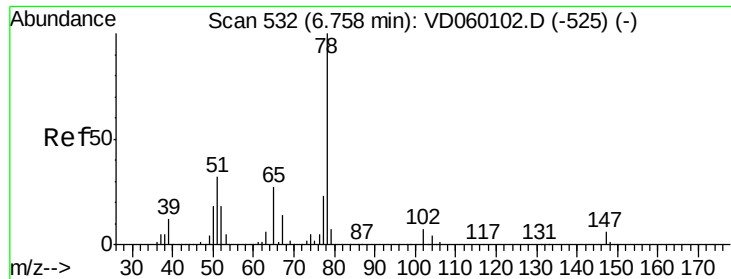
99 62.8 51.4 77.0

61 42.7 35.5 53.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

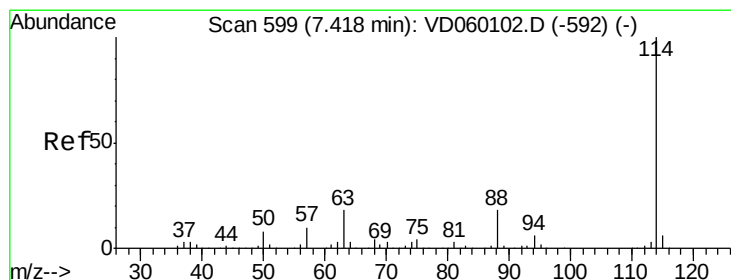
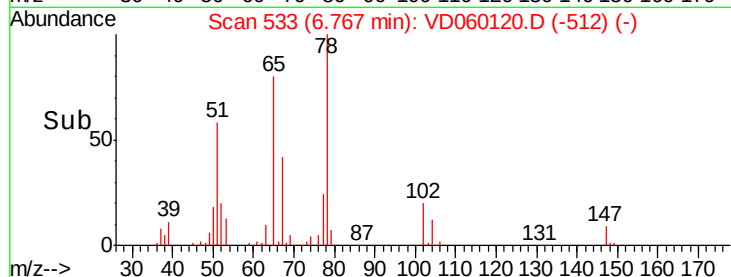
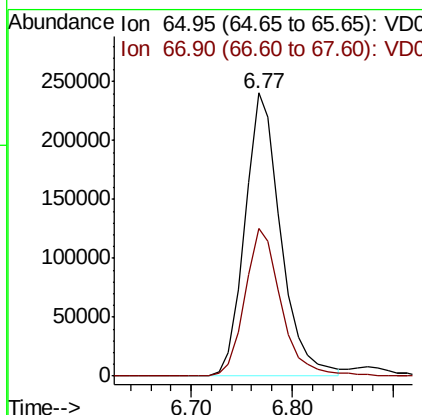
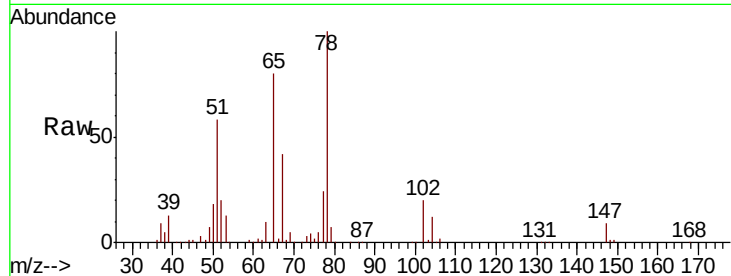




#33
 1,2-Dichloroethane-d4
 Concen: 20.681 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

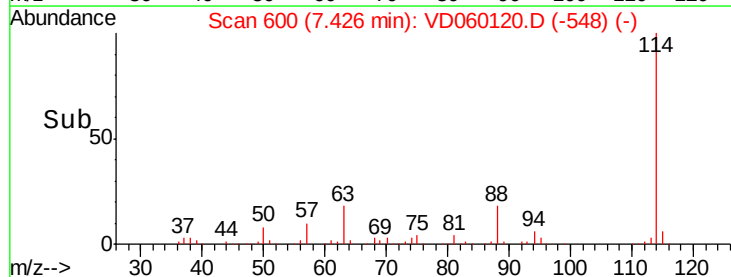
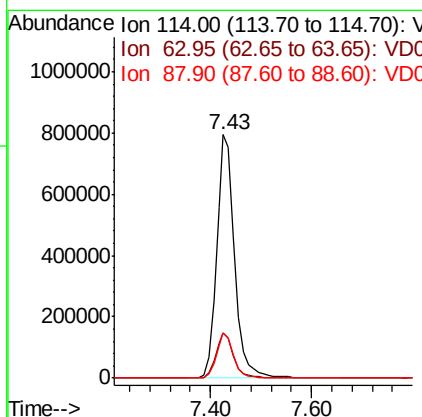
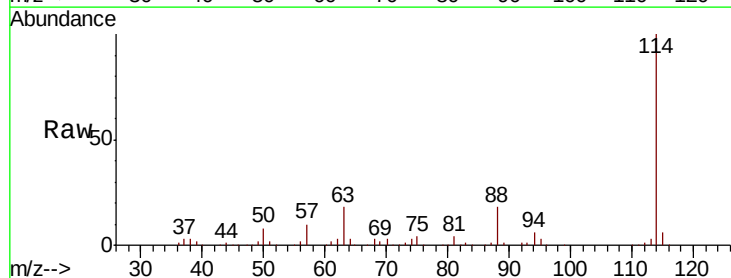
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

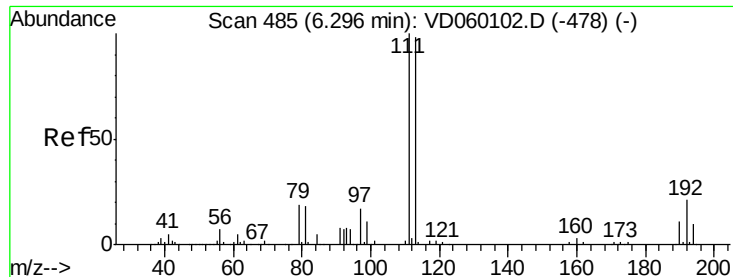
Tot Ion: 65 Resp: 594041
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.2



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

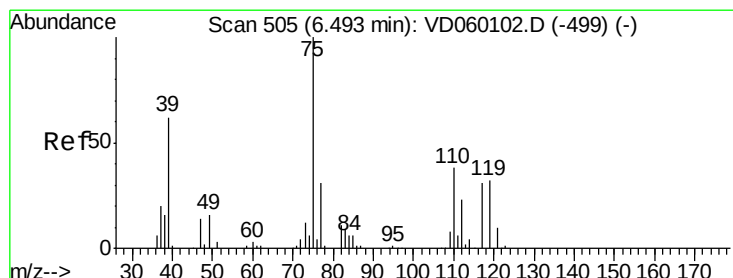
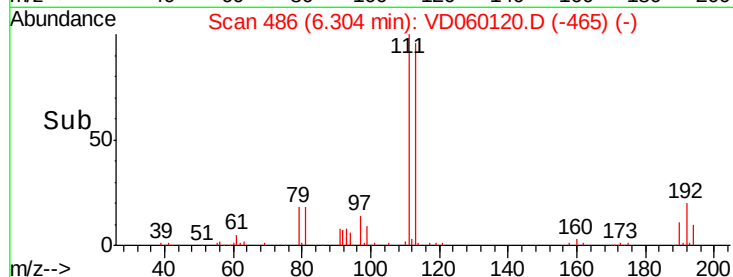
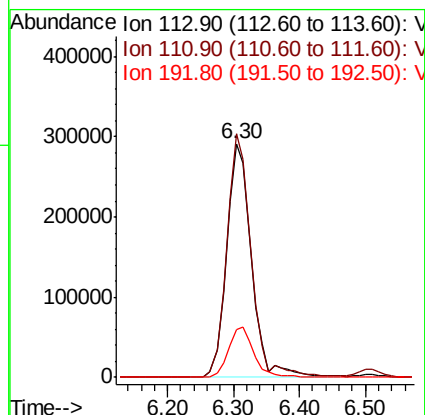
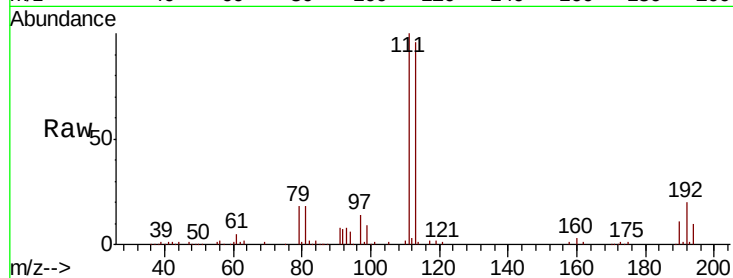




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.30 min Scan# 486
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

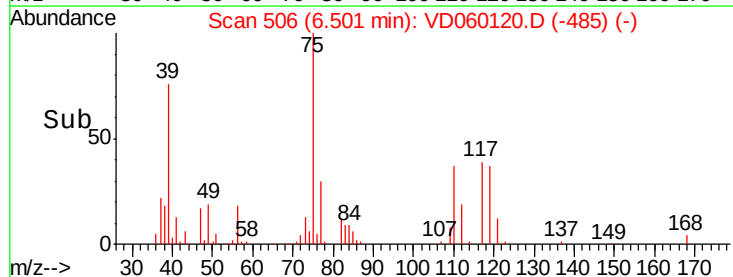
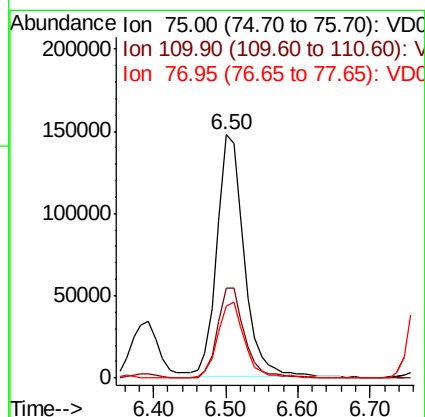
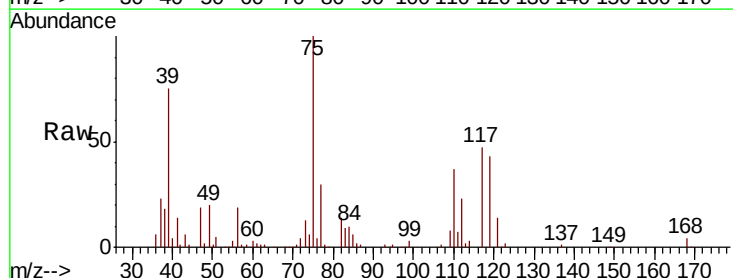
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

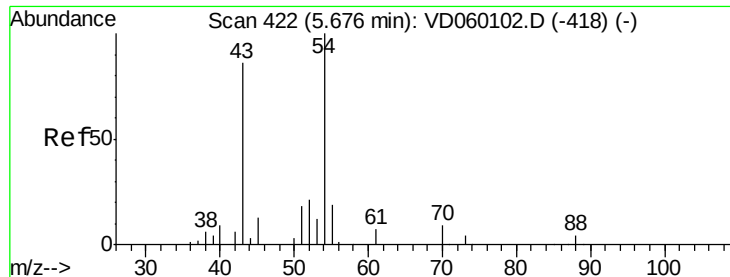
Tot Ion:113 Resp: 770661
Ion Ratio Lower Upper
113 100
111 104.1 81.5 122.3
192 20.7 17.4 26.0



#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

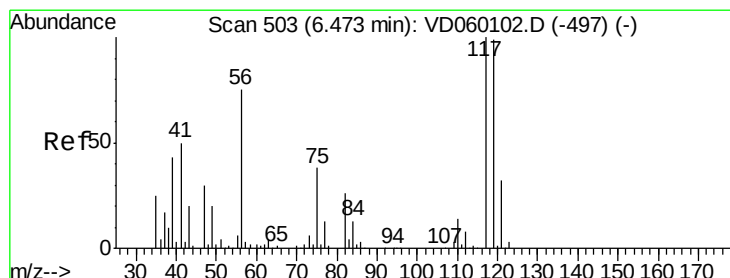
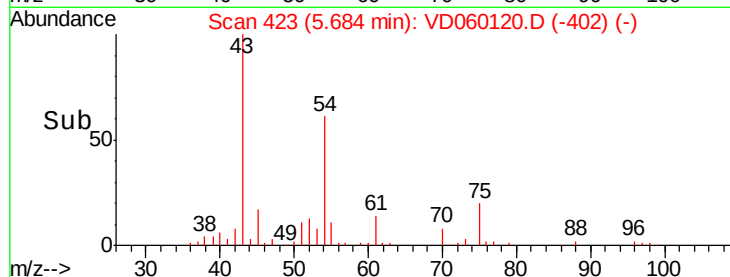
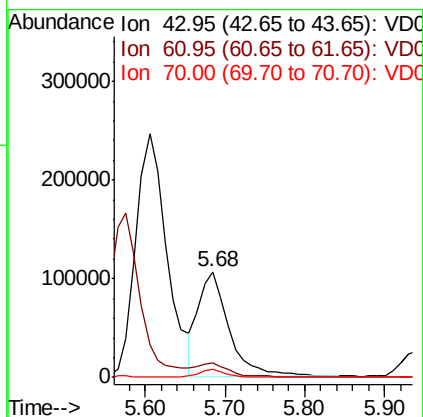
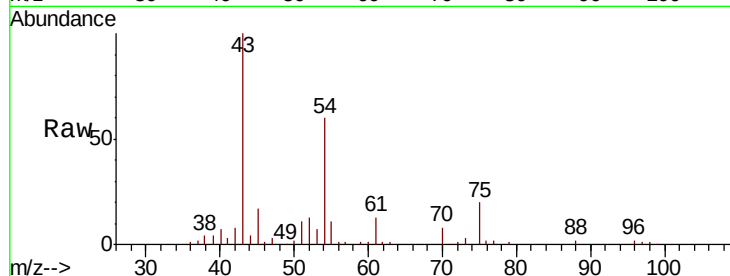




#37
Ethyl Acetate
Concen: 22.454 ug/l
RT: 5.68 min Scan# 423
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

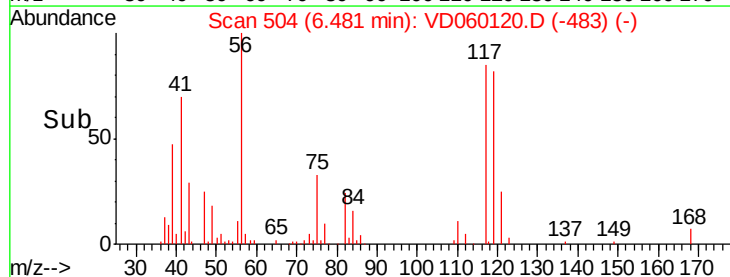
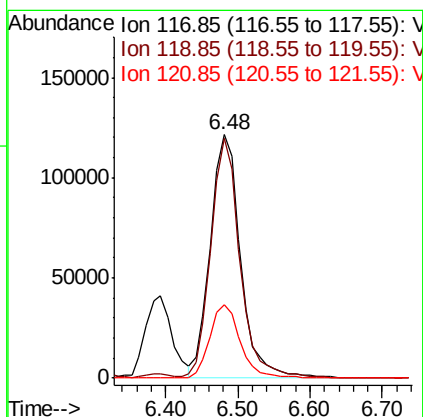
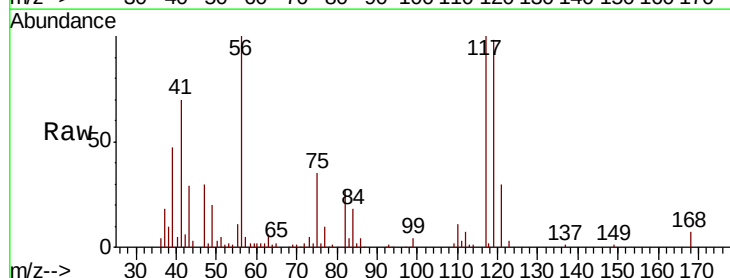
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

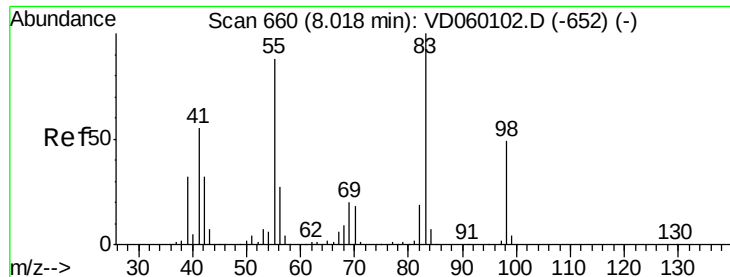
Tot Ion: 43 Resp: 280642
Ion Ratio Lower Upper
43 100
61 13.4 10.5 15.7
70 7.6 6.3 9.5



#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

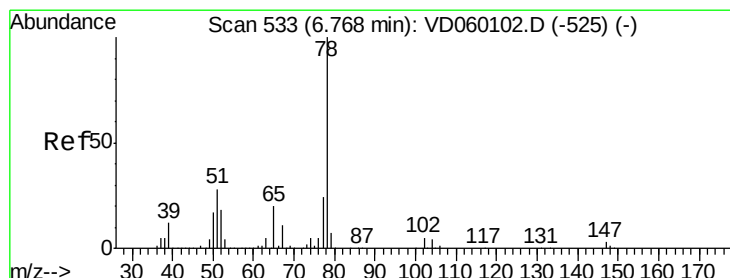
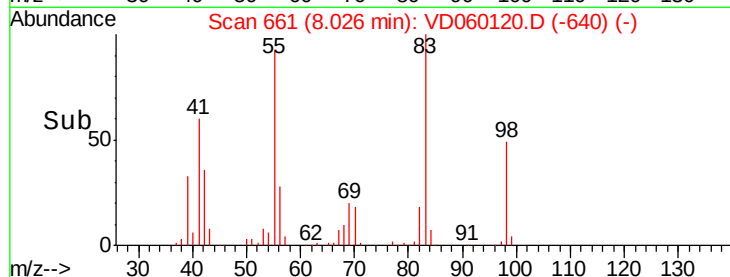
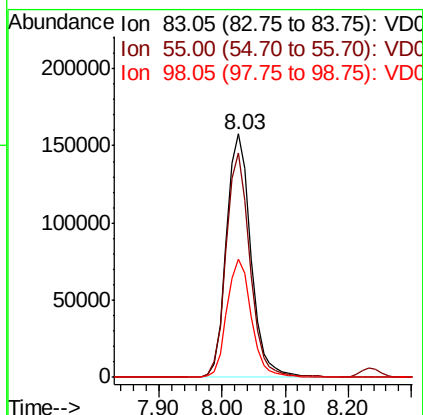
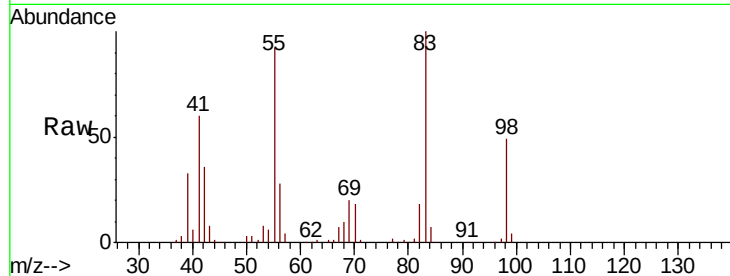




#39
Methylvlcyclohexane
Concen: 19.767 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

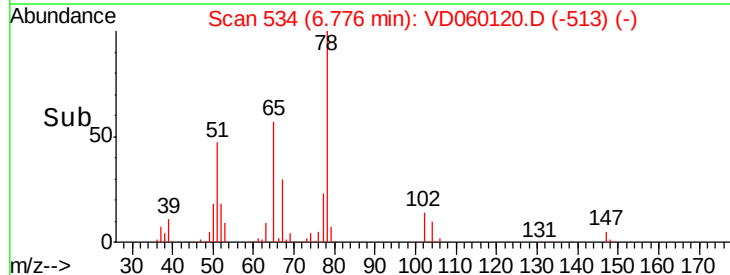
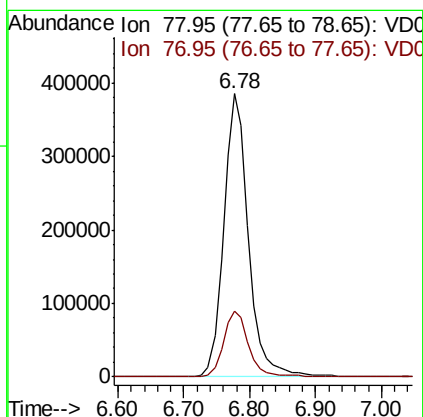
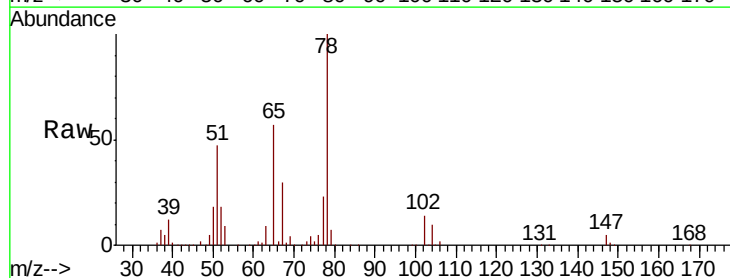
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

