

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100318\
 Data File : VD060121.D
 Acq On : 3 Oct 2018 16:40
 Operator : VA/AP
 Sample : VD1003SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Quant Time: Oct 04 04:30:12 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	1558864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2137673	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1748751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	910091	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	634763	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
35) Dibromofluoromethane	6.30	113	878328	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	
50) Toluene-d8	9.44	98	2424290	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.43	95	921922	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	284184	19.380	ug/l	99
3) Chloromethane	1.75	50	284196	21.493	ug/l	97
4) Vinyl Chloride	1.84	62	213438	19.724	ug/l	96
5) Bromomethane	2.12	94	18000	13.248	ug/l	93
6) Chloroethane	2.23	64	48558	16.444	ug/l	99
7) Trichlorofluoromethane	2.49	101	239925	18.517	ug/l	98
8) Diethyl Ether	2.81	74	54465	20.442	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.07	101	163569	20.264	ug/l	96
10) Methyl Iodide	3.22	142	137221	16.030	ug/l	96
11) Tert butyl alcohol	3.96	59	91274	107.703	ug/l	97
12) 1,1-Dichloroethene	3.05	96	129381	20.346	ug/l	98
13) Acrolein	2.97	56	53345	102.113	ug/l	97
14) Allyl chloride	3.51	41	271369	20.547	ug/l	98
15) Acrylonitrile	4.07	53	375802	107.135	ug/l	98
16) Acetone	3.15	43	262612	122.479	ug/l	98
17) Carbon Disulfide	3.29	76	428136	20.021	ug/l	100
18) Methyl Acetate	3.54	43	93101	20.202	ug/l	96
19) Methyl tert-butyl Ether	4.11	73	598623	21.411	ug/l	98
20) Methylene Chloride	3.70	84	511170	28.433	ug/l	99
21) trans-1,2-Dichloroethene	4.07	96	338816	20.630	ug/l	98
22) Diisopropyl ether	4.84	45	1259503	21.354	ug/l	96
23) Vinyl Acetate	4.79	43	3675507	110.862	ug/l	99
24) 1,1-Dichloroethane	4.73	63	560117	20.944	ug/l	99
25) 2-Butanone	5.61	43	646051	120.609	ug/l	99
26) 2,2-Dichloropropane	5.57	77	439154	21.661	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	368201	21.160	ug/l	95
28) Bromochloromethane	5.91	49	265224	20.409	ug/l	95
29) Tetrahydrofuran	5.94	42	340728	109.511	ug/l	100
30) Chloroform	6.09	83	579831	21.434	ug/l	99
31) Cyclohexane	6.35	56	524403	20.484	ug/l	99
32) 1,1,1-Trichloroethane	6.28	97	468122	21.122	ug/l	99
36) 1,1-Dichloropropene	6.51	75	434268	21.259	ug/l	98
37) Ethyl Acetate	5.68	43	287142	21.177	ug/l	99
38) Carbon Tetrachloride	6.48	117	386521	20.848	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100318\
 Data File : VD060121.D
 Acq On : 3 Oct 2018 16:40
 Operator : VA/AP
 Sample : VD1003SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1003SBS01

Quant Time: Oct 04 04:30:12 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)
39) Methylcyclohexane	8.03	83	494135	21.290	ug/l	99
40) Benzene	6.78	78	1109814	20.767	ug/l	99
41) Methacrylonitrile	5.93	41	340959	44.490	ug/l #	92
42) 1,2-Dichloroethane	6.88	62	325372	21.236	ug/l	97
43) Isopropyl Acetate	8.34	43	388128	21.758	ug/l	98
44) Trichloroethene	7.73	130	348278	21.053	ug/l	96
45) 1,2-Dichloropropane	8.09	63	294992	21.081	ug/l	98
46) Dibromomethane	8.20	93	193605	21.370	ug/l	97
47) Bromodichloromethane	8.48	83	409745	21.227	ug/l	99
48) Methyl methacrylate	8.23	41	223234	21.970	ug/l	98
49) 1,4-Dioxane	8.21	88	46224	462.355	ug/l	97
51) 4-Methyl-2-Pentanone	9.34	43	1255456	111.585	ug/l	98
52) Toluene	9.54	92	727552	21.139	ug/l	97
53) t-1,3-Dichloropropene	9.91	75	370332	21.203	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	456259	21.154	ug/l	97
55) 1,1,2-Trichloroethane	10.17	97	241753	21.486	ug/l	98
56) Ethyl methacrylate	10.02	69	277331	22.329	ug/l	98
57) 1,3-Dichloropropane	10.38	76	365404	21.294	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.91	63	794890	115.250	ug/l	98
59) 2-Hexanone	10.48	43	959231	118.564	ug/l	98
60) Dibromochloromethane	10.63	129	286232	20.734	ug/l	95
61) 1,2-Dibromoethane	10.75	107	252903	21.154	ug/l	99
64) Tetrachloroethene	10.24	164	317096	20.703	ug/l	99
65) Chlorobenzene	11.30	112	786052	20.778	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	273618	21.680	ug/l	99
67) Ethyl Benzene	11.42	91	1362658	22.231	ug/l	100
68) m/p-Xylenes	11.56	106	1006124	43.932	ug/l	96
69) o-Xylene	11.93	106	489773	21.621	ug/l	97
70) Styrene	11.95	104	816910	21.564	ug/l	98
71) Bromoform	12.11	173	208904	20.441	ug/l	96
73) Isopropylbenzene	12.27	105	1320658	21.996	ug/l	98
74) N-amyl acetate	12.13	43	484580	22.034	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	284439	21.700	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	281914	21.510	ug/l	100
77) Bromobenzene	12.53	156	376506	21.580	ug/l	95
78) n-propylbenzene	12.63	91	1639994	21.998	ug/l	99
79) 2-Chlorotoluene	12.70	91	897441	21.689	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	1037847	22.334	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	79825	21.675	ug/l	97
82) 4-Chlorotoluene	12.81	91	1057846	22.603	ug/l	97
83) tert-Butylbenzene	13.05	119	1160522	21.763	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	1070753	21.863	ug/l	96
85) sec-Butylbenzene	13.21	105	1366030	21.666	ug/l	96
86) p-Isopropyltoluene	13.34	119	1110383	21.472	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	658003	21.646	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	654661	21.441	ug/l	97
89) n-Butylbenzene	13.65	91	1179774	23.380	ug/l	98
90) Hexachloroethane	13.85	117	247266	20.660	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	579702	22.681	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	38560	22.032	ug/l	82

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100318\
Data File : VD060121.D
Acq On : 3 Oct 2018 16:40
Operator : VA/AP
Sample : VD1003SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

Quant Time: Oct 04 04:30:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

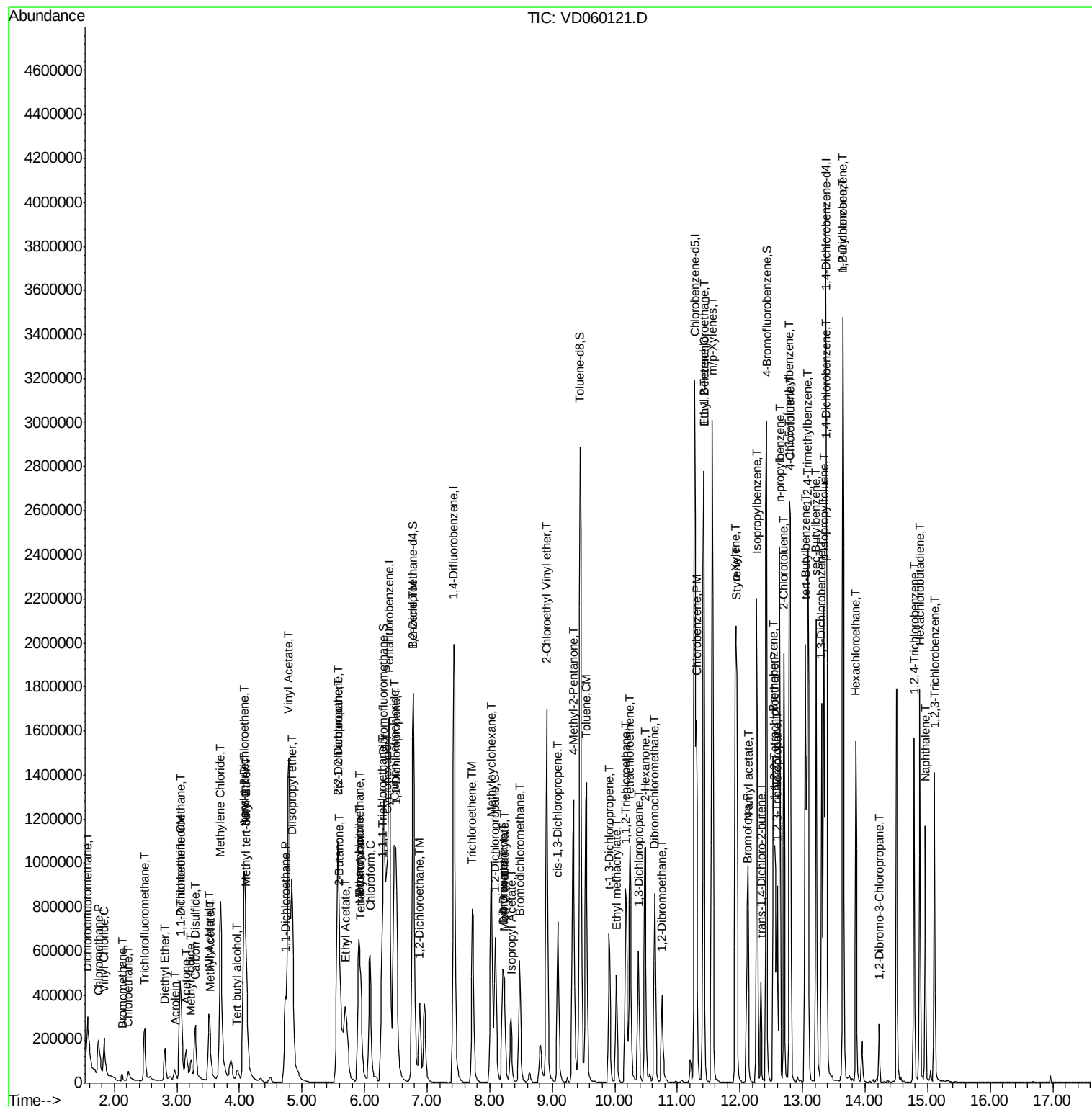
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	473066	21.806	ug/l	96
94) Hexachlorobutadiene	14.88	225	300393	20.831	ug/l	99
95) Naphthalene	14.96	128	669716	20.826	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	403764	21.395	ug/l	97

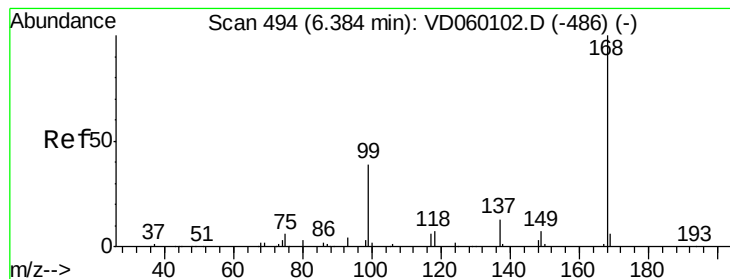
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100318\
Data File : VD060121.D
Acq On : 3 Oct 2018 16:40
Operator : VA/AP
Sample : VD1003SBSD01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
Client Sample ID :
VD1003SBSD01

Quant Time: Oct 04 04:30:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

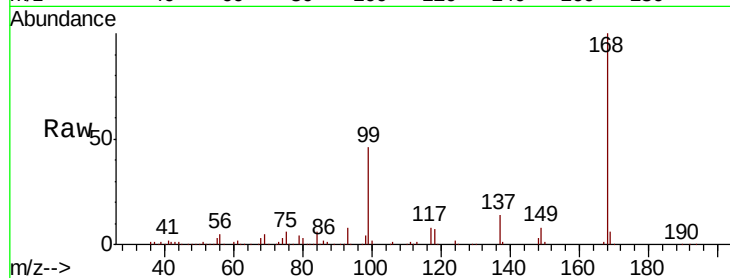
VD1003SBSD01

Tot Ion:168 Resp: 1558864

Ion Ratio Lower Upper

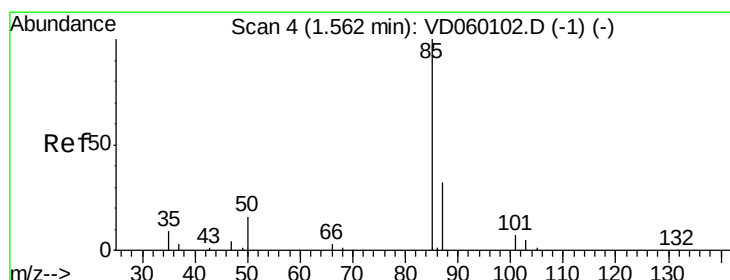
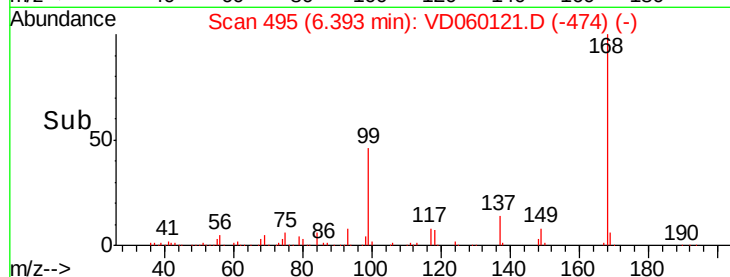
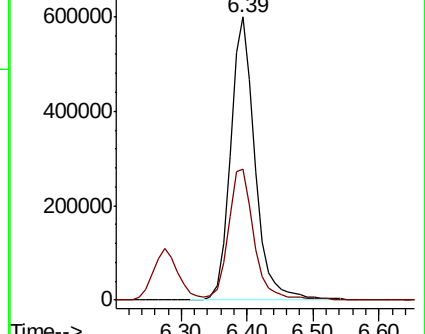
168 100

99 46.1 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.380 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060121.D

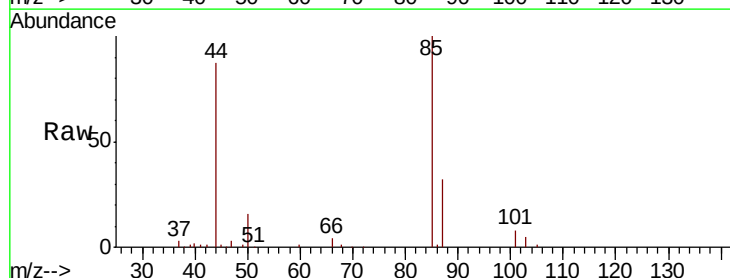
Acq: 3 Oct 2018 16:40

Tgt Ion: 85 Resp: 284184

Ion Ratio Lower Upper

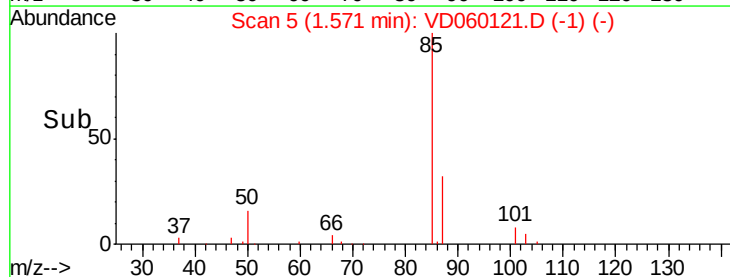
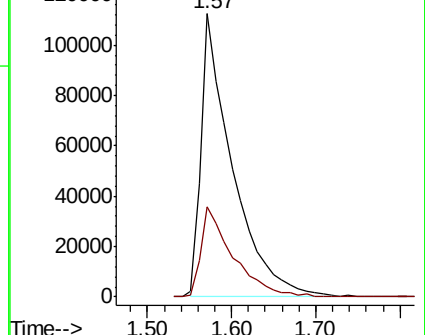
85 100

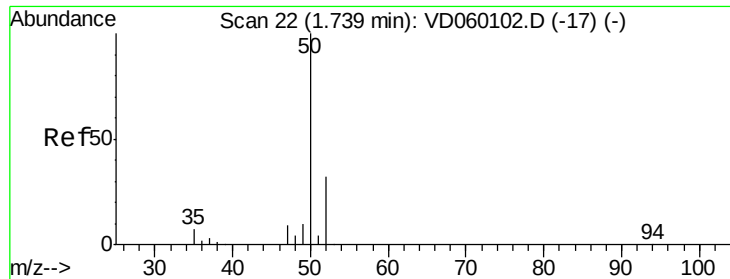
87 32.0 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.493 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

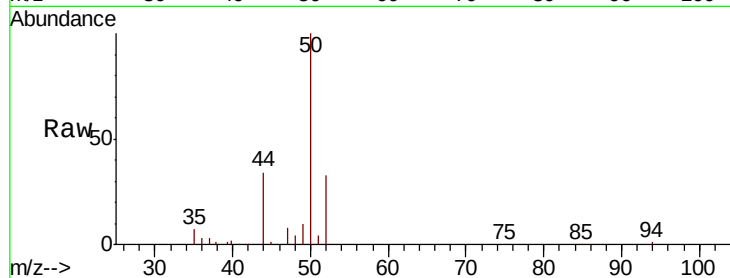
VD1003SBSD01

Tot Ion: 50 Resp: 284196

Ion Ratio Lower Upper

50 100

52 33.2 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

100000

80000

60000

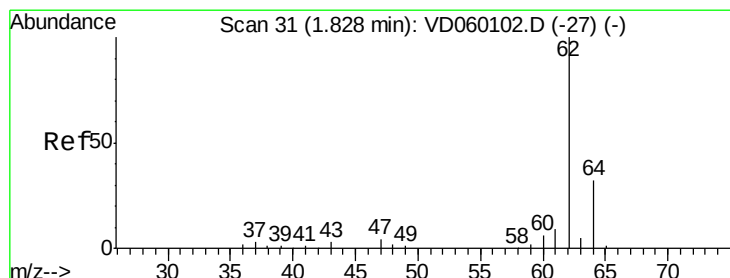
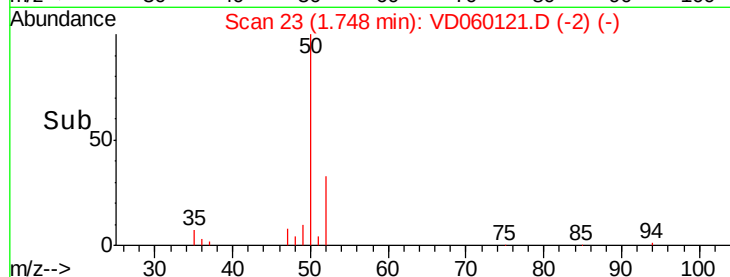
40000

20000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 19.724 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060121.D

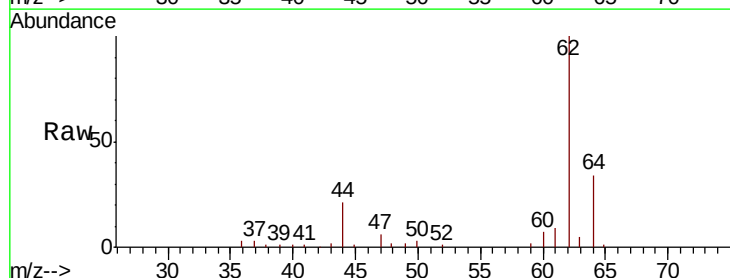
Acq: 3 Oct 2018 16:40

Tgt Ion: 62 Resp: 213438

Ion Ratio Lower Upper

62 100

64 33.7 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

100000

80000

60000

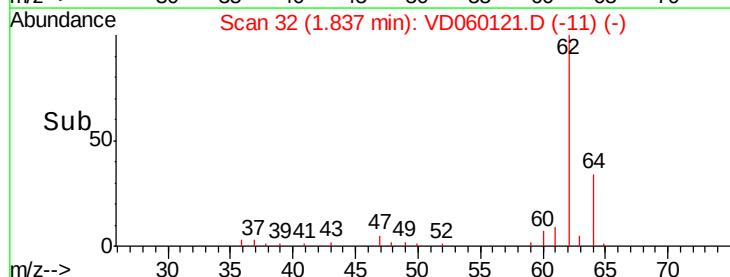
40000

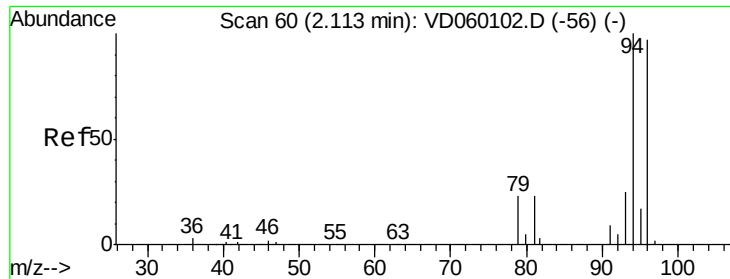
20000

0

1.70 1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 13.248 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

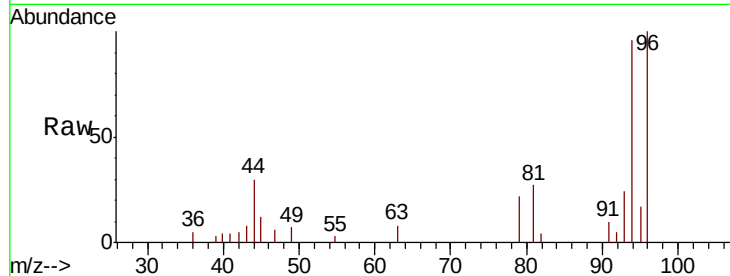
VD1003SBS01

Tot Ion: 94 Resp: 18000

Ion Ratio Lower Upper

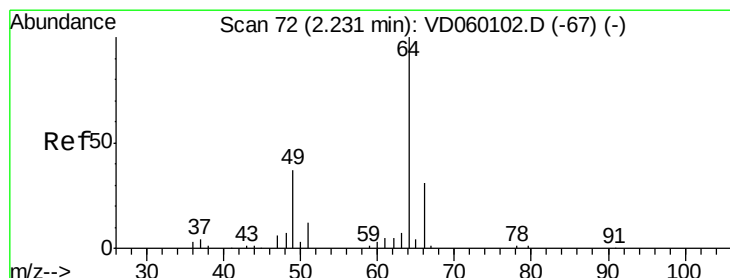
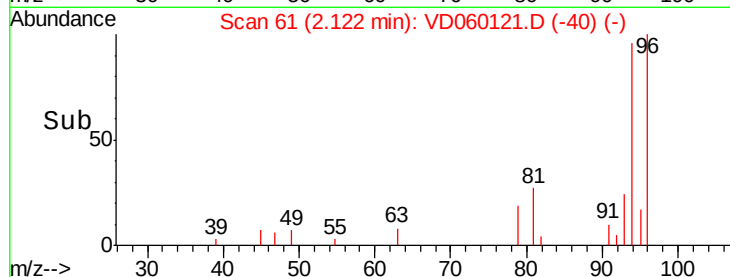
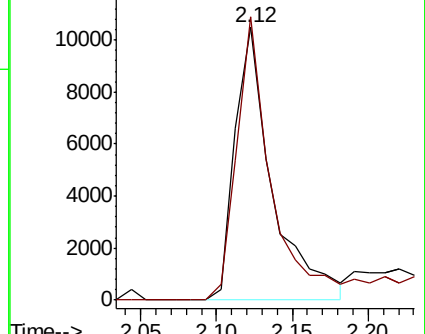
94 100

96 103.8 77.4 116.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.444 ug/l

RT: 2.23 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD060121.D

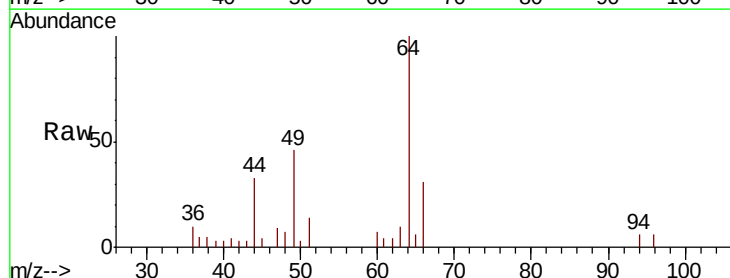
Acq: 3 Oct 2018 16:40

Tgt Ion: 64 Resp: 48558

Ion Ratio Lower Upper

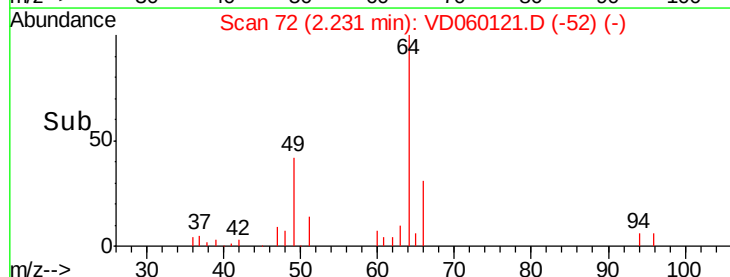
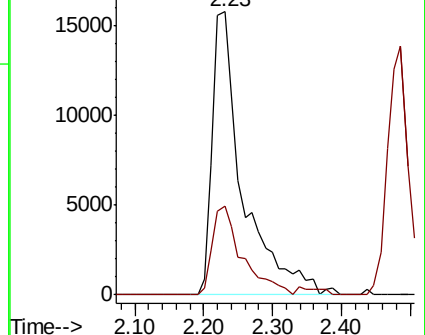
64 100

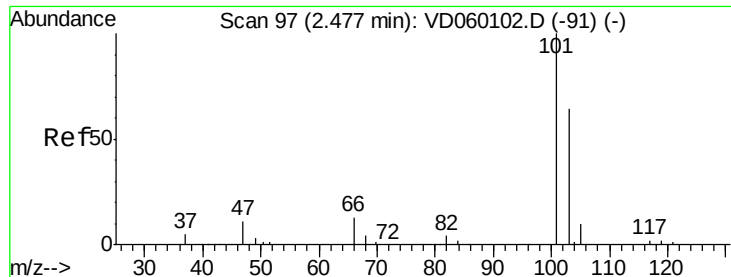
66 31.4 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 18.517 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

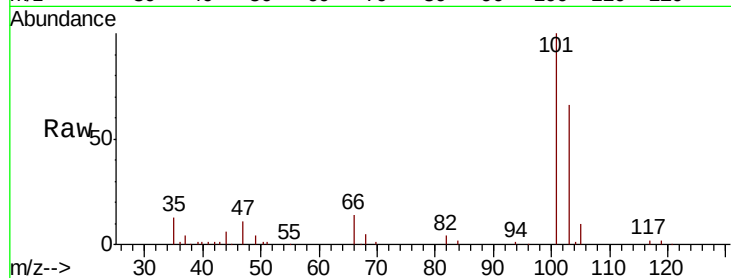
VD1003SBSD01

Tot Ion:101 Resp: 239925

Ion Ratio Lower Upper

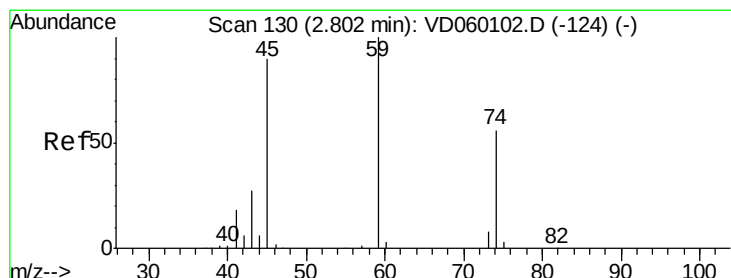
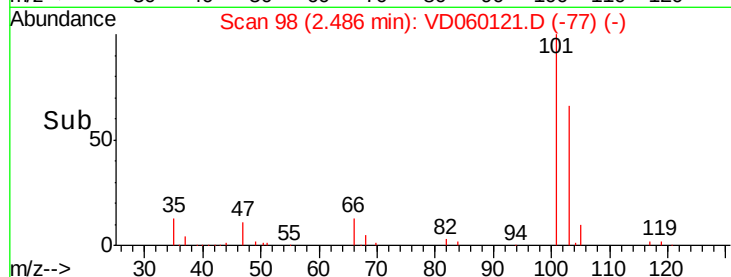
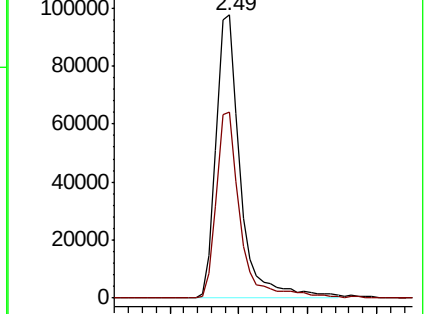
101 100

103 66.0 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: 20.442 ug/l

RT: 2.81 min Scan# 131

Delta R.T. 0.01 min

Lab File: VD060121.D

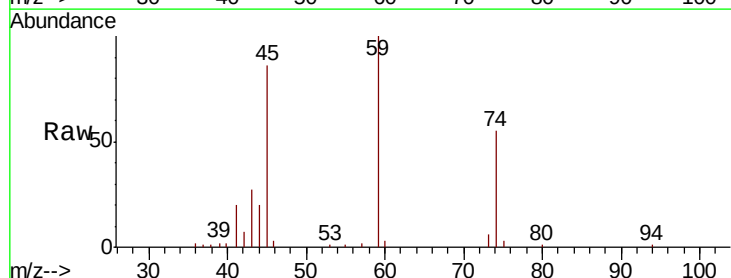
Acq: 3 Oct 2018 16:40

Tgt Ion: 74 Resp: 54465

Ion Ratio Lower Upper

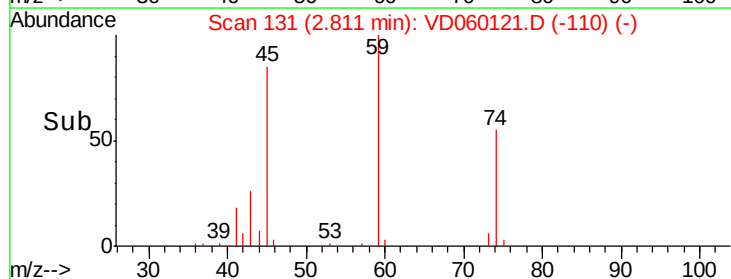
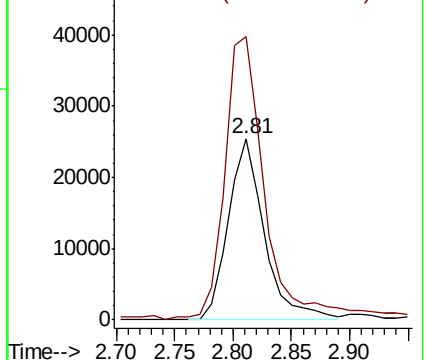
74 100

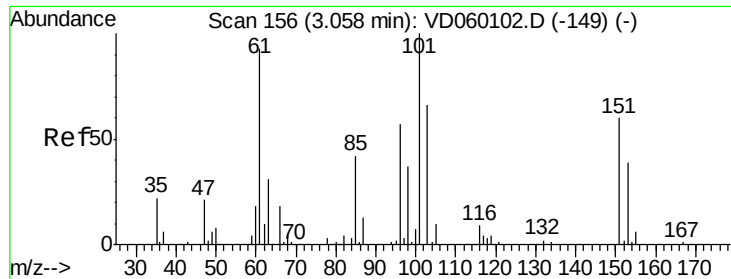
45 155.9 80.3 241.0



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: 20.264 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

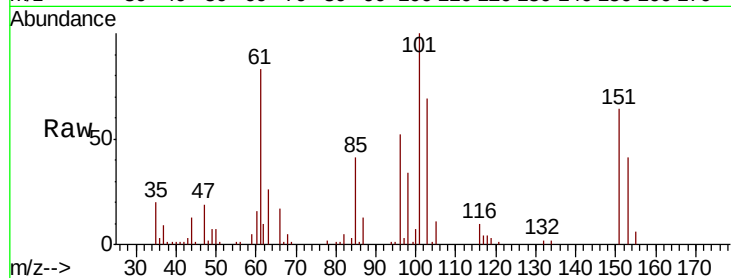
Tot Ion:101 Resp: 163569

Ion Ratio Lower Upper

101 100

85 40.6 33.4 50.0

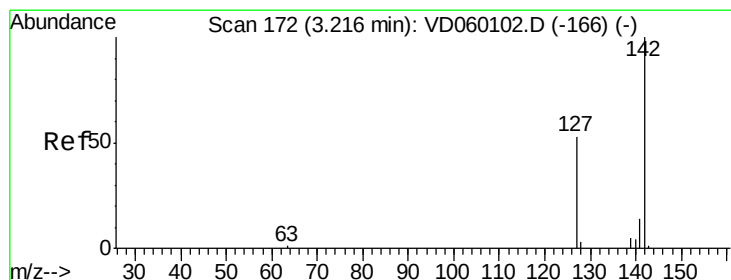
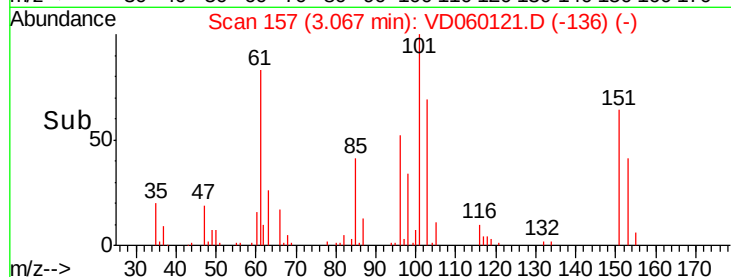
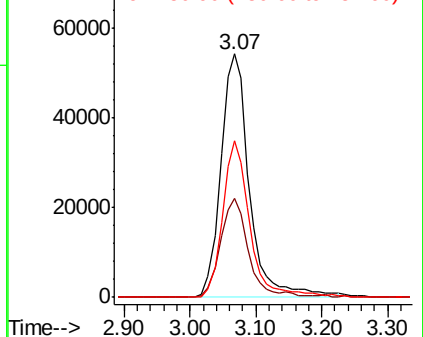
151 64.2 48.0 72.0



