

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100518\
 Data File : VD060135.D
 Acq On : 5 Oct 2018 12:03
 Operator : VA/AP
 Sample : VD1005SBL01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBL01

Quant Time: Oct 05 23:41:16 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	1644382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2242050	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1845122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	947079	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	636095	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
35) Dibromofluoromethane	6.31	113	830266	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
50) Toluene-d8	9.44	98	2341337	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
62) 4-Bromofluorobenzene	12.42	95	900967	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	

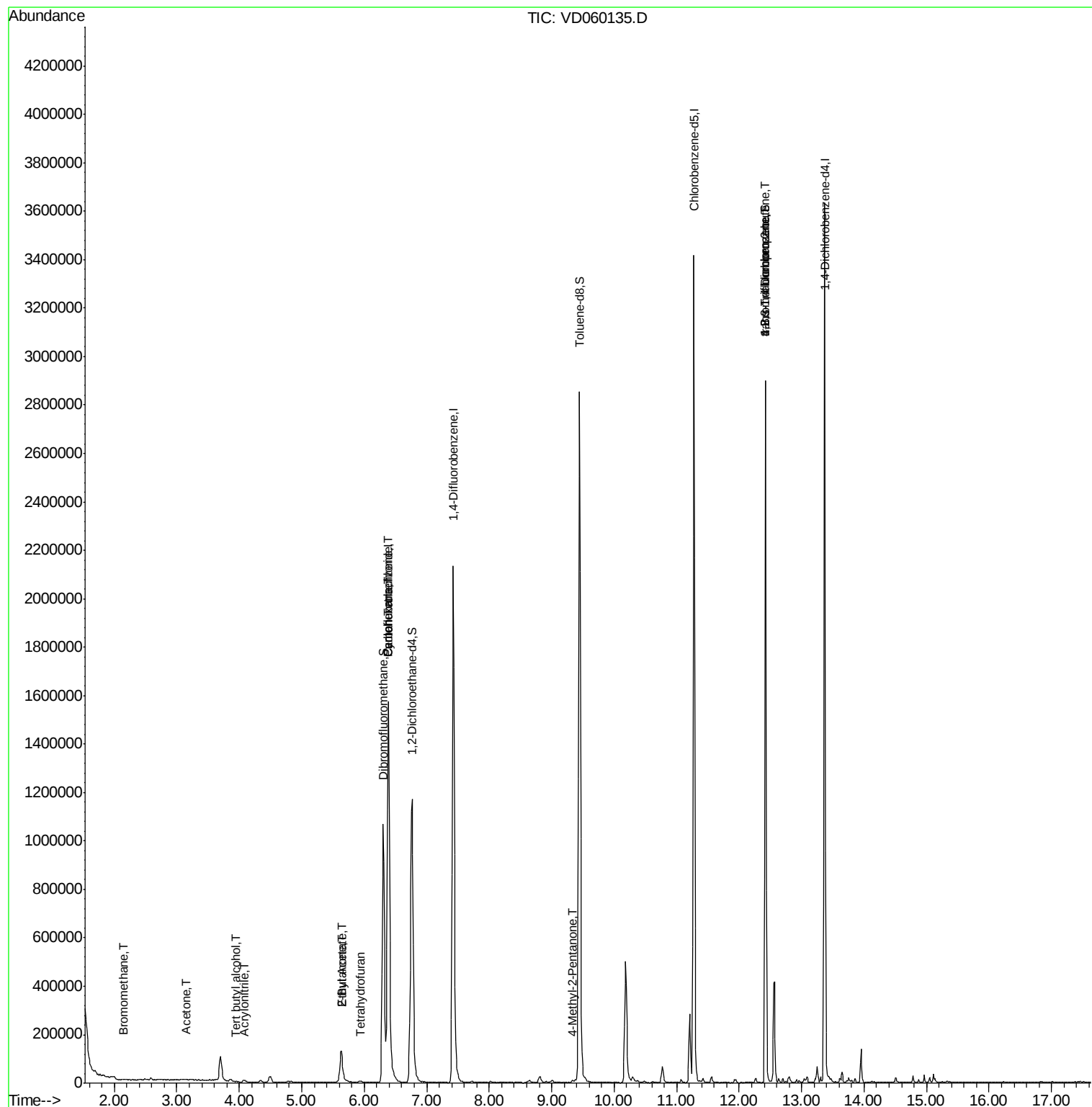
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	3099	2.162	ug/l #	46
11) Tert butyl alcohol	3.94	59	2778	3.108	ug/l #	74
15) Acrylonitrile	4.06	53	3842	1.038	ug/l	88
16) Acetone	3.15	43	13771	6.089	ug/l	91
20) Methylene Chloride	3.70	84	62011	Below Cal		95
25) 2-Butanone	5.63	43	20012	3.542	ug/l #	85
29) Tetrahydrofuran	5.93	42	4807	1.465	ug/l	91
31) Cyclohexane	6.38	56	33263	1.232	ug/l #	1
37) Ethyl Acetate	5.63	43	20013	1.407	ug/l #	50
38) Carbon Tetrachloride	6.38	117	129199	6.644	ug/l #	16
51) 4-Methyl-2-Pentanone	9.33	43	12046	1.021	ug/l	94
76) 1,2,3-Trichloropropane	12.42	75	306405	22.465	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	365071	95.259	ug/l #	13