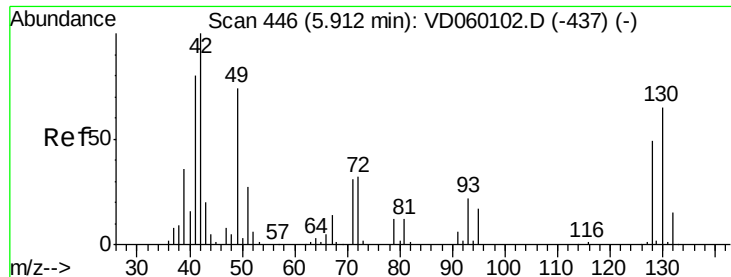
Tot Ion: 83 Resp: 422909
Ion Ratio Lower Upper
83 100
55 91.9 70.5 105.7
98 48.6 39.4 59.2



#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: 78 Resp: 1002293
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4

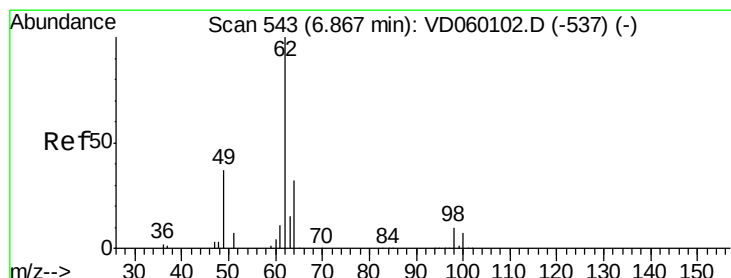
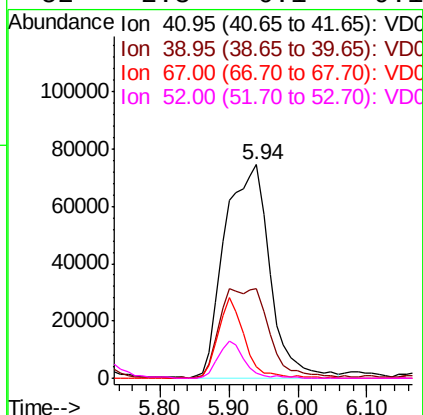
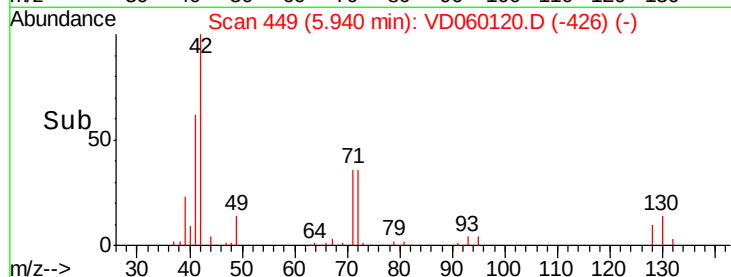
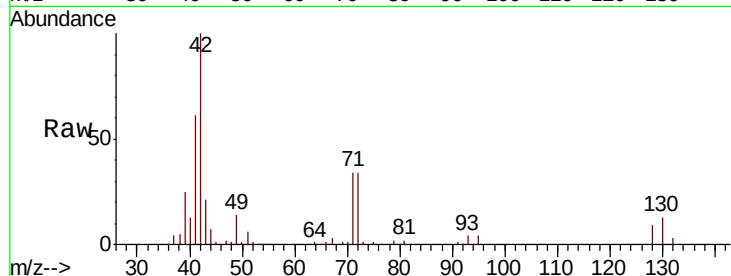




#41
Methacrylonitrile
Concen: 47.985 ug/l
RT: 5.94 min Scan# 449
Delta R.T. 0.03 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

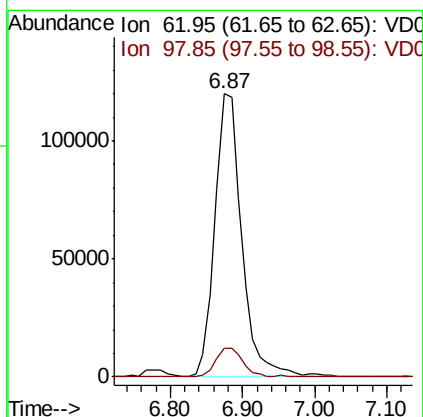
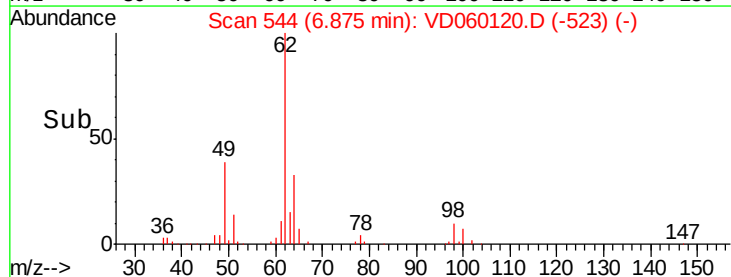
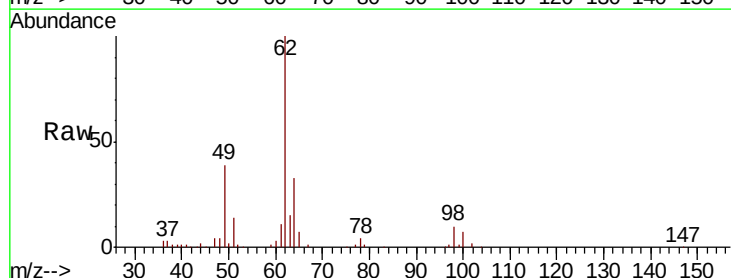
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

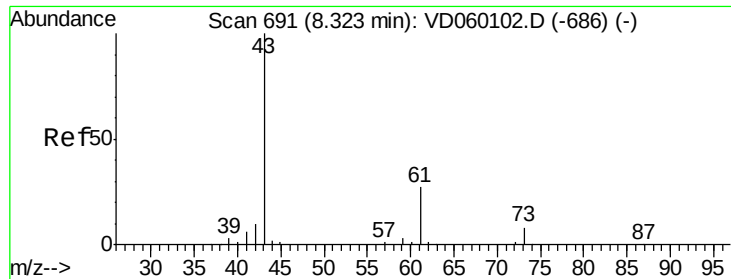
Tot Ion: 41 Resp: 338981
Ion Ratio Lower Upper
41 100
39 41.9 36.0 54.0
67 5.5 13.9 20.9#
52 2.3 6.1 9.1#



#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

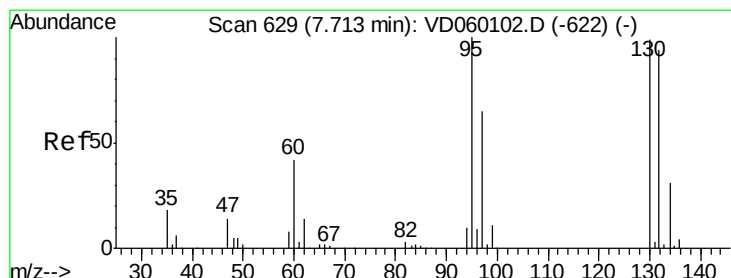
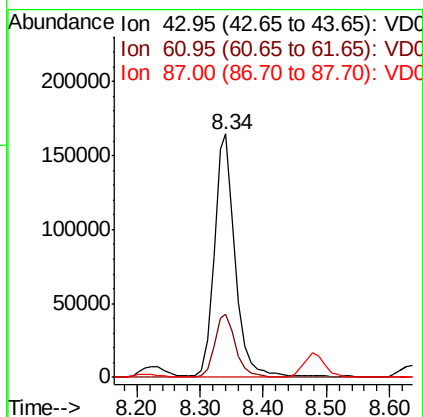
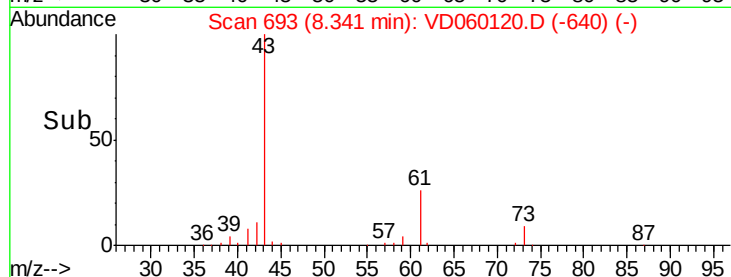
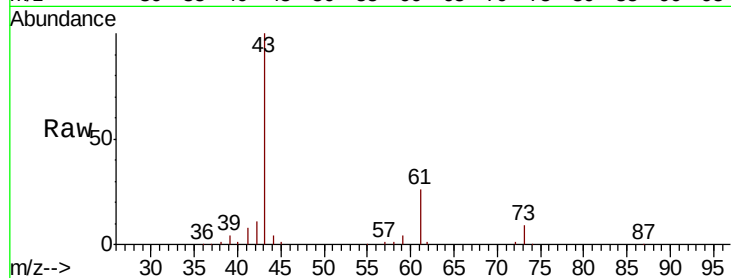
Tot Ion: 43 Resp: 376956

Ion Ratio Lower Upper

43 100

61 25.9 21.4 32.2

87 0.2 0.2 0.2



#44

Trichloroethene

Concen: 19.846 ug/l

RT: 7.73 min Scan# 631

Delta R.T. 0.02 min

Lab File: VD060120.D

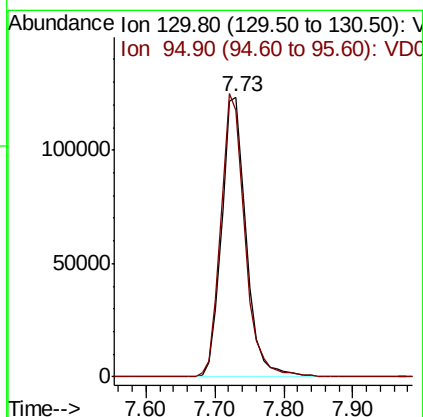
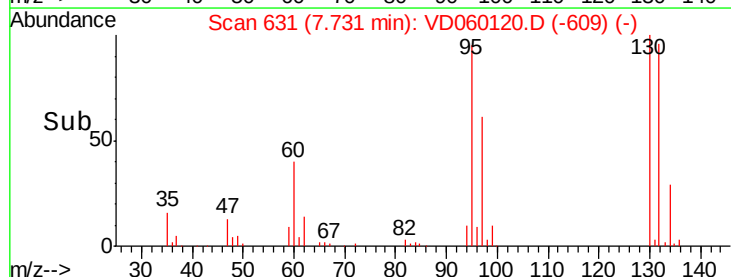
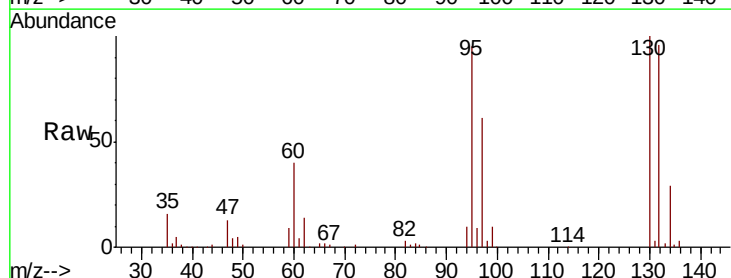
Acq: 3 Oct 2018 16:12

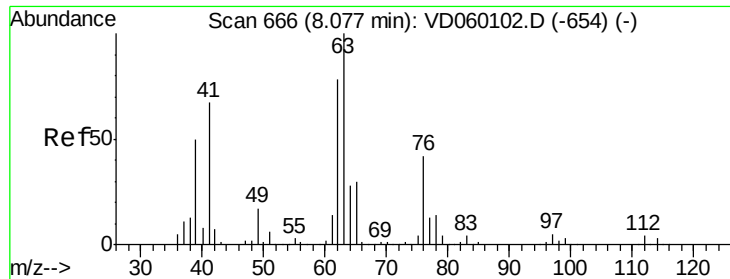
Tgt Ion:130 Resp: 302636

Ion Ratio Lower Upper

130 100

95 95.5 0.0 202.2

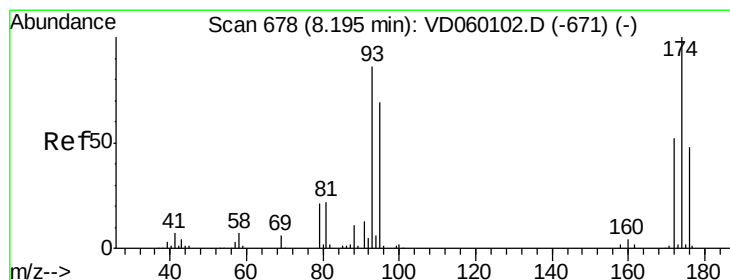
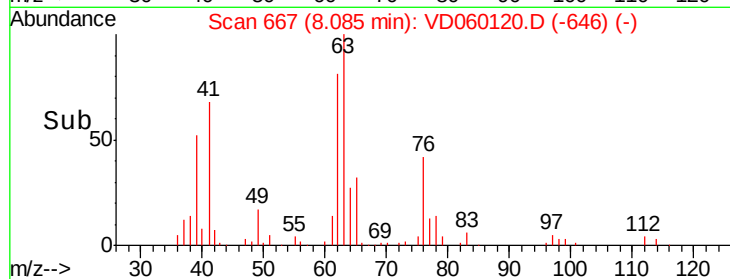
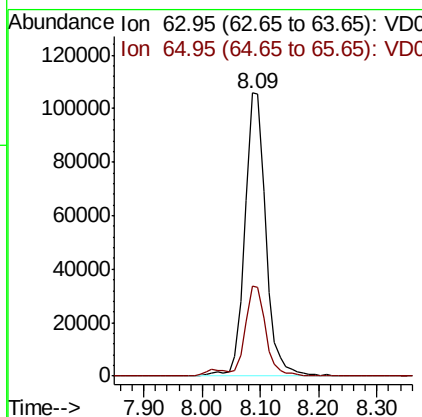
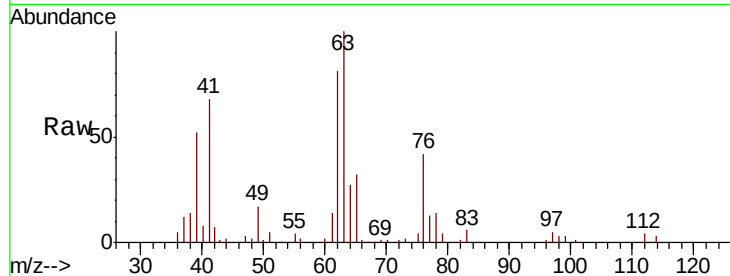




#45
 1,2-Dichloropropane
 Concen: 20.589 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

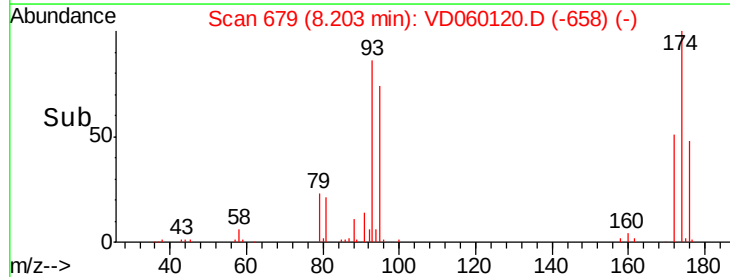
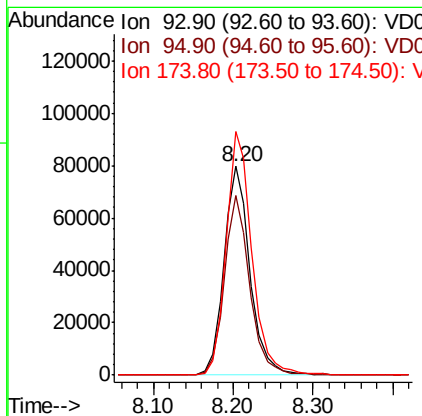
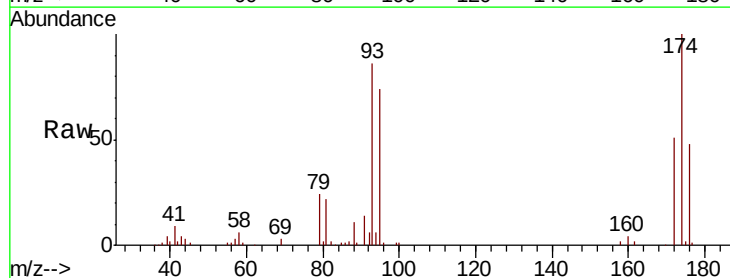
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

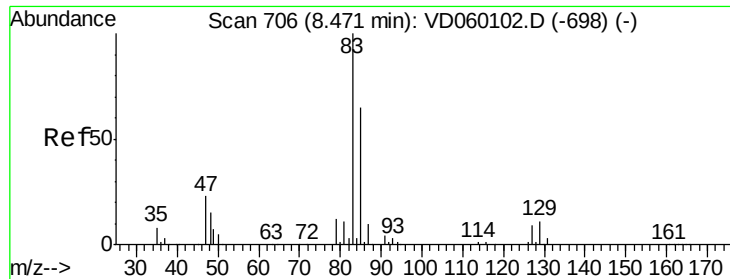
Tot Ion: 63 Resp: 265575
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.1 36.1



#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

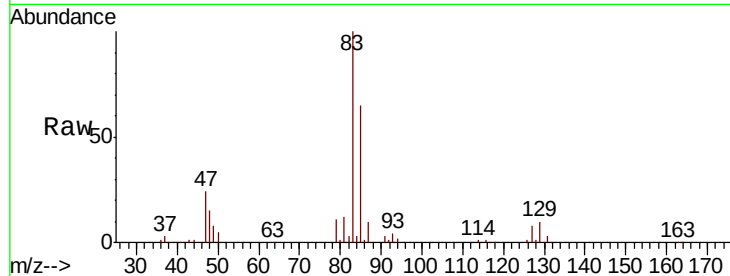
Tot Ion: 83 Resp: 382326

Ion Ratio Lower Upper

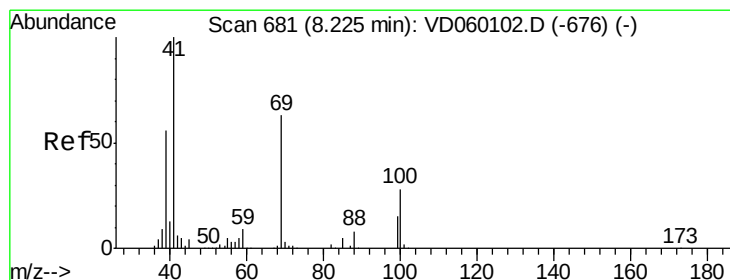
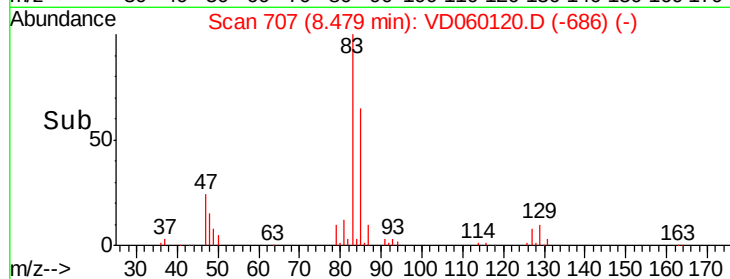
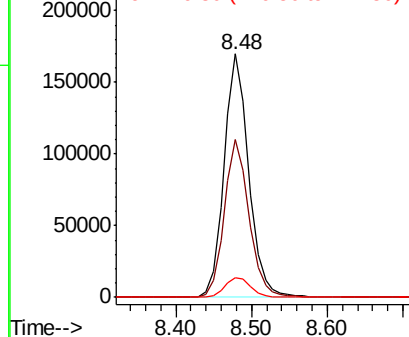
83 100