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: 16.030 ug/l

RT: 3.22 min Scan# 173

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

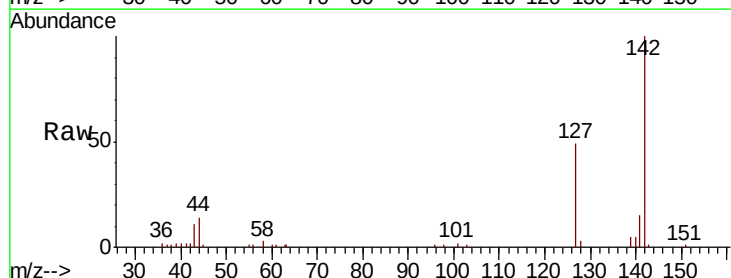
Tgt Ion:142 Resp: 137221

Ion Ratio Lower Upper

142 100

127 49.5 42.0 63.0

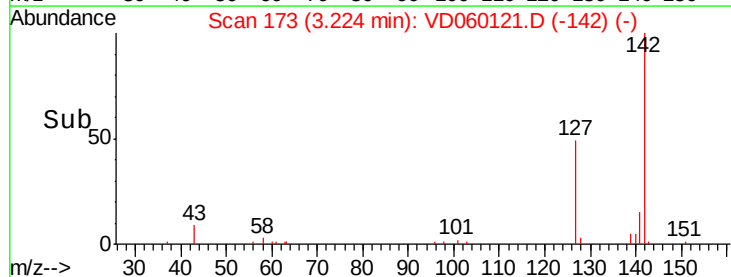
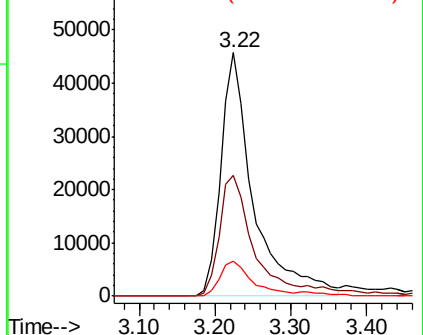
141 14.5 11.4 17.0

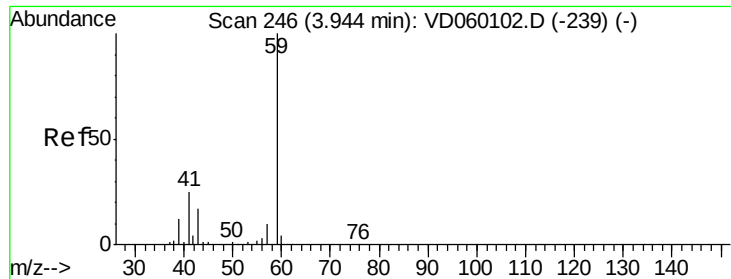


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

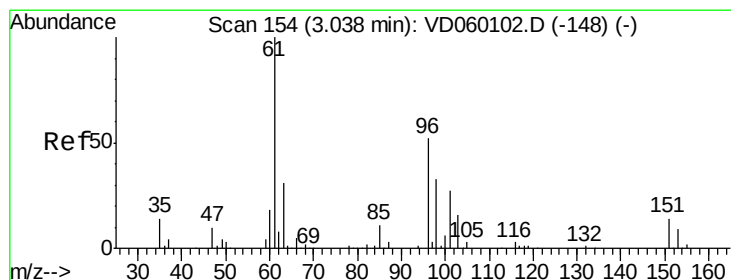
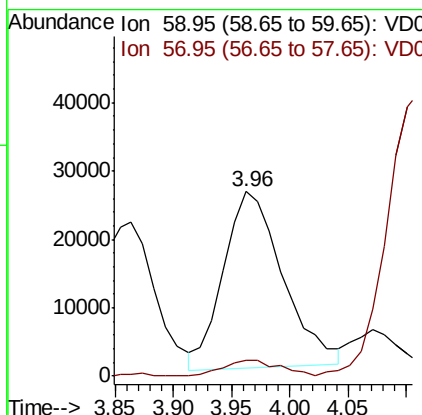
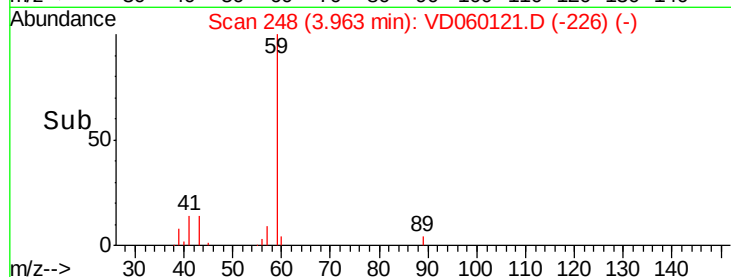
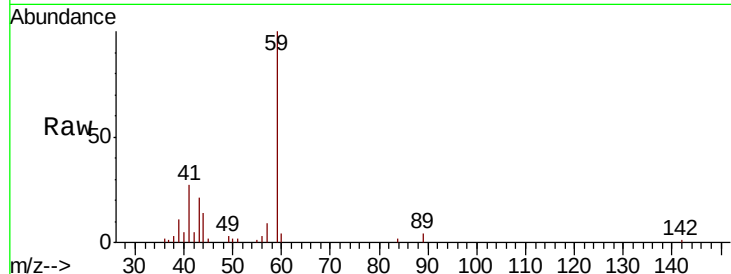




#11
Tert butyl alcohol
Concen: 107.703 ug/l
RT: 3.96 min Scan# 248
Delta R.T. 0.02 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

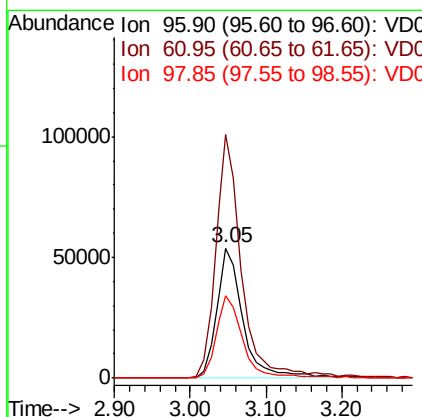
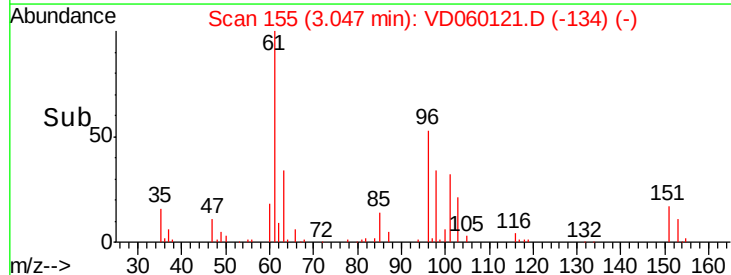
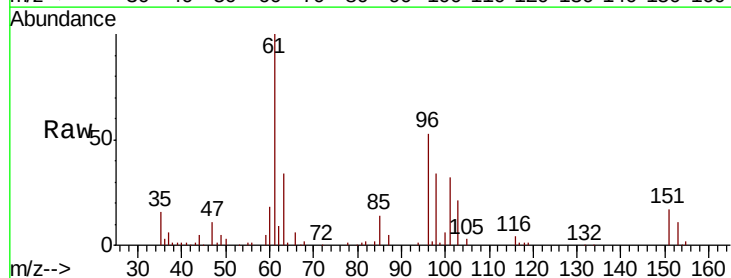
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

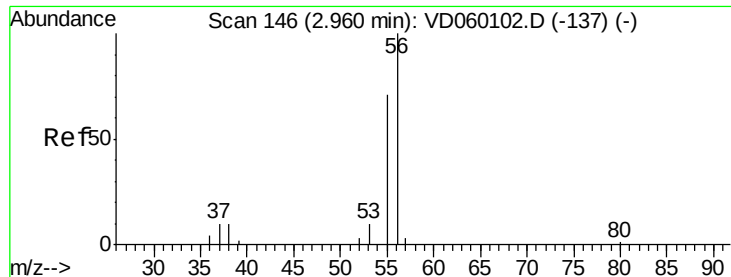
Tot Ion: 59 Resp: 91274
Ion Ratio Lower Upper
59 100
57 8.6 7.8 11.6



#12
1,1-Dichloroethene
Concen: 20.346 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion: 96 Resp: 129381
Ion Ratio Lower Upper
96 100
61 186.9 153.0 229.4
98 63.3 51.1 76.7





#13

Acrolein

Concen: 102.113 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

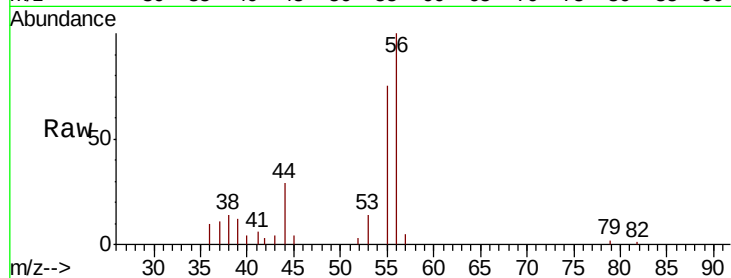
VD1003SBSD01

Tot Ion: 56 Resp: 53345

Ion Ratio Lower Upper

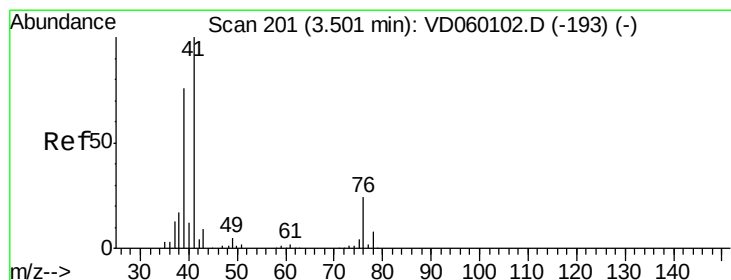
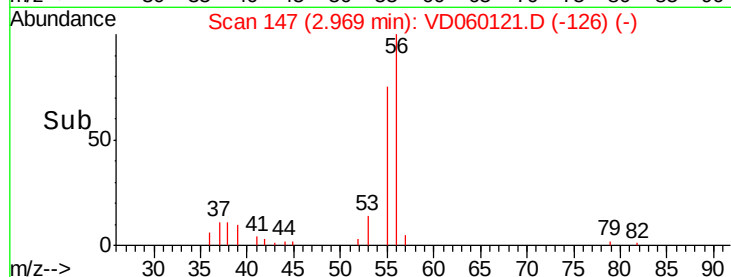
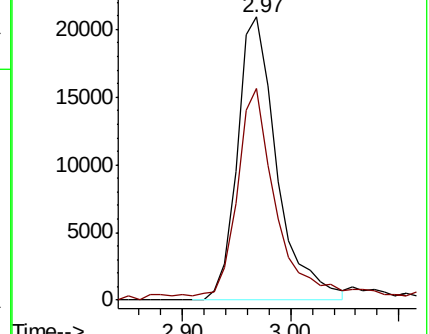
56 100

55 74.6 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: 20.547 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

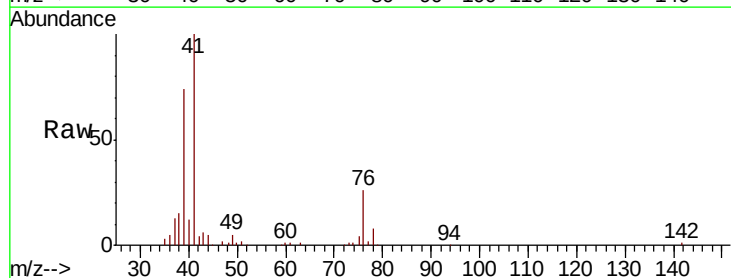
Tgt Ion: 41 Resp: 271369

Ion Ratio Lower Upper

41 100

39 73.5 60.6 90.8

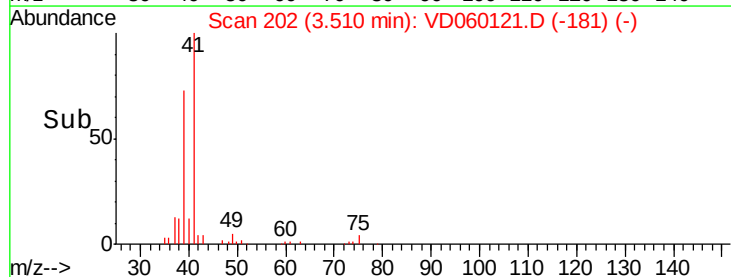
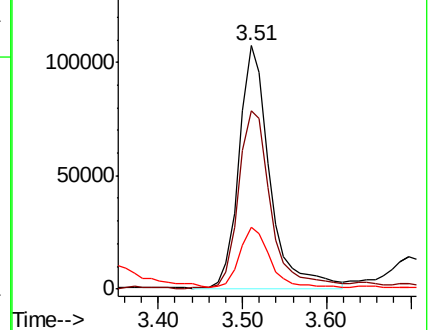
76 25.7 21.3 31.9

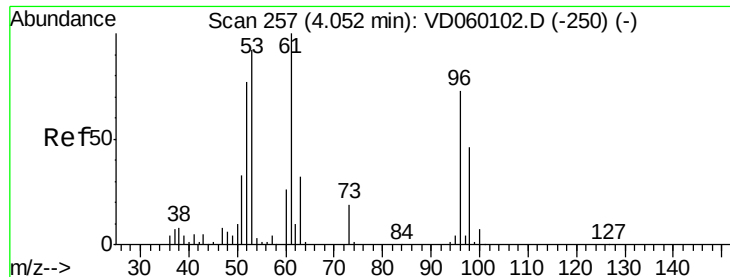


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 107.135 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.02 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBSD01

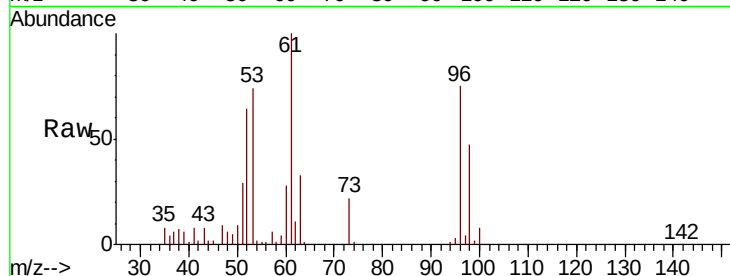
Tot Ion: 53 Resp: 375802

Ion Ratio Lower Upper

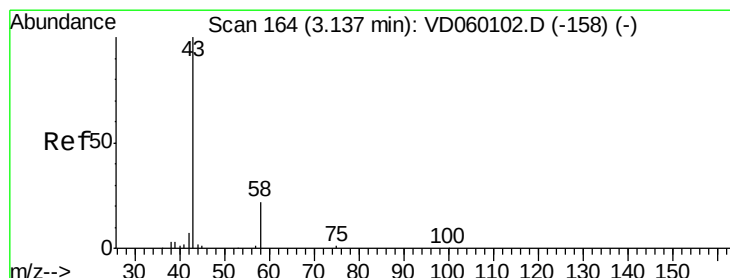
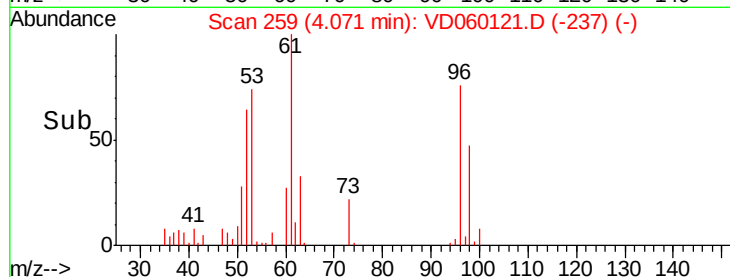
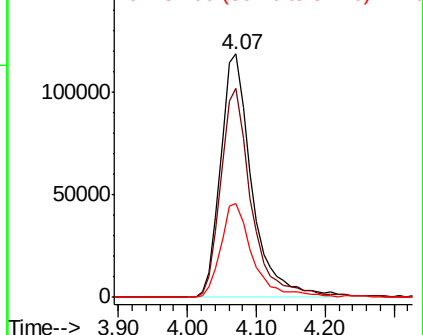
53 100

52 85.6 67.5 101.3

51 38.5 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 122.479 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060121.D

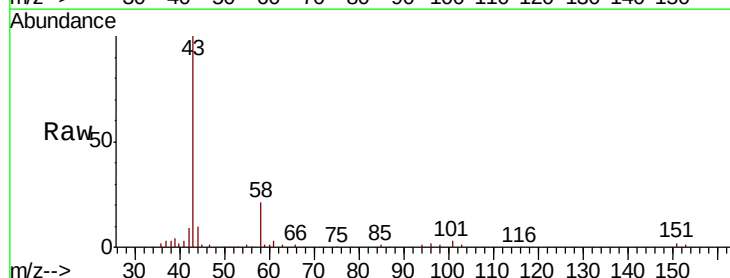
Acq: 3 Oct 2018 16:40

Tgt Ion: 43 Resp: 262612

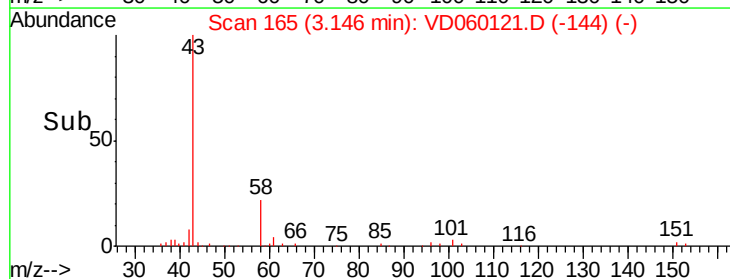
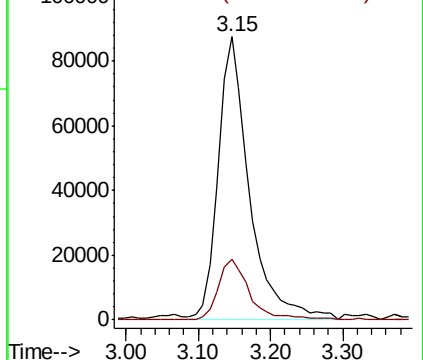
Ion Ratio Lower Upper

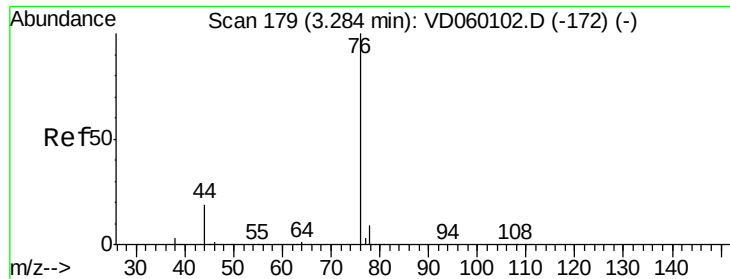
43 100

58 21.3 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

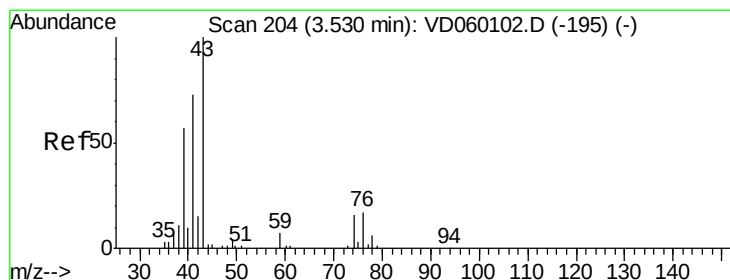
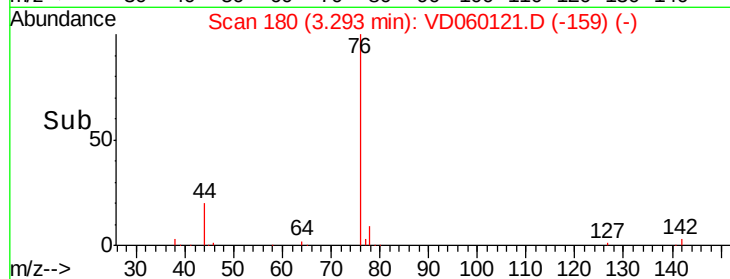
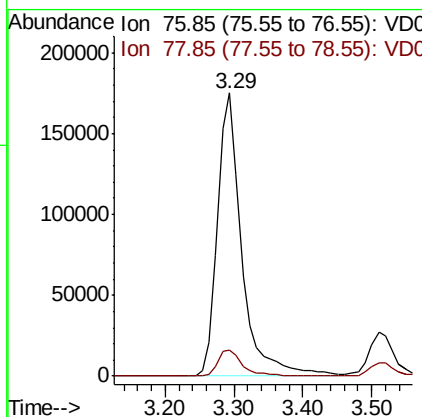
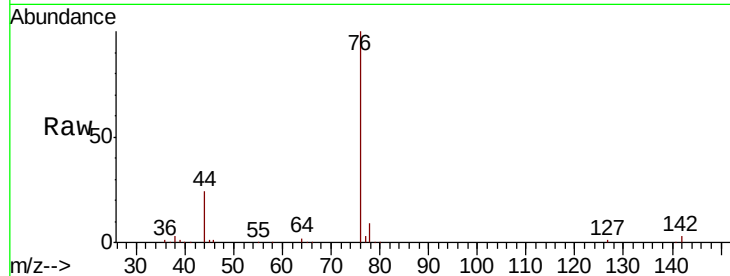




#17
Carbon Disulfide
Concen: 20.021 ug/l
RT: 3.29 min Scan# 180
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

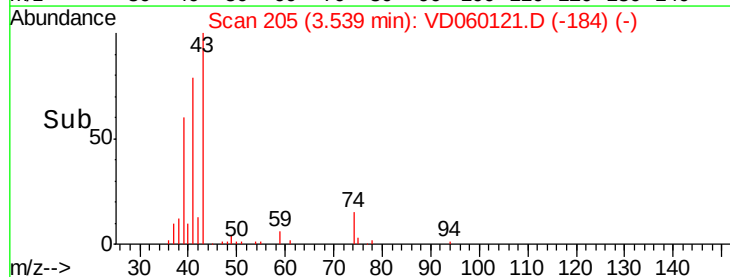
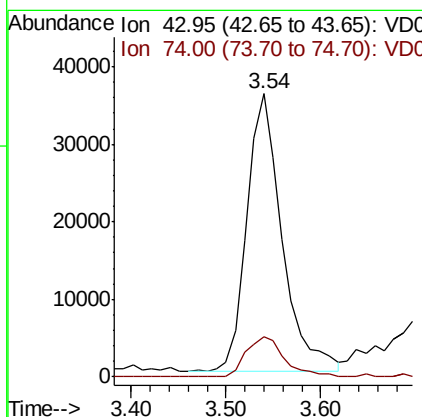
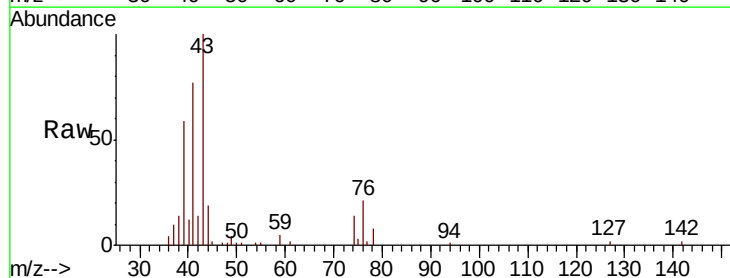
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

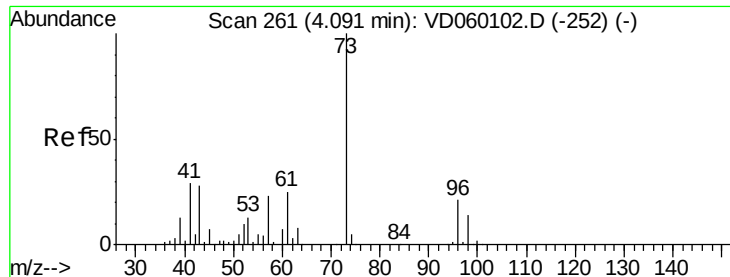
Tot Ion: 76 Resp: 428136
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 20.202 ug/l
RT: 3.54 min Scan# 205
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion: 43 Resp: 93101
Ion Ratio Lower Upper
43 100
74 14.1 12.6 19.0

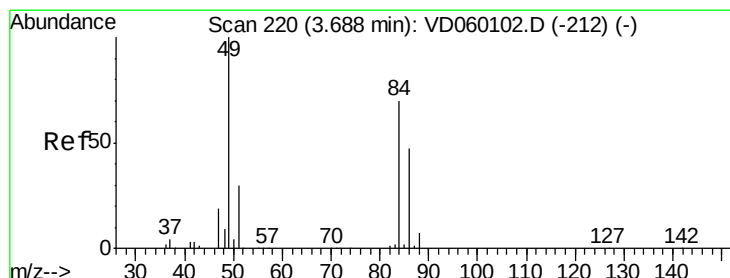
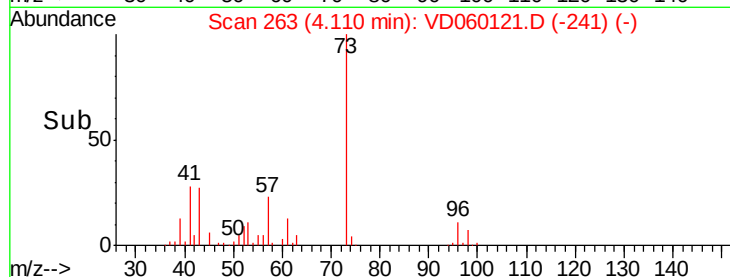
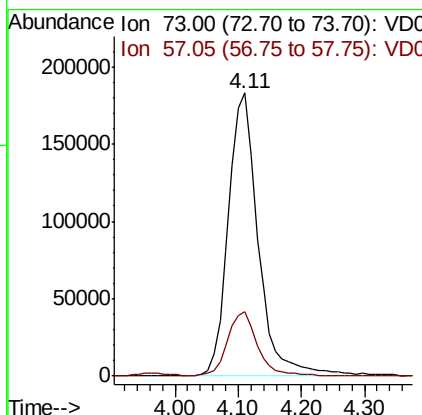
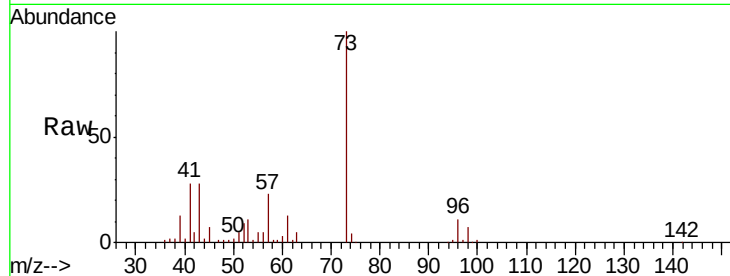




#19
Methyl tert-butyl Ether
Concen: 21.411 ug/l
RT: 4.11 min Scan# 263
Delta R.T. 0.02 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

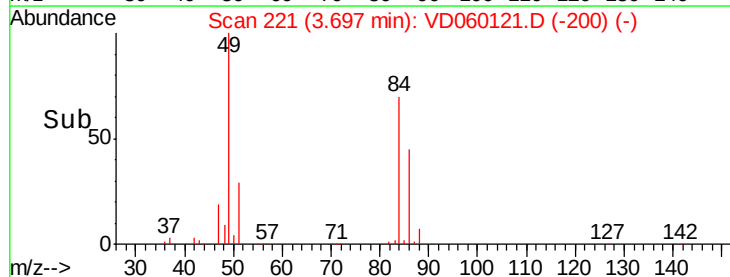
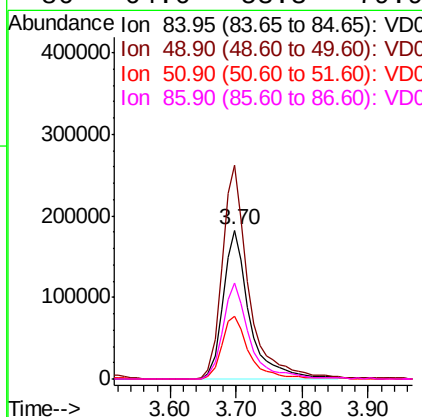
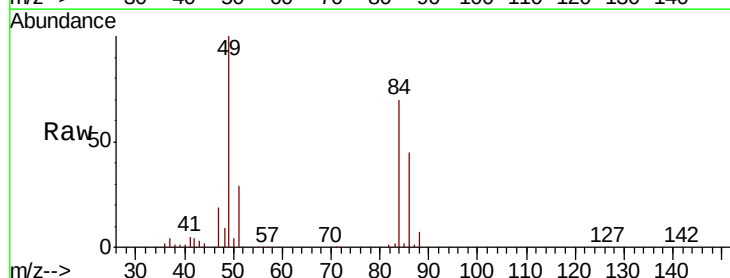
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

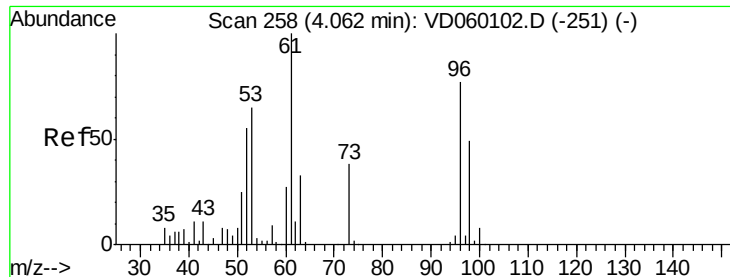
Tot Ion: 73 Resp: 598623
Ion Ratio Lower Upper
73 100
57 22.6 18.7 28.1



#20
Methylene Chloride
Concen: 28.433 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion: 84 Resp: 511170
Ion Ratio Lower Upper
84 100
49 143.3 114.6 172.0
51 42.0 33.8 50.8
86 64.6 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 20.630 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBSD01

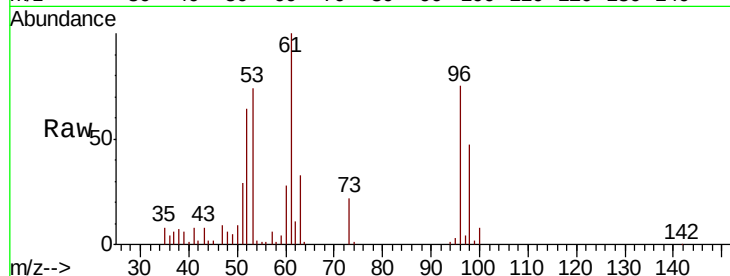
Tot Ion: 96 Resp: 338816

Ion Ratio Lower Upper

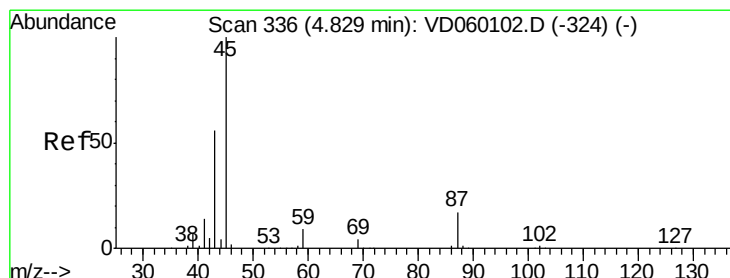
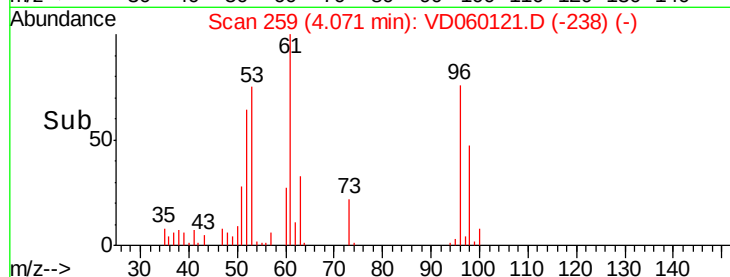
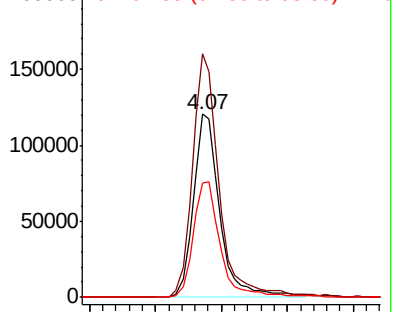
96 100