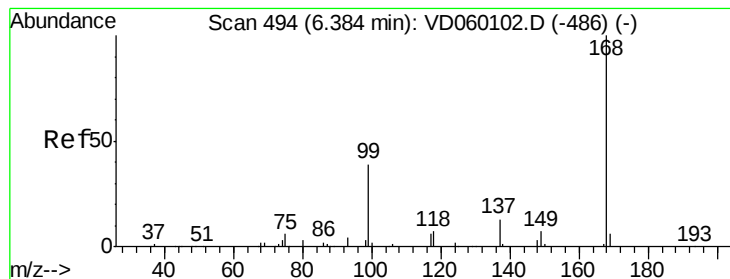
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD100518\
Data File : VD060135.D
Acq On : 5 Oct 2018 12:03
Operator : VA/AP
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MSVOA_D
ClientSampleId :
VD1005SBL01

Quant Time: Oct 05 23:41:16 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: VD060135.D

Acq: 5 Oct 2018 12:03

Instrument :

MSVOA_D

ClientSampleId :

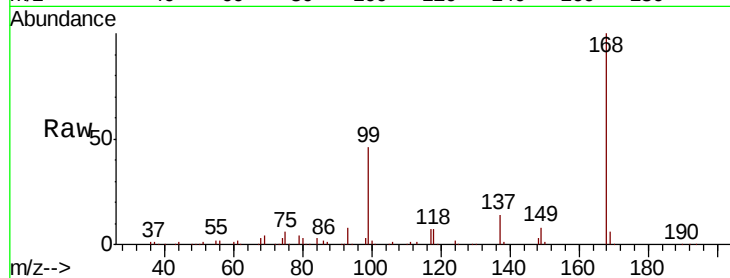
VD1005SBL01

Tgt Ion:168 Resp: 1644382

Ion Ratio Lower Upper

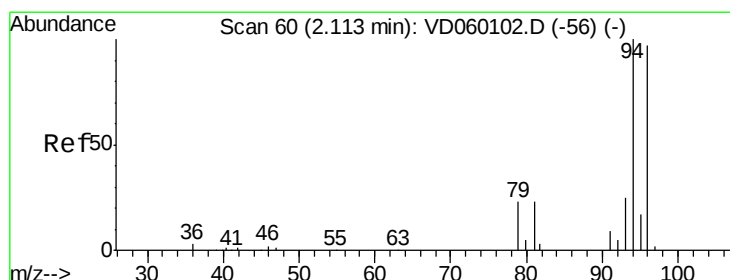