85 64.8 52.2 78.2

127 8.3 7.4 11.0



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



#48

Methyl methacrylate

Concen: 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

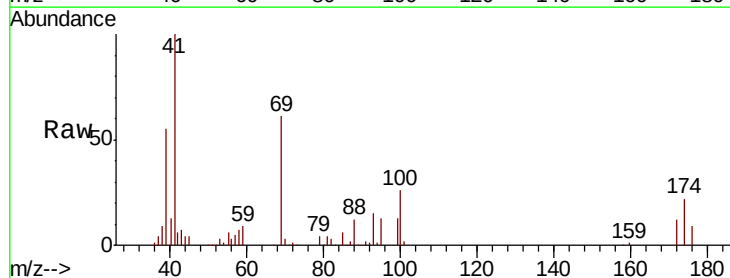
Tgt Ion: 41 Resp: 215914

Ion Ratio Lower Upper

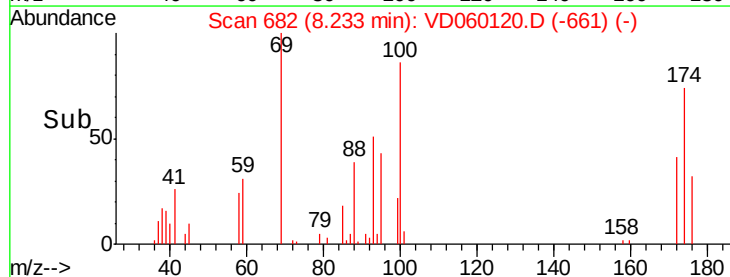
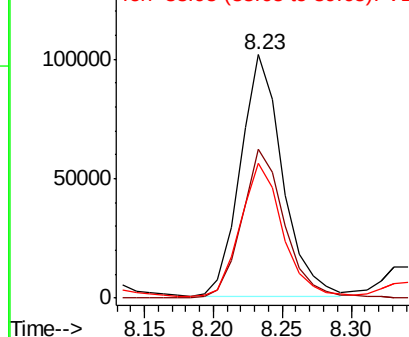
41 100

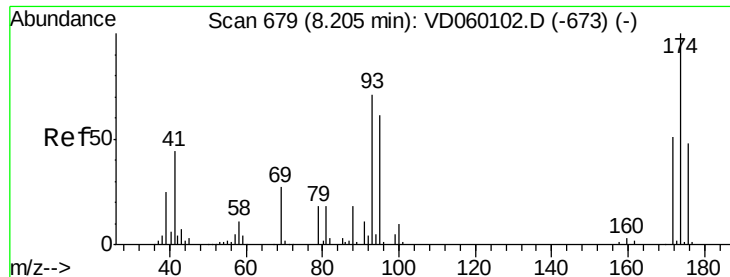
69 61.0 49.7 74.5

39 55.5 45.2 67.8



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

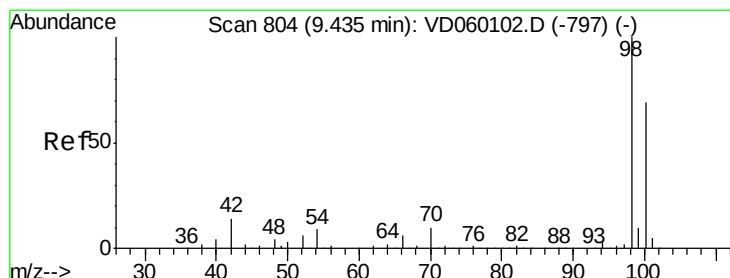
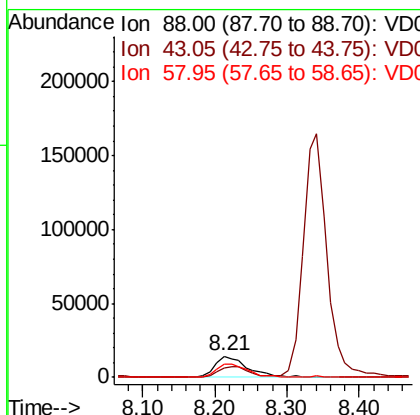
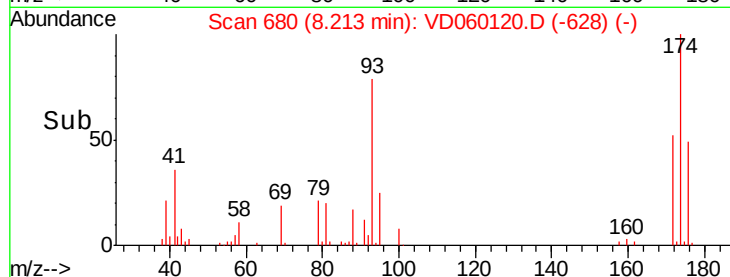
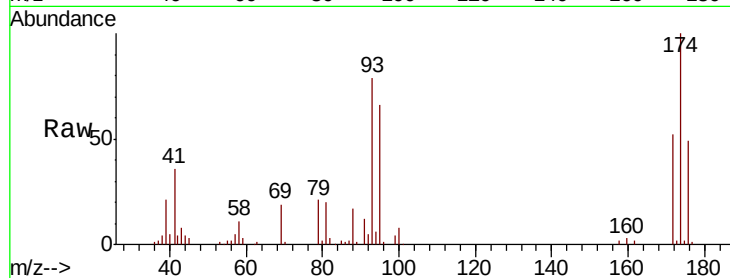




#49
1,4-Dioxane
Concen: 485.528 ug/l
RT: 8.21 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

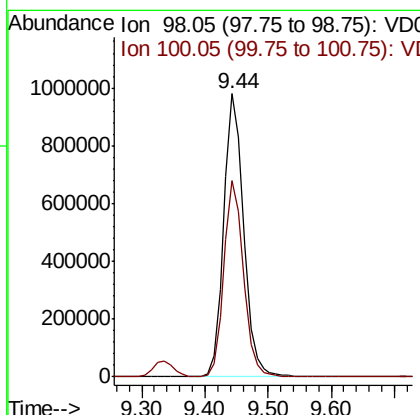
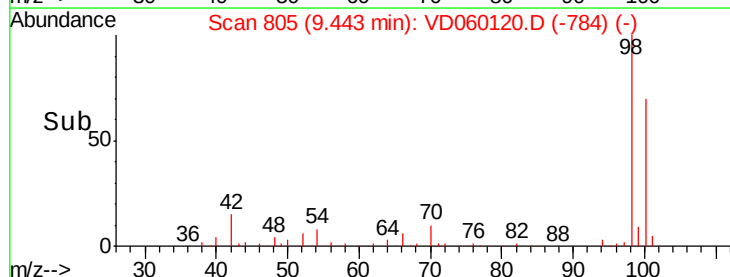
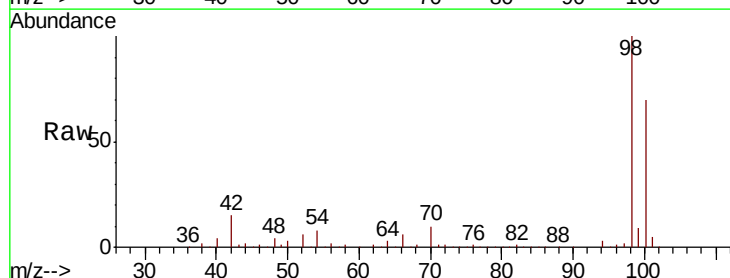
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

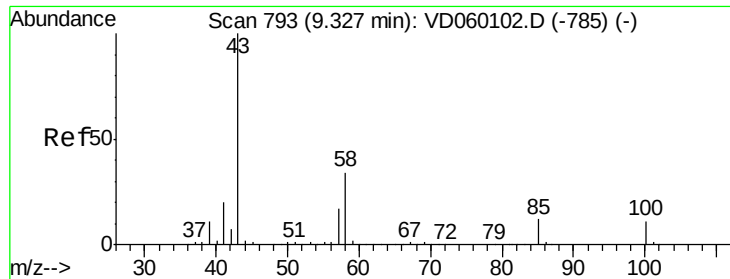
Tot Ion: 88 Resp: 44744
Ion Ratio Lower Upper
88 100
43 45.1 33.7 50.5
58 64.2 49.1 73.7



#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 :

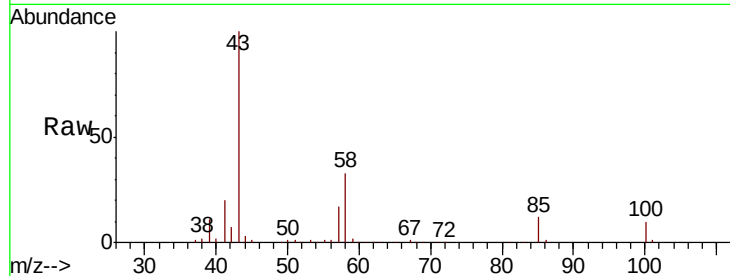
VD1003SBS01

Tot Ion: 43 Resp: 1220022

Ion Ratio Lower Upper

43 100

58 33.1 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

600000

500000

400000

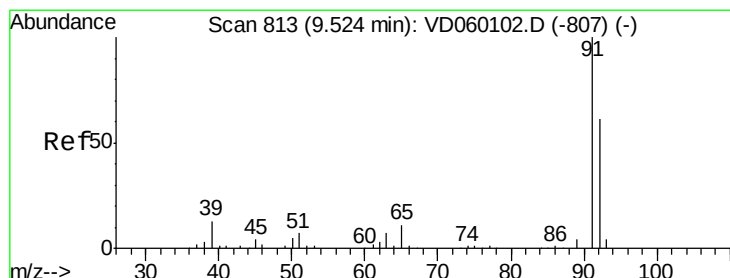
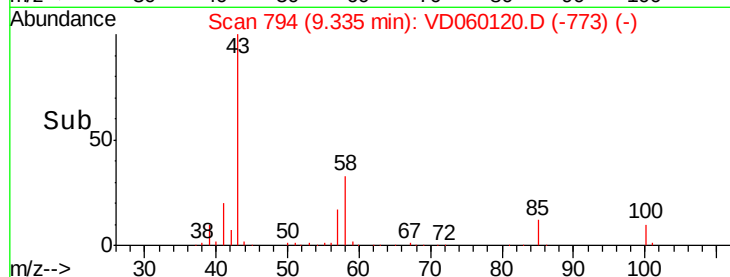
300000

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

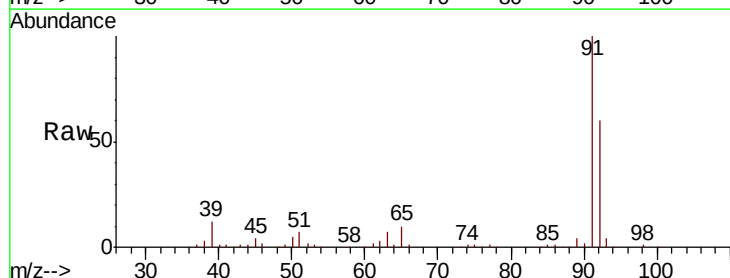
Acq: 3 Oct 2018 16:12

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

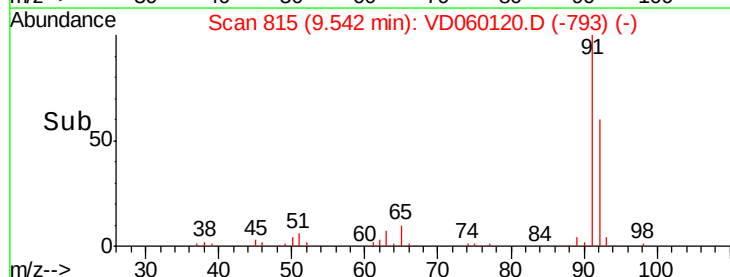
300000

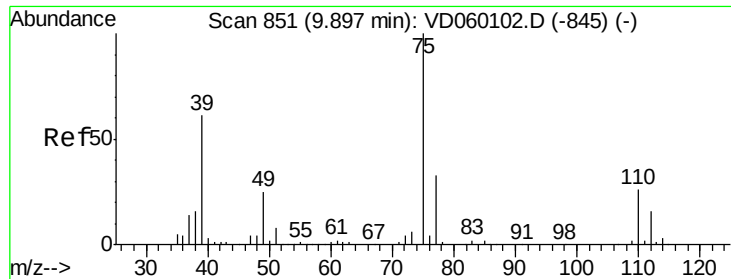
200000

100000

0

Time-->

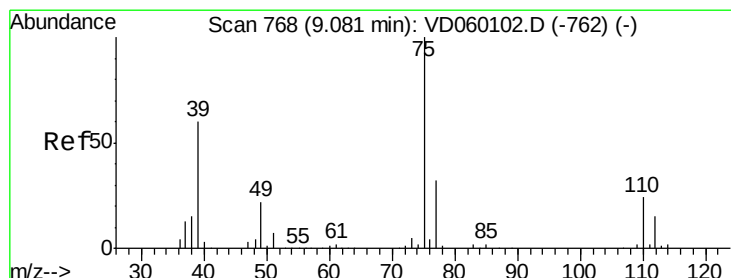
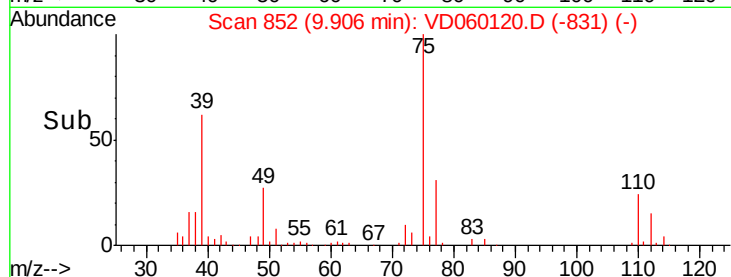
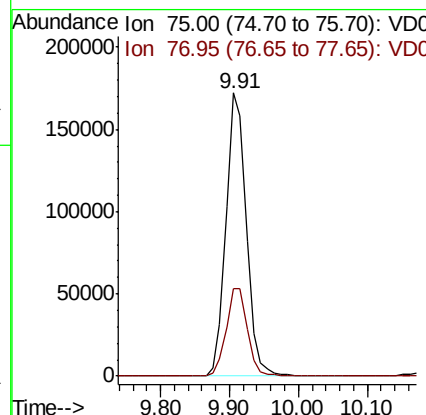
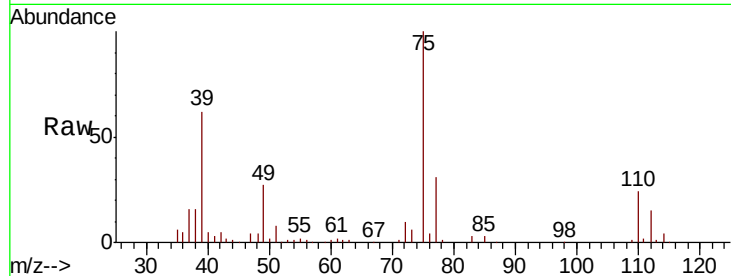




#53
 t-1,3-Dichloropropene
 Concen: 21.933 ug/l
 RT: 9.91 min Scan# 852
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

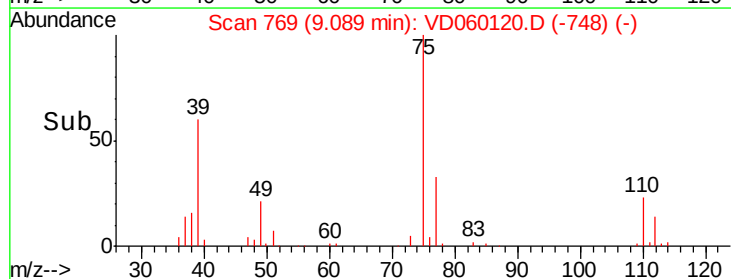
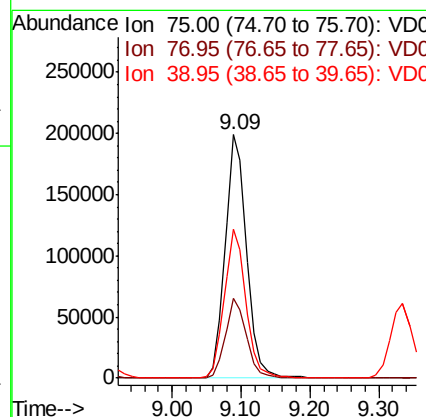
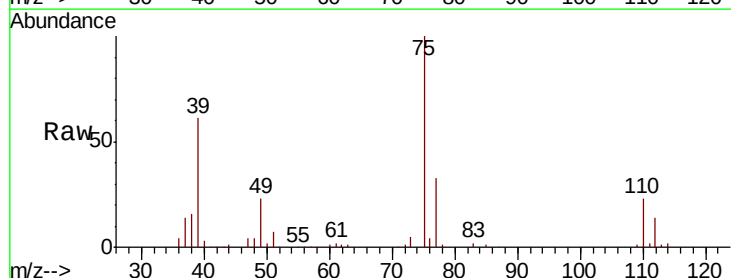
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

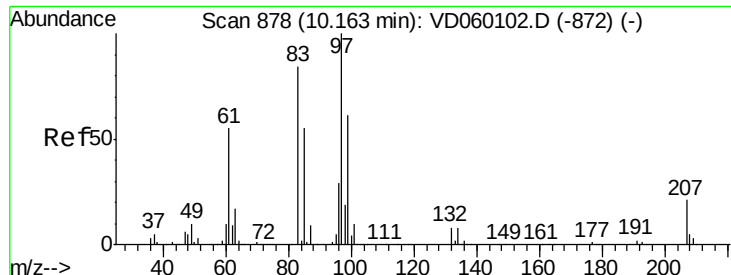
Tot Ion: 75 Resp: 353118
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.2 39.2



#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





#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

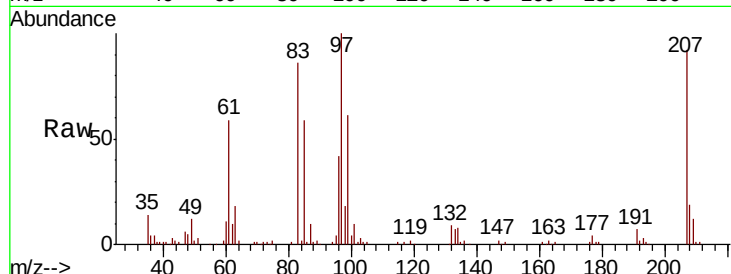
Ion Ratio Lower Upper

97 100

83 85.8 67.0 100.6

85 58.5 43.9 65.9

99 61.4 49.1 73.7

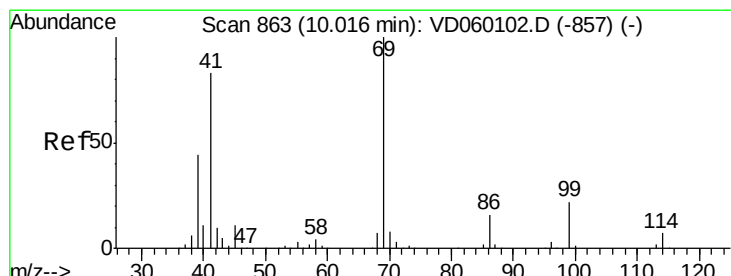
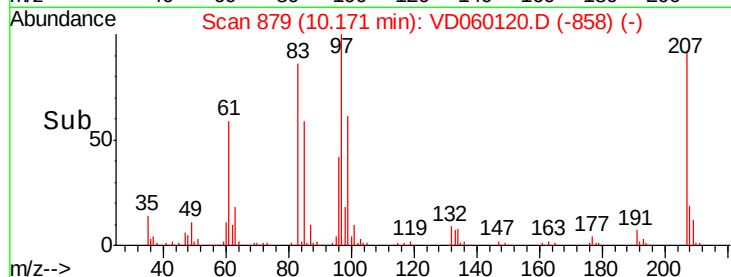
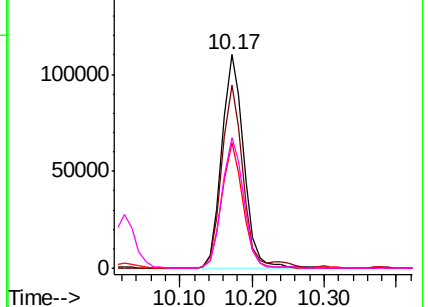


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#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