61 132.9 103.3 154.9

98 62.5 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



#22

Diisopropyl ether

Concen: 21.354 ug/l

RT: 4.84 min Scan# 337

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Tgt Ion: 45 Resp: 1259503

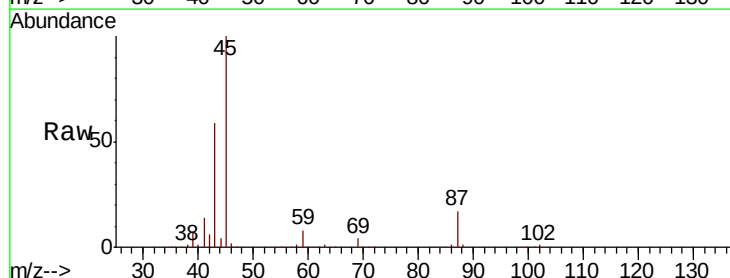
Ion Ratio Lower Upper

45 100

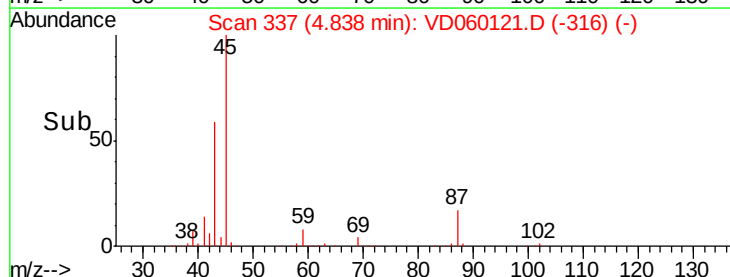
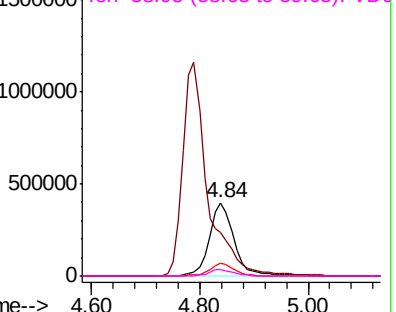
43 59.5 44.8 67.2

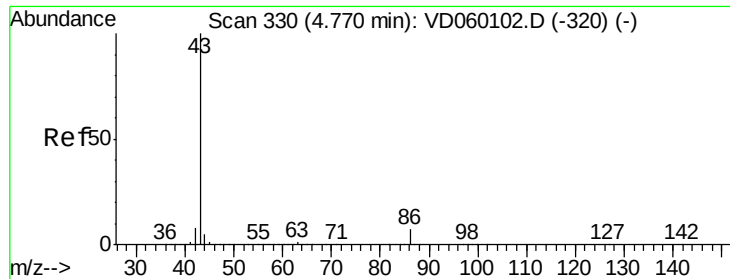
87 16.7 13.9 20.9

59 8.4 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





#23

Vinyl Acetate

Concen: 110.862 ug/l

RT: 4.79 min Scan# 332

Delta R.T. 0.02 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

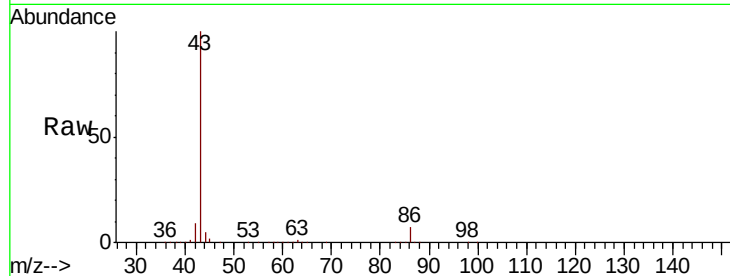
VD1003SBS01

Tot Ion: 43 Resp: 3675507

Ion Ratio Lower Upper

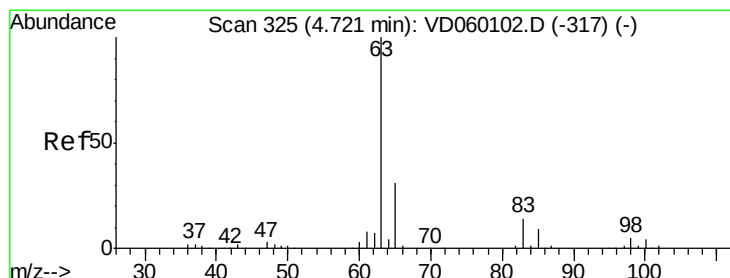
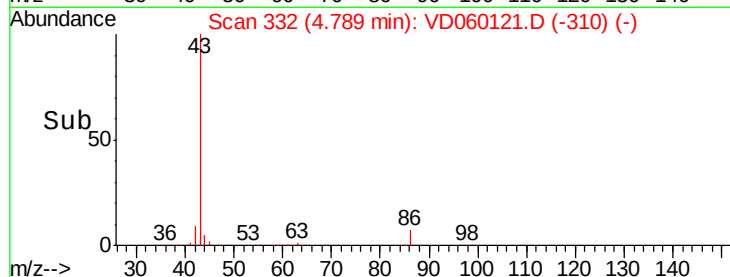
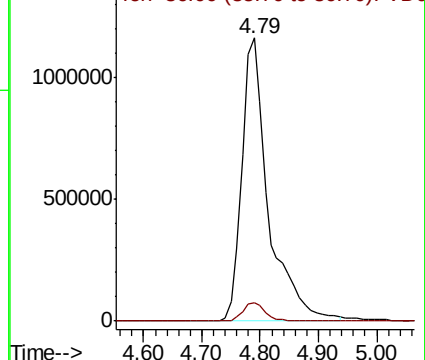
43 100

86 6.7 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: 20.944 ug/l

RT: 4.73 min Scan# 326

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

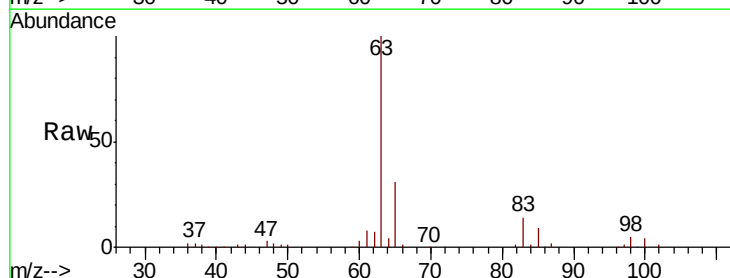
Tgt Ion: 63 Resp: 560117

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.3

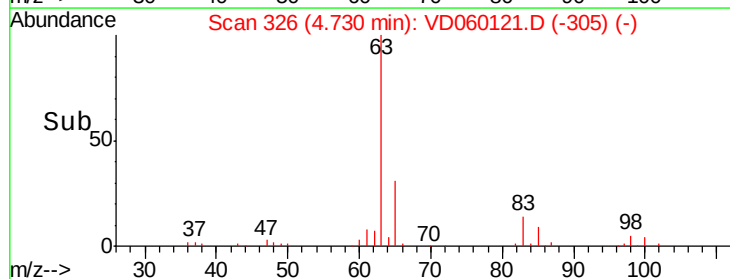
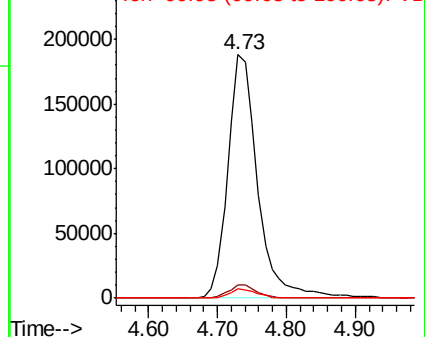
100 3.8 1.8 5.3

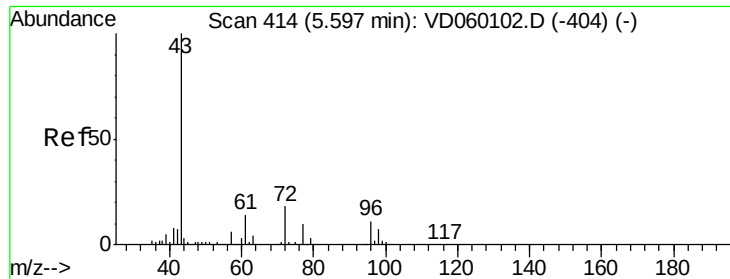


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 120.609 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

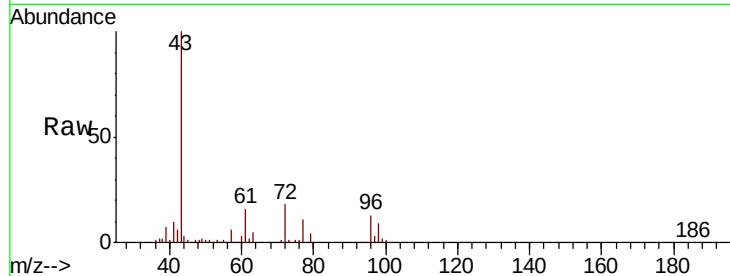
VD1003SBS01

Tot Ion: 43 Resp: 646051

Ion Ratio Lower Upper

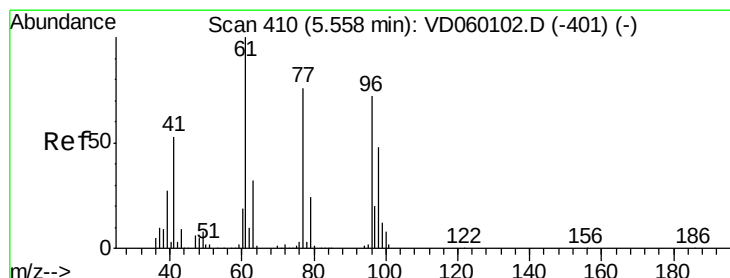
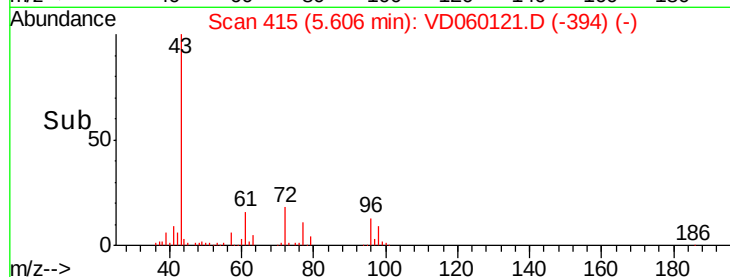
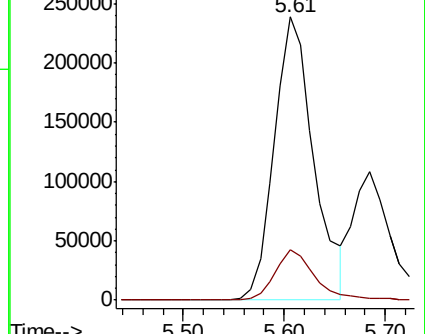
43 100

72 17.6 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: 21.661 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.01 min

Lab File: VD060121.D

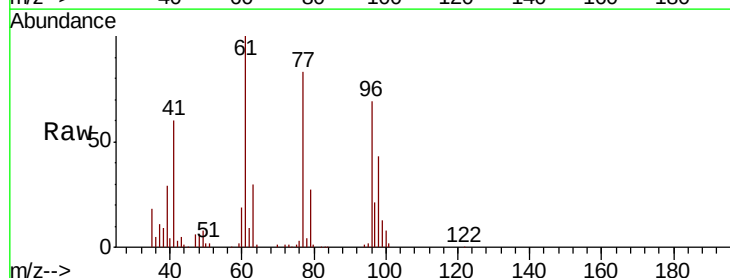
Acq: 3 Oct 2018 16:40

Tgt Ion: 77 Resp: 439154

Ion Ratio Lower Upper

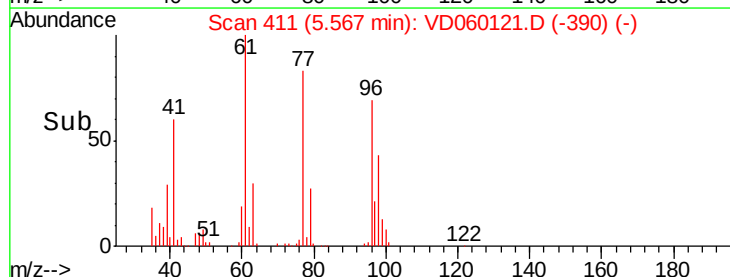
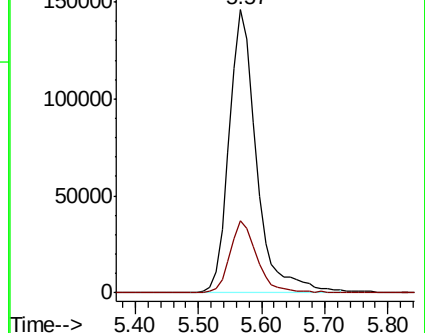
77 100

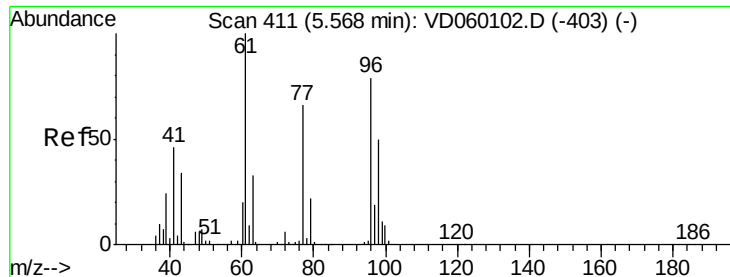
97 25.4 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



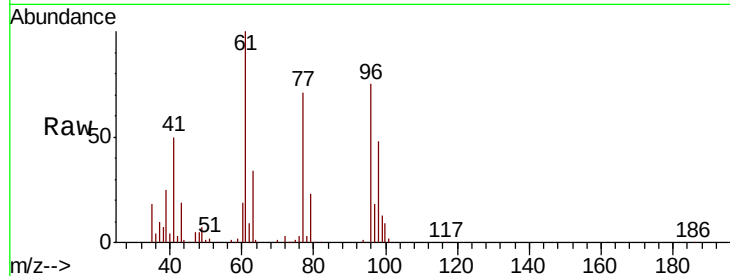


#27

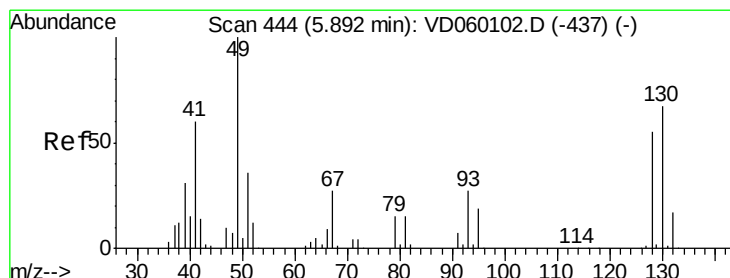
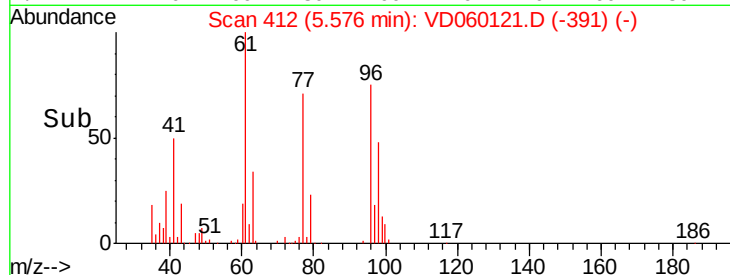
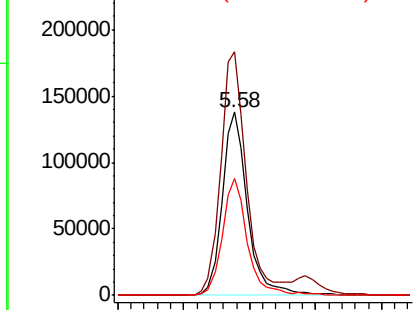
cis-1,2-Dichloroethene
 Concen: 21.160 ug/l
 RT: 5.58 min Scan# 412
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBSD01

Tot Ion	96	Resp	368201
Ion	Ratio	Lower	Upper
96	100		
61	132.9	0.0	251.8
98	63.7	0.0	125.2



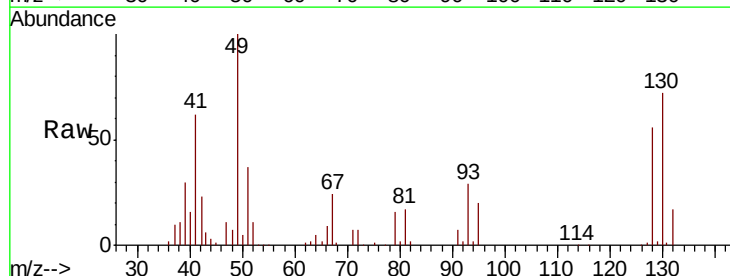
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



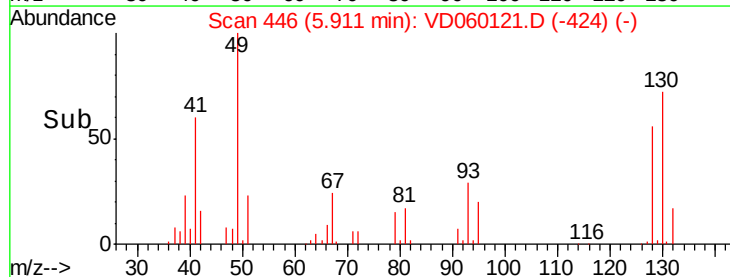
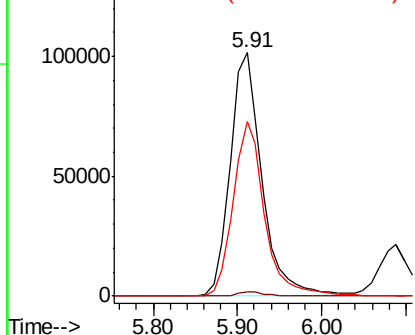
#28

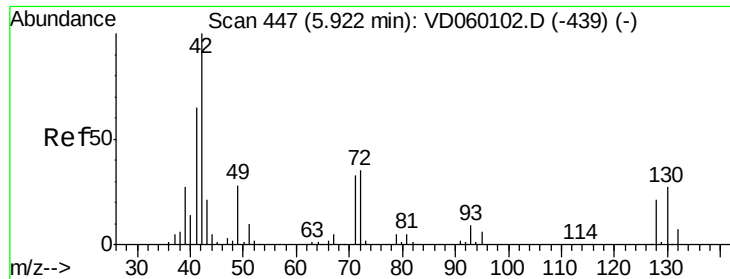
Bromochloromethane
 Concen: 20.409 ug/l
 RT: 5.91 min Scan# 446
 Delta R.T. 0.02 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Tgt Ion	49	Resp	265224
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	71.6	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

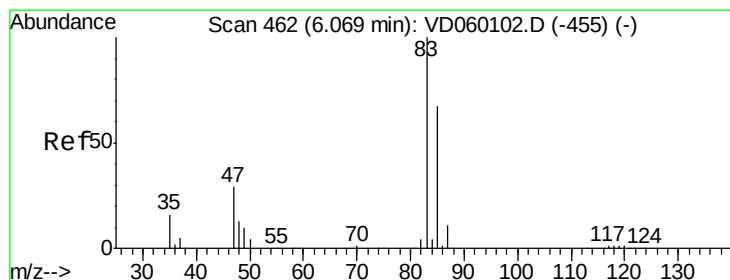
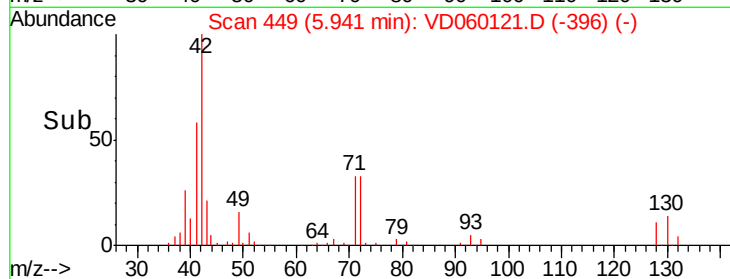
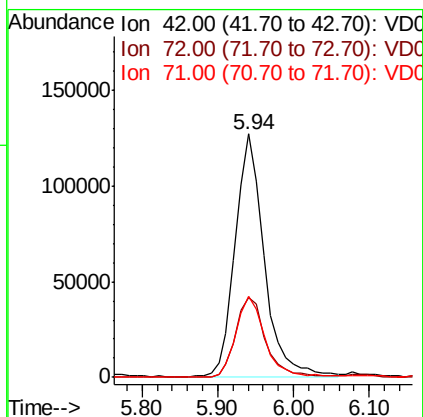
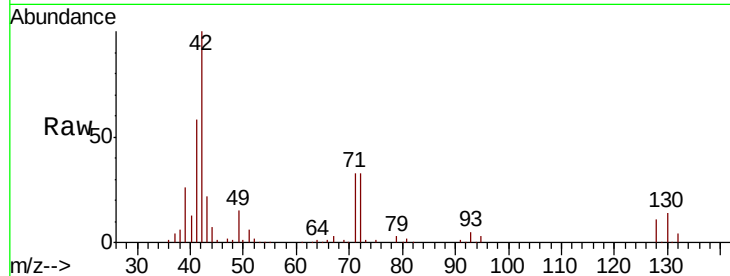




#29
Tetrahydrofuran
Concen: 109.511 ug/l
RT: 5.94 min Scan# 449
Delta R.T. 0.02 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

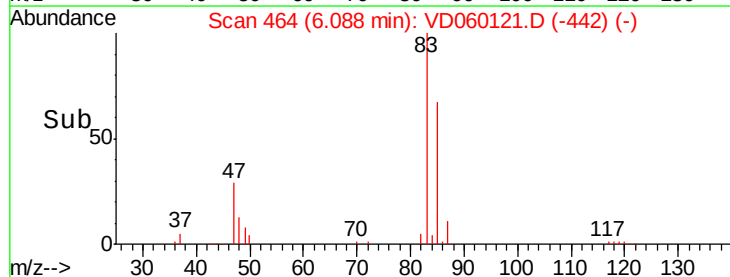
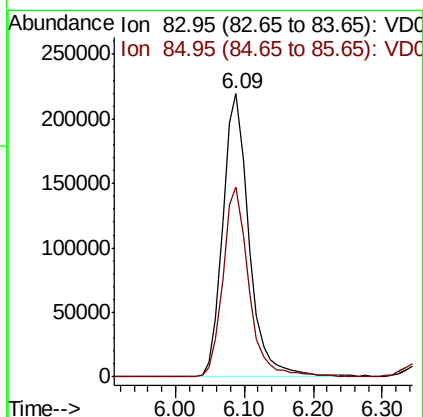
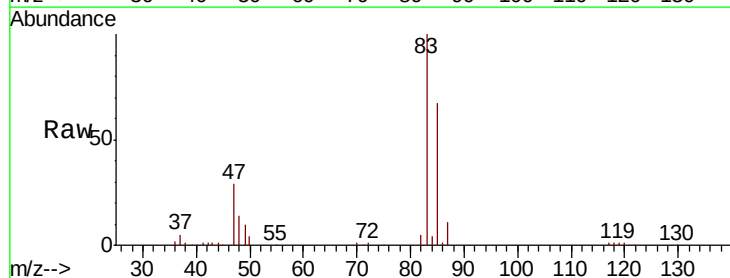
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

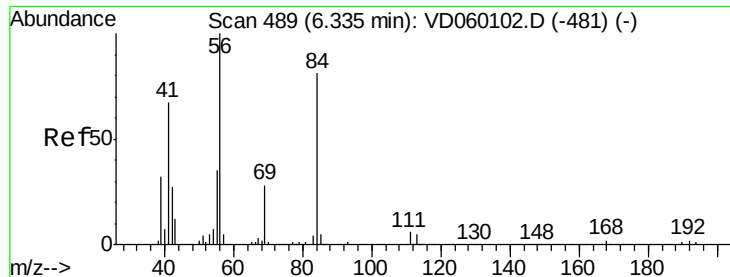
Tot Ion: 42 Resp: 340728
Ion Ratio Lower Upper
42 100
72 33.6 26.9 40.3
71 32.9 26.7 40.1



#30
Chloroform
Concen: 21.434 ug/l
RT: 6.09 min Scan# 464
Delta R.T. 0.02 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion: 83 Resp: 579831
Ion Ratio Lower Upper
83 100
85 66.9 53.8 80.8

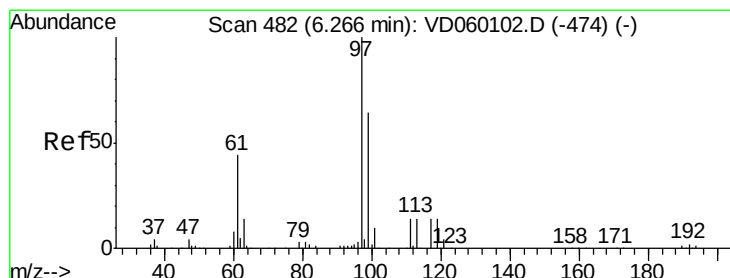
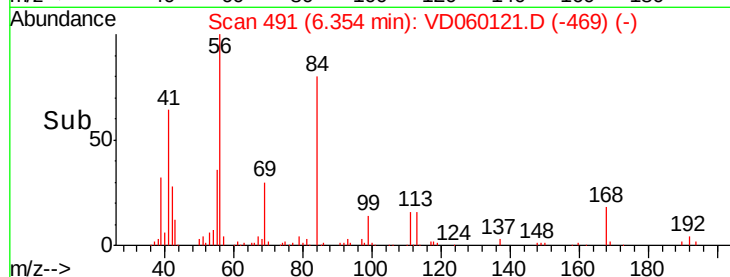
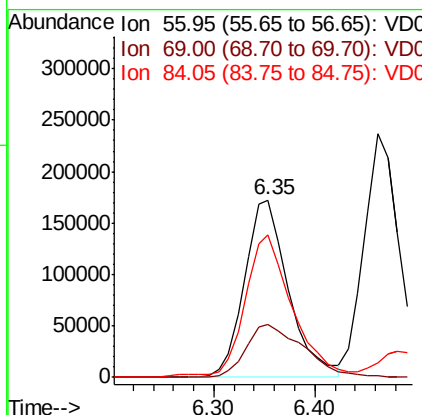
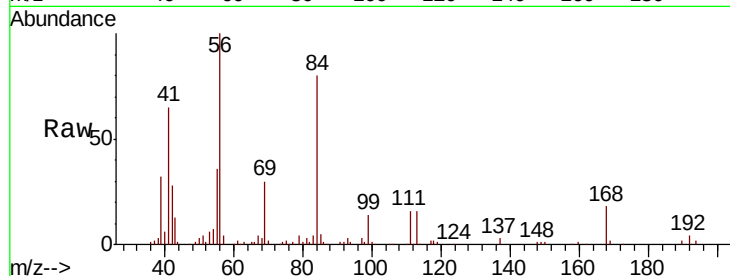




#31
Cyclohexane
Concen: 20.484 ug/l
RT: 6.35 min Scan# 491
Delta R.T. 0.02 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

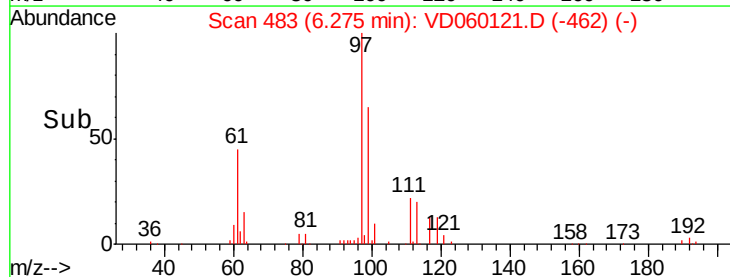
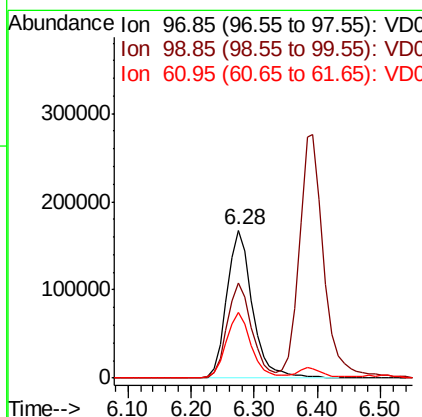
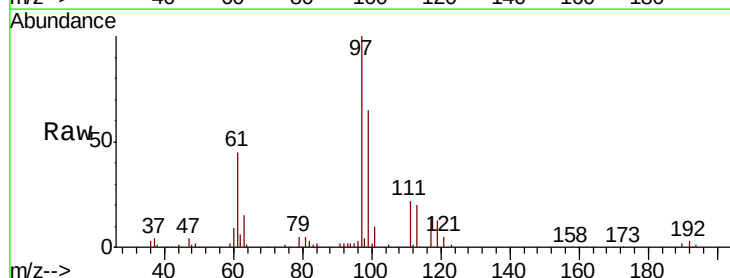
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

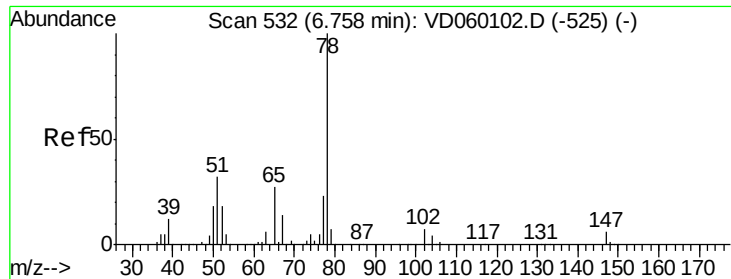
Tot Ion: 56 Resp: 524403
Ion Ratio Lower Upper
56 100
69 29.9 22.8 34.2
84 80.3 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 21.122 ug/l
RT: 6.28 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion: 97 Resp: 468122
Ion Ratio Lower Upper
97 100
99 64.6 51.4 77.0
61 44.8 35.5 53.3

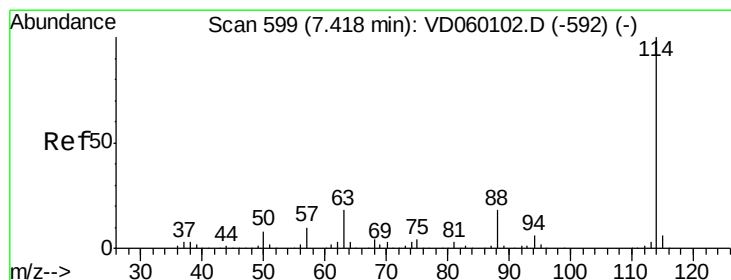
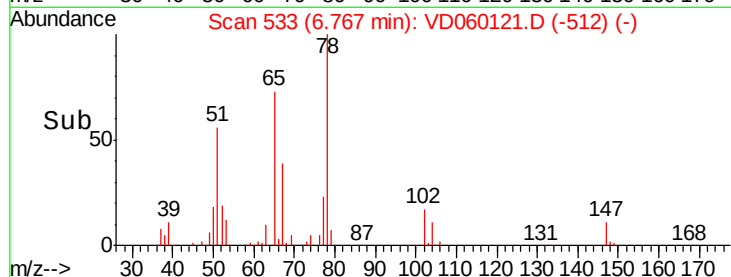
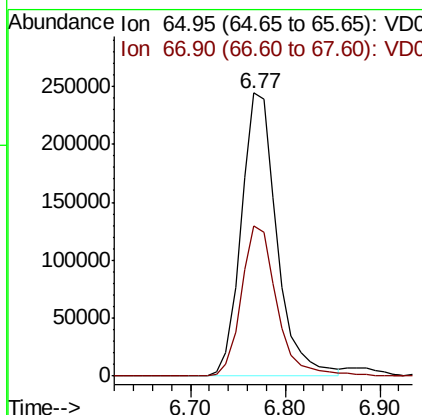
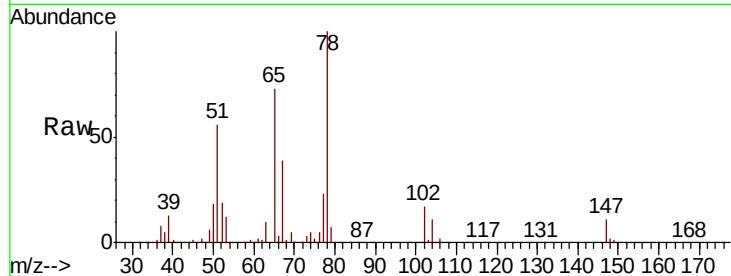