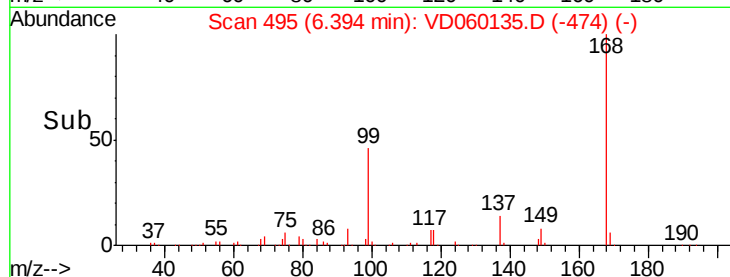
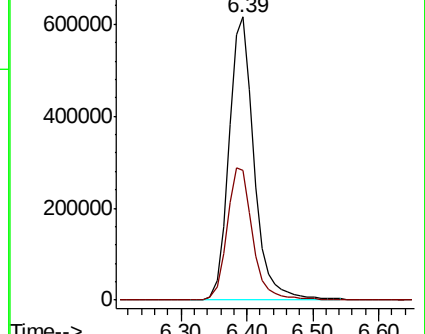
168 100

99 45.9 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.162 ug/l

RT: 2.14 min Scan# 63

Delta R.T. 0.03 min

Lab File: VD060135.D

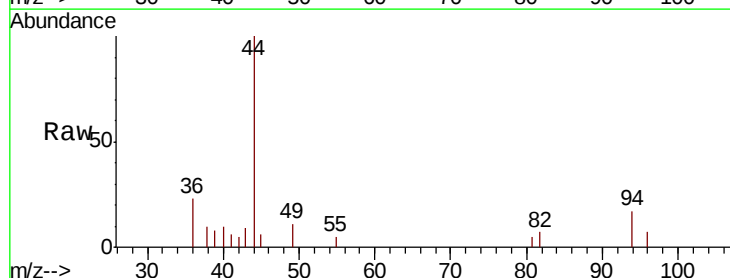
Acq: 5 Oct 2018 12:03

Tgt Ion: 94 Resp: 3099

Ion Ratio Lower Upper

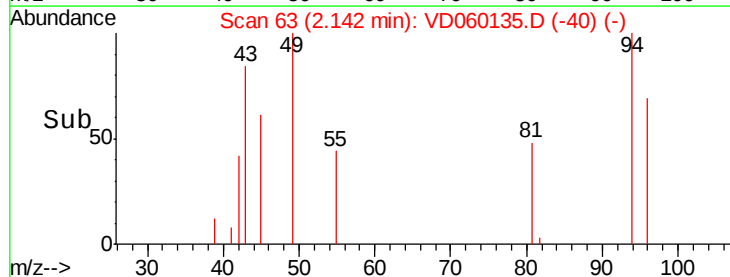
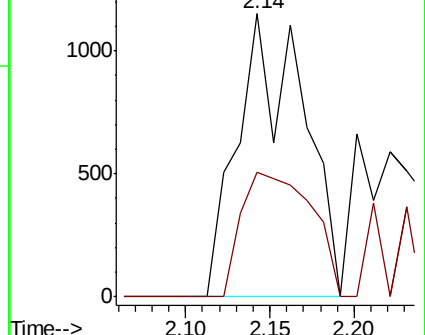
94 100

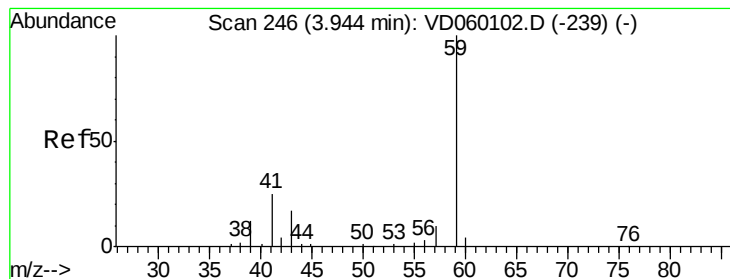
96 43.9 77.4 116.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