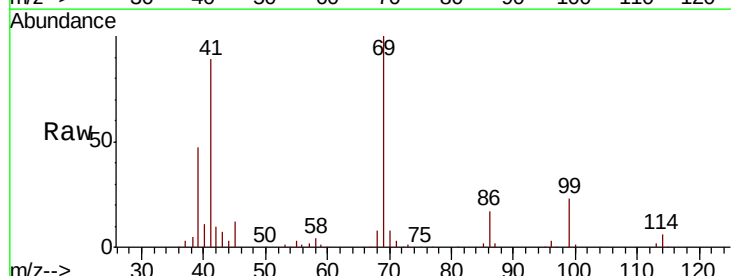
Tgt Ion: 69 Resp: 255263

Ion Ratio Lower Upper

69 100

41 88.6 66.6 100.0

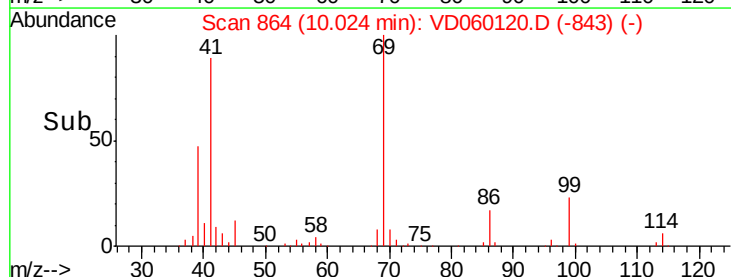
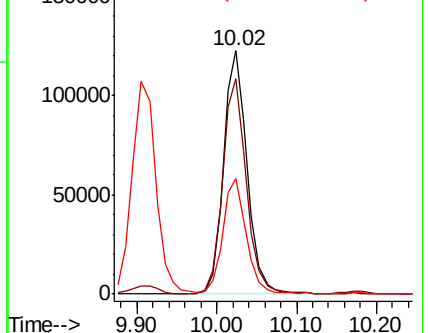
39 47.3 36.0 54.0

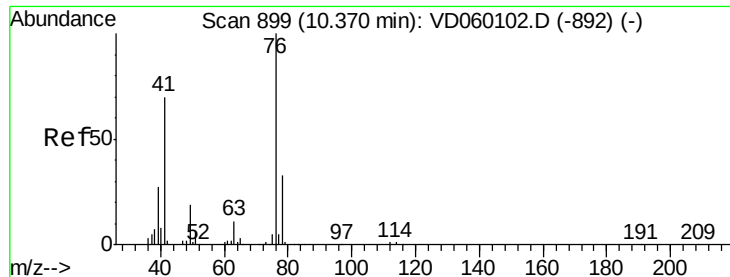


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

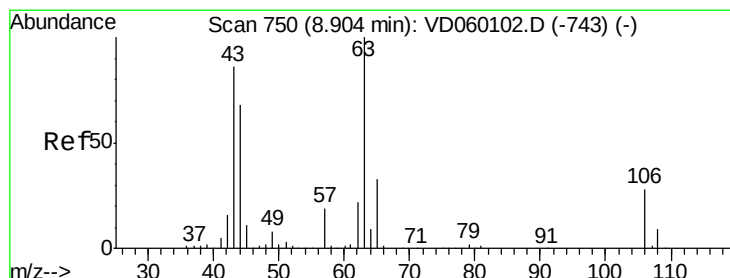
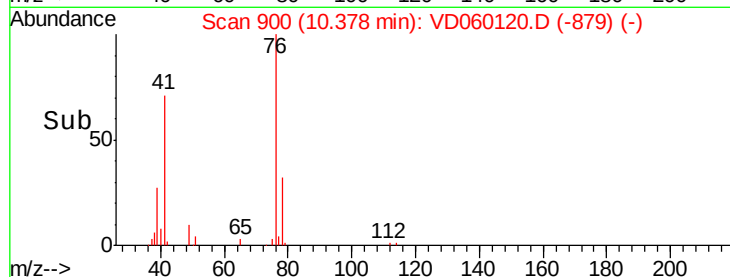
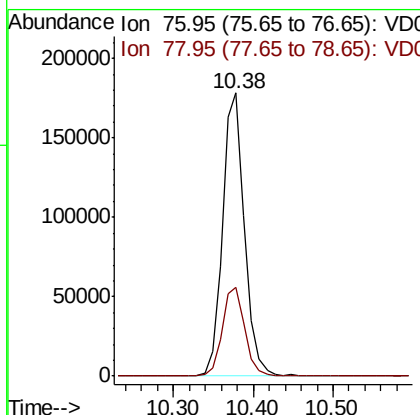
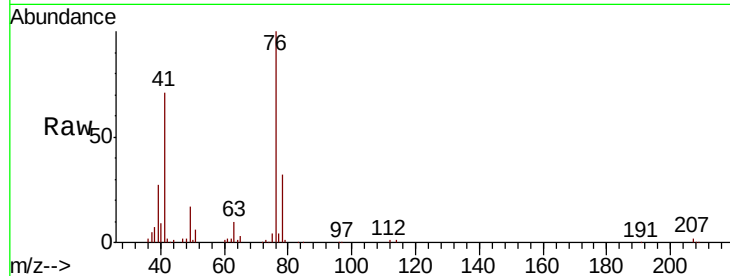




#57
 1,3-Dichloropropane
 Concen: 21.722 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

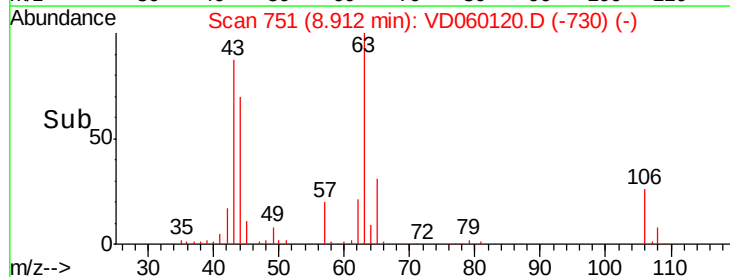
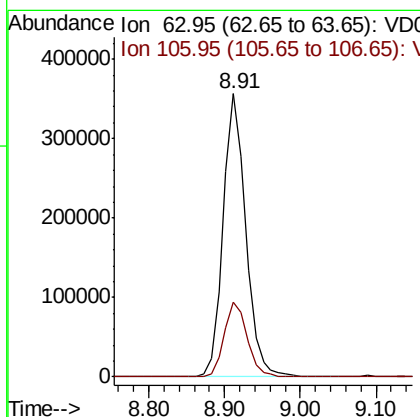
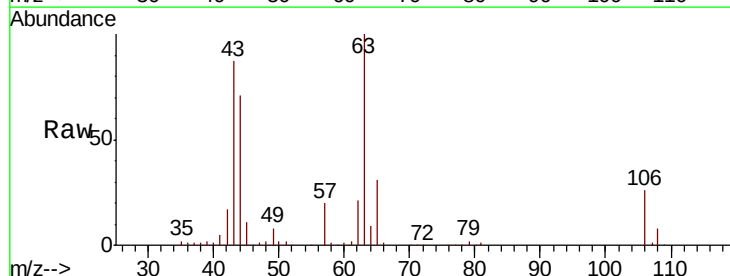
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

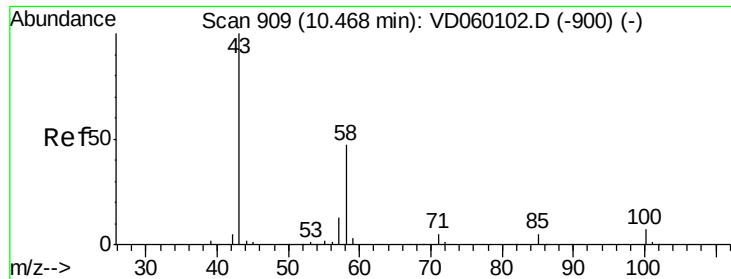
Tot Ion: 76 Resp: 343603
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.2 39.2



#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

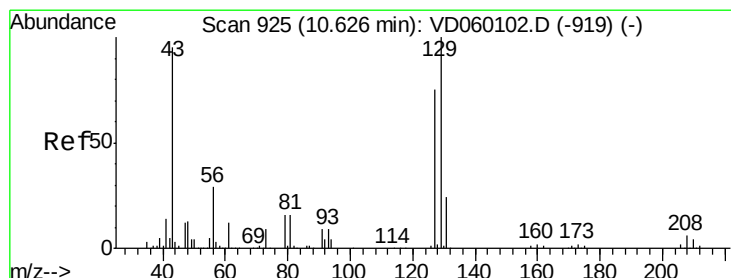
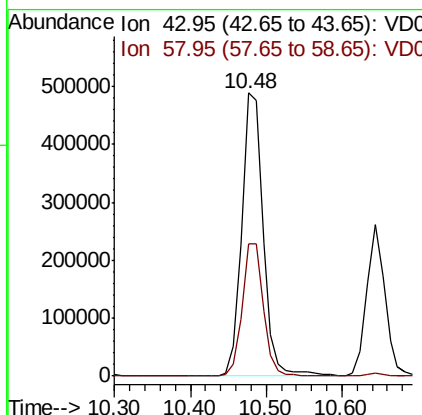
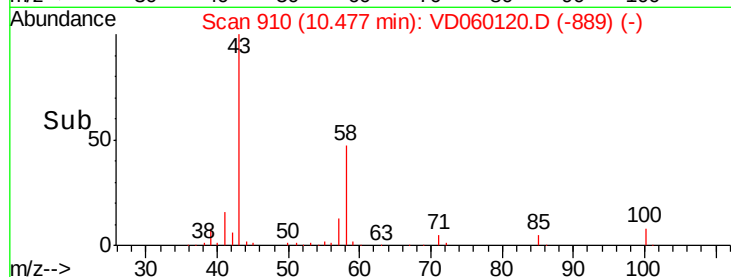
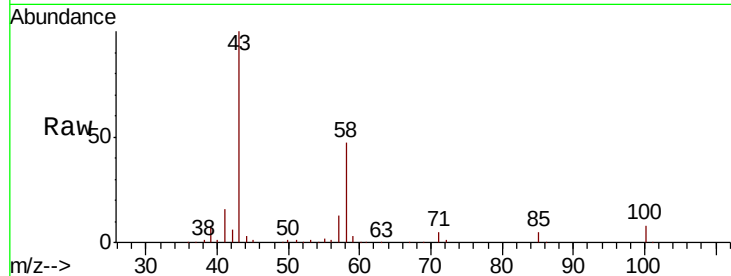




#59
2-Hexanone
Concen: 127.706 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

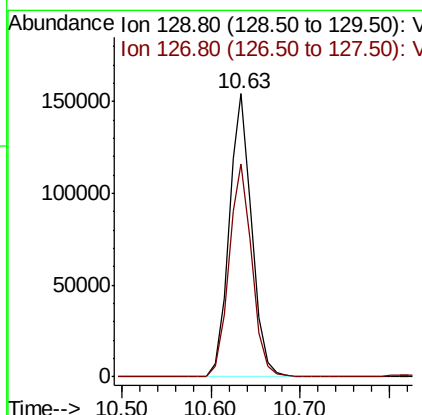
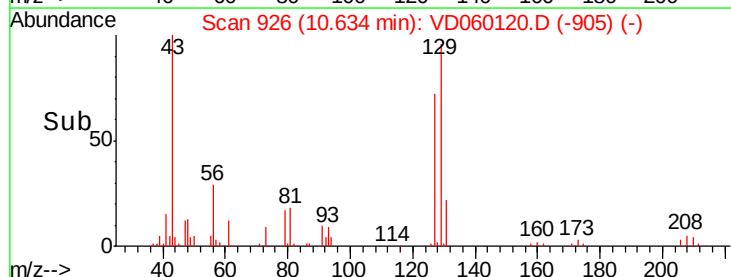
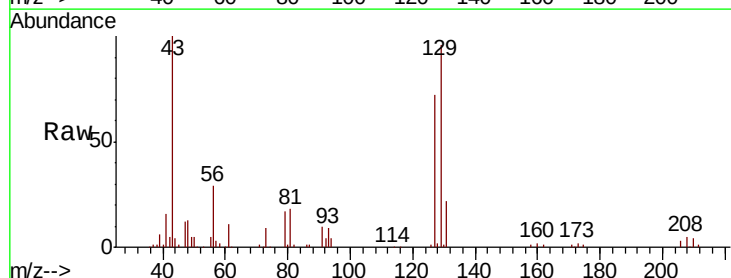
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

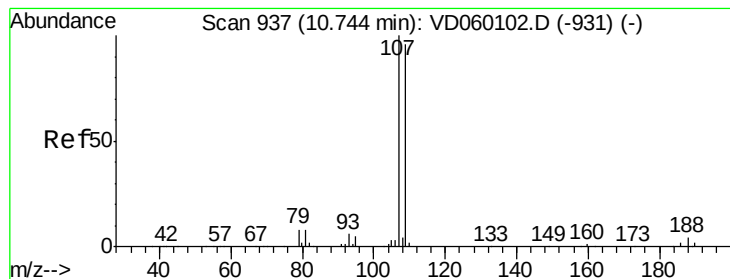
Tot Ion: 43 Resp: 952385
Ion Ratio Lower Upper
43 100
58 47.0 23.3 69.9



#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 :

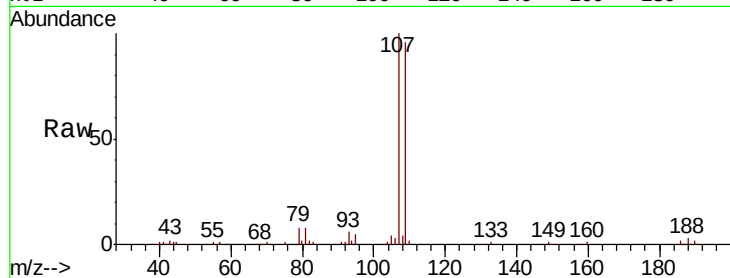
VD1003SBS01

Tot Ion:107 Resp: 238184

Ion Ratio Lower Upper

107 100

109 95.5 77.1 115.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

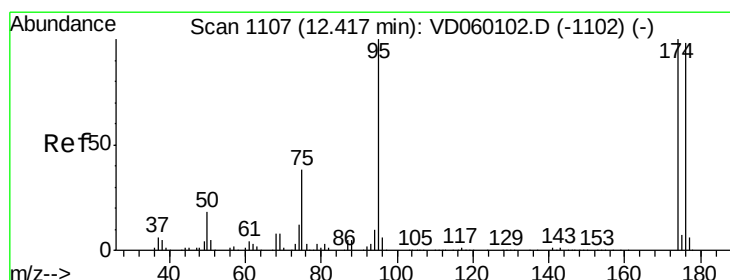
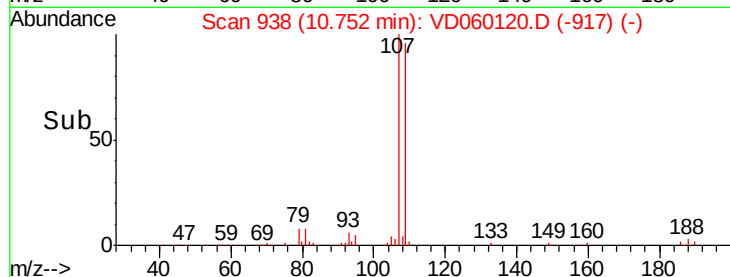
150000

100000

50000

0

Time-->



#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

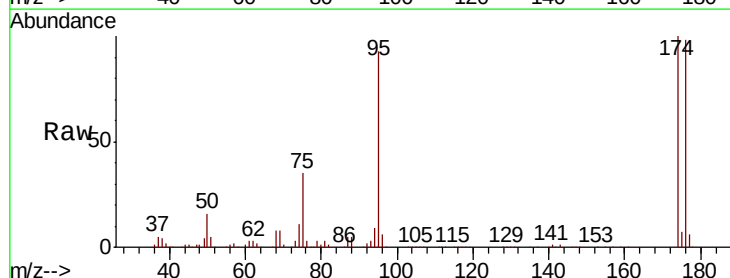
Tgt Ion: 95 Resp: 837192

Ion Ratio Lower Upper

95 100

174 107.0 0.0 200.2

176 104.4 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

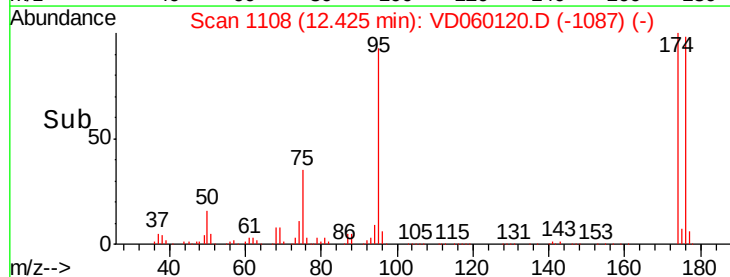
600000

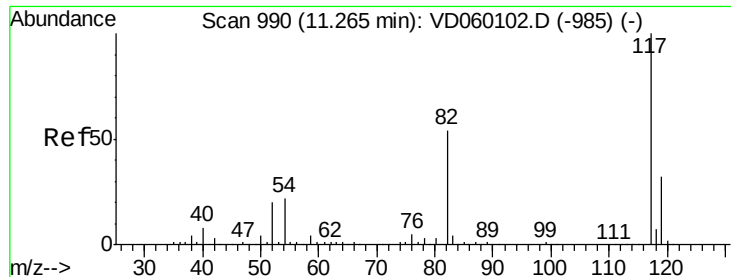
400000

200000

0

Time-->

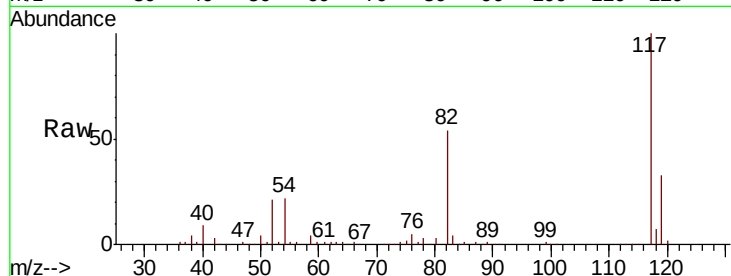




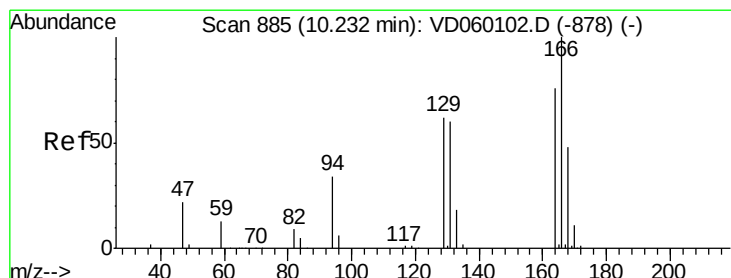
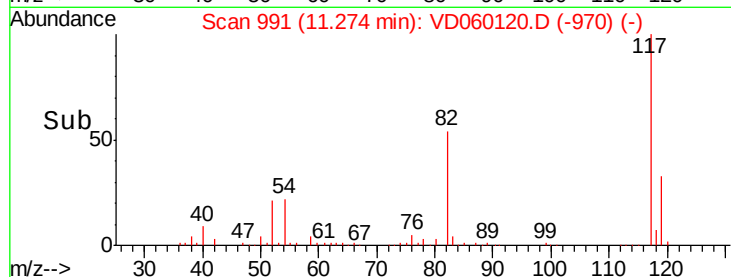
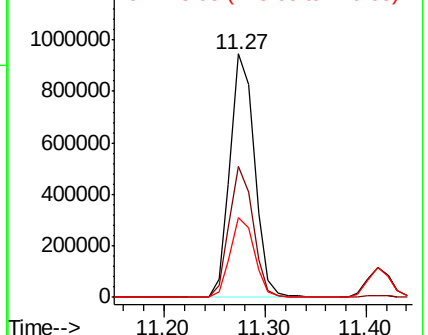
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

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

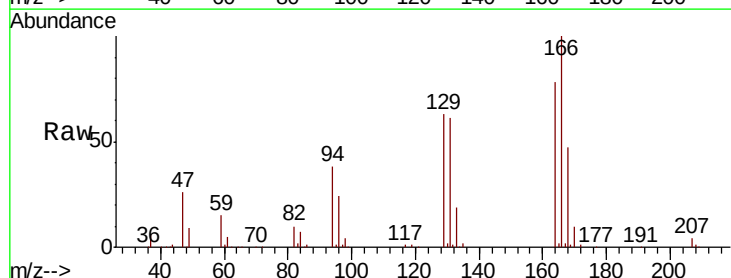


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

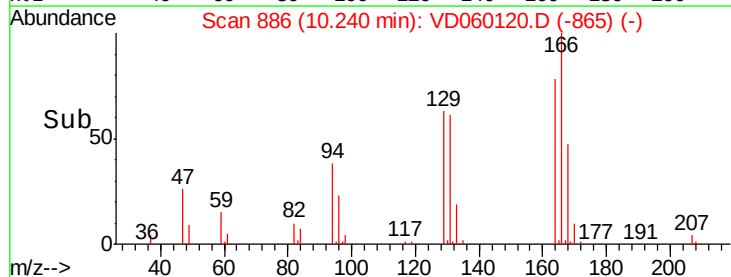
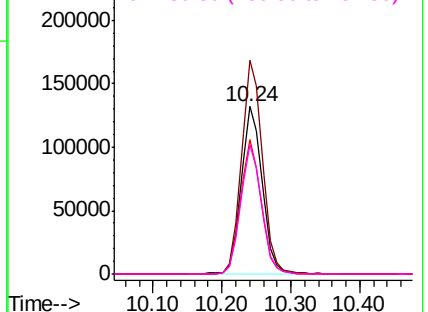