#33
 1,2-Dichloroethane-d4
 Concen: 21.122 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

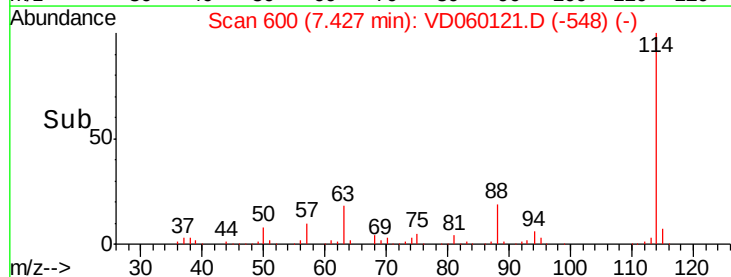
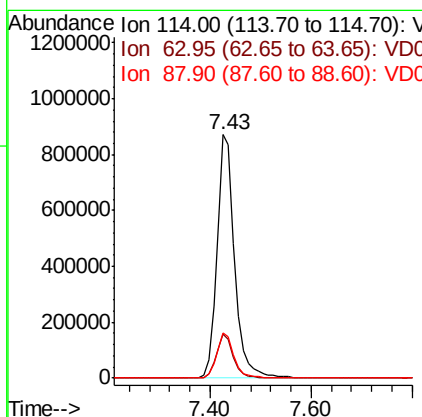
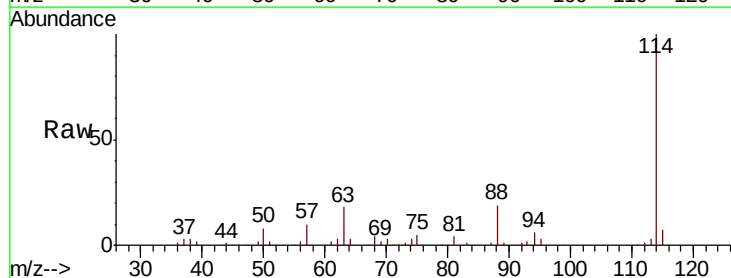
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBSD01

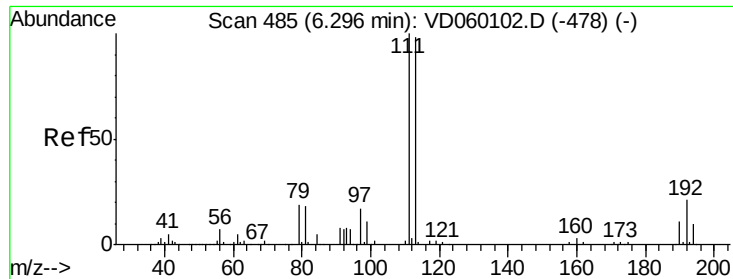
Tot Ion: 65 Resp: 634763
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Tgt Ion: 114 Resp: 2137673
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.0
 88 18.7 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: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

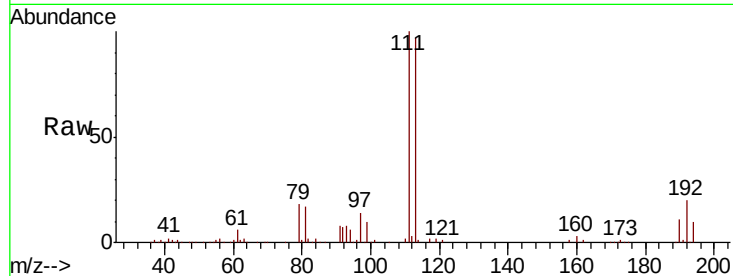
Tot Ion:113 Resp: 878328

Ion Ratio Lower Upper

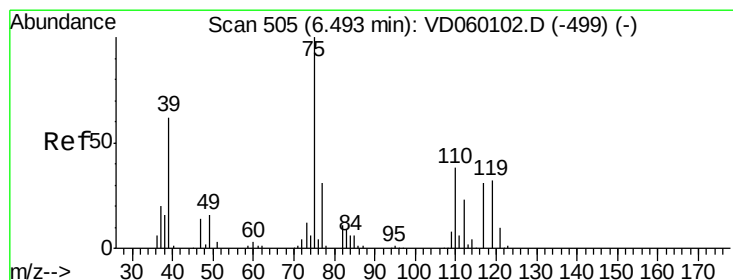
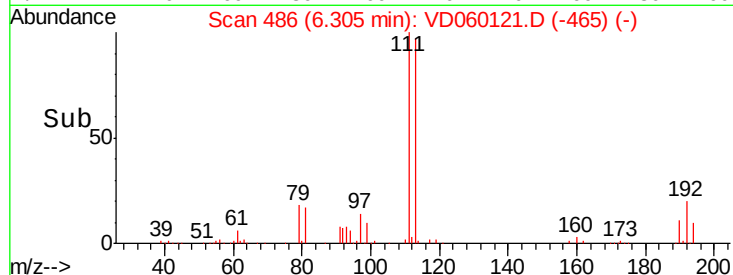
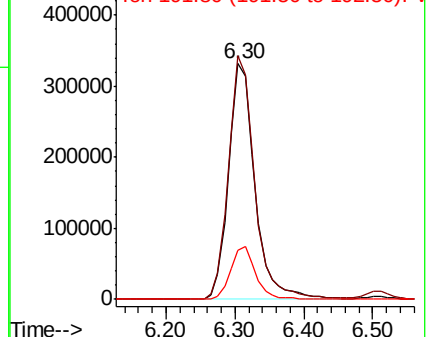
113 100

111 103.5 81.5 122.3

192 21.0 17.4 26.0



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.259 ug/l

RT: 6.51 min Scan# 507

Delta R.T. 0.02 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

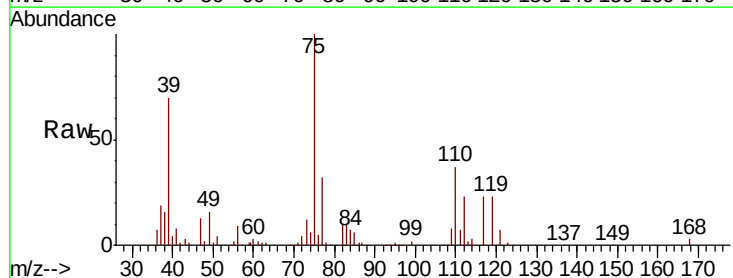
Tgt Ion: 75 Resp: 434268

Ion Ratio Lower Upper

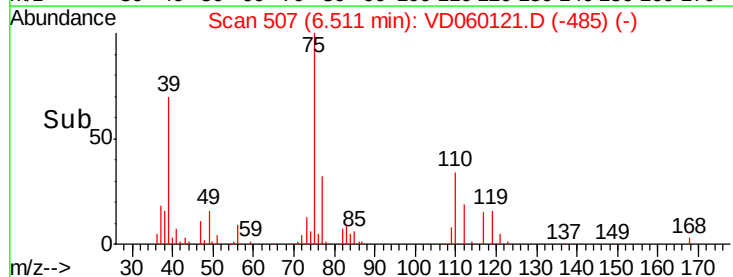
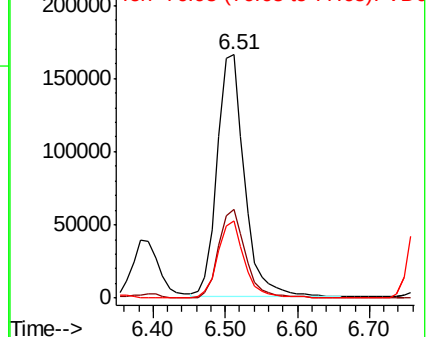
75 100

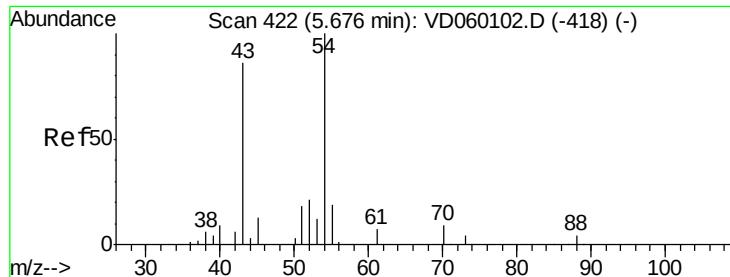
110 36.6 19.0 57.0

77 31.7 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V

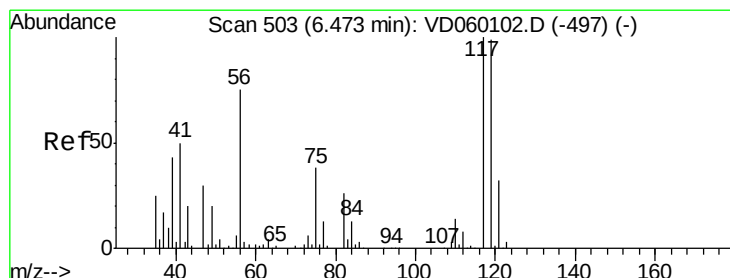
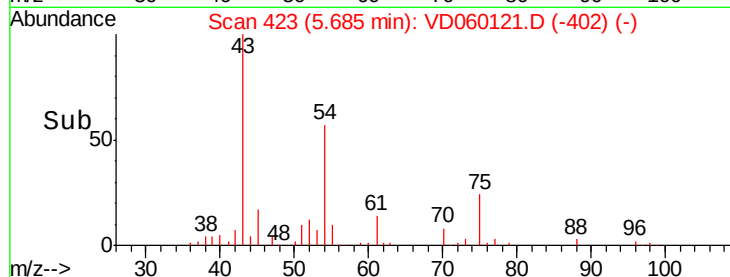
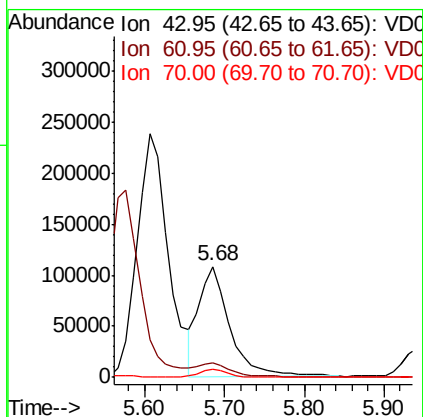
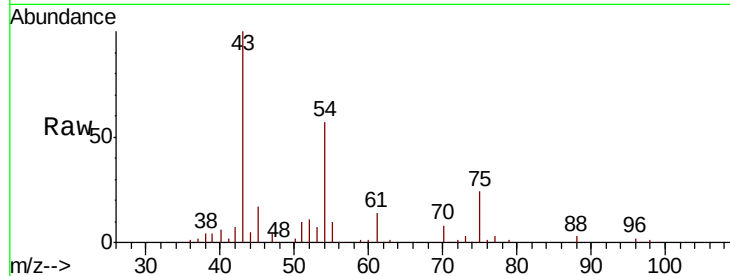




#37
Ethyl Acetate
Concen: 21.177 ug/l
RT: 5.68 min Scan# 423
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

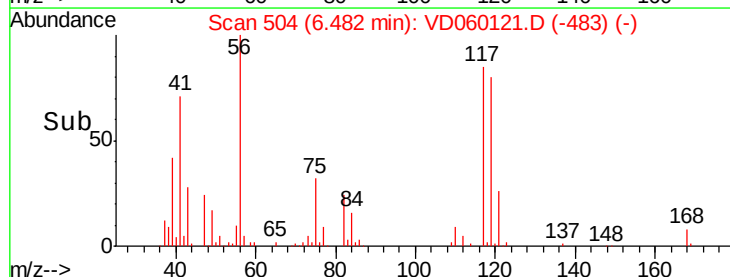
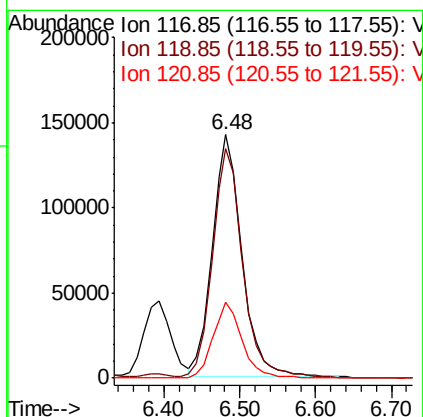
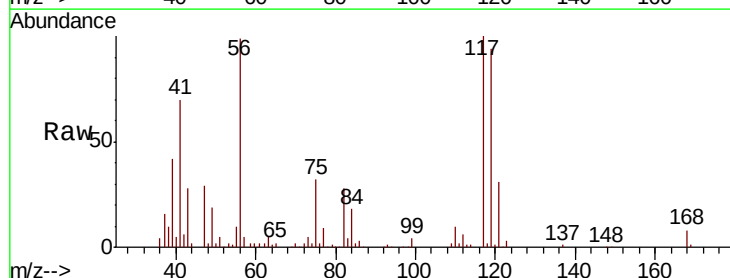
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

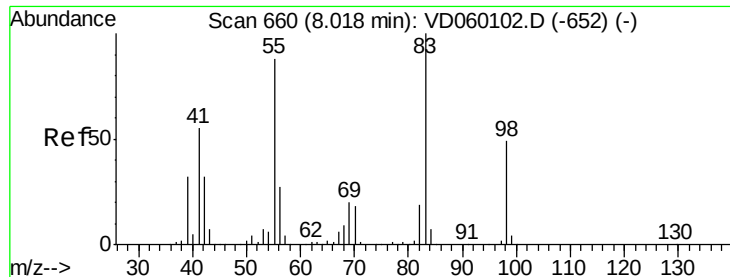
Tot Ion: 43 Resp: 287142
Ion Ratio Lower Upper
43 100
61 13.5 10.5 15.7
70 7.8 6.3 9.5



#38
Carbon Tetrachloride
Concen: 20.848 ug/l
RT: 6.48 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion: 117 Resp: 386521
Ion Ratio Lower Upper
117 100
119 94.2 77.8 116.6
121 31.0 24.8 37.2

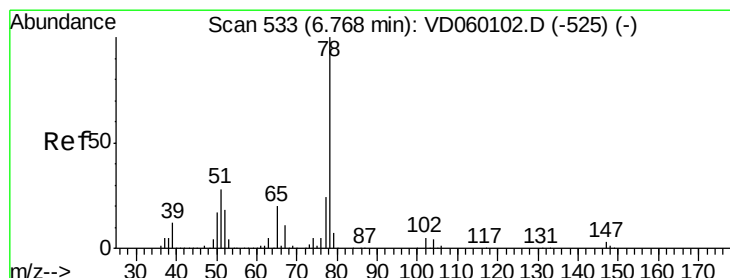
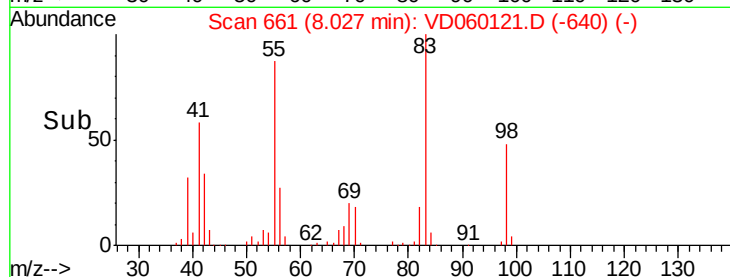
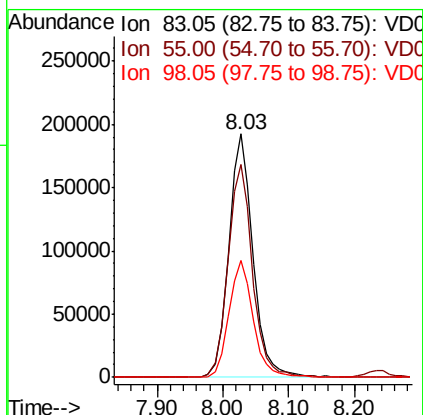
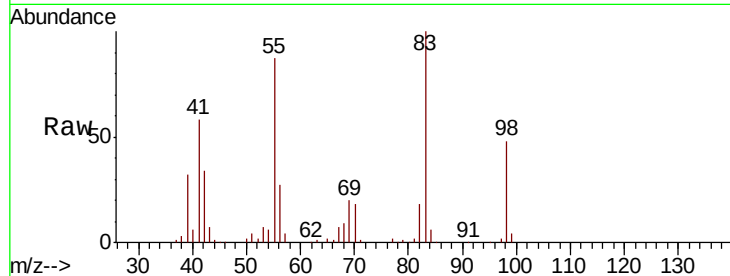




#39
Methylvlcyclohexane
Concen: 21.290 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

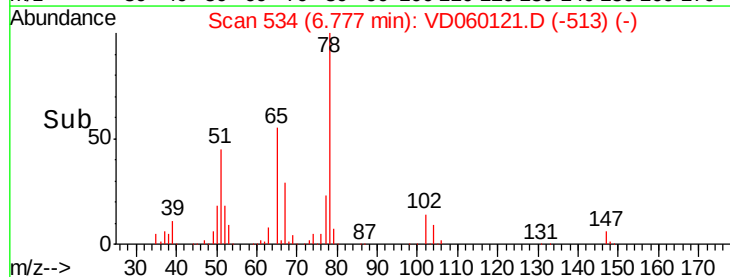
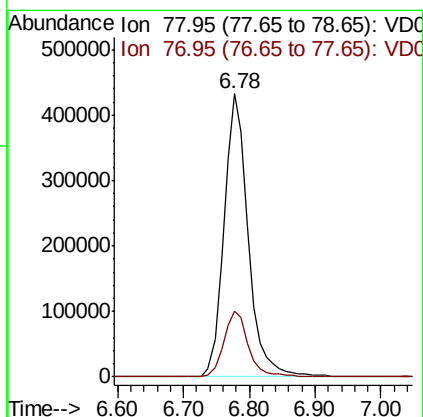
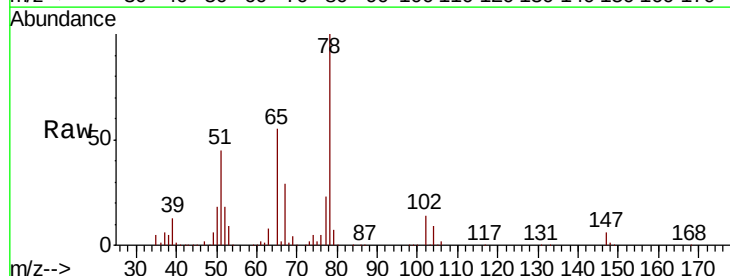
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

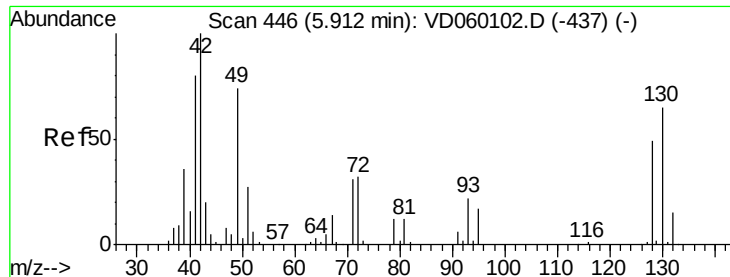
Tot Ion: 83 Resp: 494135
Ion Ratio Lower Upper
83 100
55 87.4 70.5 105.7
98 47.9 39.4 59.2



#40
Benzene
Concen: 20.767 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion: 78 Resp: 1109814
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4





#41

Methacrylonitrile

Concen: 44.490 ug/l

RT: 5.93 min Scan# 448

Delta R.T. 0.02 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 41 Resp: 340959

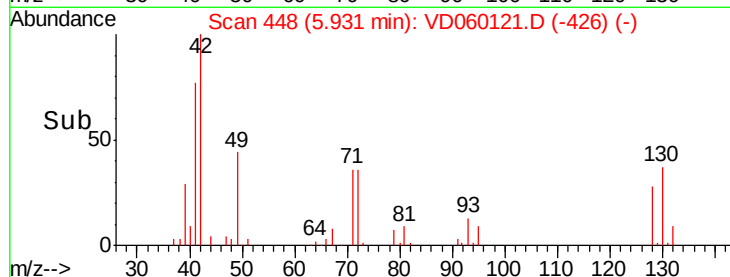
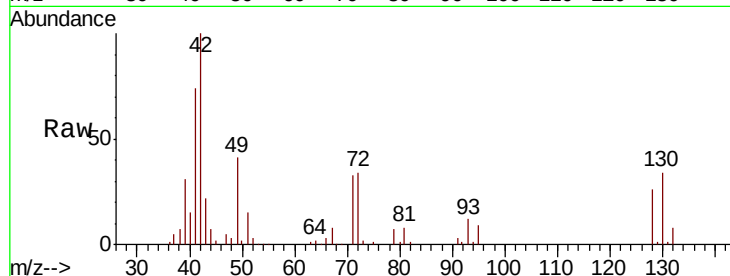
Ion Ratio Lower Upper

41 100

39 42.4 36.0 54.0

67 10.3 13.9 20.9#

52 4.5 6.1 9.1#

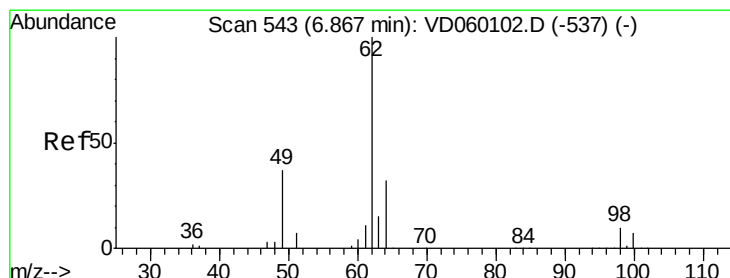
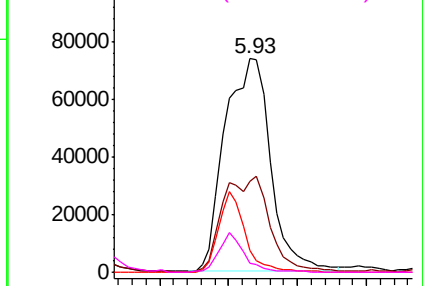


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.236 ug/l

RT: 6.88 min Scan# 544

Delta R.T. 0.01 min

Lab File: VD060121.D

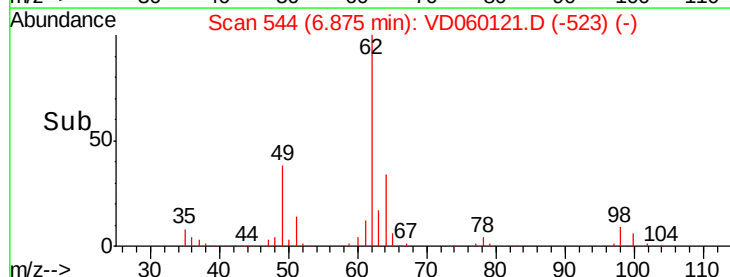
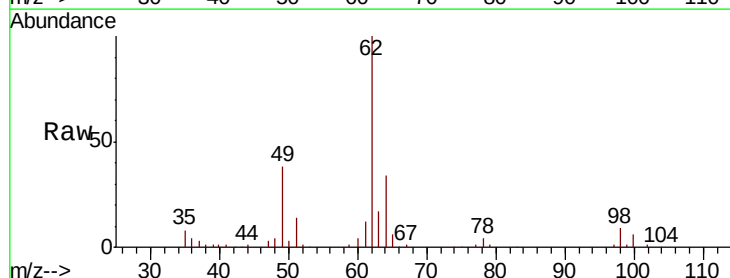
Acq: 3 Oct 2018 16:40

Tgt Ion: 62 Resp: 325372

Ion Ratio Lower Upper

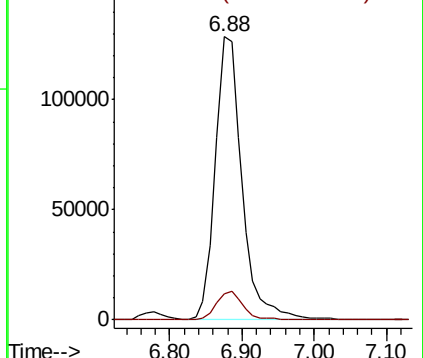
62 100

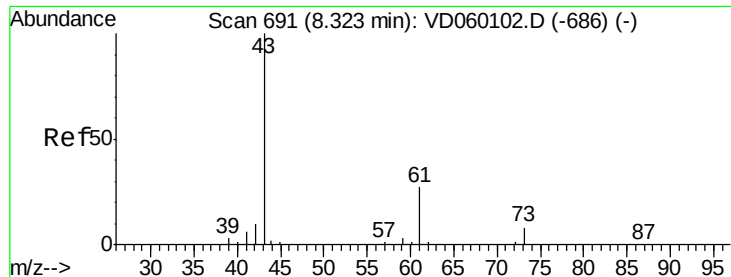
98 9.3 0.0 20.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.758 ug/l

RT: 8.34 min Scan# 693

Delta R.T. 0.02 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBSD01

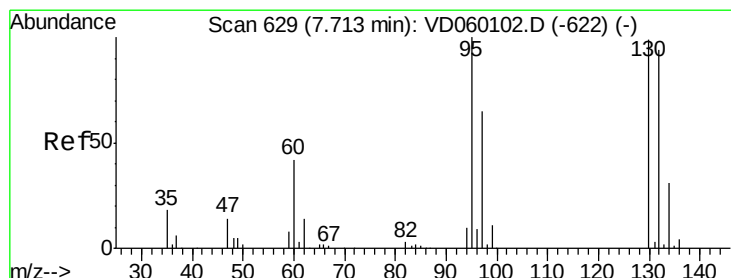
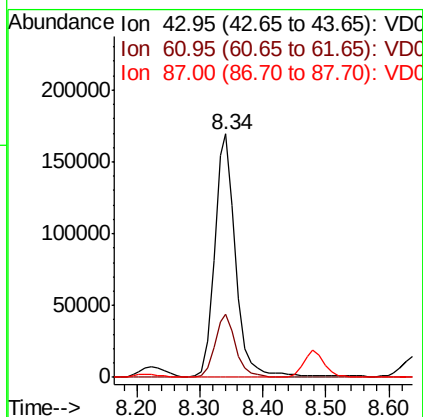
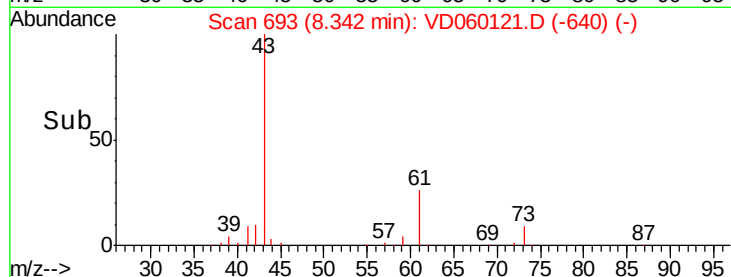
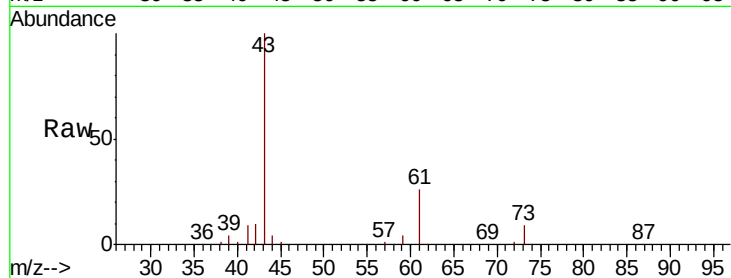
Tot Ion: 43 Resp: 388128

Ion Ratio Lower Upper

43 100

61 25.9 21.4 32.2

87 0.2 0.2 0.2



#44

Trichloroethene

Concen: 21.053 ug/l

RT: 7.73 min Scan# 631

Delta R.T. 0.02 min

Lab File: VD060121.D

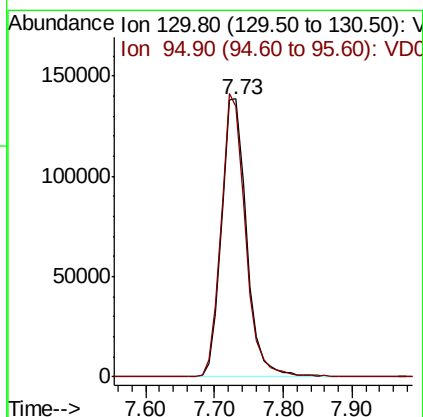
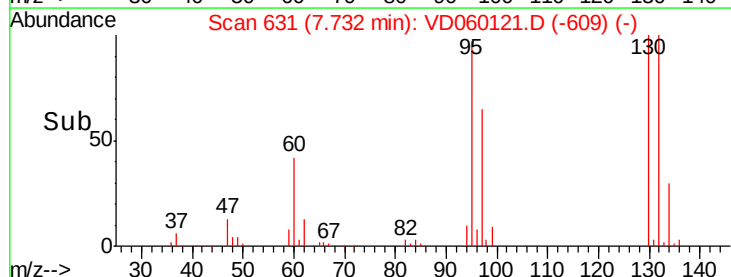
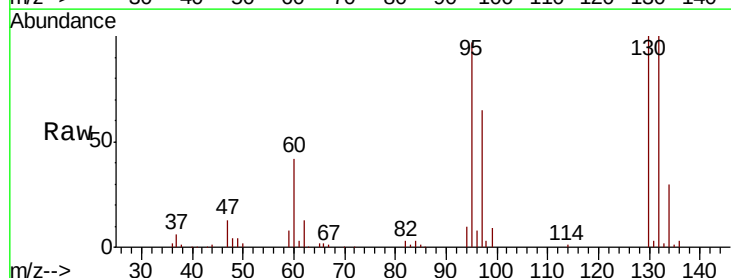
Acq: 3 Oct 2018 16:40

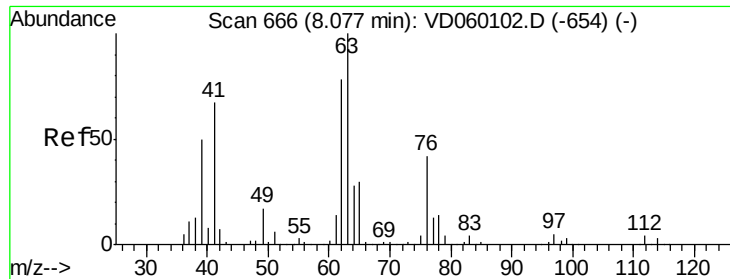
Tgt Ion:130 Resp: 348278

Ion Ratio Lower Upper

130 100

95 97.5 0.0 202.2

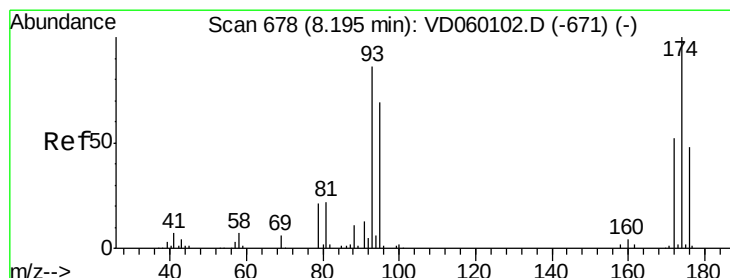
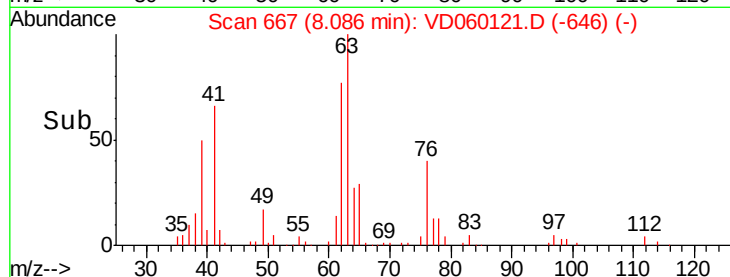
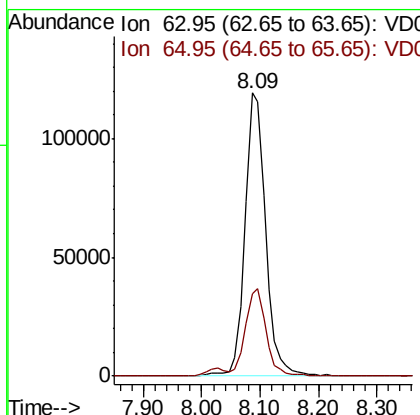
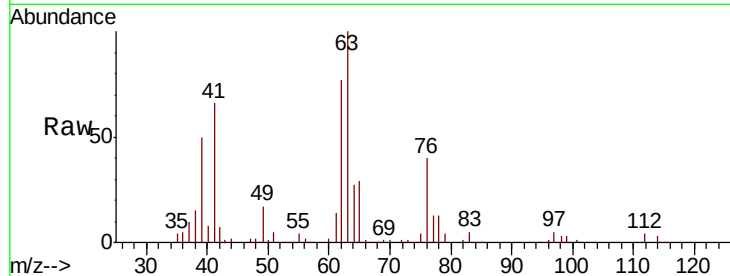




#45
 1,2-Dichloropropane
 Concen: 21.081 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