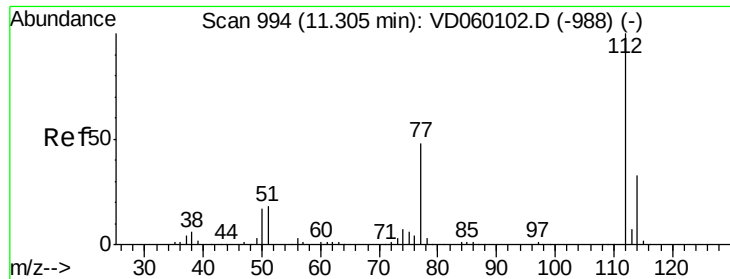
#64
Tetrachloroethene
Concen: 19.812 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

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

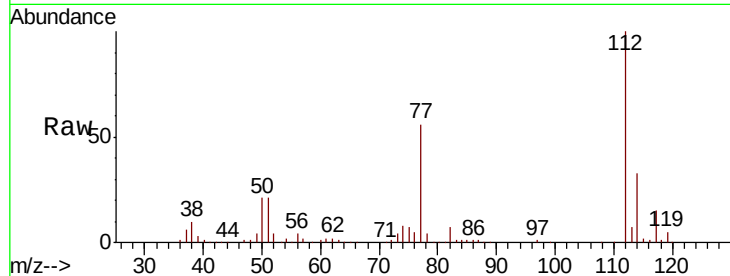




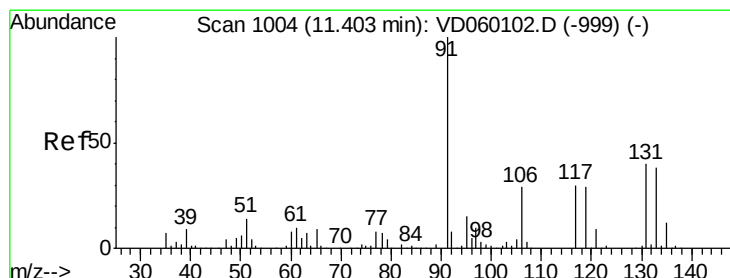
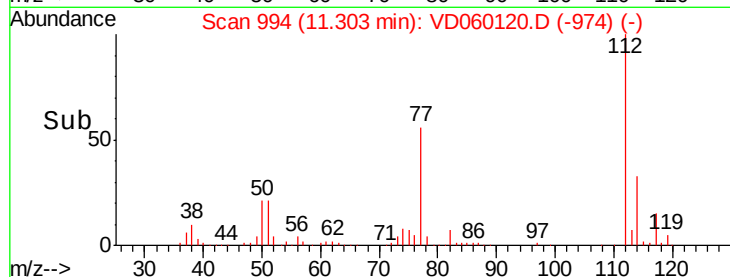
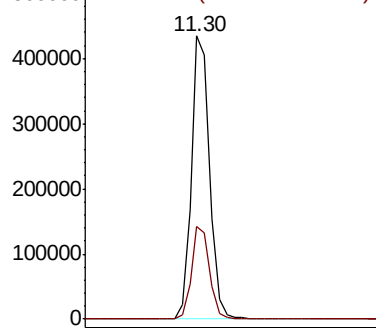
#65
Chlorobenzene
Concen: 20.991 ug/l
RT: 11.30 min Scan# 994
Delta R.T. -0.00 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

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

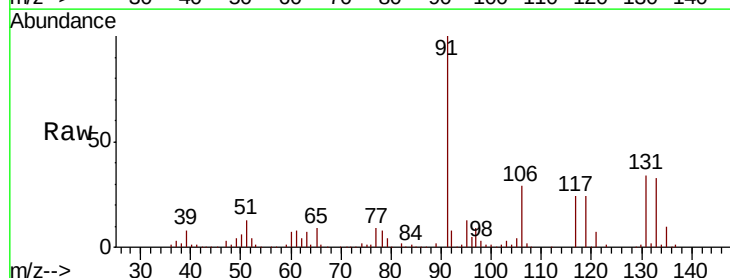


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

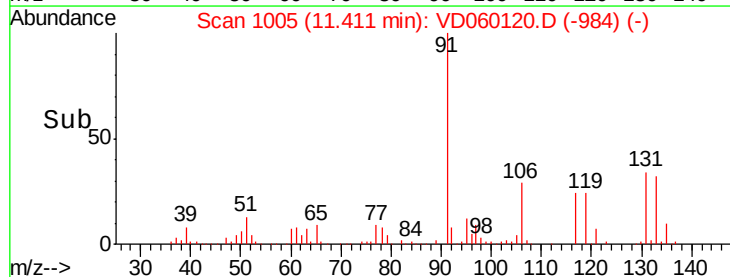
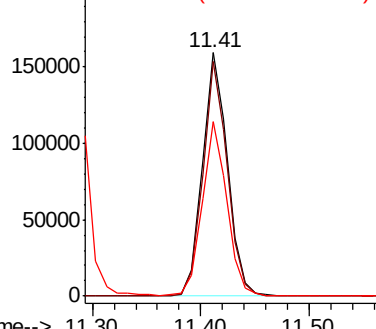


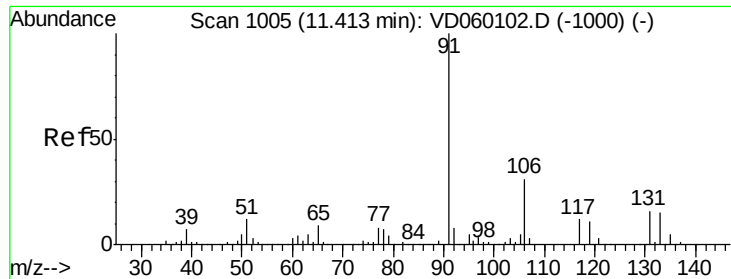
#66
1,1,1,2-Tetrachloroethane
Concen: 22.095 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

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



Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V

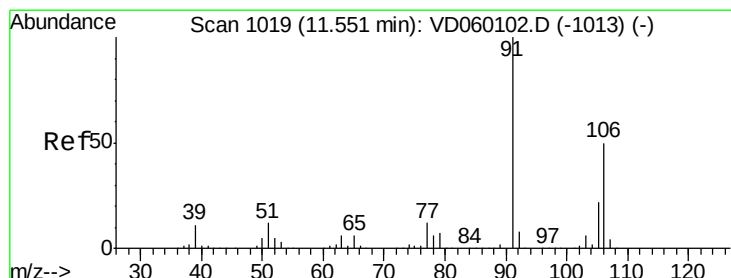
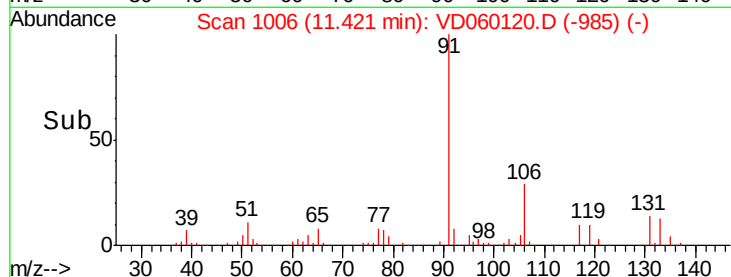
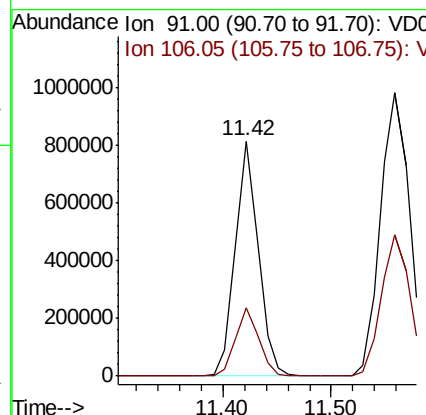
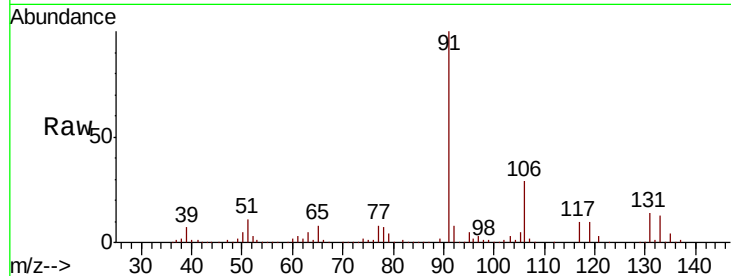




#67
Ethyl Benzene
Concen: 21.768 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

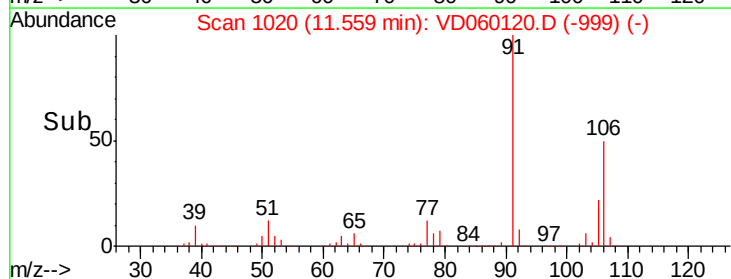
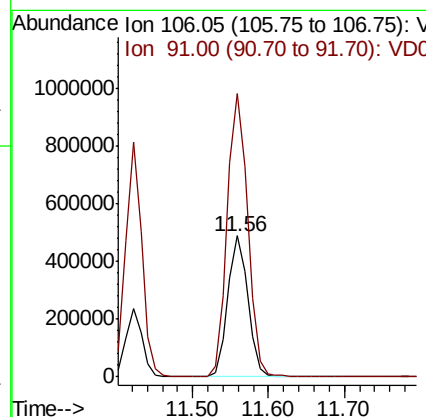
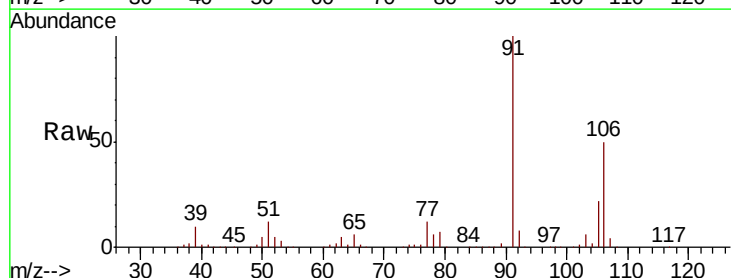
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

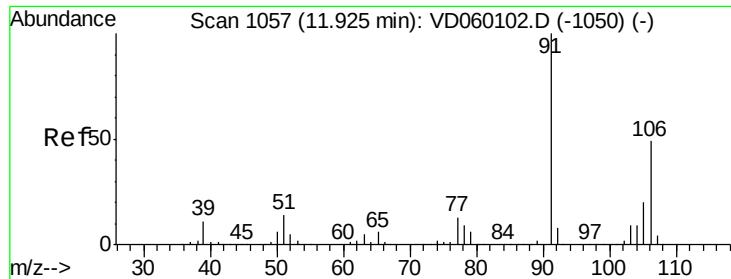
Tot Ion: 91 Resp: 1224519
Ion Ratio Lower Upper
91 100
106 29.3 24.4 36.6



#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

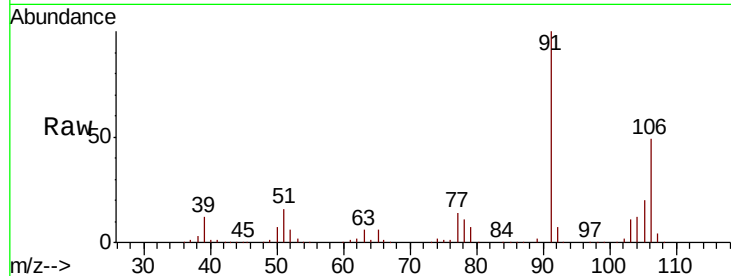




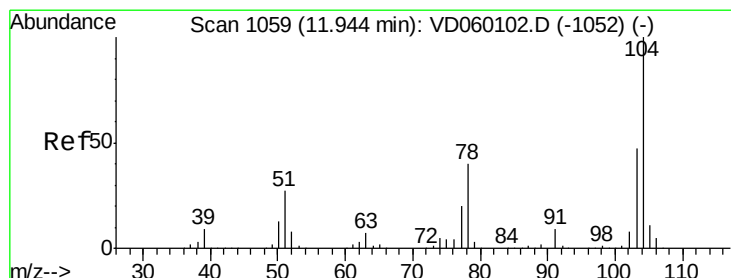
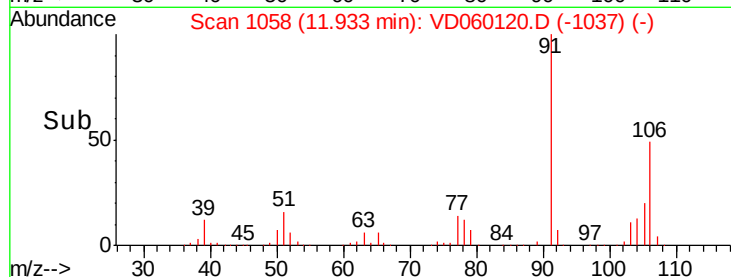
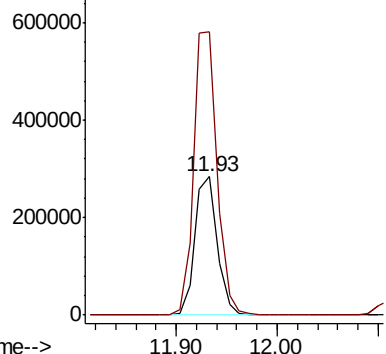
#69
o-Xylene
Concen: 21.161 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

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

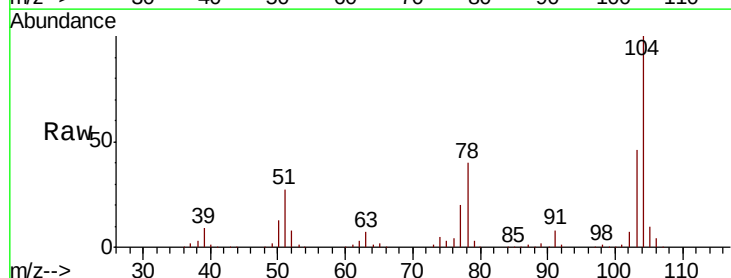


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

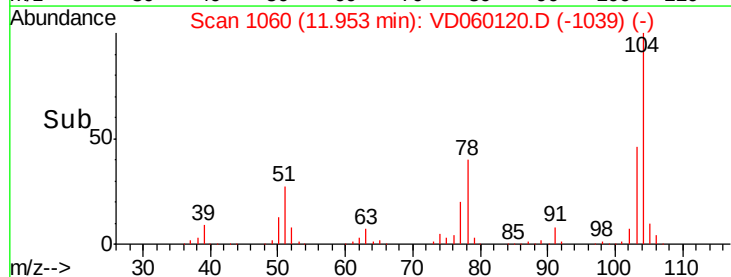
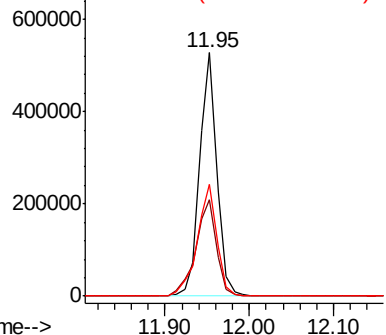


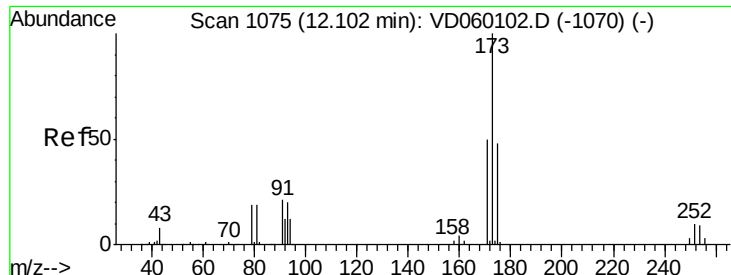
#70
Styrene
Concen: 21.442 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

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



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





#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

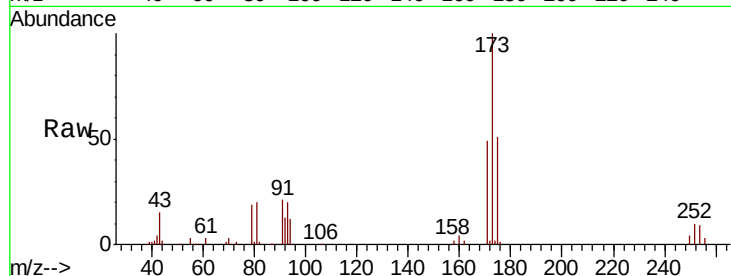
Tot Ion:173 Resp: 197235

Ion Ratio Lower Upper

173 100

175 50.5 24.1 72.4

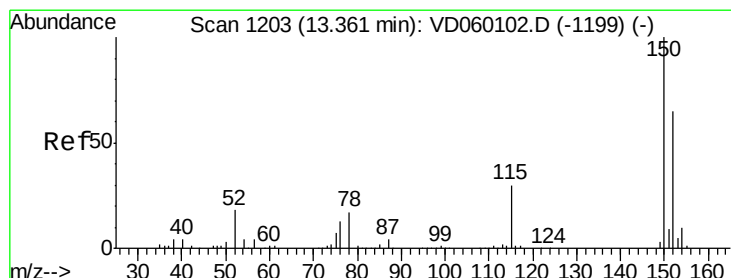
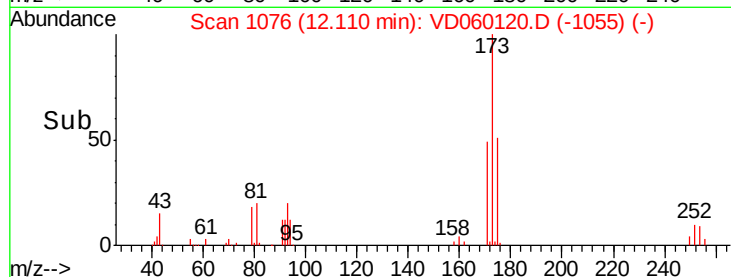
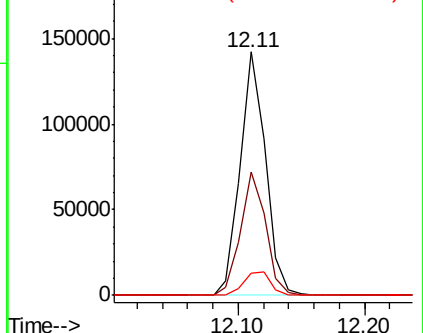
254 8.9 7.4 11.0



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

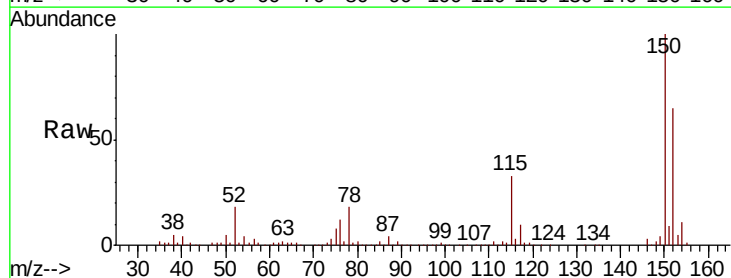
Tgt Ion:152 Resp: 888528

Ion Ratio Lower Upper

152 100

115 50.0 27.1 81.2

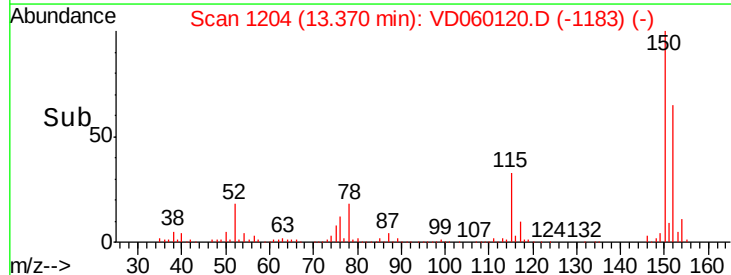
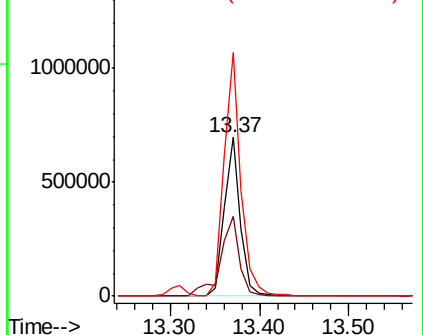
150 153.4 0.0 311.8

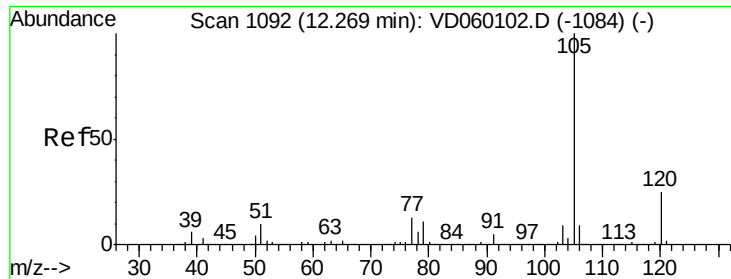


Abundance Ion 151.90 (151.60 to 152.60): V

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 :

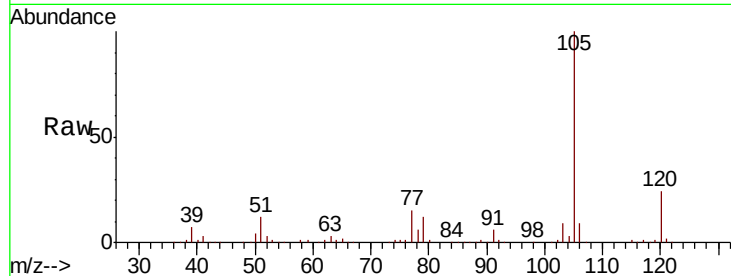
VD1003SBS01

Tot Ion:105 Resp: 1188111

Ion Ratio Lower Upper

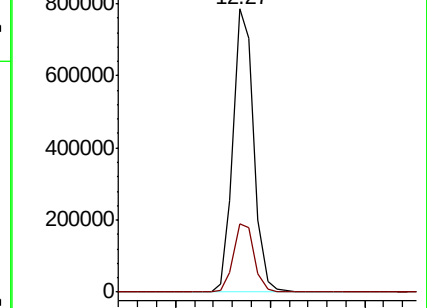
105 100

120 24.3 12.6 37.6

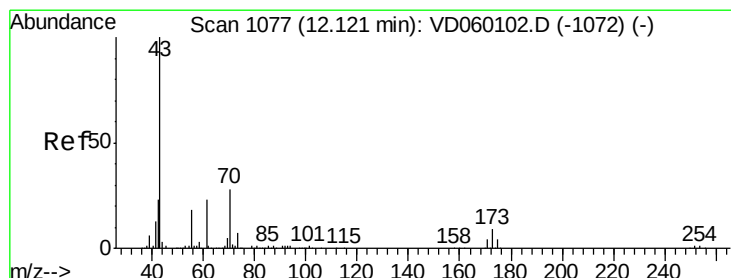
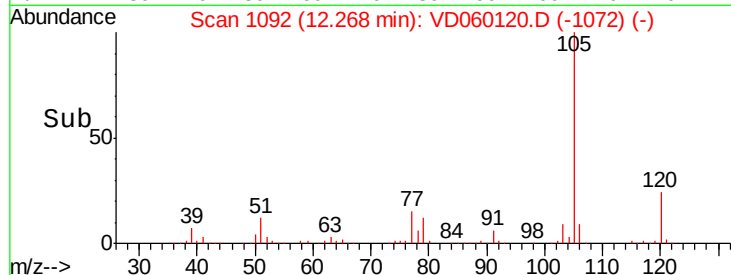


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#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

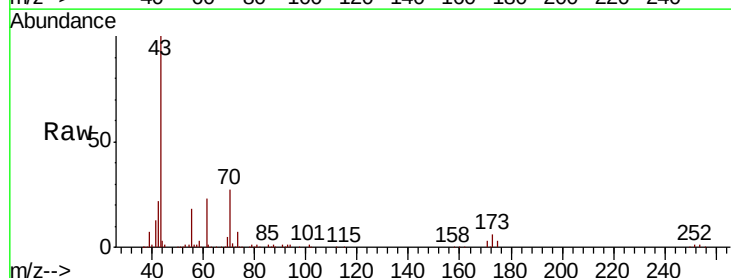
Ion Ratio Lower Upper

43 100

70 27.4 22.1 33.1

55 17.5 14.1 21.1

61 23.5 18.4 27.6

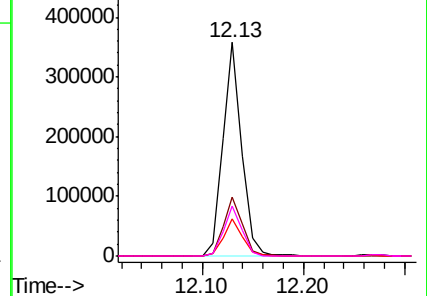


Abundance Ion 42.95 (42.65 to 43.65): VDC

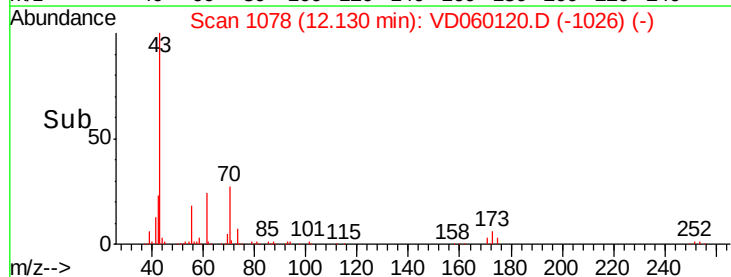
Ion 70.00 (69.70 to 70.70): VDC

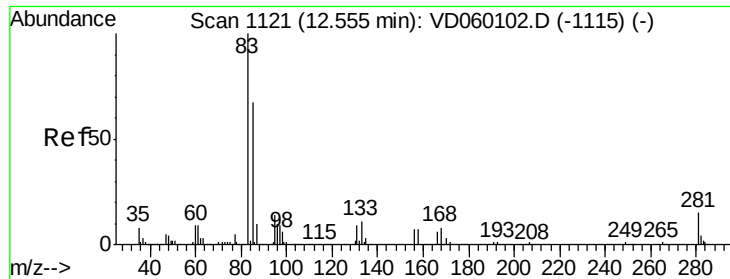
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time-->





#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

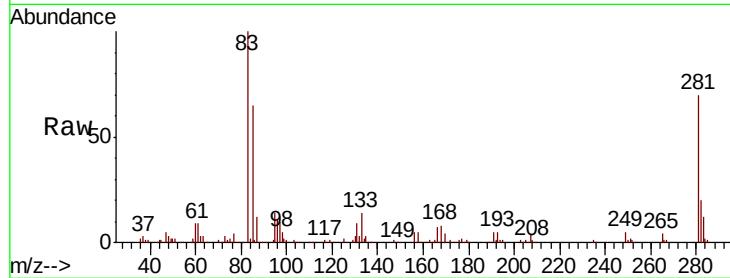
Tot Ion: 83 Resp: 278992

Ion Ratio Lower Upper

83 100

131 9.3 4.5 13.4

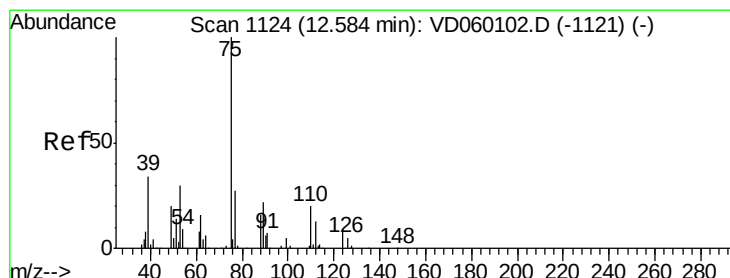
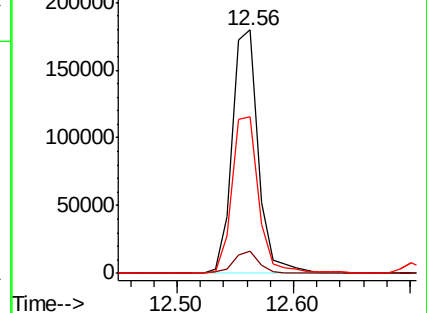
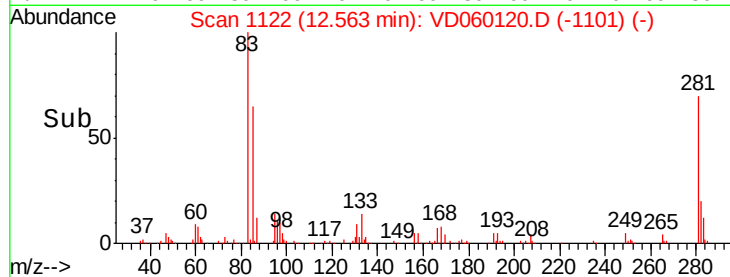
85 64.6 33.3 99.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.154 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060120.D

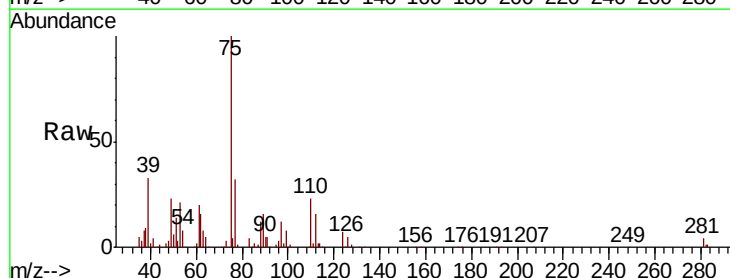
Acq: 3 Oct 2018 16:12

Tgt Ion: 75 Resp: 283474

Ion Ratio Lower Upper

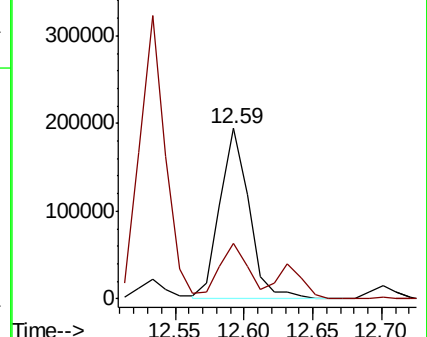
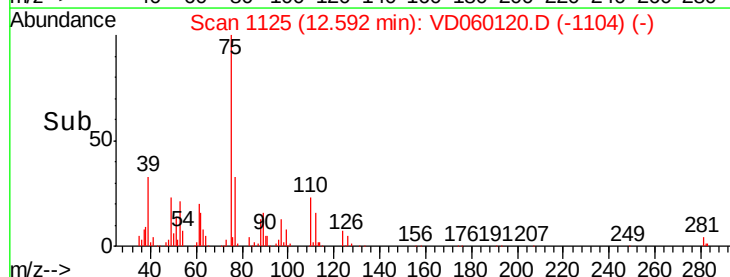
75 100

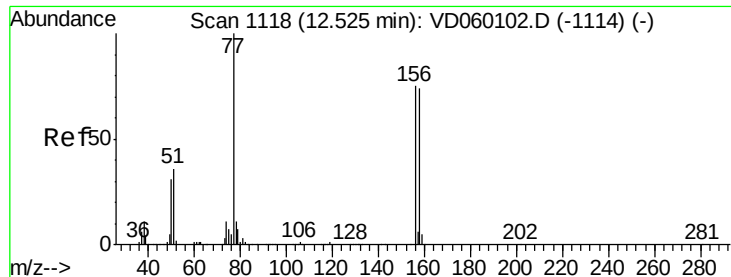
77 32.4 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

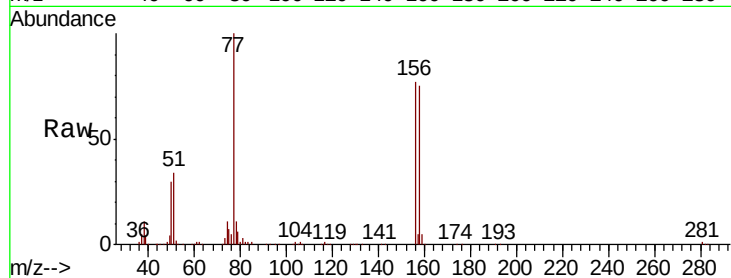




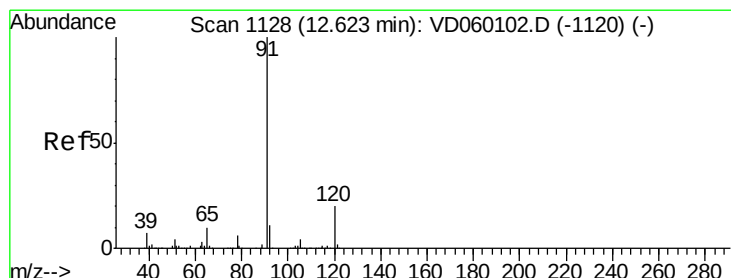
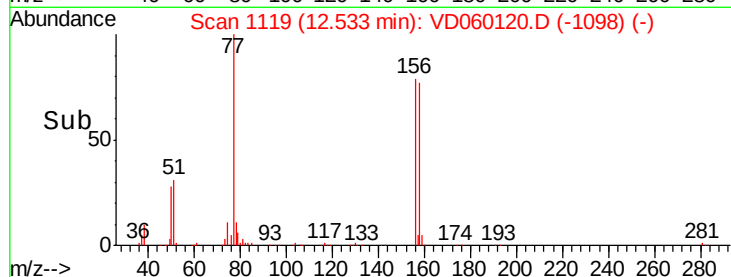
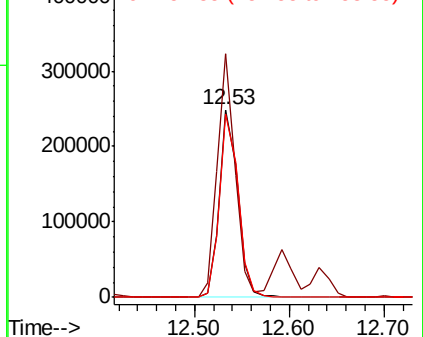
#77
Bromobenzene
Concen: 19.800 ug/l
RT: 12.53 min Scan# 1119
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion:156 Resp: 337273
Ion Ratio Lower Upper
156 100
77 130.0 66.9 200.7
158 98.1 49.1 147.4

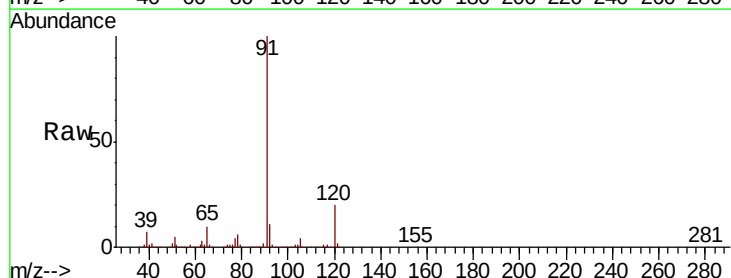


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

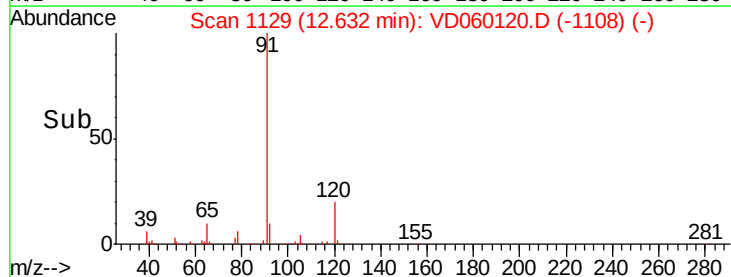
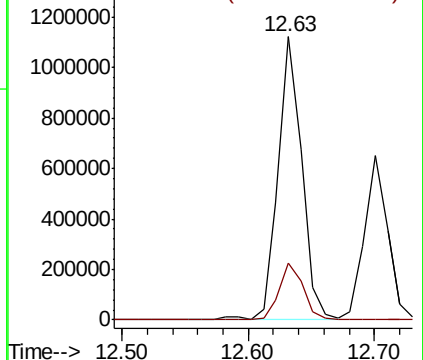


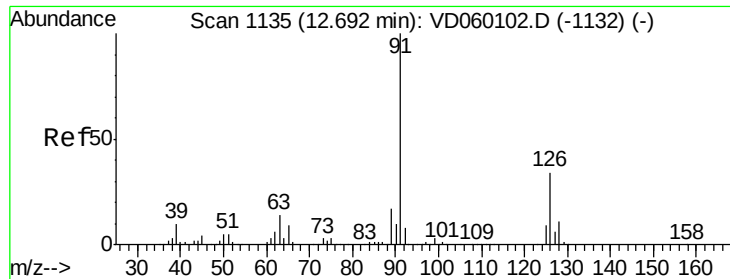
#78
n-propylbenzene
Concen: 20.157 ug/l
RT: 12.63 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Tgt Ion: 91 Resp: 1467122
Ion Ratio Lower Upper
91 100
120 20.1 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V





#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 :

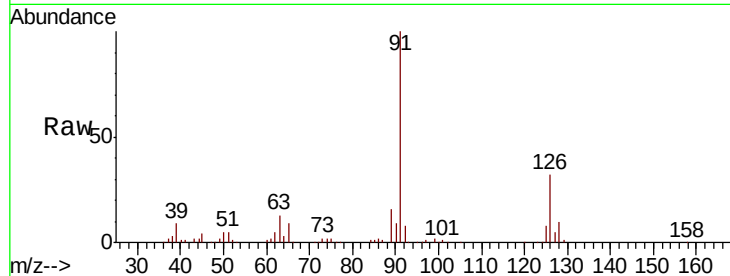
VD1003SBS01

Tot Ion: 91 Resp: 821845

Ion Ratio Lower Upper

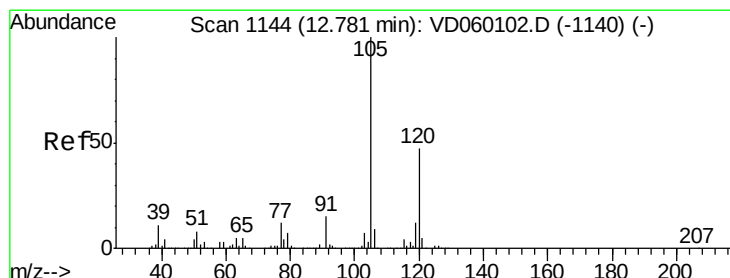
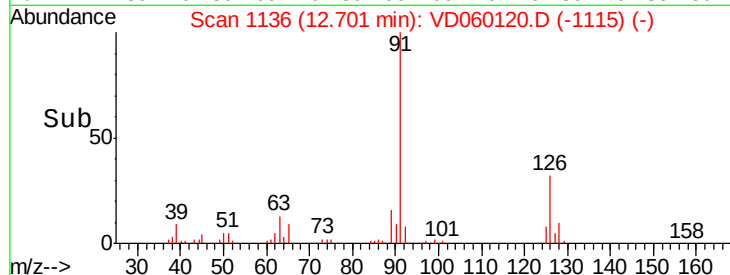
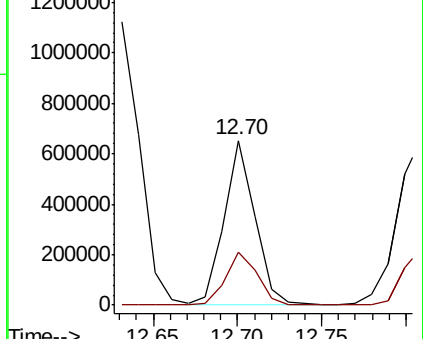
91 100

126 32.5 16.8 50.3



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

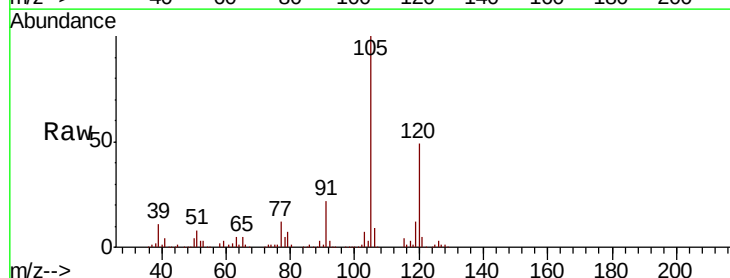
Acq: 3 Oct 2018 16:12

Tgt Ion: 105 Resp: 947106

Ion Ratio Lower Upper

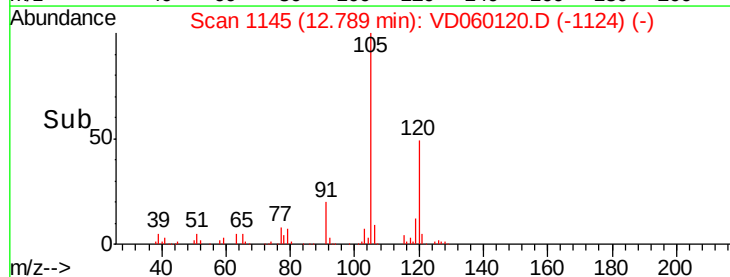
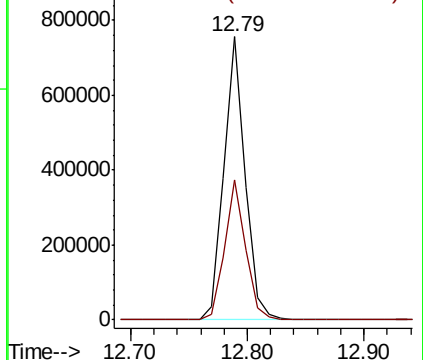
105 100