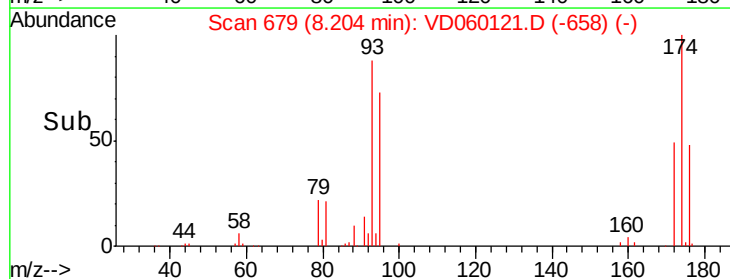
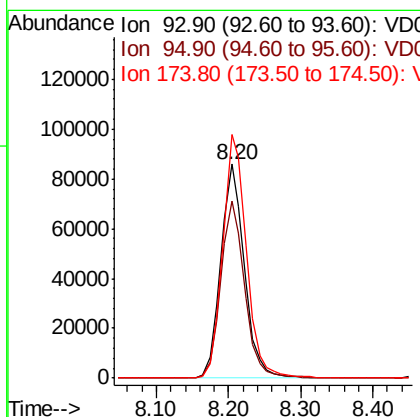
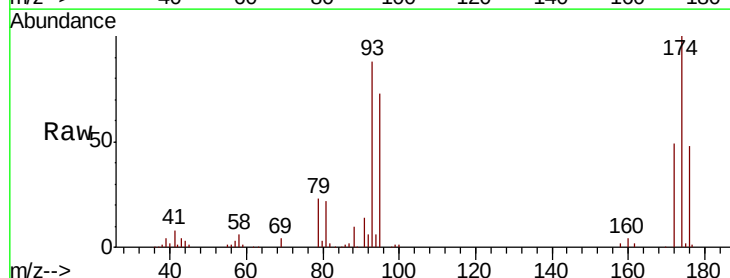
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBSD01

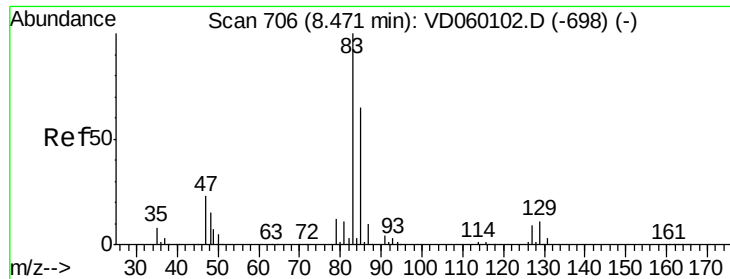
Tot Ion: 63 Resp: 294992
 Ion Ratio Lower Upper
 63 100
 65 29.0 24.1 36.1



#46
 Dibromomethane
 Concen: 21.370 ug/l
 RT: 8.20 min Scan# 679
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Tgt Ion: 93 Resp: 193605
 Ion Ratio Lower Upper
 93 100
 95 82.7 63.8 95.6
 174 113.8 92.9 139.3





#47

Bromodichloromethane

Concen: 21.227 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBSD01

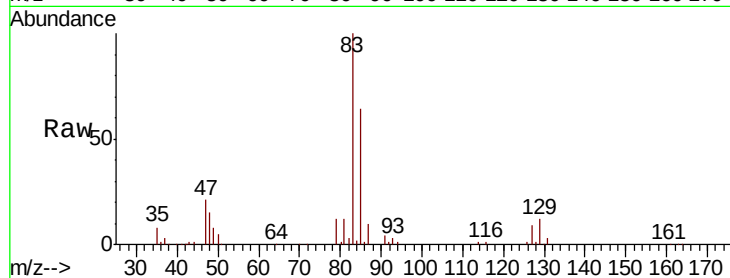
Tot Ion: 83 Resp: 409745

Ion Ratio Lower Upper

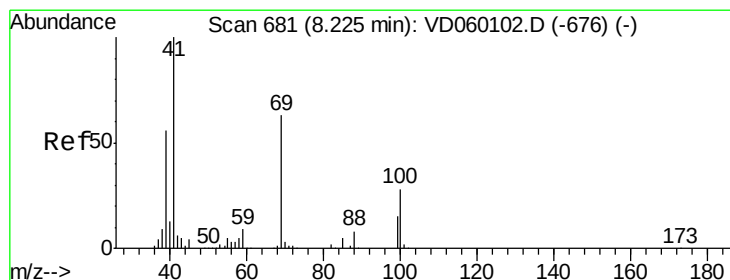
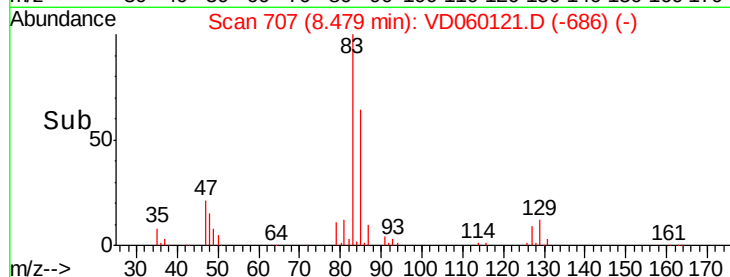
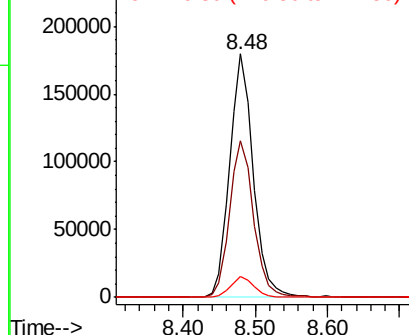
83 100

85 64.3 52.2 78.2

127 8.8 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: 21.970 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

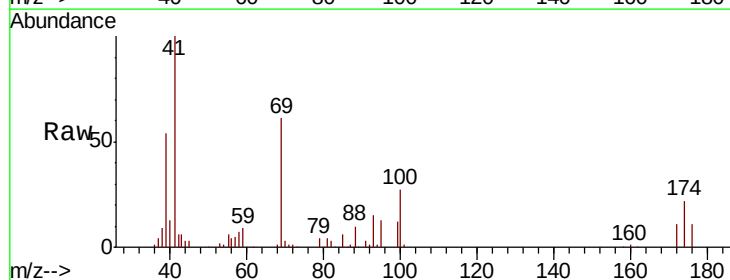
Tgt Ion: 41 Resp: 223234

Ion Ratio Lower Upper

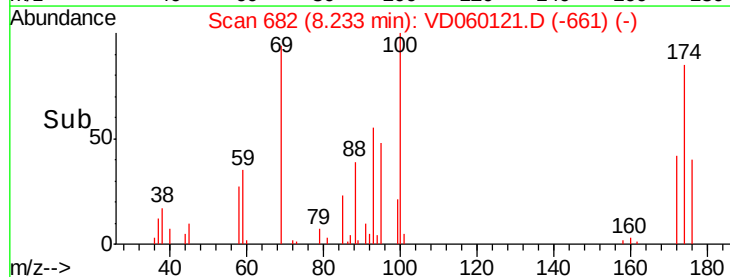
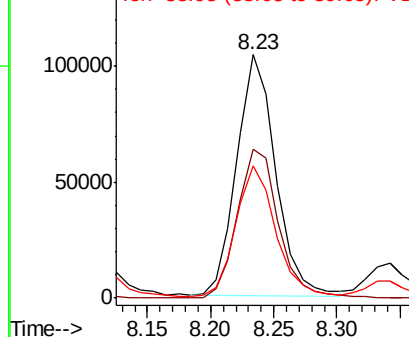
41 100

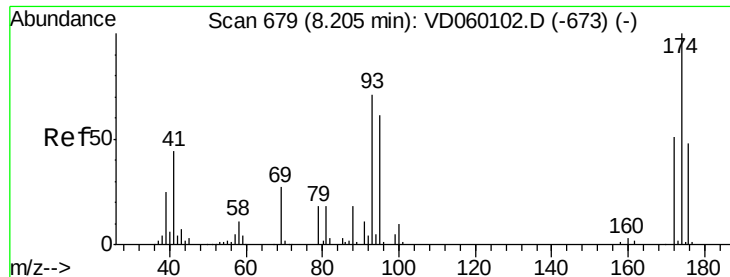
69 61.0 49.7 74.5

39 54.2 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

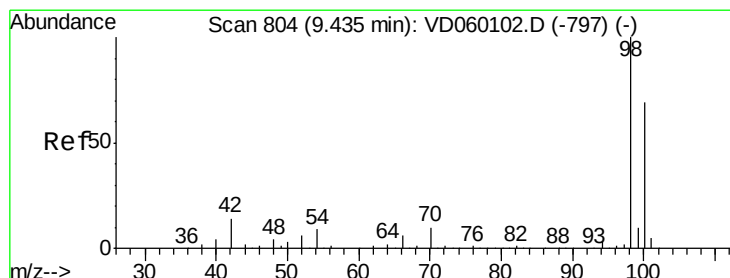
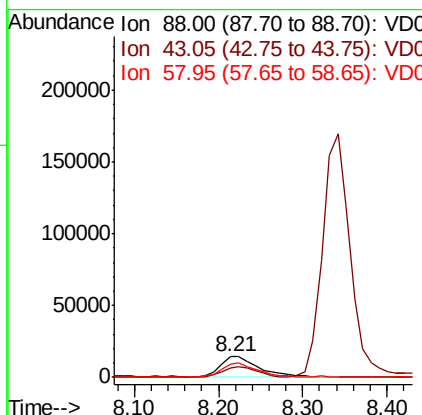
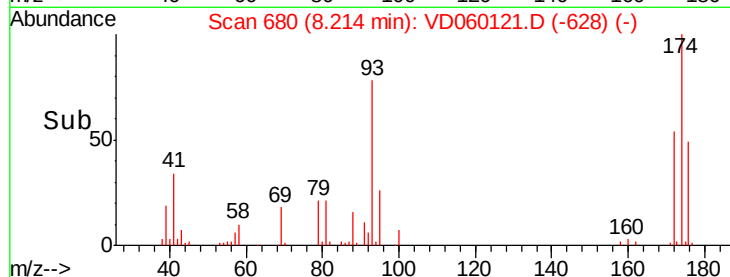
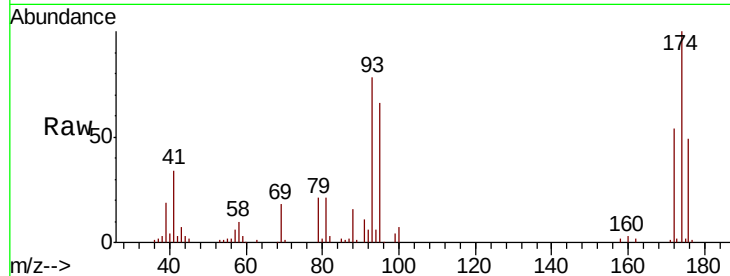




#49
 1,4-Dioxane
 Concen: 462.355 ug/l
 RT: 8.21 min Scan# 680
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

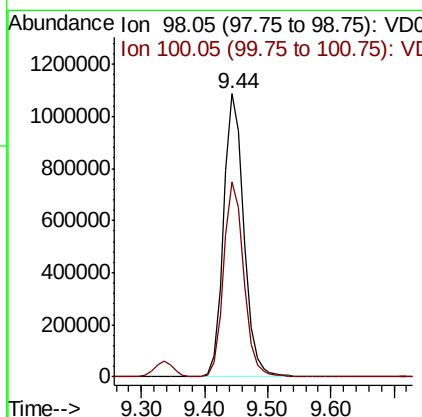
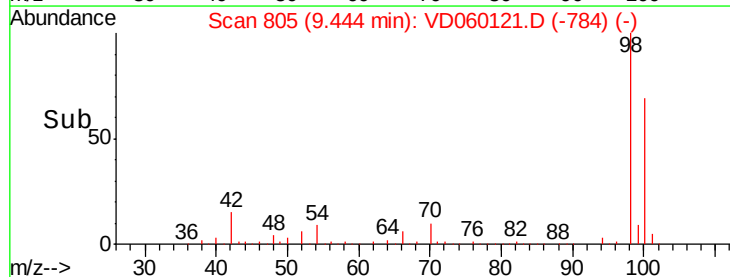
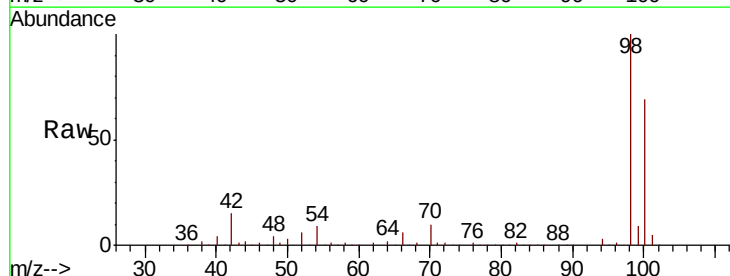
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBSD01

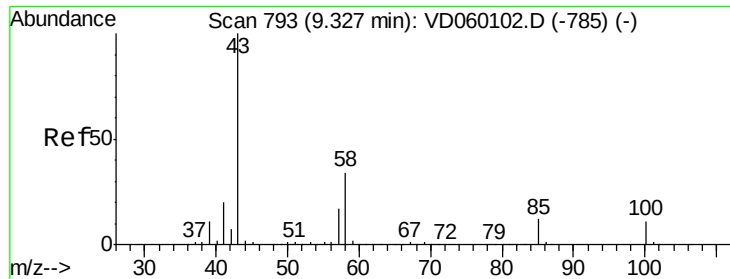
Tot Ion: 88 Resp: 46224
 Ion Ratio Lower Upper
 88 100
 43 43.2 33.7 50.5
 58 63.8 49.1 73.7



#50
 Toluene-d8
 Concen: 462.355 ug/l
 RT: 9.44 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Tgt Ion: 98 Resp: 2424290
 Ion Ratio Lower Upper
 98 100
 100 69.0 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 111.585 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

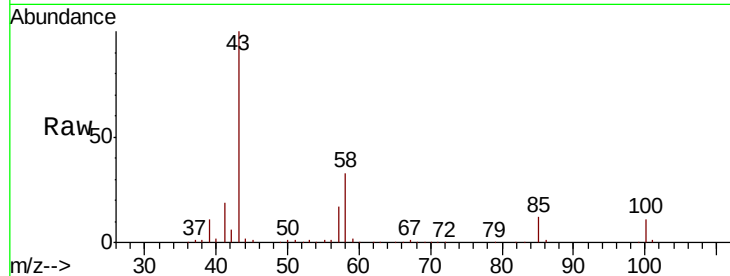
VD1003SBS01

Tot Ion: 43 Resp: 1255456

Ion Ratio Lower Upper

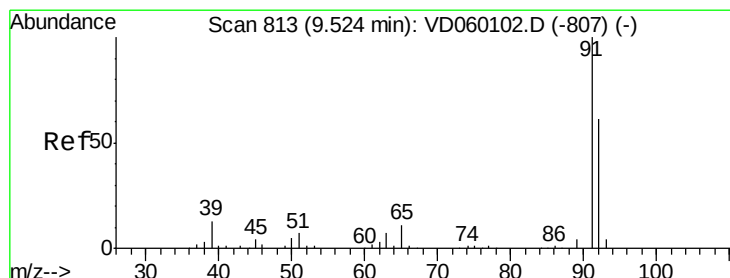
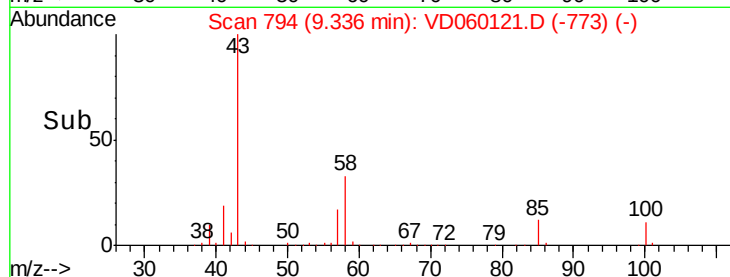
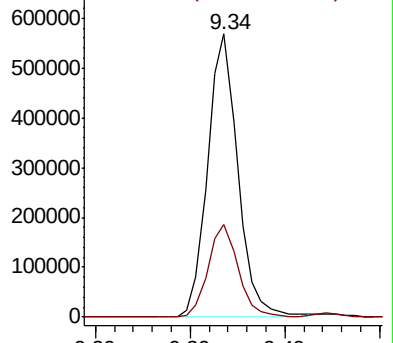
43 100

58 32.9 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.139 ug/l

RT: 9.54 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060121.D

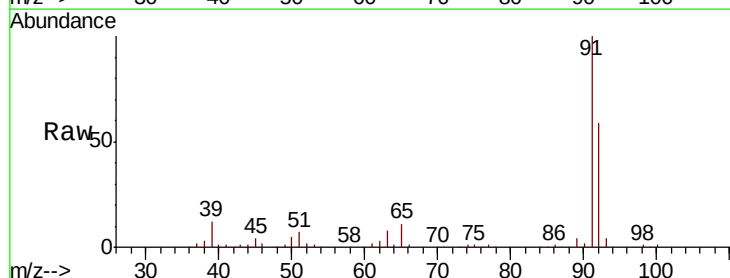
Acq: 3 Oct 2018 16:40

Tgt Ion: 92 Resp: 727552

Ion Ratio Lower Upper

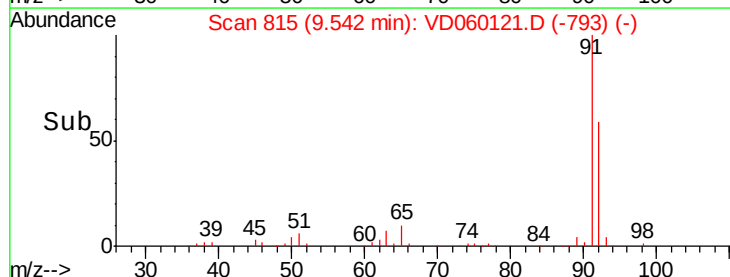
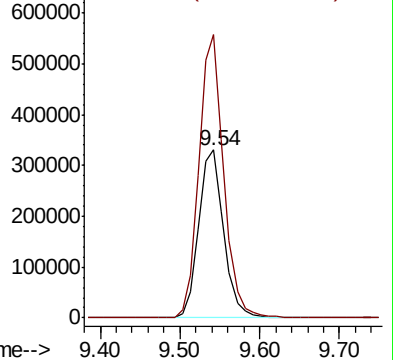
92 100

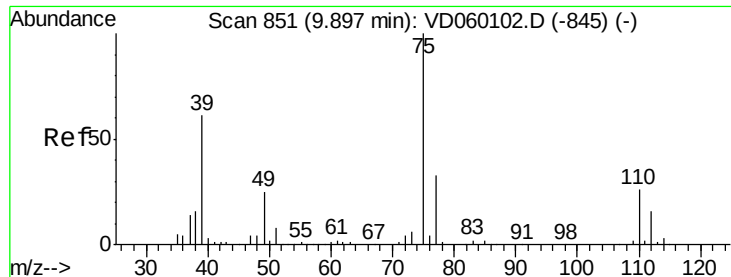
91 168.6 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.203 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

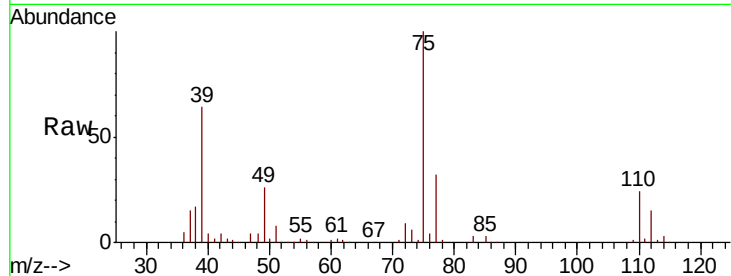
VD1003SBSD01

Tot Ion: 75 Resp: 370332

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.91

200000

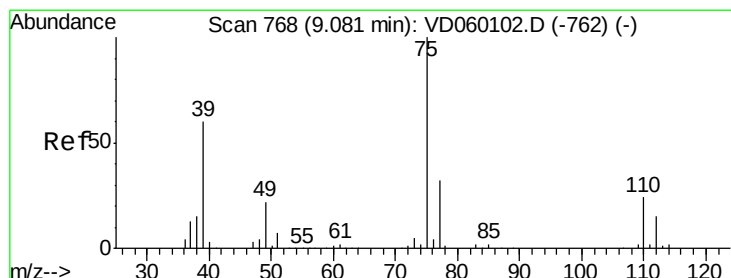
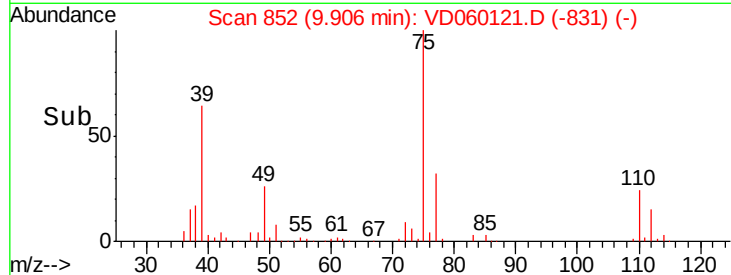
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.154 ug/l

RT: 9.09 min Scan# 769

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

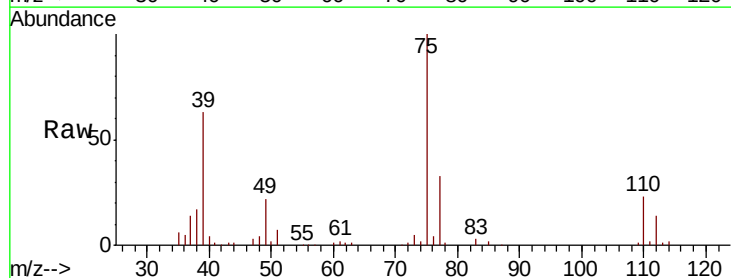
Tgt Ion: 75 Resp: 456259

Ion Ratio Lower Upper

75 100

77 33.1 25.7 38.5

39 62.8 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.09

250000

200000

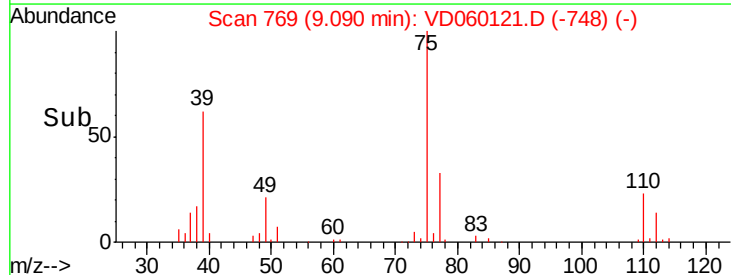
150000

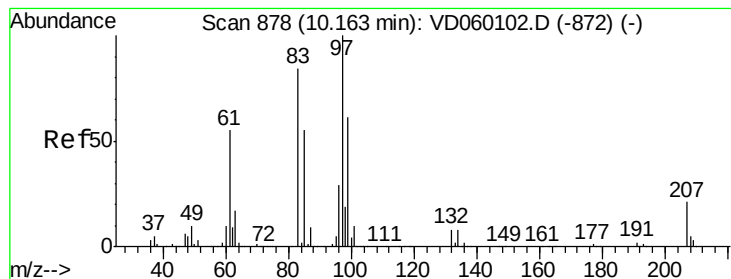
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 21.486 ug/l

RT: 10.17 min Scan# 879

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 97 Resp: 241753

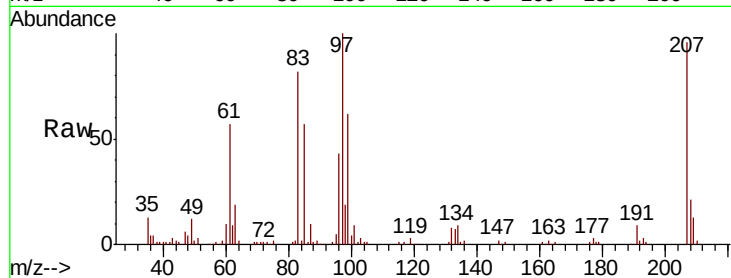
Ion Ratio Lower Upper

97 100

83 81.9 67.0 100.6

85 56.8 43.9 65.9

99 62.2 49.1 73.7

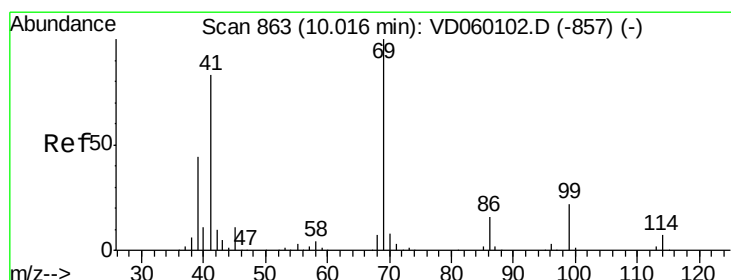
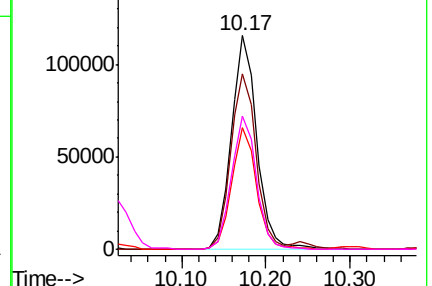
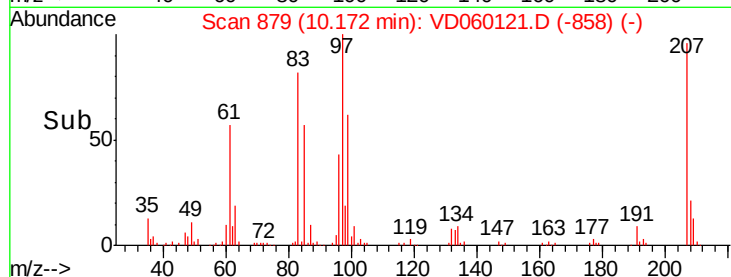


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 22.329 ug/l

RT: 10.02 min Scan# 864

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

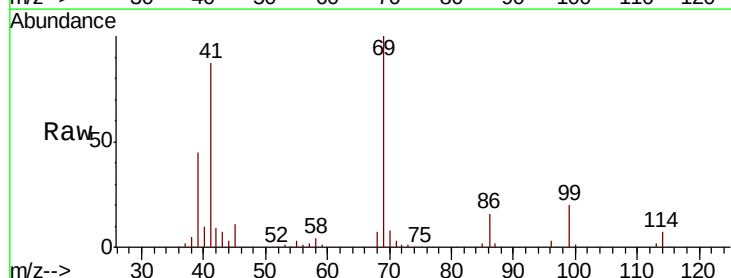
Tgt Ion: 69 Resp: 277331

Ion Ratio Lower Upper

69 100

41 86.6 66.6 100.0

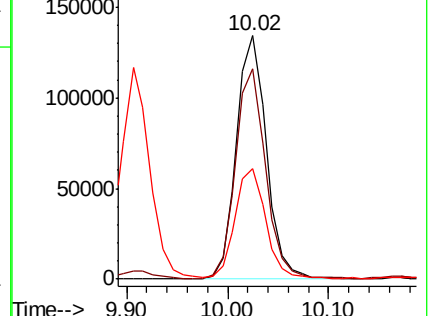
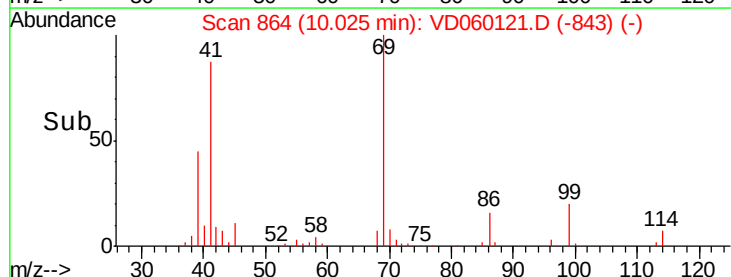
39 45.2 36.0 54.0

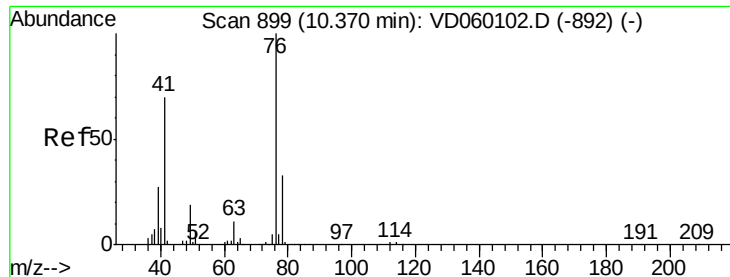


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

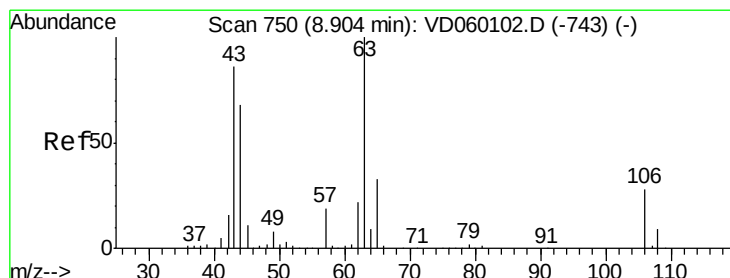
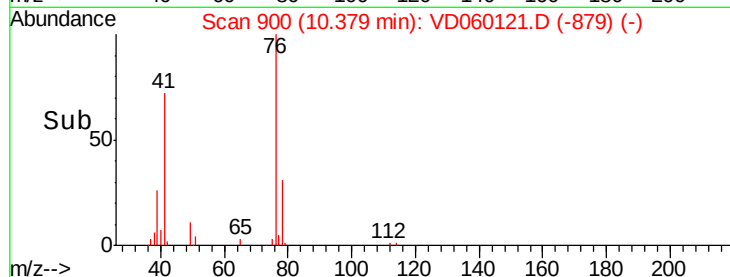
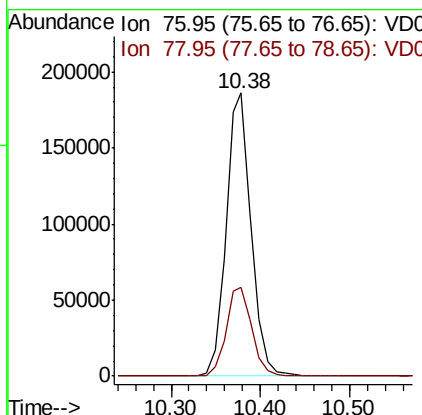
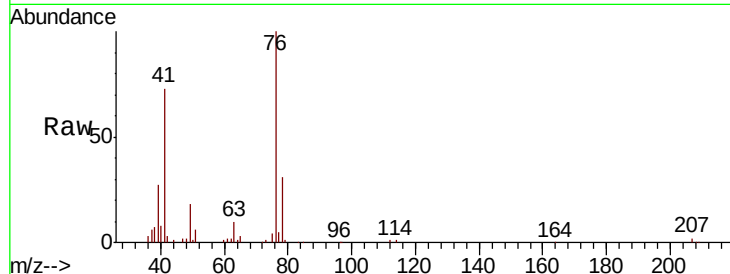




#57
 1,3-Dichloropropane
 Concen: 21.294 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

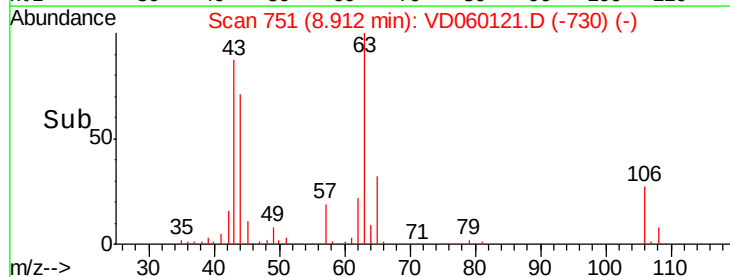
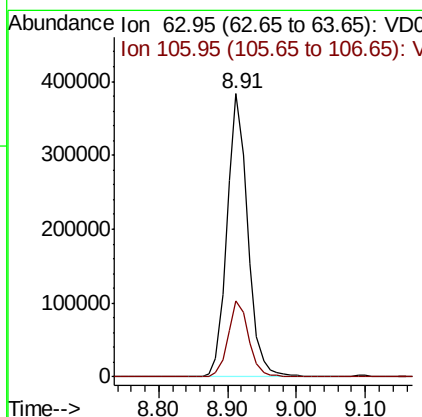
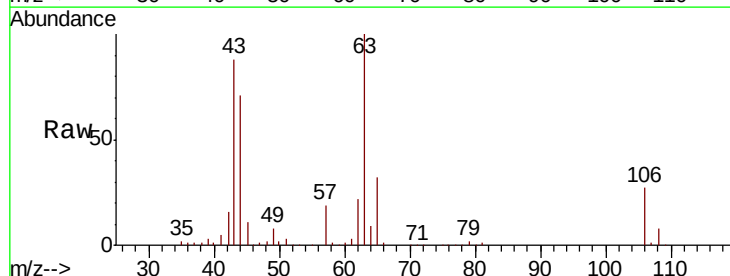
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBSD01