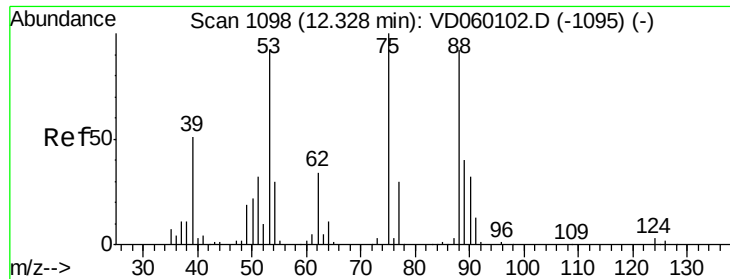
120 49.4 23.7 71.1



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

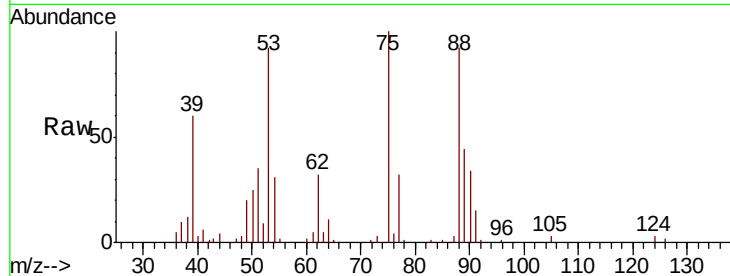
Tot Ion: 75 Resp: 76412

Ion Ratio Lower Upper

75 100

53 91.8 73.0 109.6

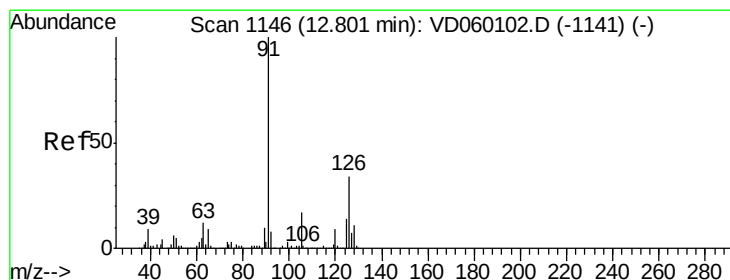
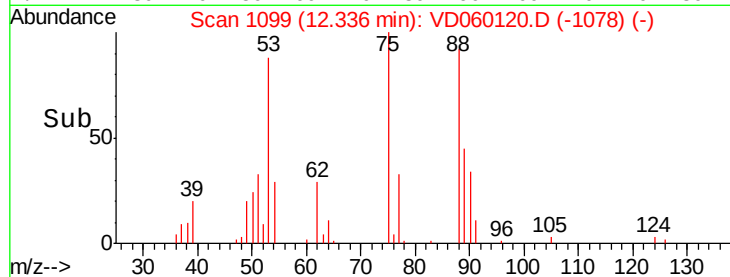
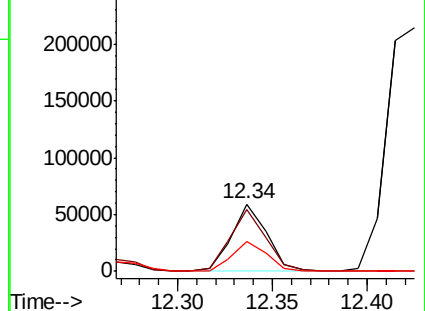
89 44.3 32.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.273 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060120.D

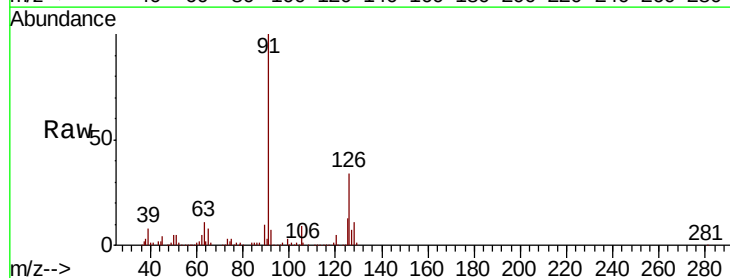
Acq: 3 Oct 2018 16:12

Tgt Ion: 91 Resp: 972007

Ion Ratio Lower Upper

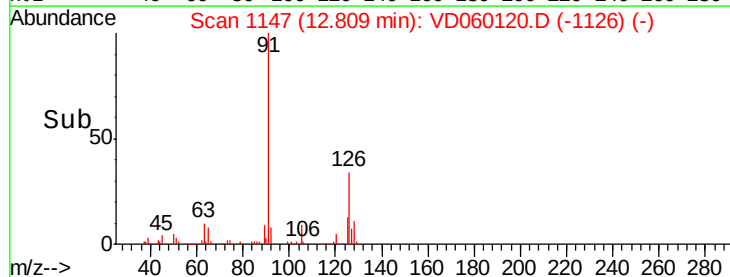
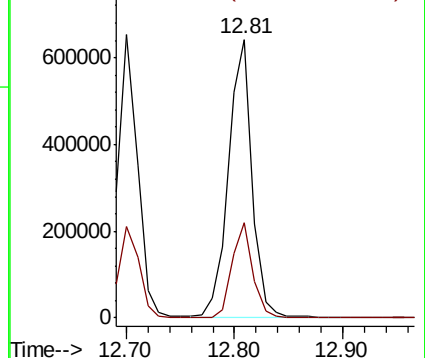
91 100

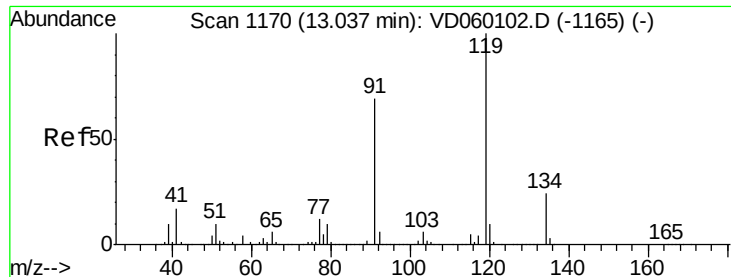
126 34.1 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

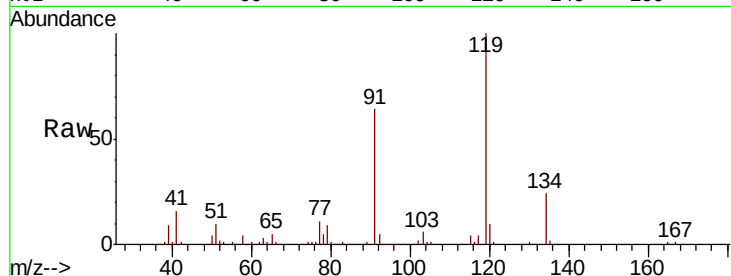




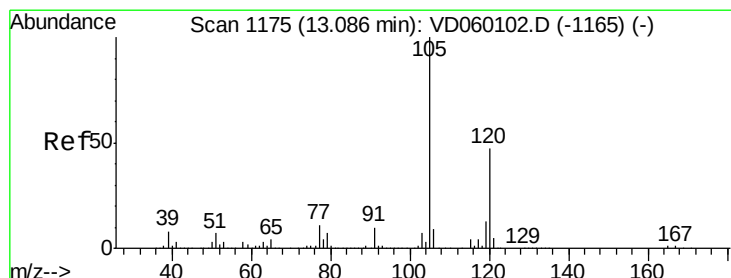
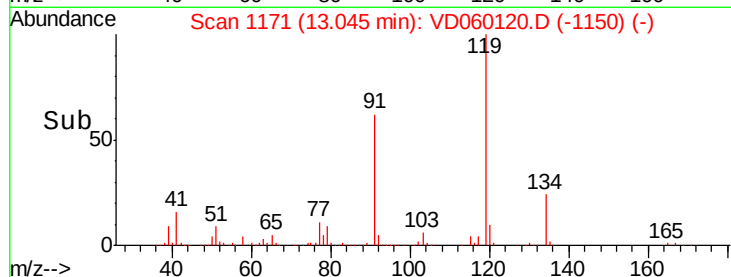
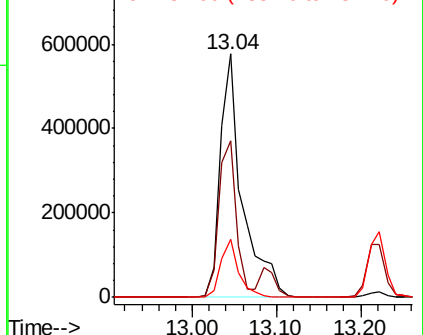
#83
 tert-Butylbenzene
 Concen: 20.167 ug/l
 RT: 13.04 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

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

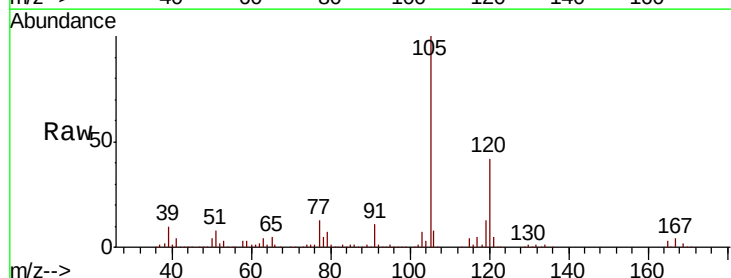


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): VD
 Ion 134.00 (133.70 to 134.70): V

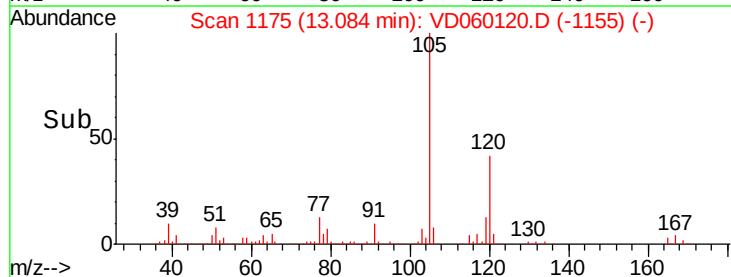
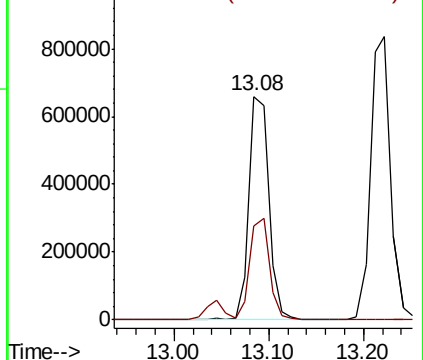


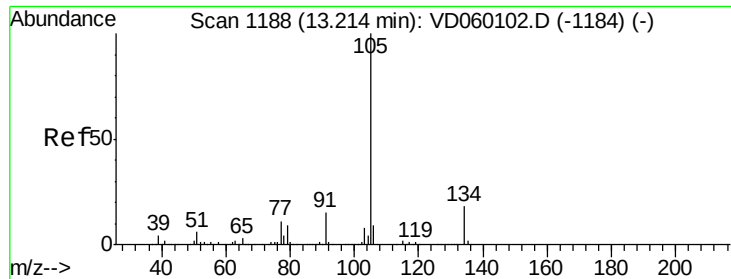
#84
 1,2,4-Trimethylbenzene
 Concen: 20.154 ug/l
 RT: 13.08 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

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

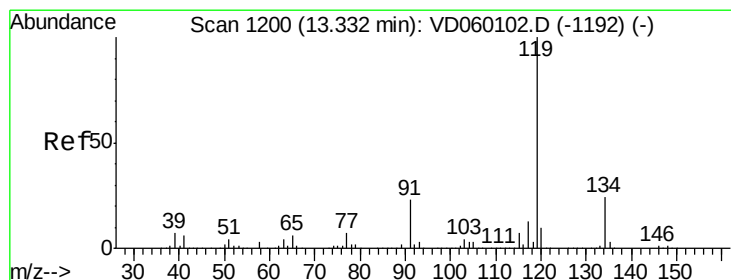
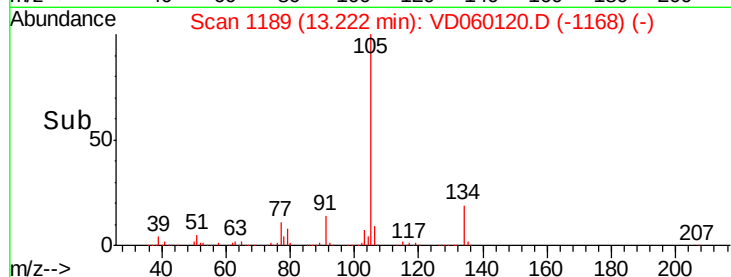
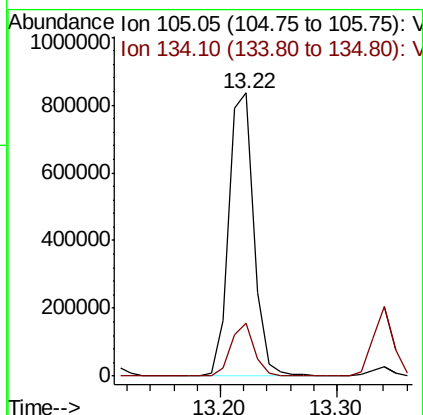
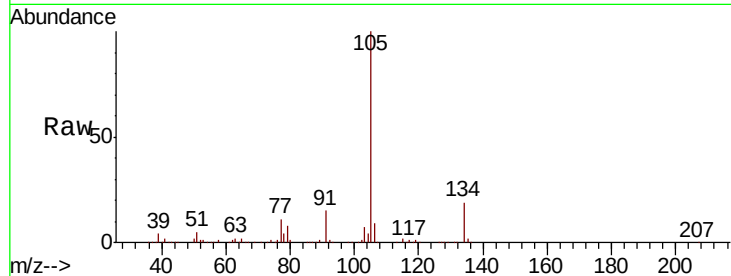




#85
 sec-Butylbenzene
 Concen: 20.087 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

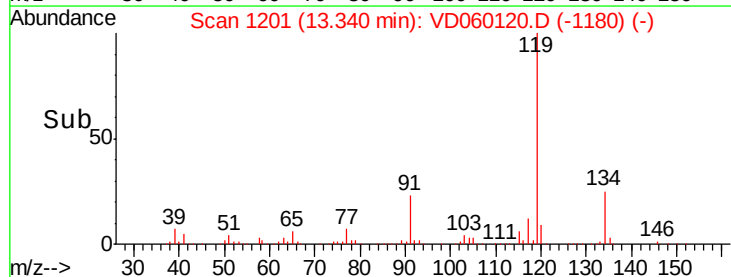
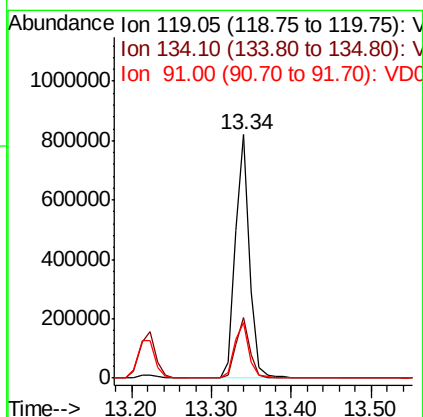
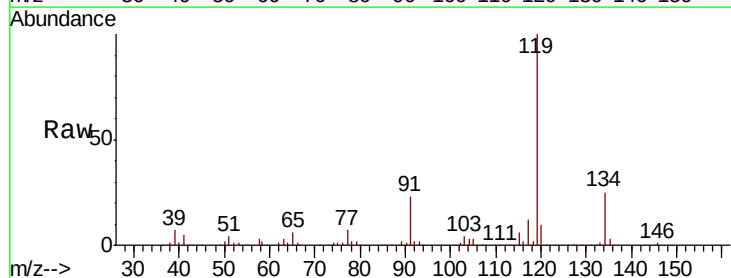
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

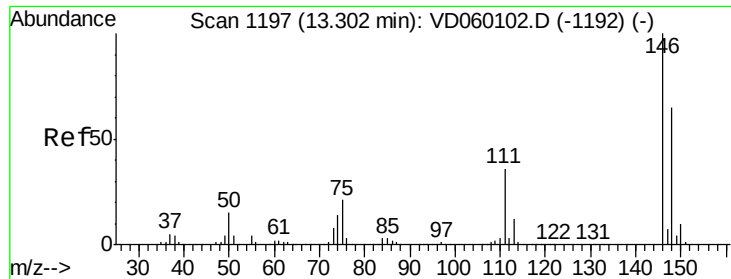
Tot Ion:105 Resp: 1236457
 Ion Ratio Lower Upper
 105 100
 134 18.7 8.8 26.2



#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

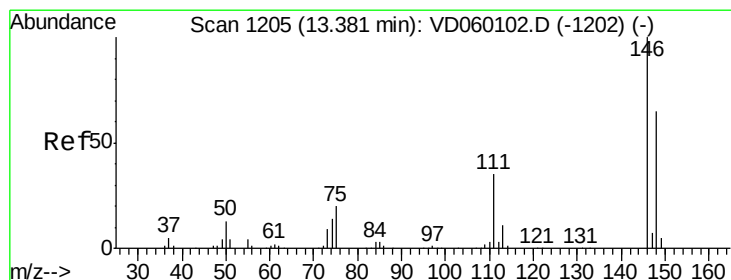
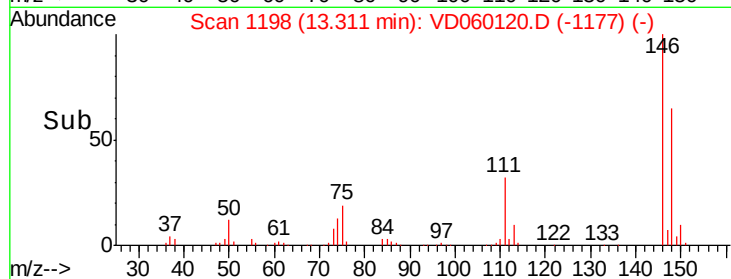
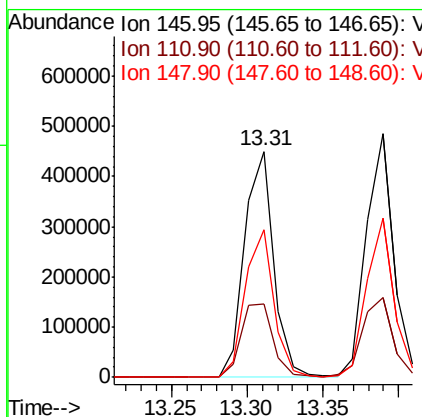
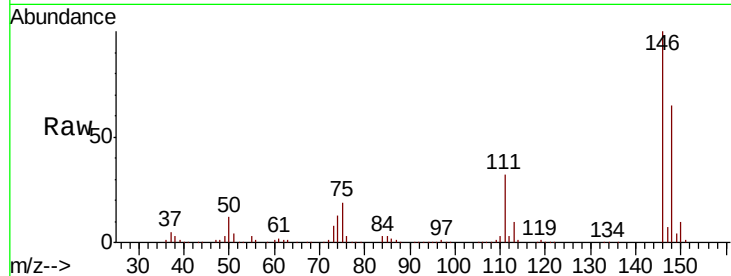




#87
 1,3-Dichlorobenzene
 Concen: 20.357 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