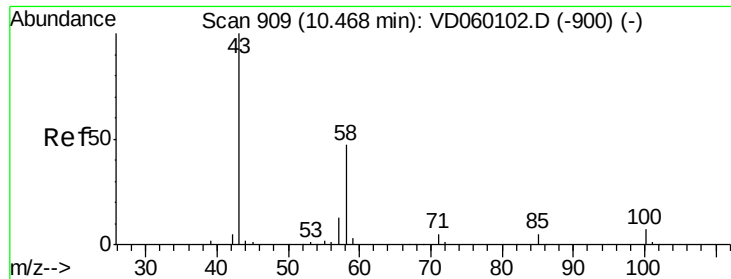
Tot Ion: 76 Resp: 365404
 Ion Ratio Lower Upper
 76 100
 78 31.4 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.250 ug/l
 RT: 8.91 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Tgt Ion: 63 Resp: 794890
 Ion Ratio Lower Upper
 63 100
 106 27.0 22.6 34.0

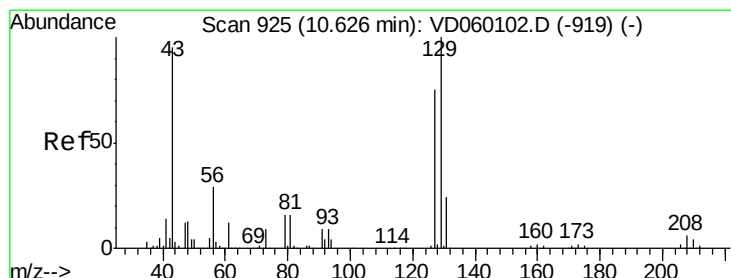
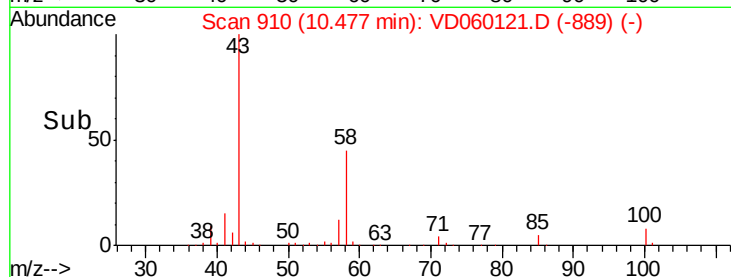
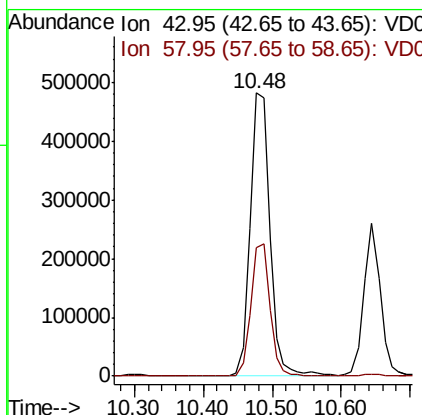
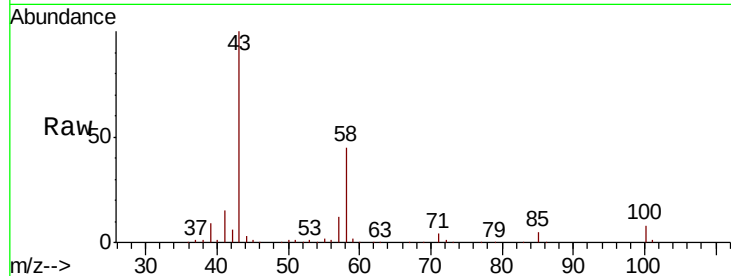




#59
2-Hexanone
Concen: 118.564 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

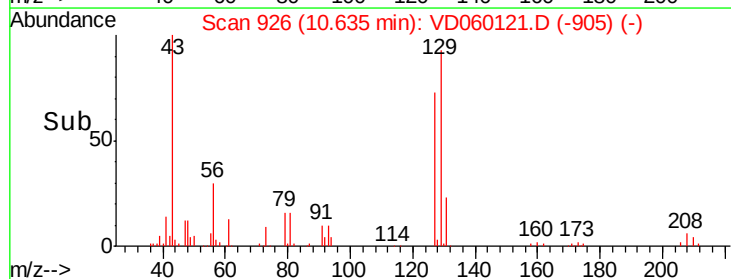
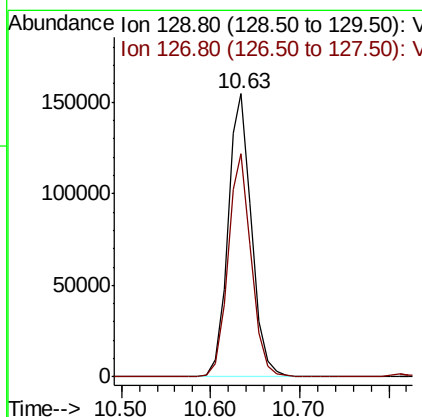
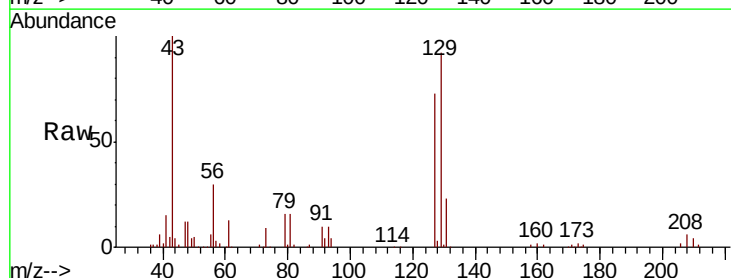
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

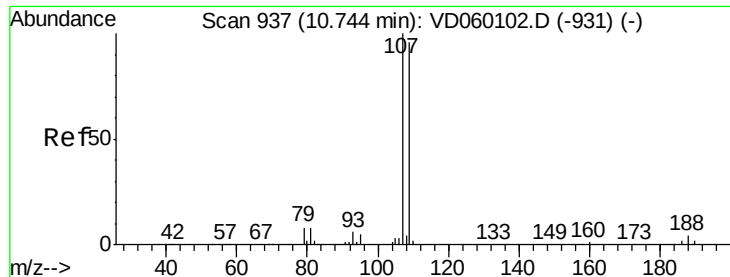
Tot Ion: 43 Resp: 959231
Ion Ratio Lower Upper
43 100
58 45.3 23.3 69.9



#60
Dibromochloromethane
Concen: 20.734 ug/l
RT: 10.63 min Scan# 926
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion: 129 Resp: 286232
Ion Ratio Lower Upper
129 100
127 79.0 37.4 112.2





#61

1,2-Dibromoethane

Concen: 21.154 ug/l

RT: 10.75 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

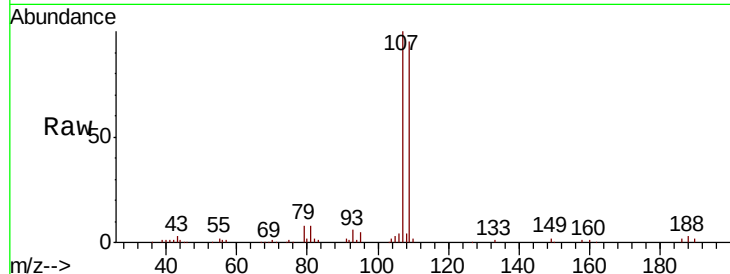
VD1003SBSD01

Tot Ion: 107 Resp: 252903

Ion Ratio Lower Upper

107 100

109 95.1 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

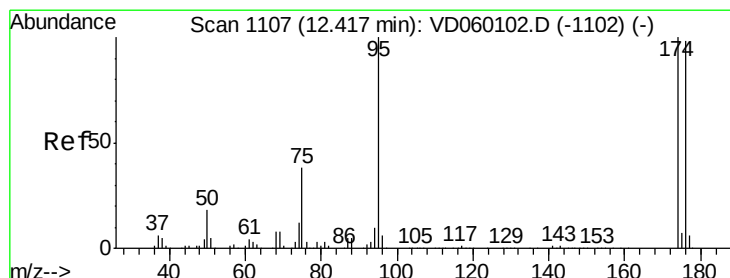
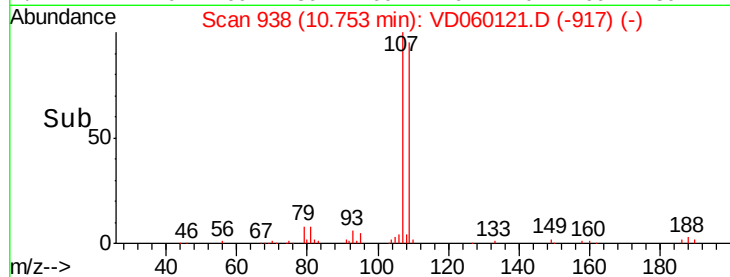
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 21.154 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

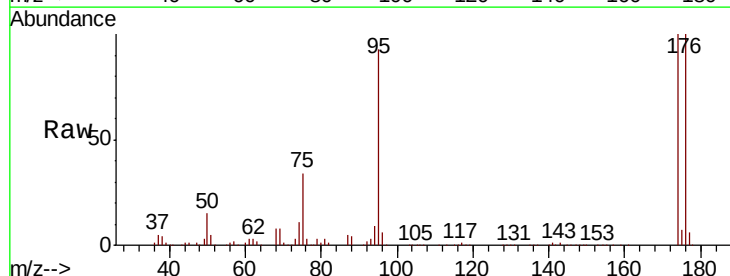
Tgt Ion: 95 Resp: 921922

Ion Ratio Lower Upper

95 100

174 107.6 0.0 200.2

176 107.1 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

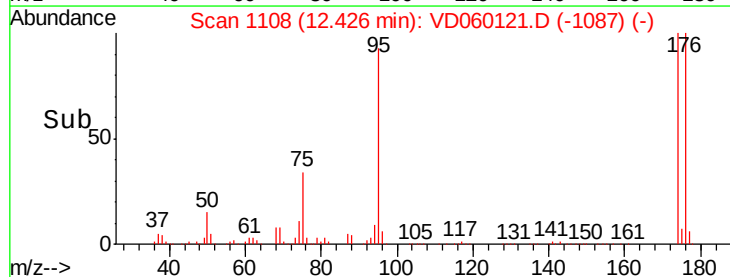
600000

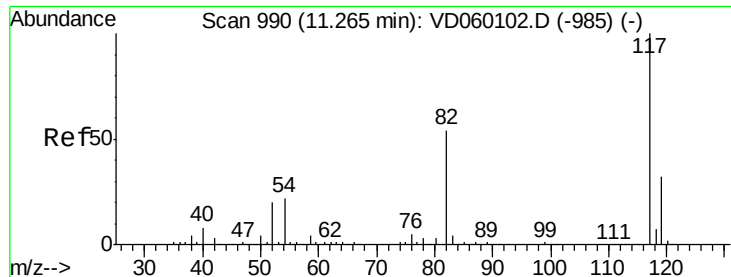
400000

200000

0

Time-->

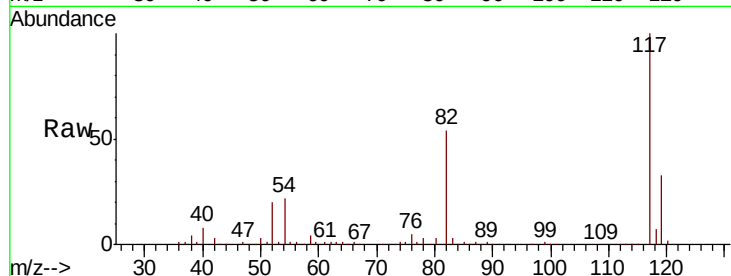




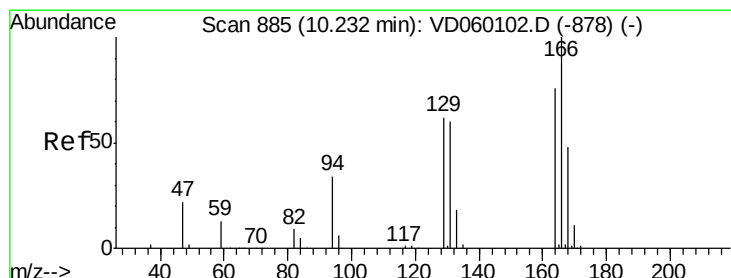
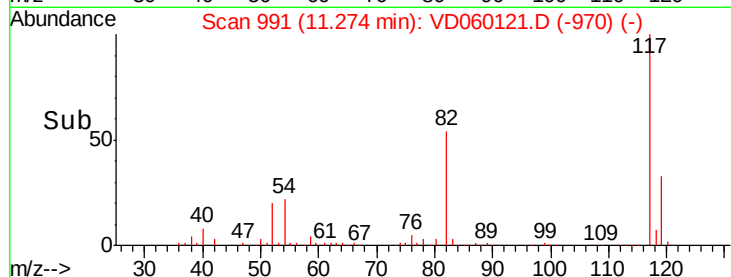
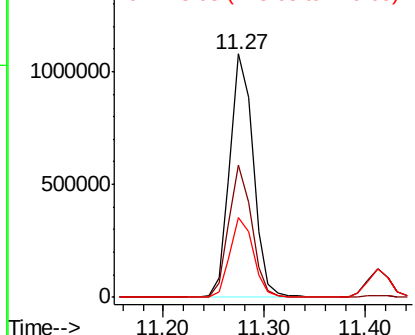
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

Tot Ion:117 Resp: 1748751
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.2
119 32.8 26.0 39.0

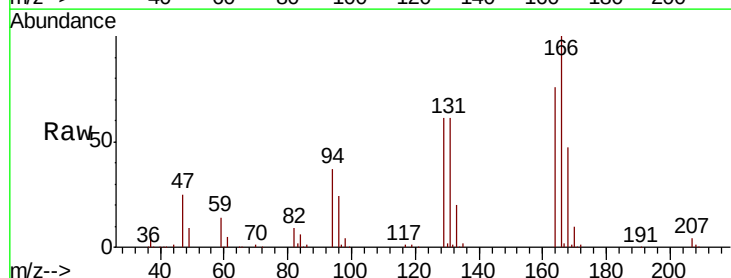


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

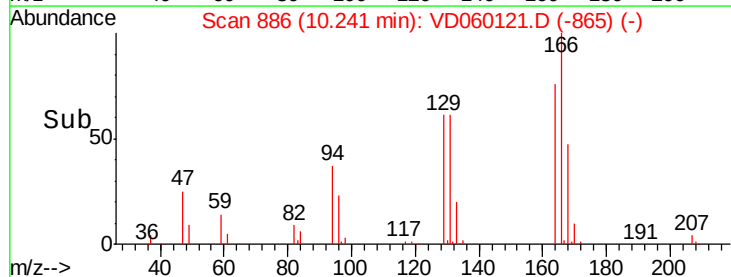
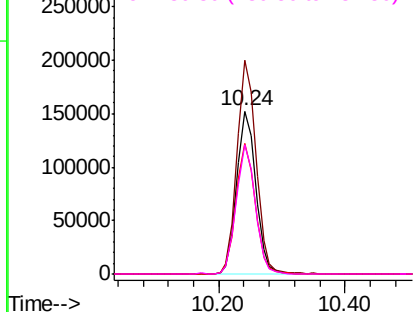


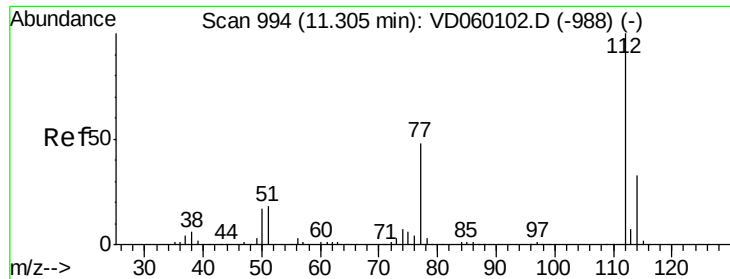
#64
Tetrachloroethene
Concen: 20.703 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion:164 Resp: 317096
Ion Ratio Lower Upper
164 100
166 131.2 105.4 158.0
129 80.3 65.7 98.5
131 79.5 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

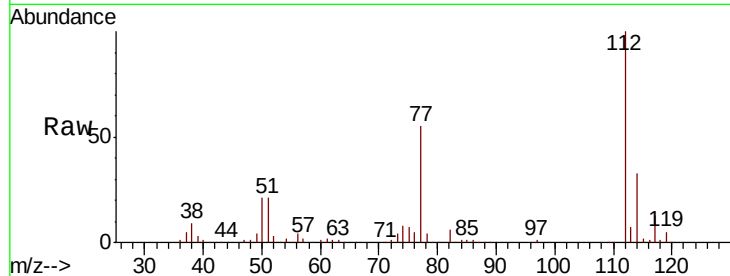




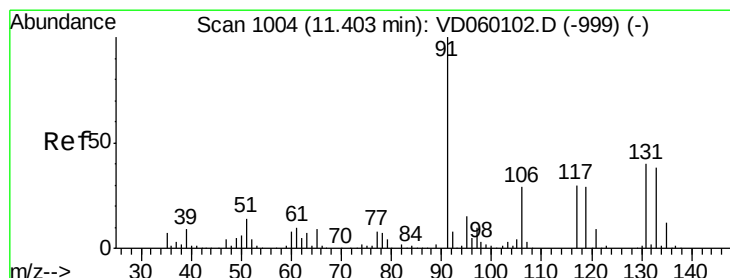
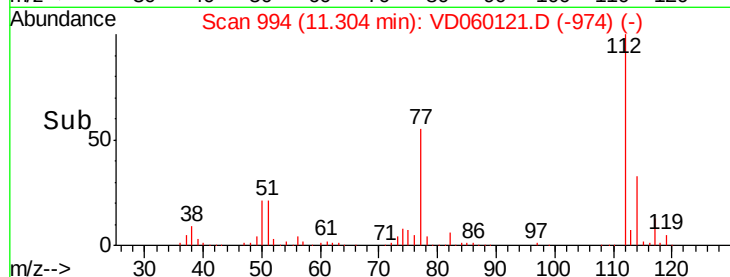
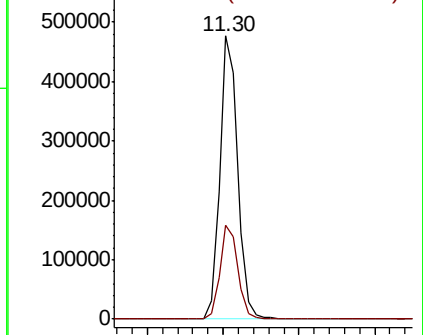
#65
Chlorobenzene
Concen: 20.778 ug/l
RT: 11.30 min Scan# 994
Delta R.T. -0.00 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

Tot Ion:112 Resp: 786052
Ion Ratio Lower Upper
112 100
114 33.3 26.0 39.0

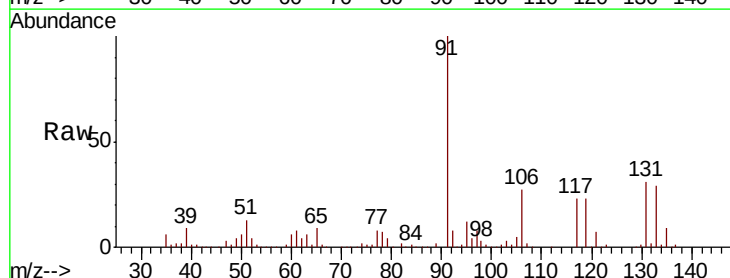


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

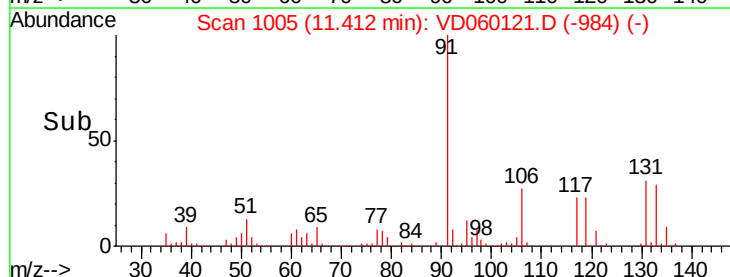
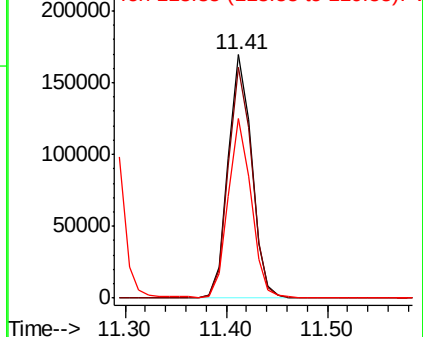


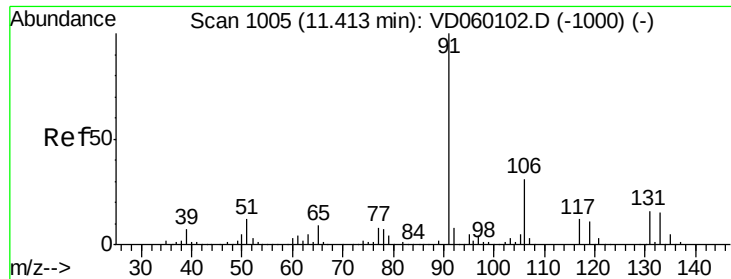
#66
1,1,1,2-Tetrachloroethane
Concen: 21.680 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion:131 Resp: 273618
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.3
119 73.6 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

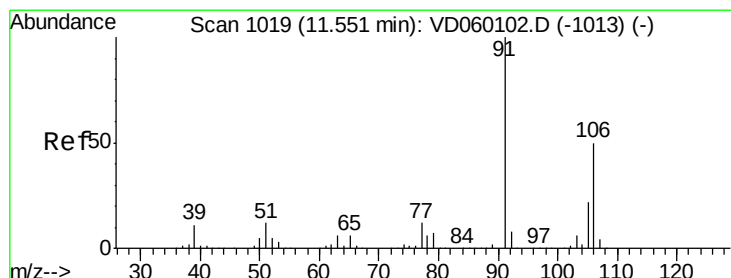
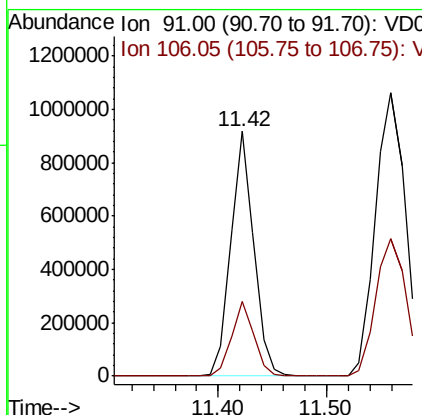
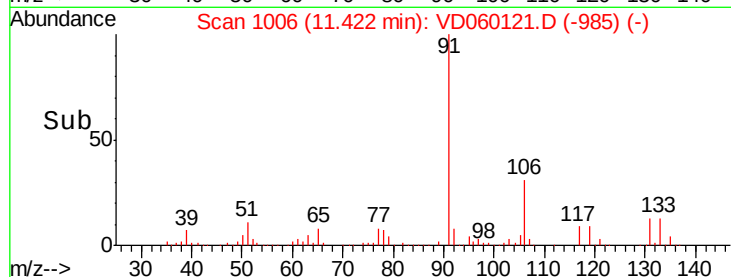
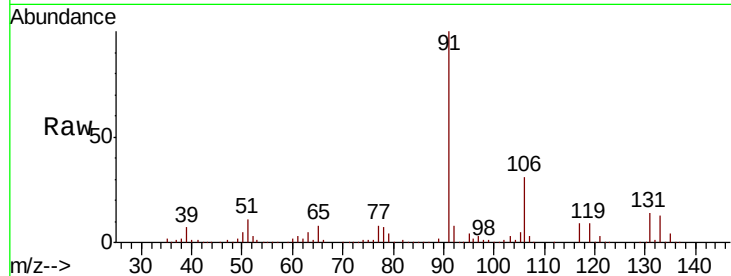




#67
Ethyl Benzene
Concen: 22.231 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

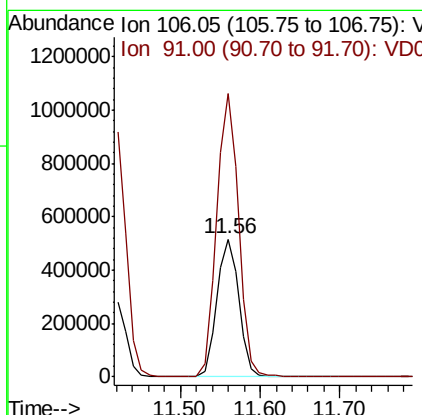
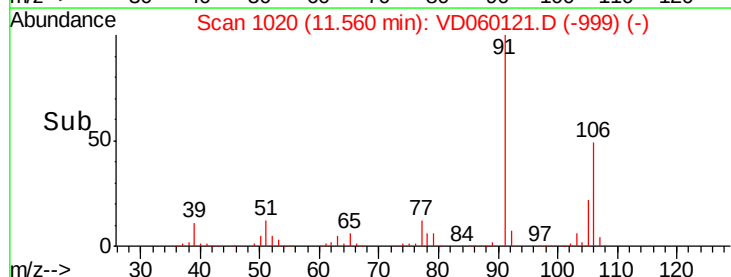
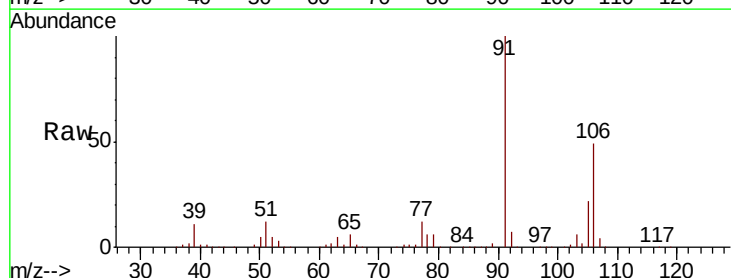
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

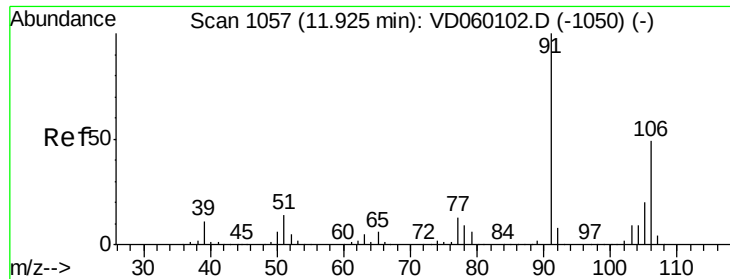
Tot Ion: 91 Resp: 1362658
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6



#68
m/p-Xylenes
Concen: 43.932 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion: 106 Resp: 1006124
Ion Ratio Lower Upper
106 100
91 205.9 160.0 240.0

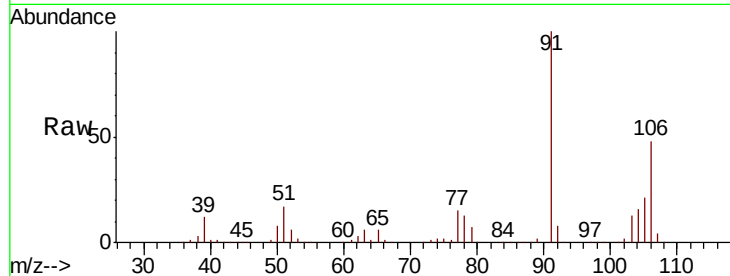




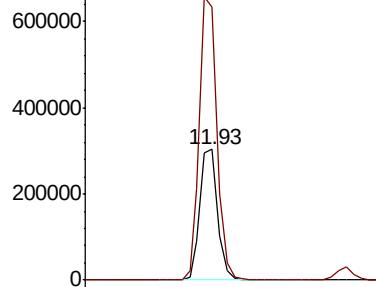
#69
o-Xylene
Concen: 21.621 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

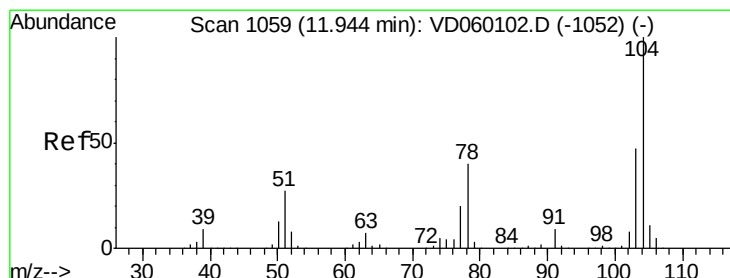
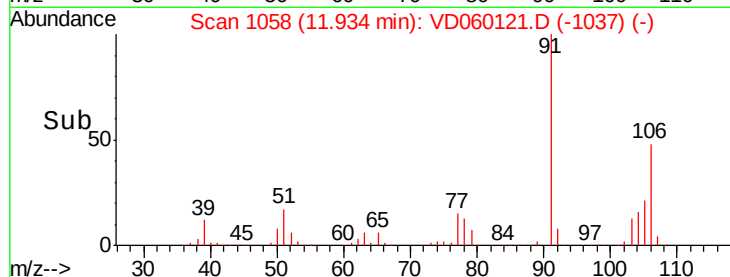
Tot Ion:106 Resp: 489773
Ion Ratio Lower Upper
106 100
91 209.3 102.5 307.5



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

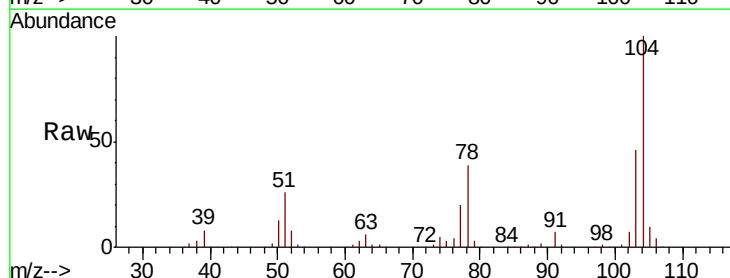


Time-->

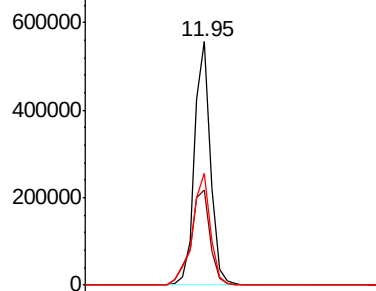


#70
Styrene
Concen: 21.564 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

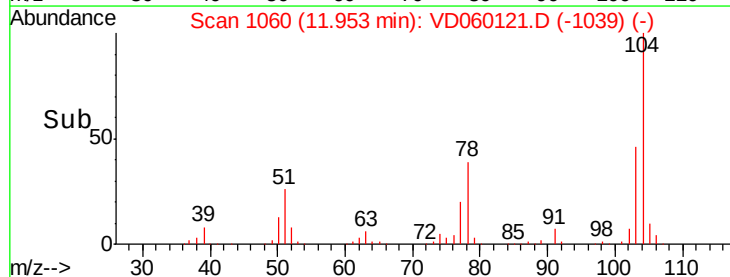
Tgt Ion:104 Resp: 816910
Ion Ratio Lower Upper
104 100
78 39.2 32.2 48.4
103 45.7 37.4 56.0

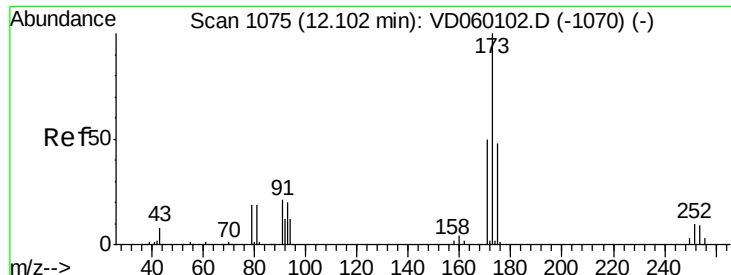


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time-->





#71

Bromoform

Concen: 20.441 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBSD01

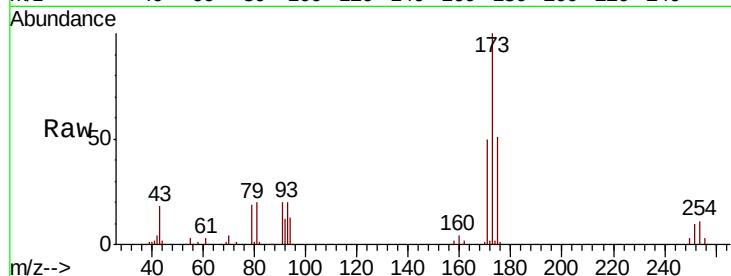
Tot Ion:173 Resp: 208904

Ion Ratio Lower Upper

173 100

175 51.1 24.1 72.4

254 10.7 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

200000

150000

100000

50000

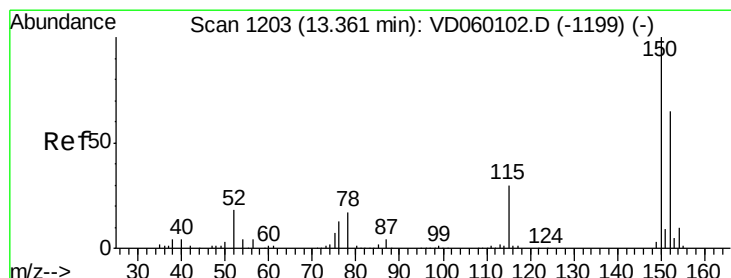
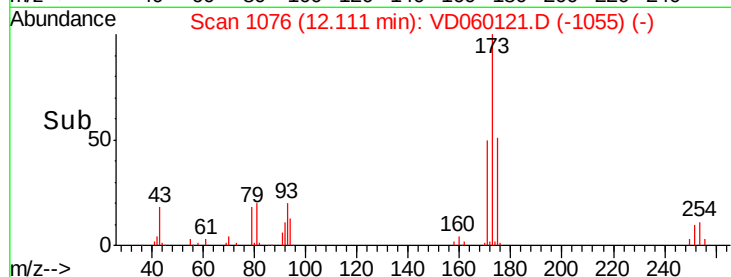
0