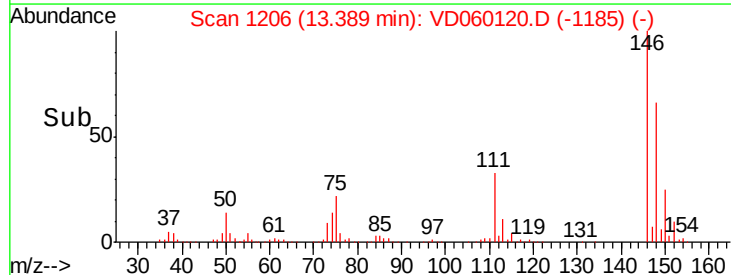
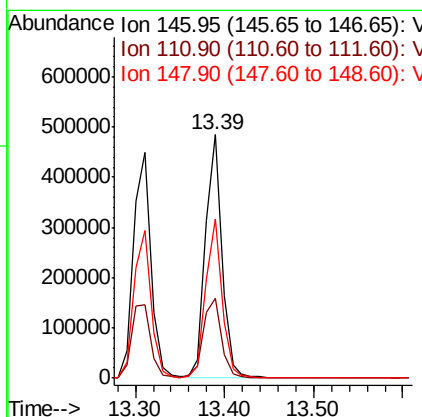
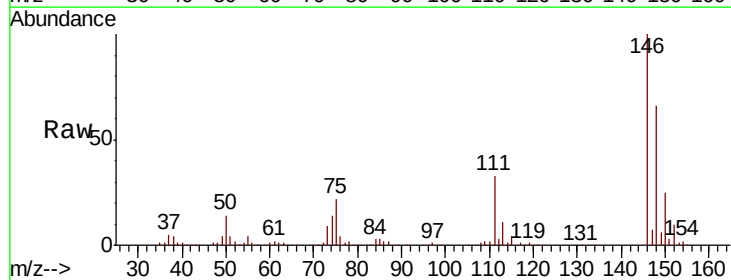
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

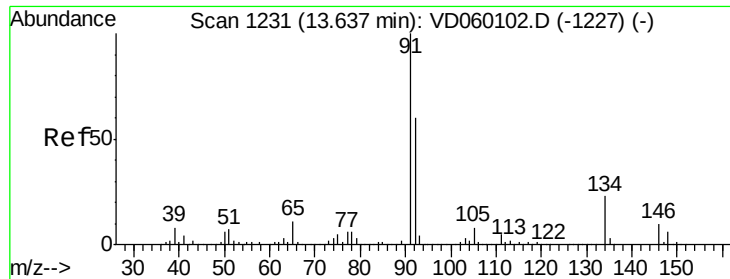
Tot Ion:146 Resp: 604151
 Ion Ratio Lower Upper
 146 100
 111 32.3 18.1 54.3
 148 65.3 32.3 96.9



#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:146 Resp: 615876
 Ion Ratio Lower Upper
 146 100
 111 33.0 17.8 53.3
 148 65.6 32.4 97.2

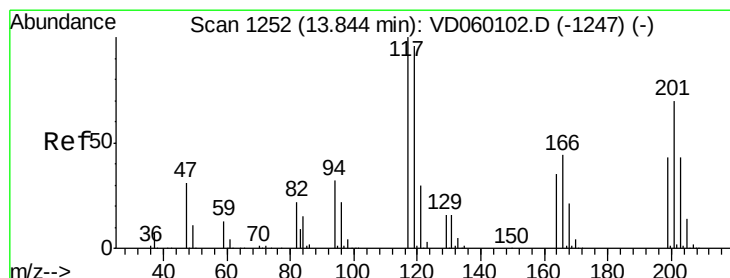
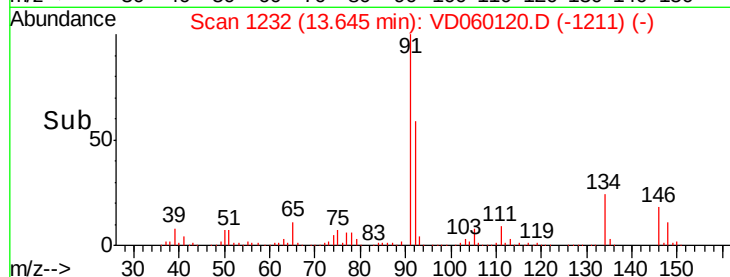
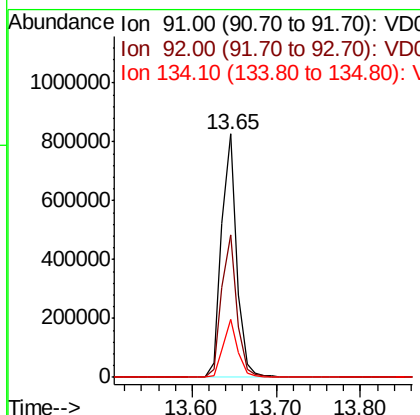
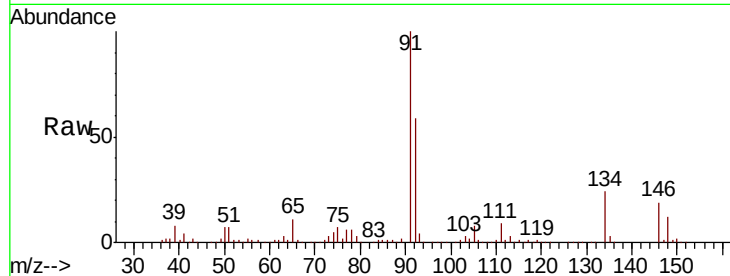




#89
n-Butylbenzene
Concen: 21.144 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

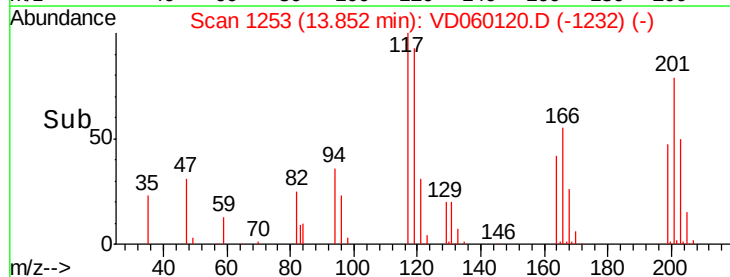
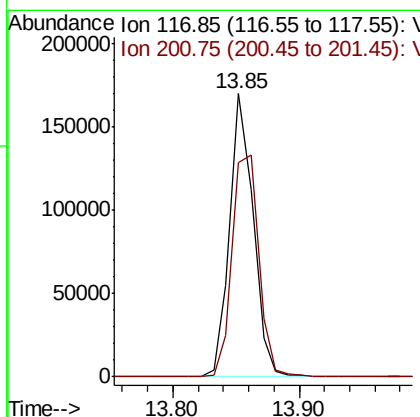
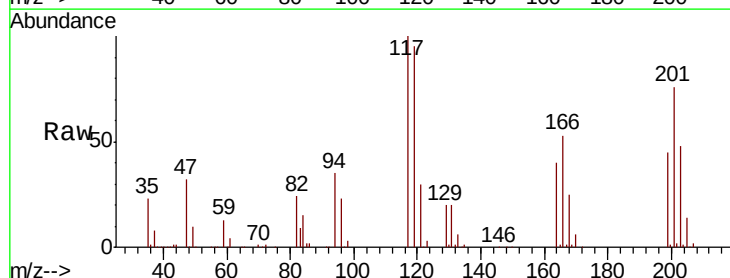
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

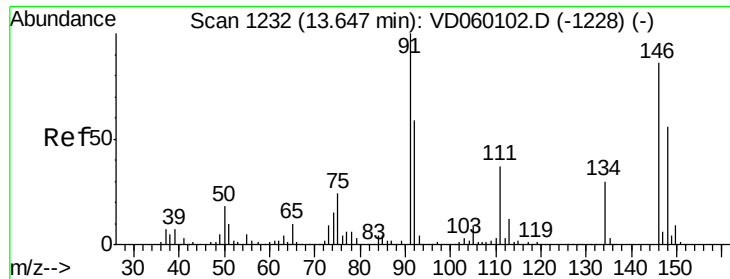
Tot Ion: 91 Resp: 1041631
Ion Ratio Lower Upper
91 100
92 58.8 30.1 90.3
134 23.8 11.6 34.7



#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

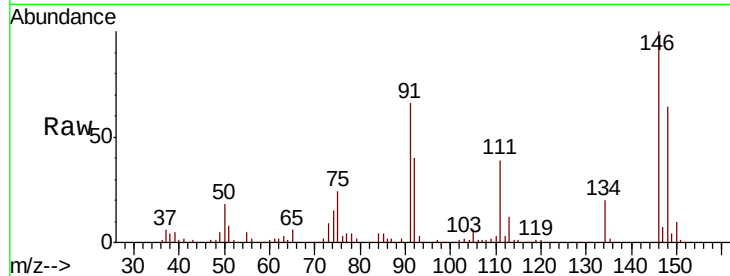




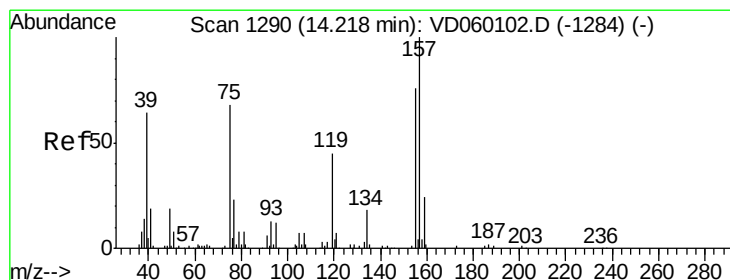
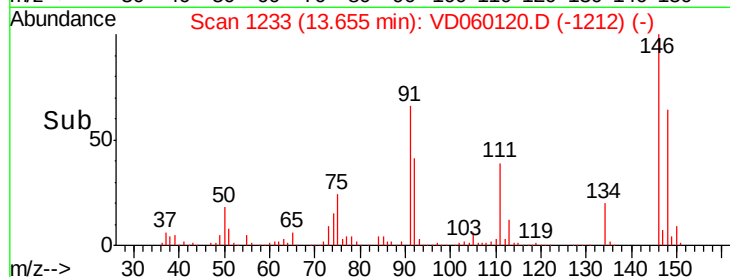
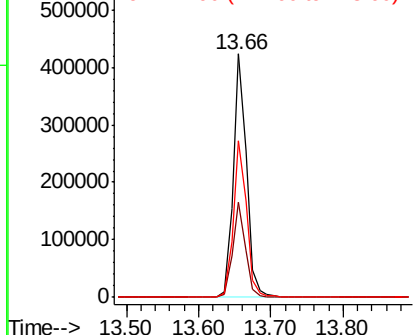
#91
 1,2-Dichlorobenzene
 Concen: 21.597 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion:146 Resp: 538936
 Ion Ratio Lower Upper
 146 100
 111 39.0 21.4 64.3
 148 64.1 32.2 96.6

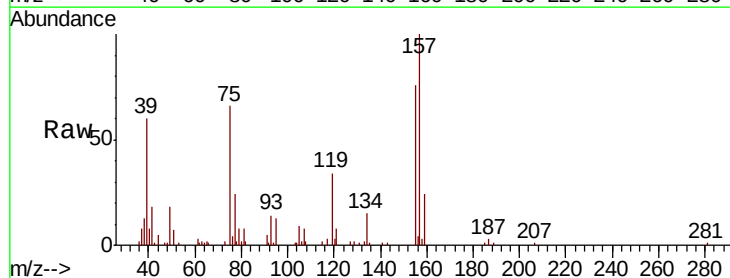


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

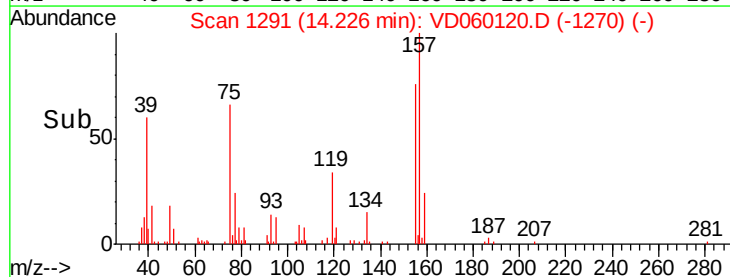
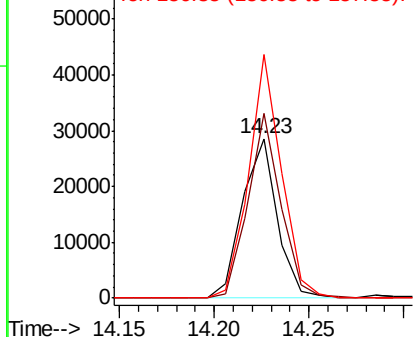


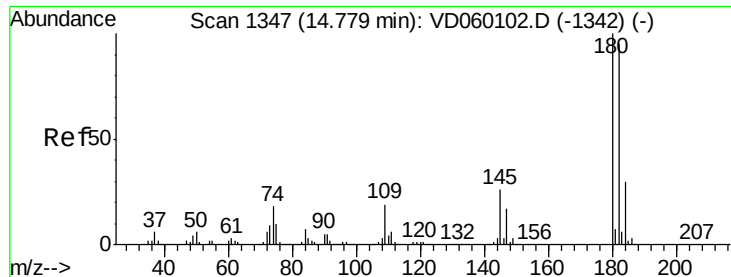
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.355 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060120.D
 Acq: 3 Oct 2018 16:12

Tgt Ion: 75 Resp: 36489
 Ion Ratio Lower Upper
 75 100
 155 115.4 55.9 167.7
 157 152.6 73.3 219.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

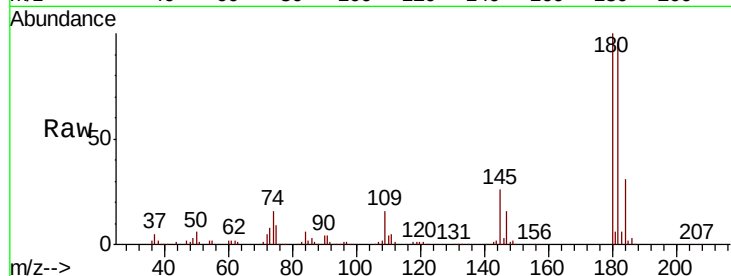




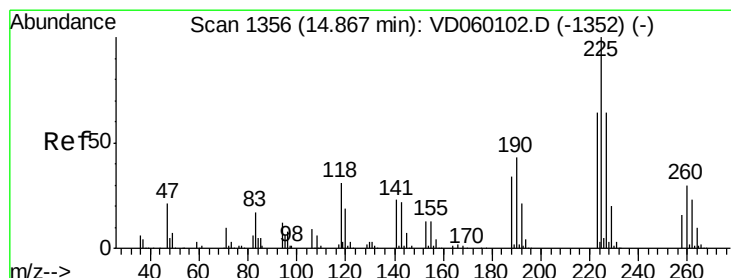
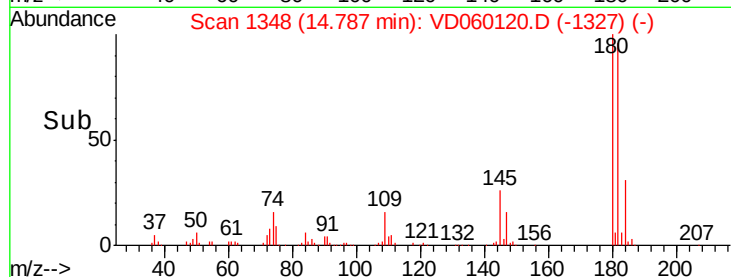
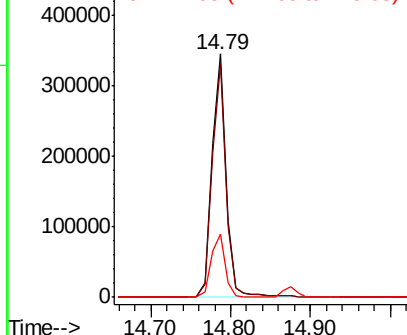
#93
1,2,4-Trichlorobenzene
Concen: 20.452 ug/l
RT: 14.79 min Scan# 1348
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

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

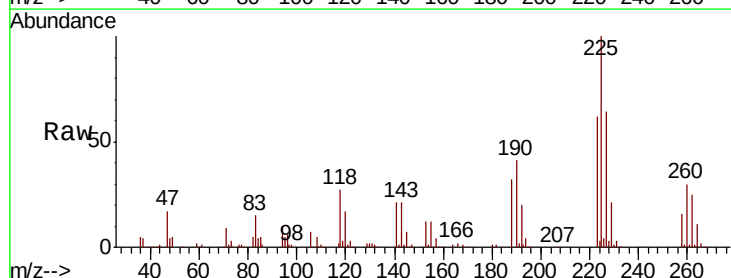


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

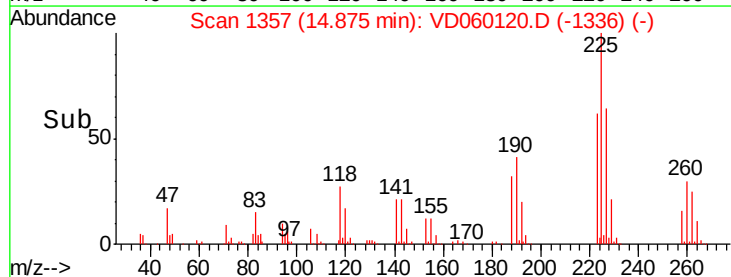
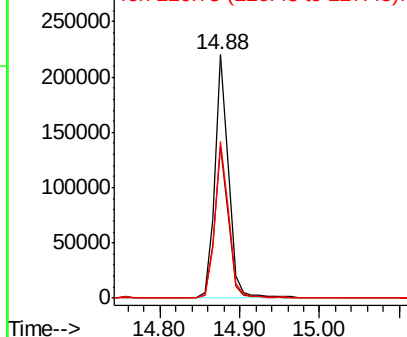


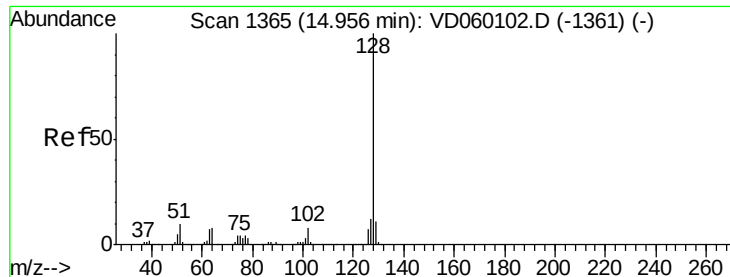
#94
Hexachlorobutadiene
Concen: 19.213 ug/l
RT: 14.88 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

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



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

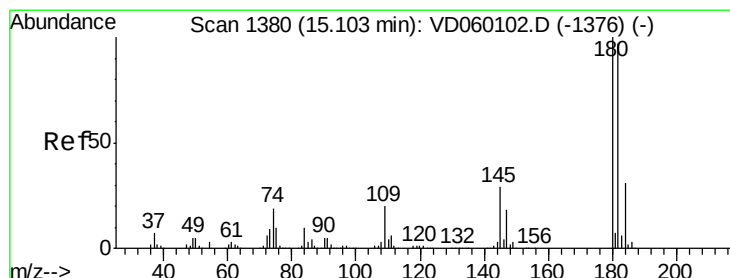
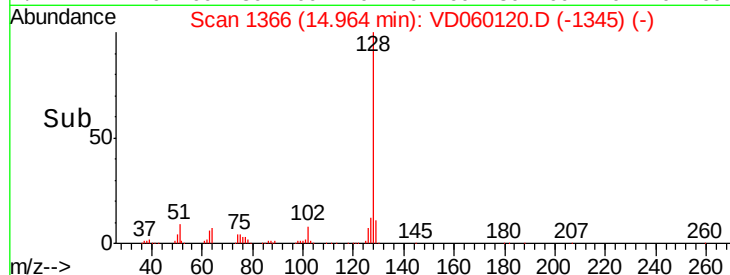
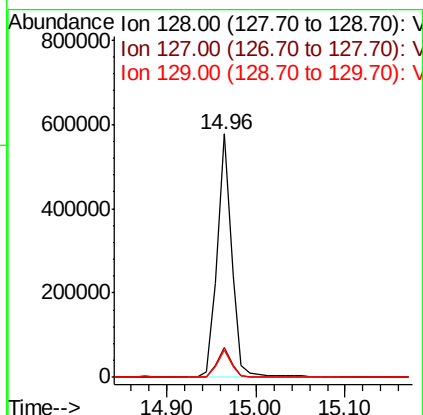
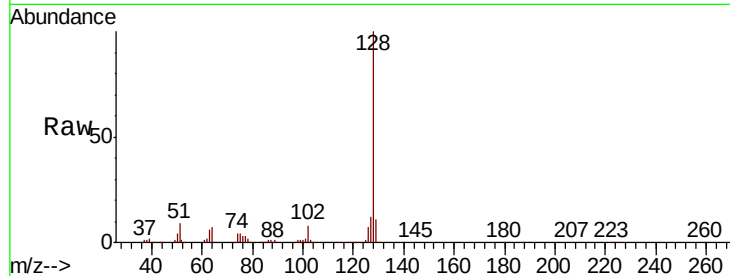




#95
Naphthalene
Concen: 21.072 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060120.D
Acq: 3 Oct 2018 16:12

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion:128 Resp: 661585
Ion Ratio Lower Upper
128 100
127 12.1 9.9 14.9
129 11.2 8.8 13.2



#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:180 Resp: 379651
Ion Ratio Lower Upper
180 100
182 96.2 48.4 145.0
145 25.8 14.5 43.6