12.11

12.10

12.20

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

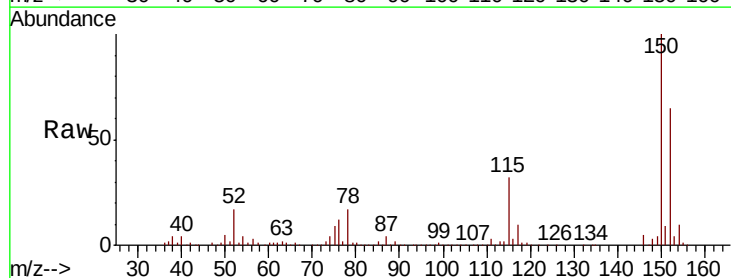
Tgt Ion:152 Resp: 910091

Ion Ratio Lower Upper

152 100

115 49.1 27.1 81.2

150 154.0 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

1000000

500000

0

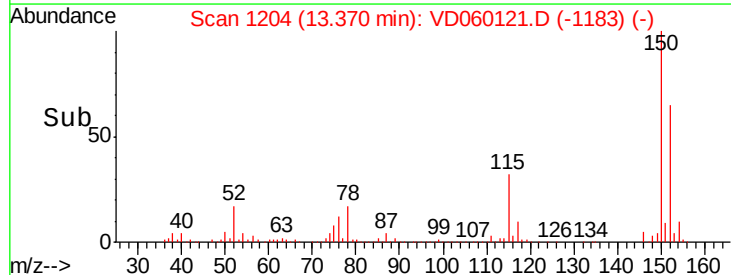
13.37

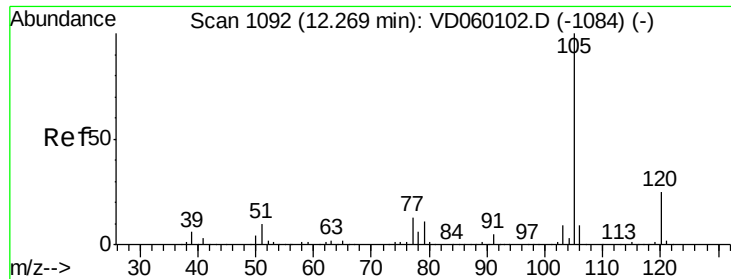
13.30

13.40

13.50

Time-->





#73

Isopropylbenzene

Concen: 21.996 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

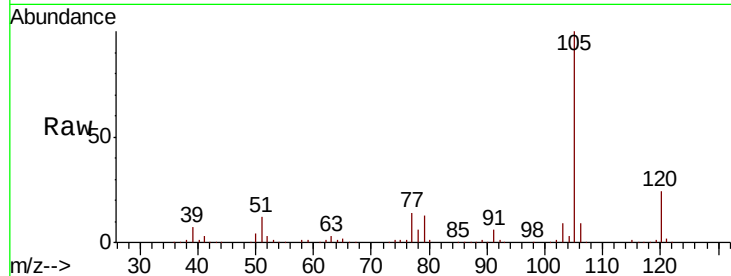
VD1003SBS01

Tot Ion:105 Resp: 1320658

Ion Ratio Lower Upper

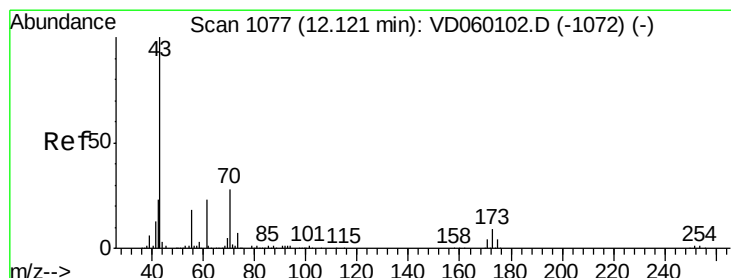
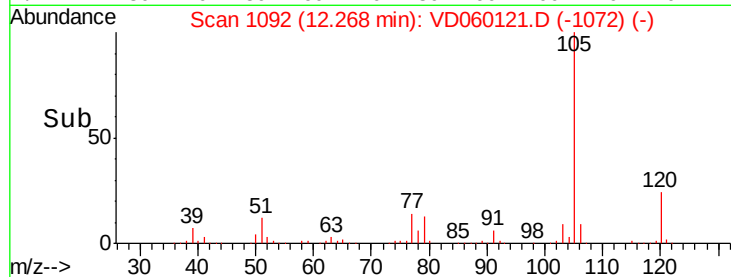
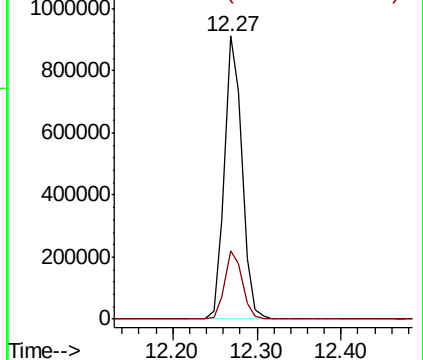
105 100

120 24.1 12.6 37.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.034 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Tgt Ion: 43 Resp: 484580

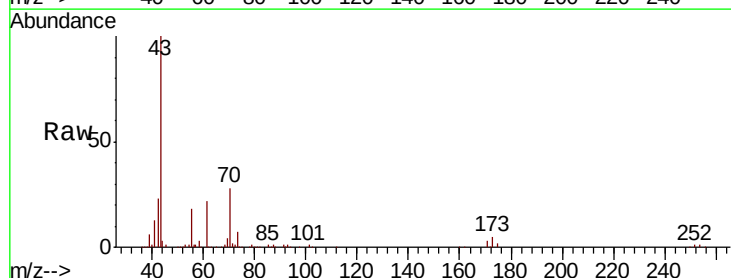
Ion Ratio Lower Upper

43 100

70 28.4 22.1 33.1

55 17.6 14.1 21.1

61 22.2 18.4 27.6

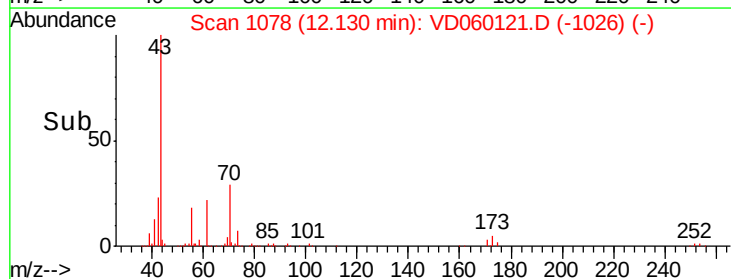
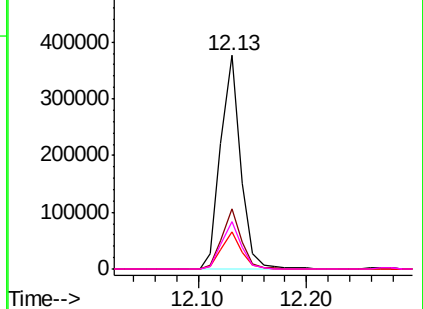


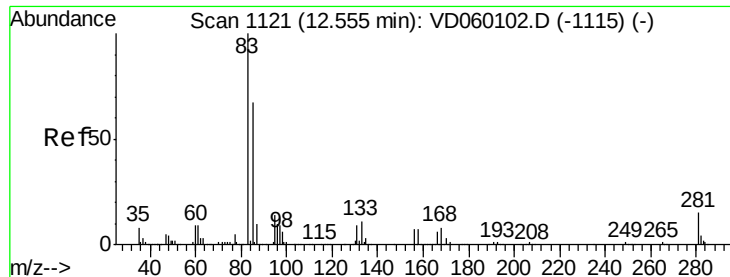
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.700 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

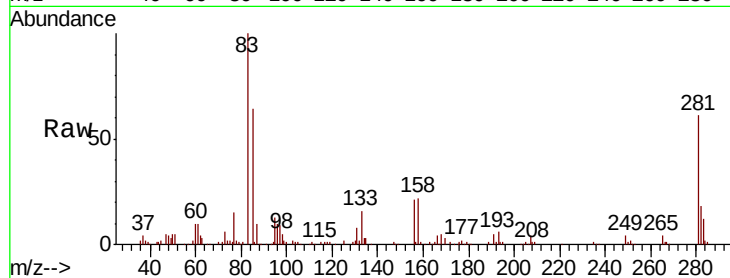
Tot Ion: 83 Resp: 284439

Ion Ratio Lower Upper

83 100

131 7.9 4.5 13.4

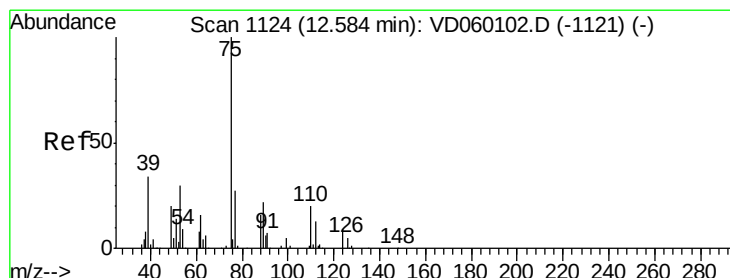
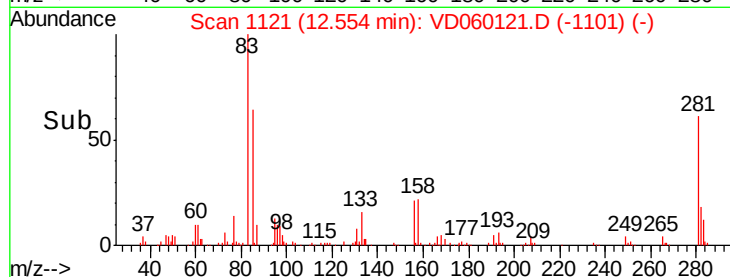
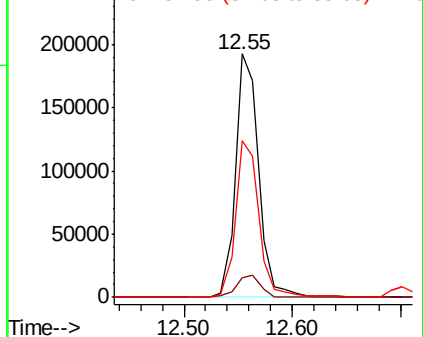
85 64.1 33.3 99.9



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: 21.510 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060121.D

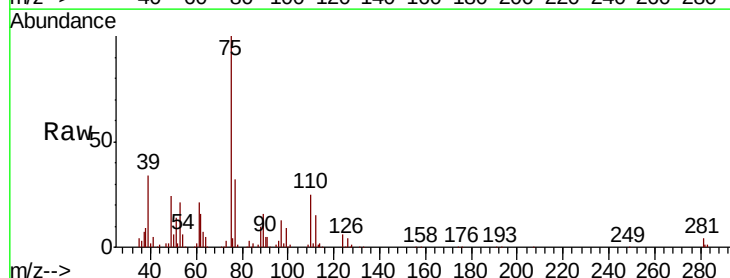
Acq: 3 Oct 2018 16:40

Tgt Ion: 75 Resp: 281914

Ion Ratio Lower Upper

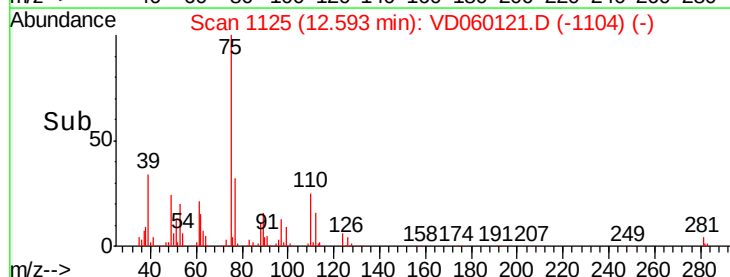
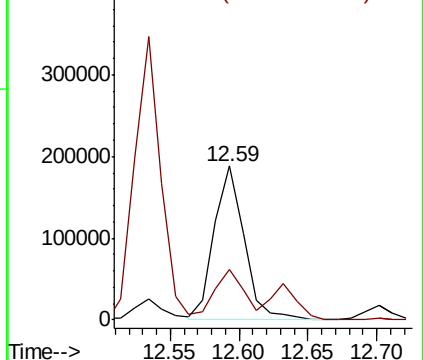
75 100

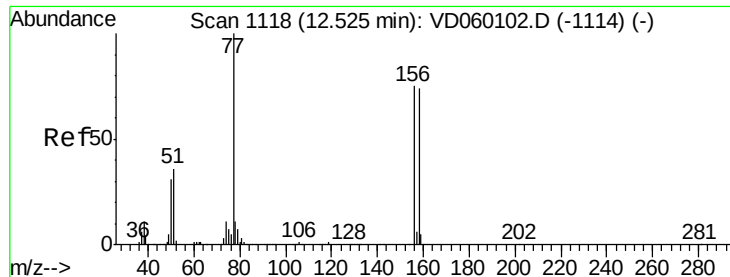
77 32.4 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.580 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBSD01

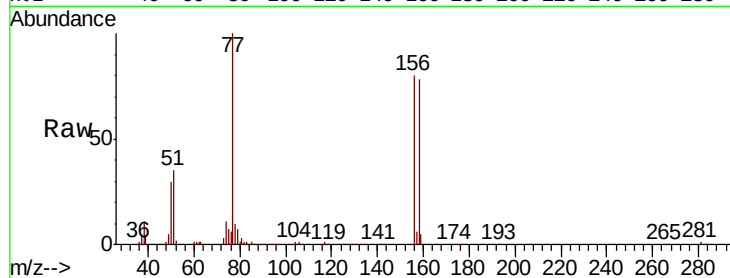
Tot Ion:156 Resp: 376506

Ion Ratio Lower Upper

156 100

77 124.9 66.9 200.7

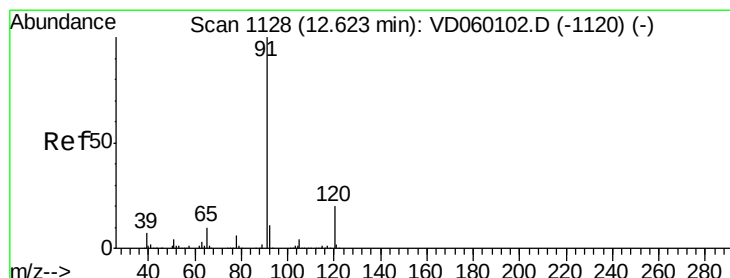
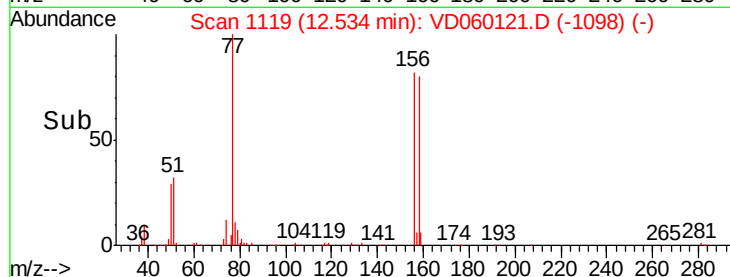
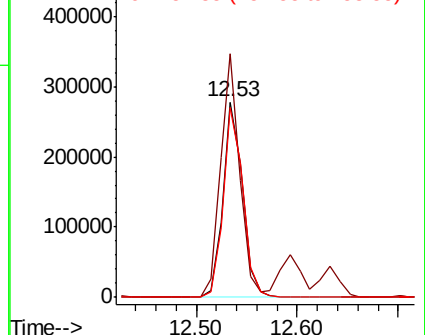
158 97.5 49.1 147.4



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: 21.998 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060121.D

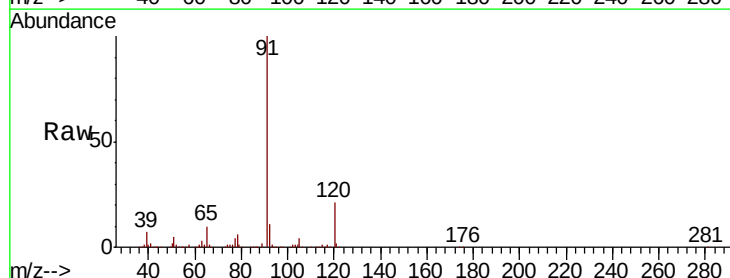
Acq: 3 Oct 2018 16:40

Tgt Ion: 91 Resp: 1639994

Ion Ratio Lower Upper

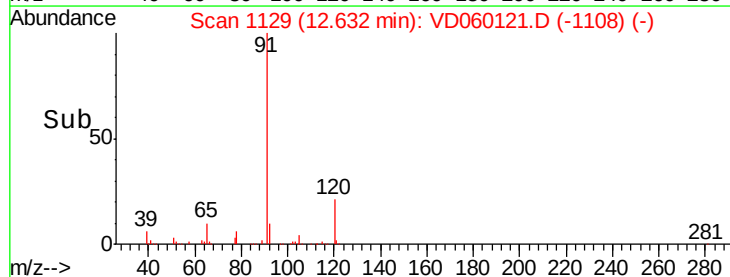
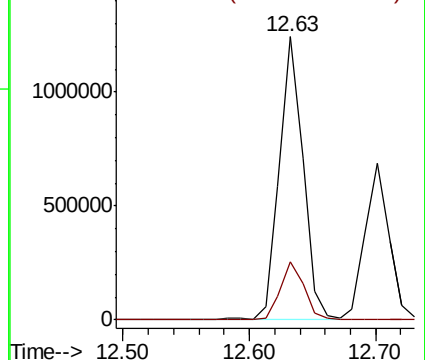
91 100

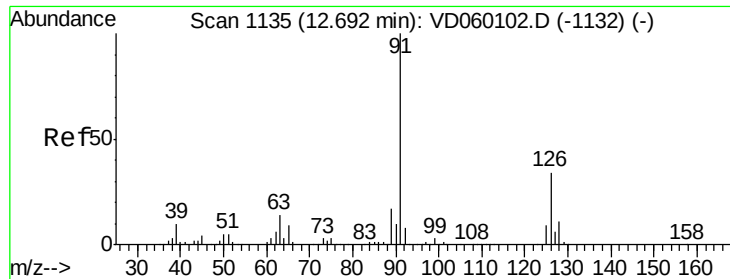
120 20.7 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

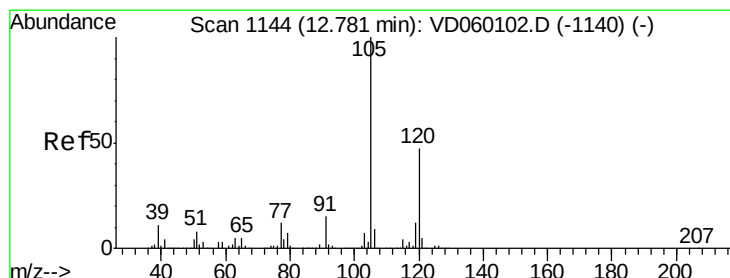
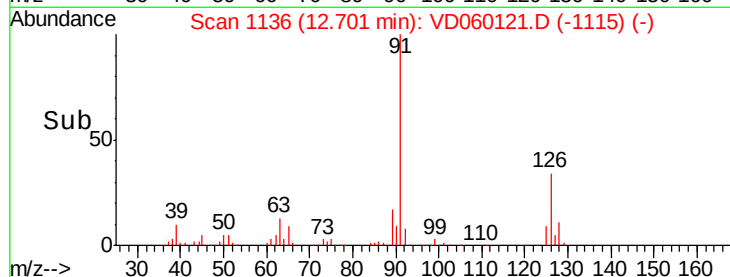
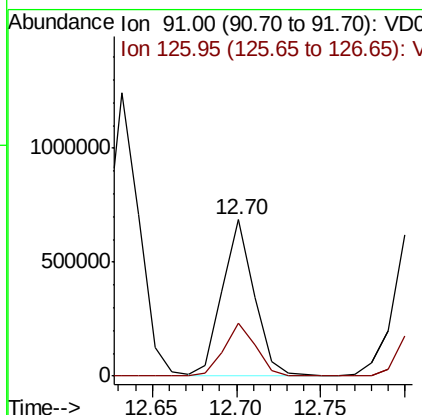
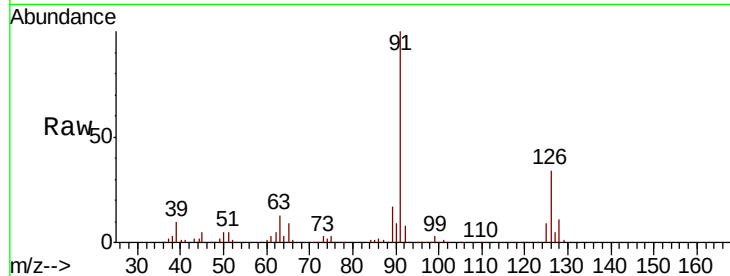




#79
 2-Chlorotoluene
 Concen: 21.689 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

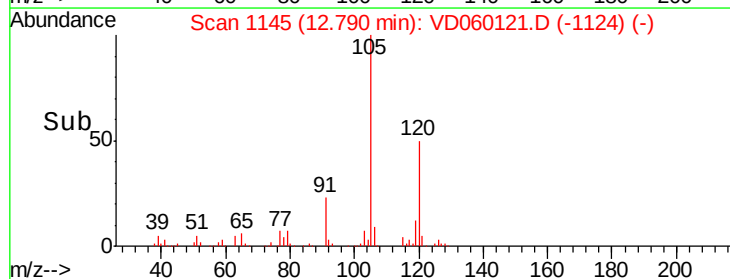
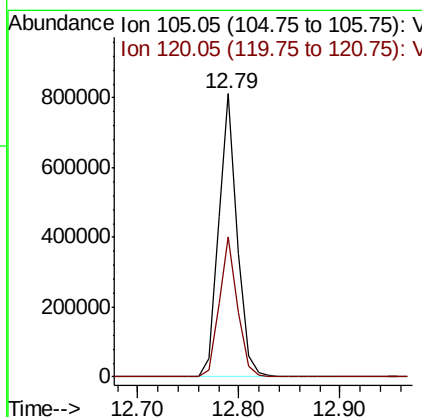
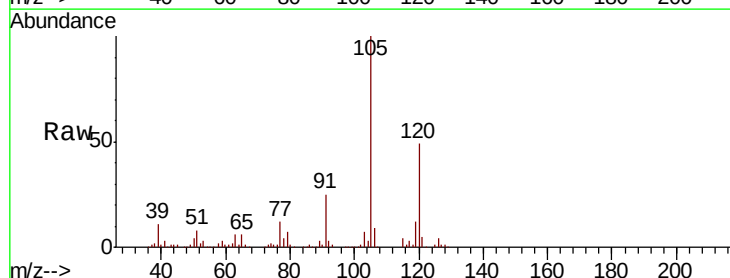
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBSD01

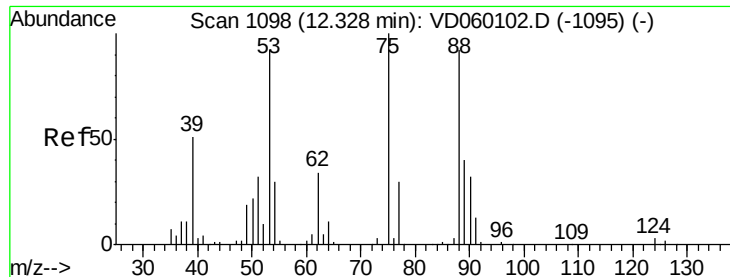
Tot Ion: 91 Resp: 897441
 Ion Ratio Lower Upper
 91 100
 126 34.0 16.8 50.3



#80
 1,3,5-Trimethylbenzene
 Concen: 22.334 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Tgt Ion:105 Resp: 1037847
 Ion Ratio Lower Upper
 105 100
 120 49.5 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 21.675 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBSD01

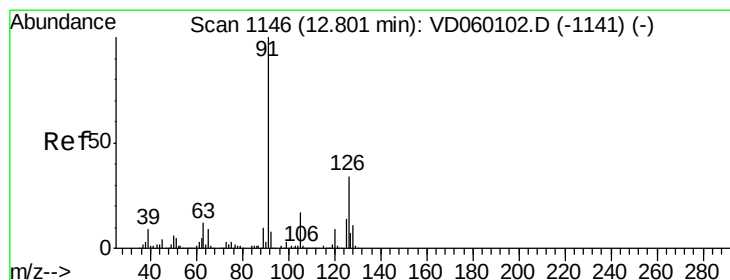
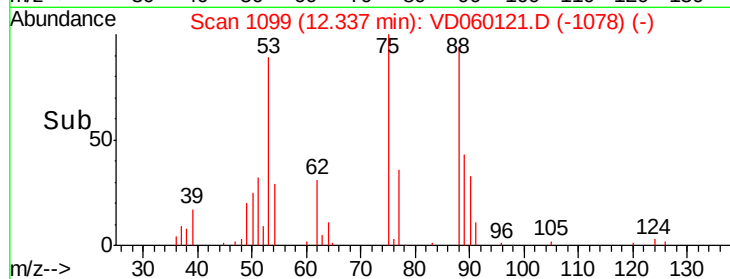
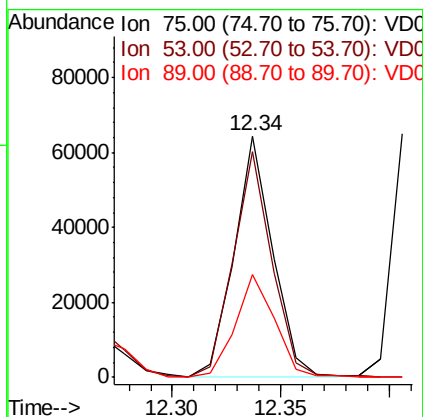
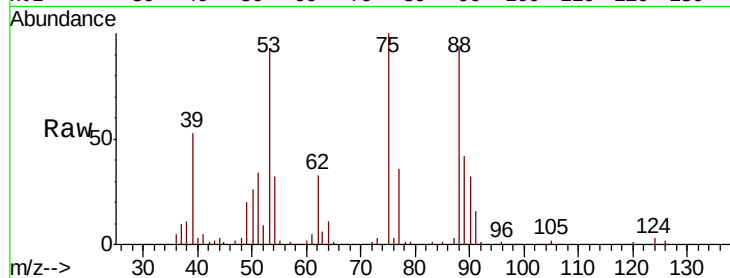
Tot Ion: 75 Resp: 79825

Ion Ratio Lower Upper

75 100

53 93.5 73.0 109.6

89 42.4 32.0 48.0



#82

4-Chlorotoluene

Concen: 22.603 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060121.D

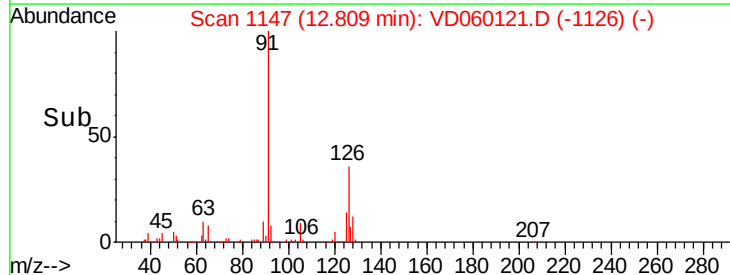
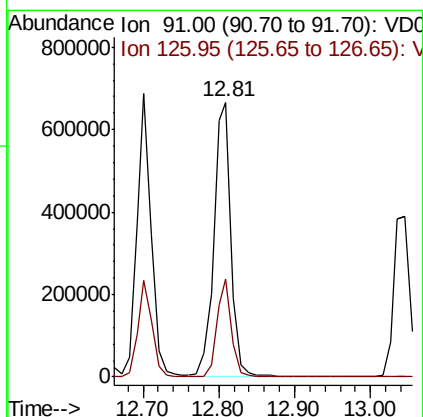
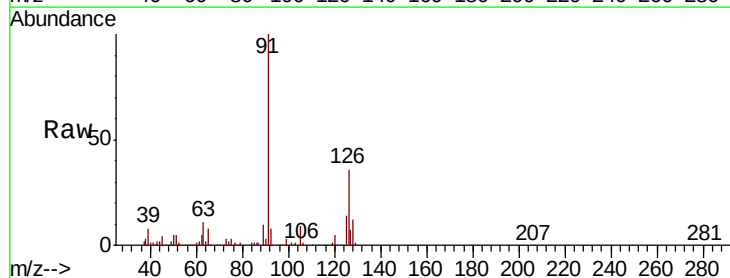
Acq: 3 Oct 2018 16:40

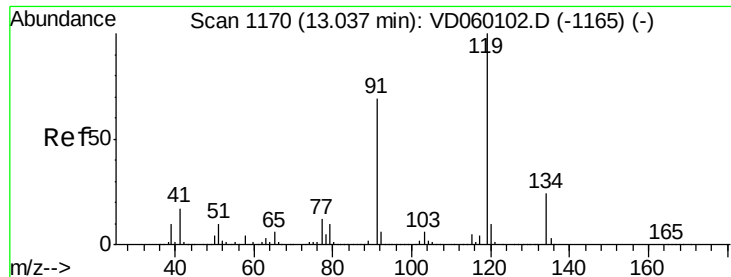
Tgt Ion: 91 Resp: 1057846

Ion Ratio Lower Upper

91 100

126 35.7 17.1 51.2

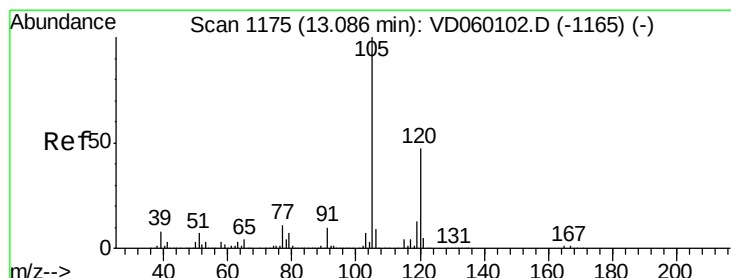
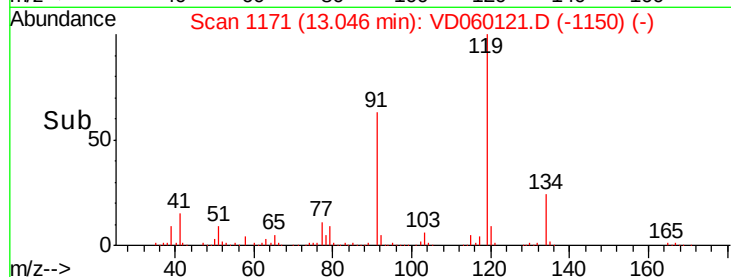
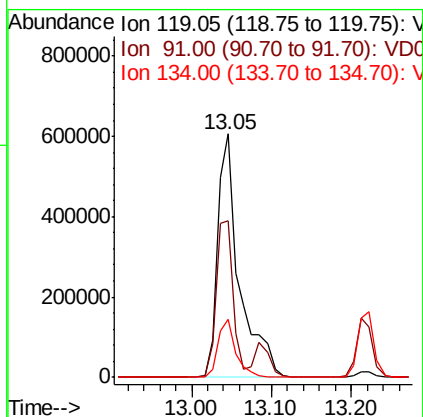
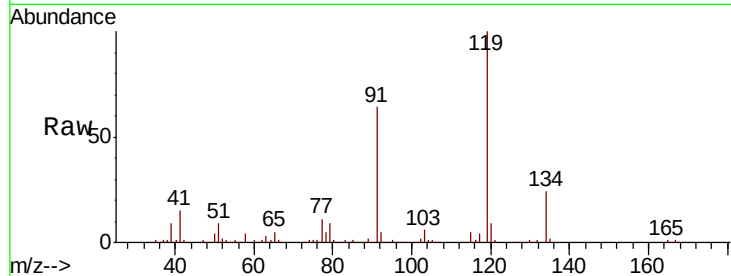




#83
 tert-Butylbenzene
 Concen: 21.763 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

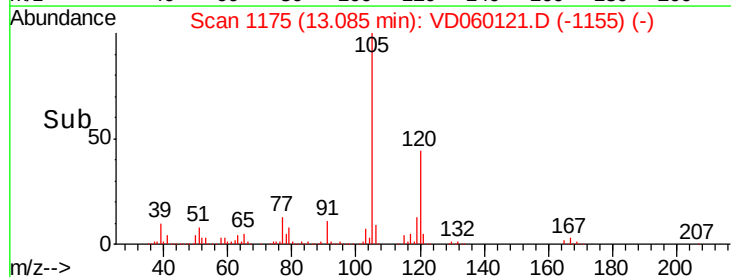
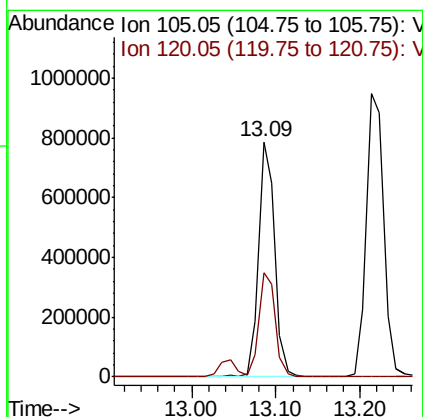
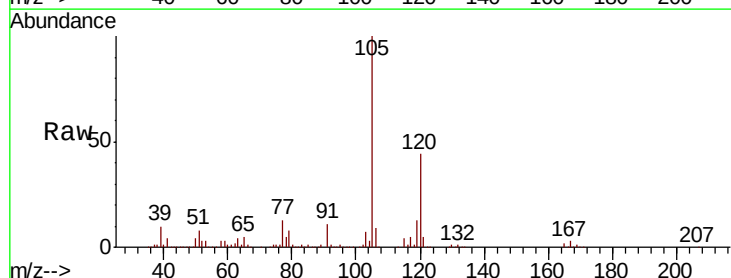
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBSD01

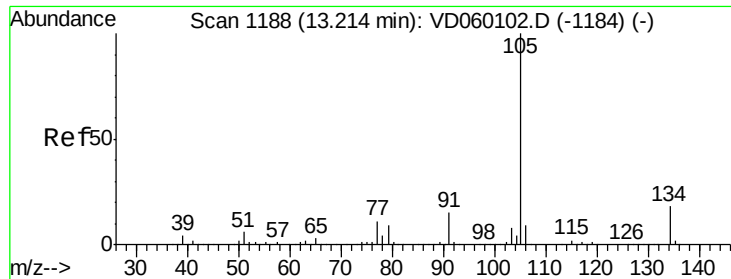
Tot Ion:119 Resp: 1160522
 Ion Ratio Lower Upper
 119 100
 91 64.4 34.8 104.4
 134 24.0 11.8 35.4



#84
 1,2,4-Trimethylbenzene
 Concen: 21.863 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Tgt Ion:105 Resp: 1070753
 Ion Ratio Lower Upper
 105 100
 120 44.2 23.4 70.0





#85

sec-Butylbenzene

Concen: 21.666 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

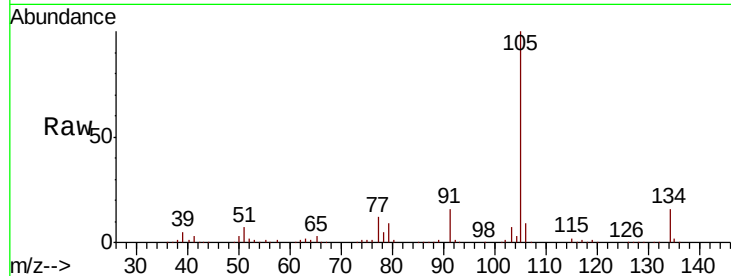
VD1003SBSD01

Tot Ion:105 Resp: 1366030

Ion Ratio Lower Upper

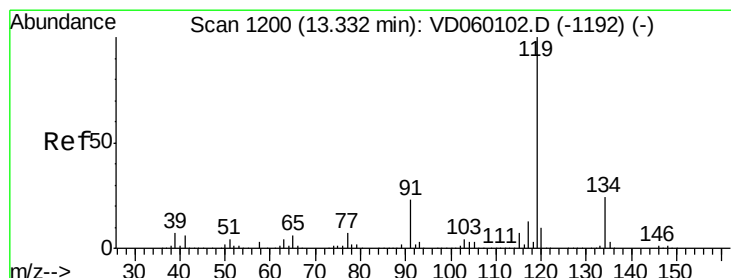
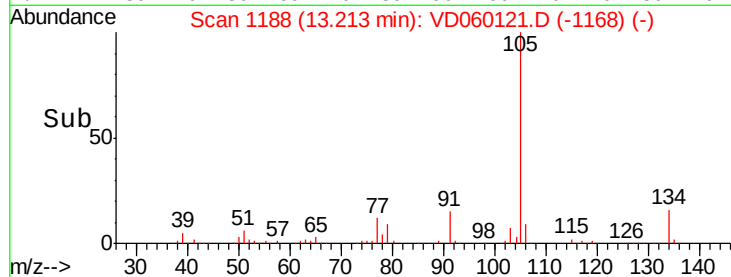
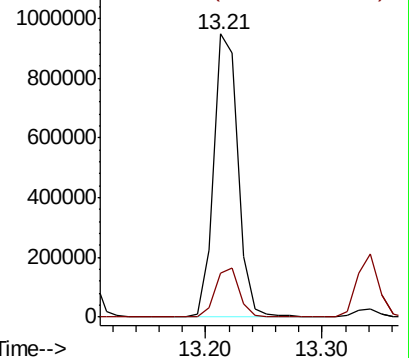
105 100

134 15.7 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.472 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

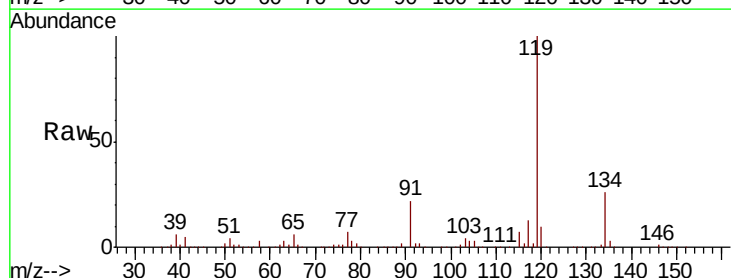
Tgt Ion:119 Resp: 1110383

Ion Ratio Lower Upper

119 100

134 25.6 12.3 36.8

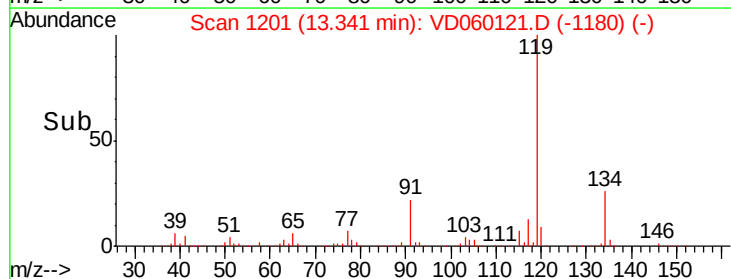
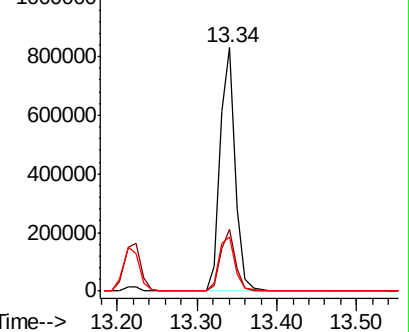
91 22.0 11.8 35.4

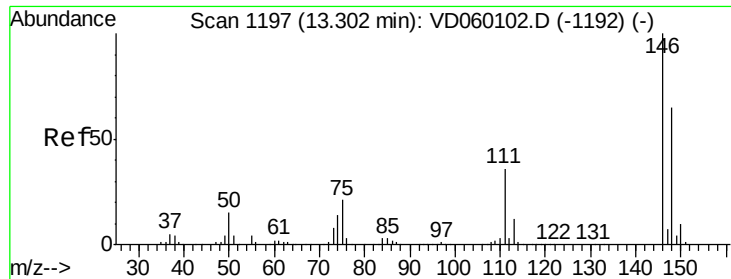


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

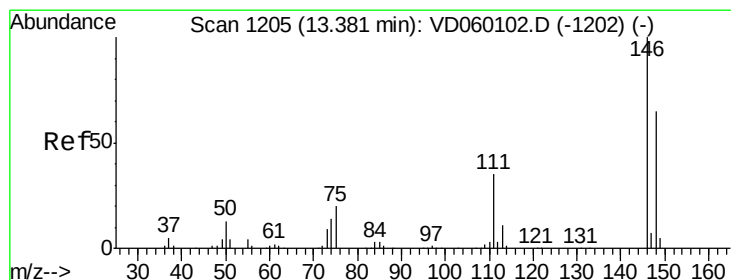
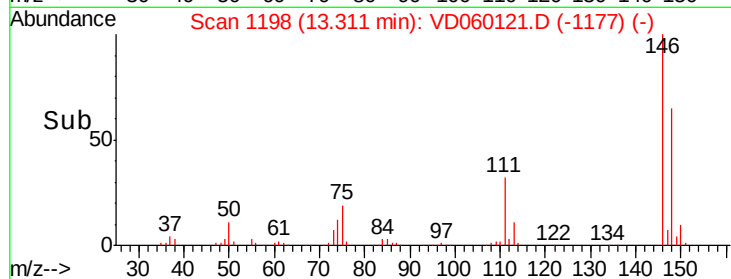
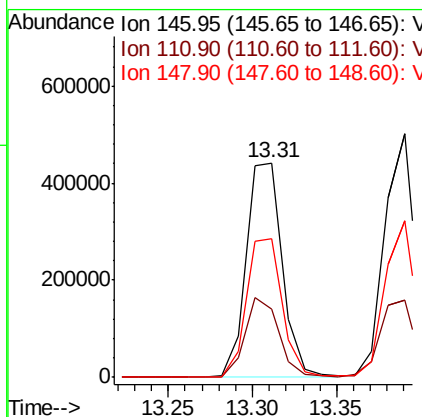
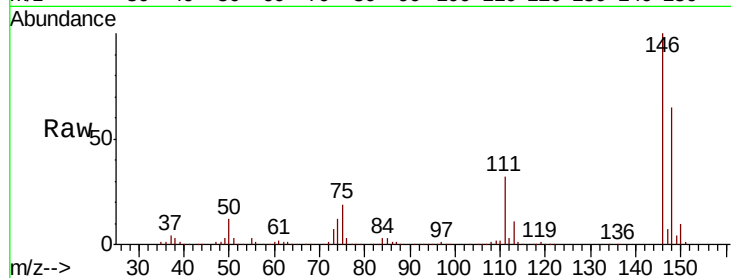




#87
 1,3-Dichlorobenzene
 Concen: 21.646 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

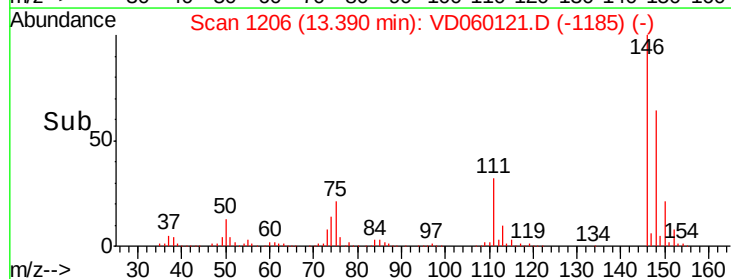
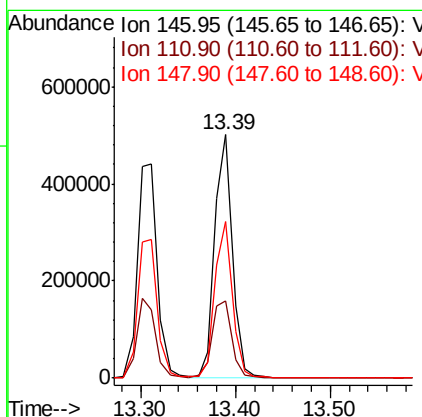
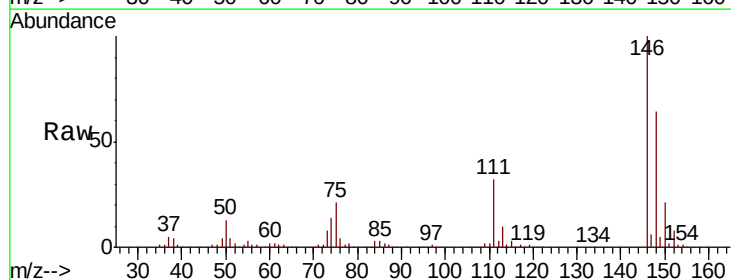
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBSD01

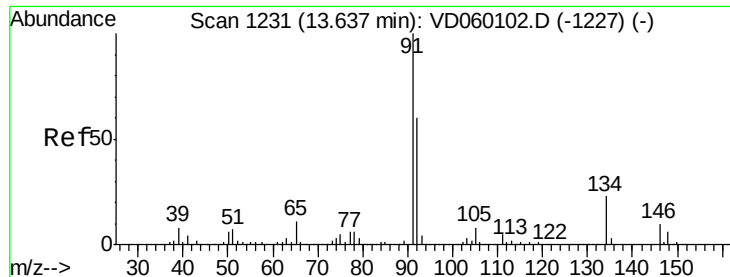
Tot Ion:146 Resp: 658003
 Ion Ratio Lower Upper
 146 100
 111 32.0 18.1 54.3
 148 65.0 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 21.441 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Tgt Ion:146 Resp: 654661
 Ion Ratio Lower Upper
 146 100
 111 31.6 17.8 53.3
 148 64.4 32.4 97.2

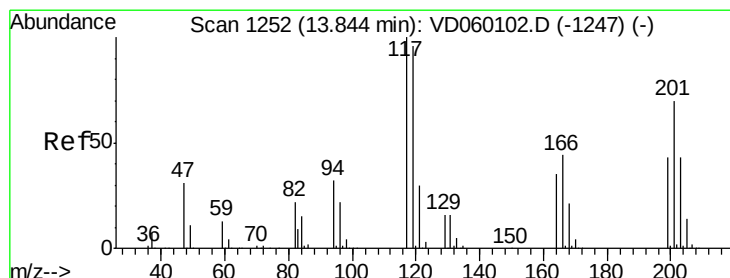
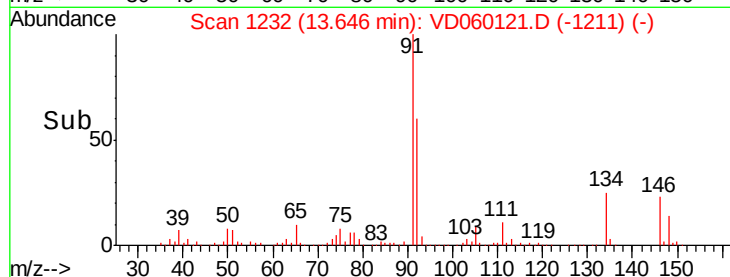
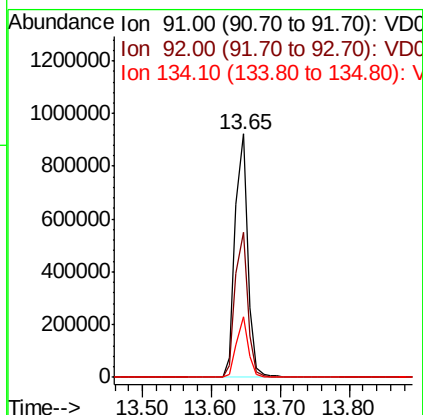
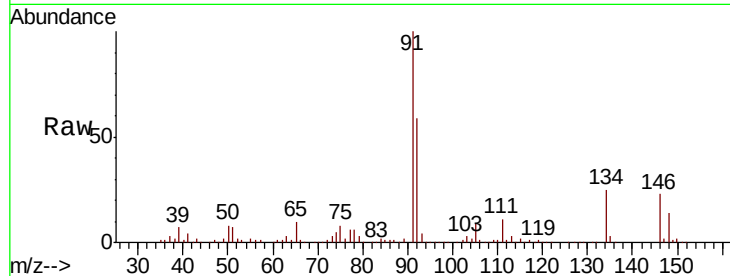




#89
n-Butylbenzene
Concen: 23.380 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

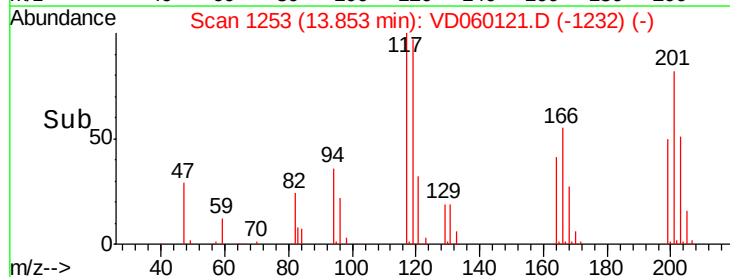
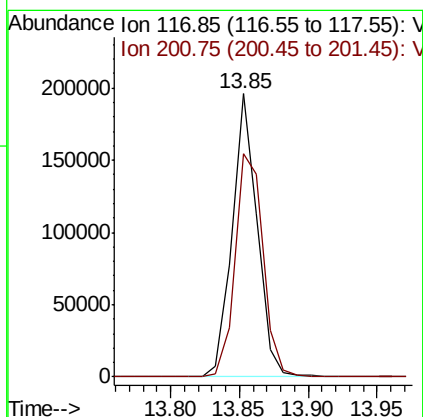
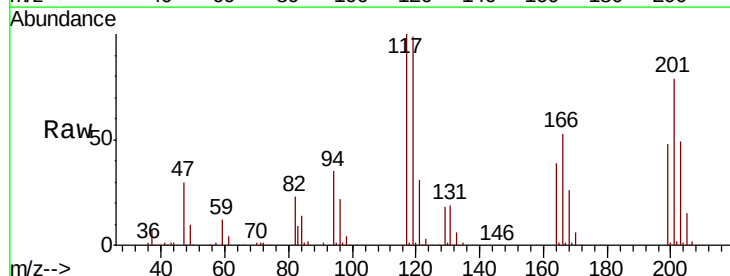
Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

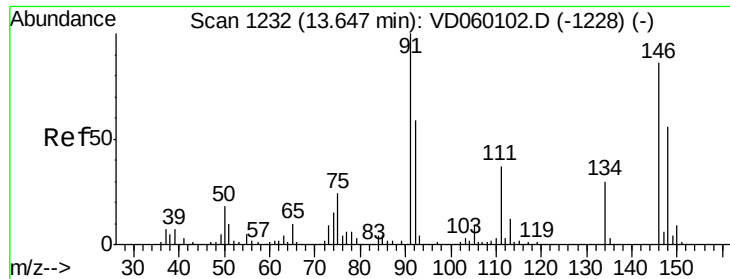
Tot Ion: 91 Resp: 1179774
Ion Ratio Lower Upper
91 100
92 59.5 30.1 90.3
134 24.7 11.6 34.7



#90
Hexachloroethane
Concen: 20.660 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion: 117 Resp: 247266
Ion Ratio Lower Upper
117 100
201 78.8 34.8 104.5





#91

1,2-Dichlorobenzene

Concen: 22.681 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBSD01

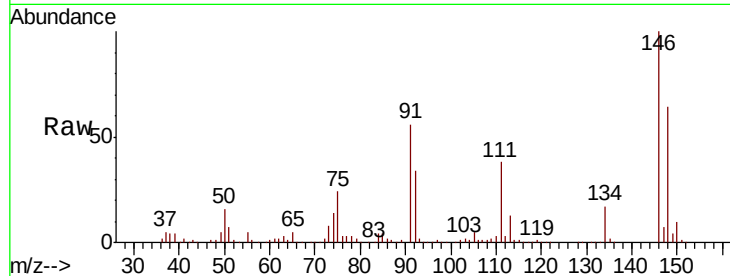
Tot Ion:146 Resp: 579702

Ion Ratio Lower Upper

146 100

111 37.7 21.4 64.3

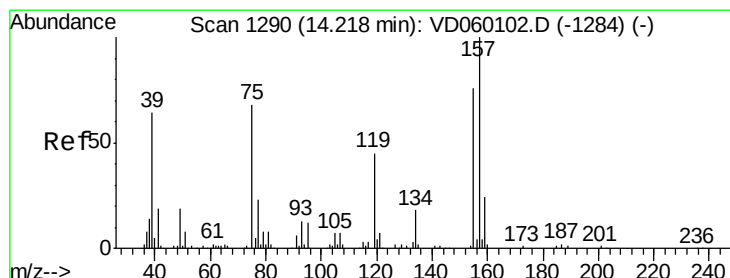
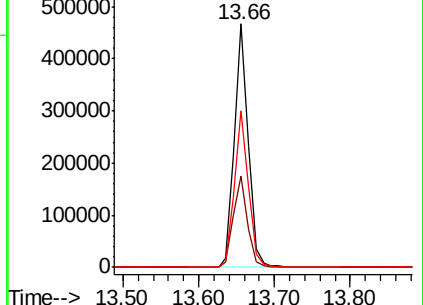
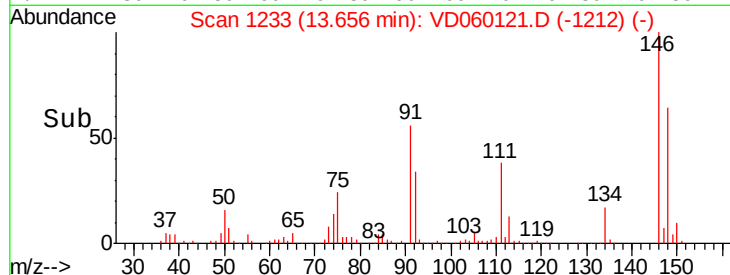
148 64.5 32.2 96.6



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: 22.032 ug/l

RT: 14.23 min Scan# 1291

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

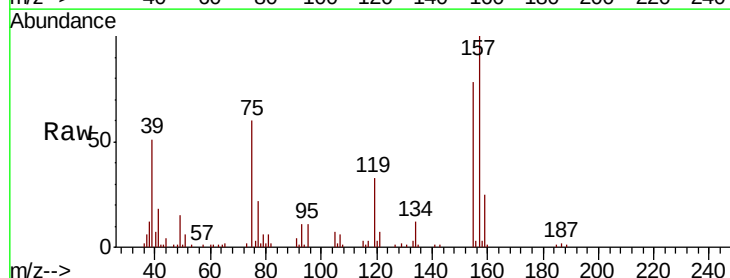
Tgt Ion: 75 Resp: 38560

Ion Ratio Lower Upper

75 100

155 131.4 55.9 167.7

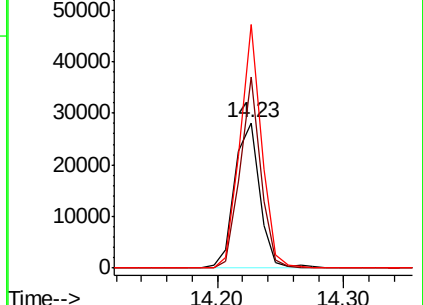
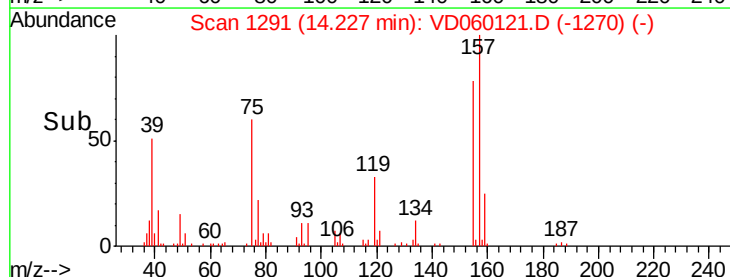
157 167.9 73.3 219.8

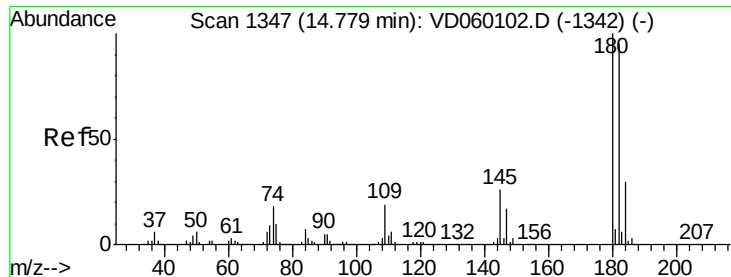


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

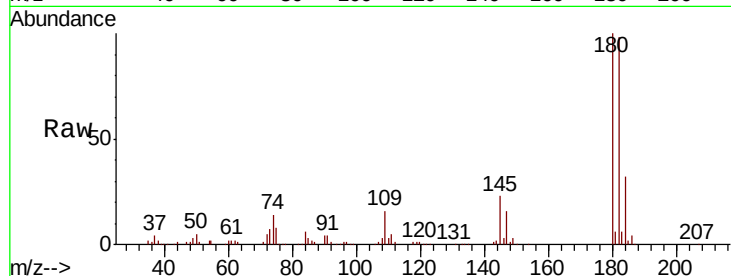




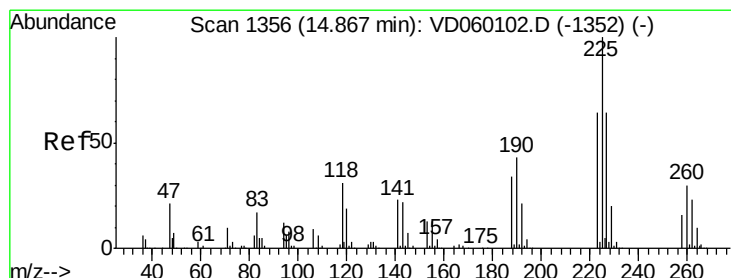
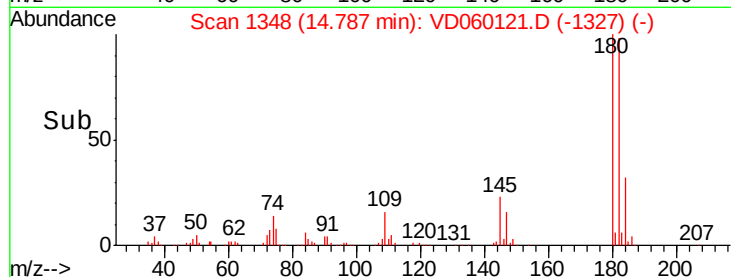
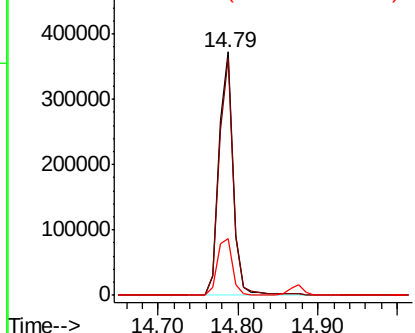
#93
 1,2,4-Trichlorobenzene
 Concen: 21.806 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBSD01

Tot Ion:180 Resp: 473066
 Ion Ratio Lower Upper
 180 100
 182 97.6 47.3 141.8
 145 23.1 13.0 38.9

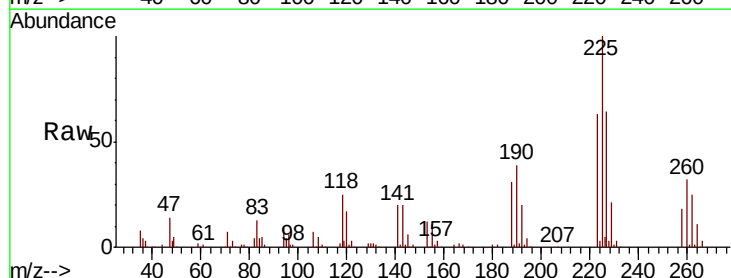


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

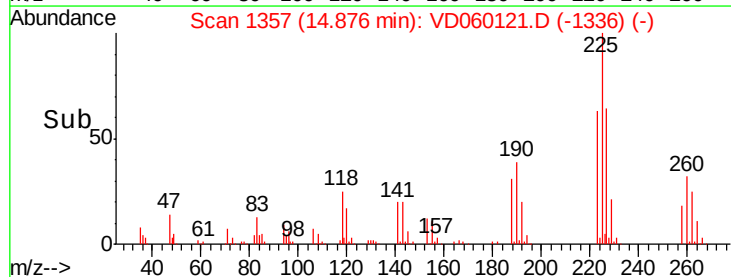
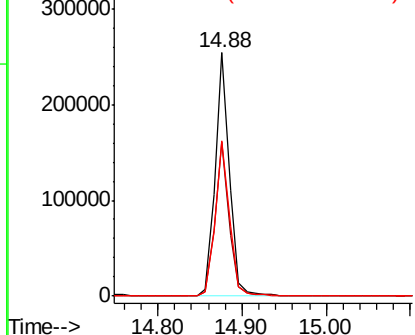


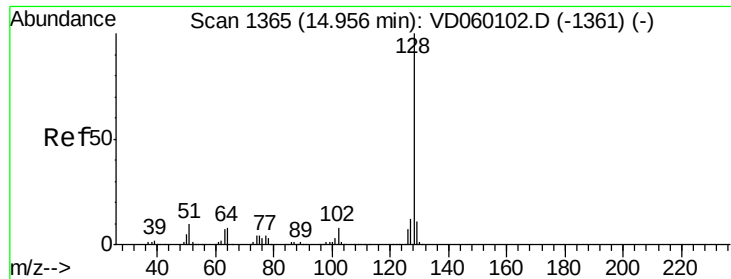
#94
 Hexachlorobutadiene
 Concen: 20.831 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Tgt Ion:225 Resp: 300393
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.8 95.4
 227 63.5 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

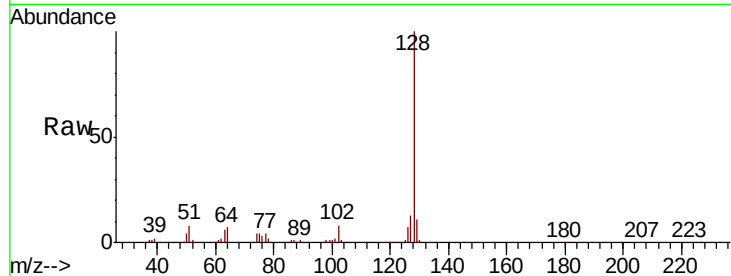




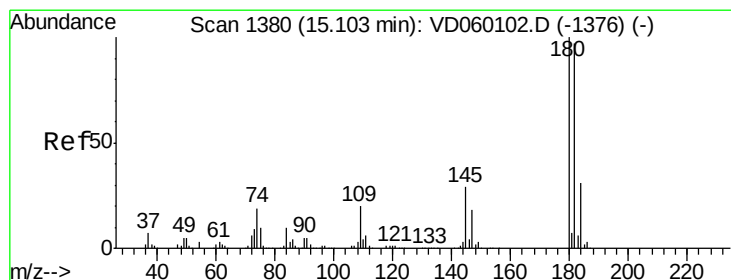
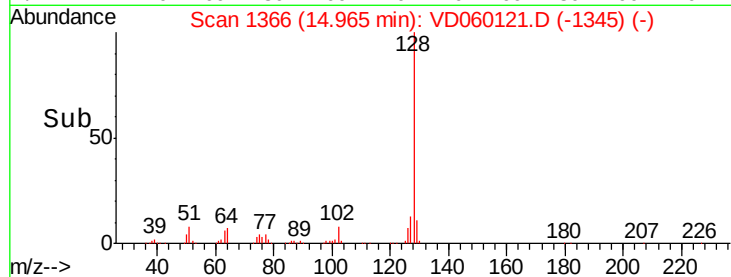
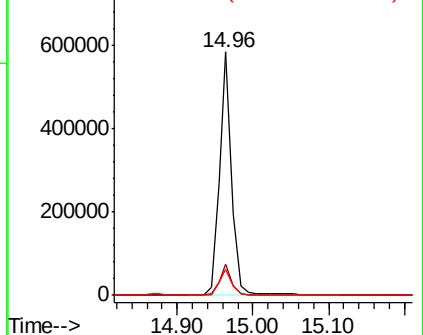
#95
Naphthalene
Concen: 20.826 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

Tot Ion:128 Resp: 669716
Ion Ratio Lower Upper
128 100
127 12.6 9.9 14.9
129 10.7 8.8 13.2

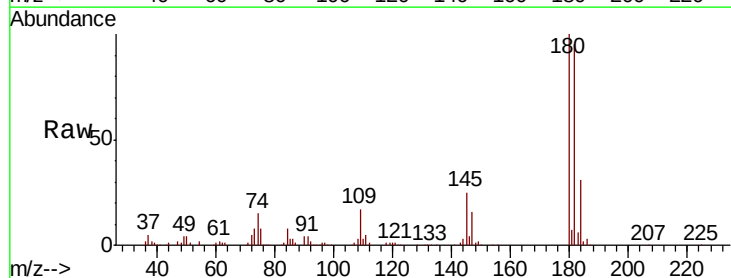


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.395 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion:180 Resp: 403764
Ion Ratio Lower Upper
180 100
182 95.2 48.4 145.0
145 24.7 14.5 43.6



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