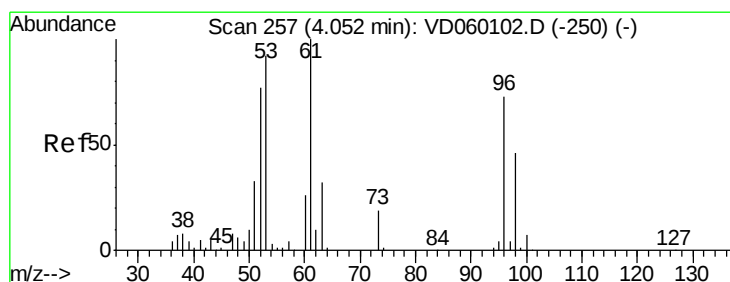
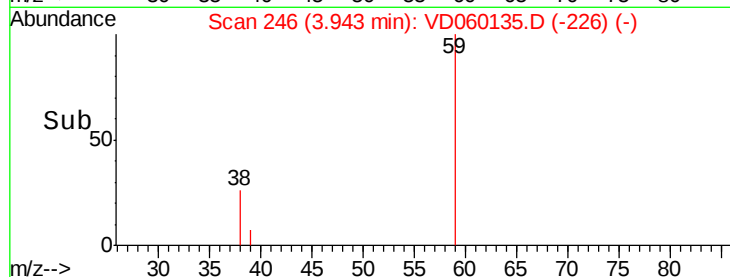
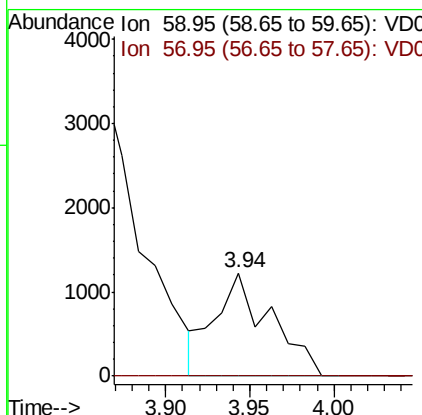
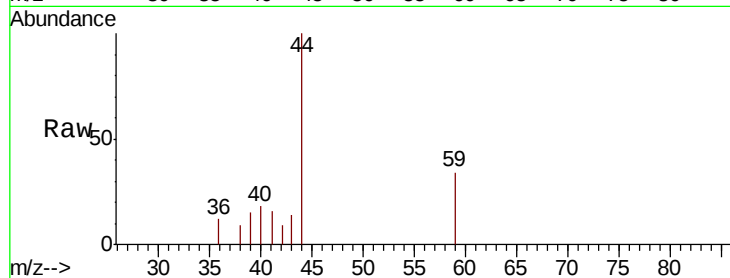


#11

Tert butyl alcohol
 Concen: 3.108 ug/l
 RT: 3.94 min Scan# 246
 Delta R.T. -0.00 min
 Lab File: VD060135.D
 Acq: 5 Oct 2018 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBL01

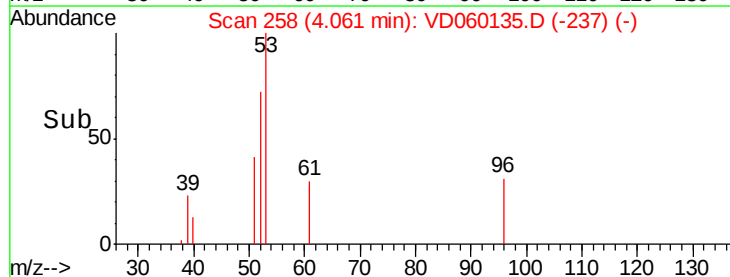
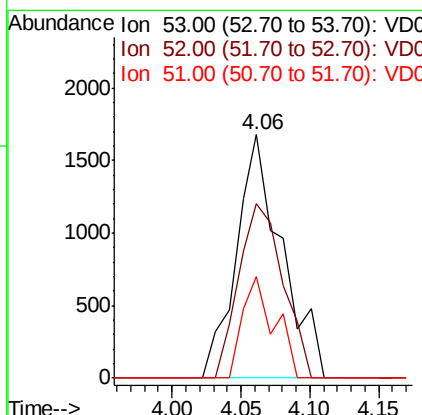
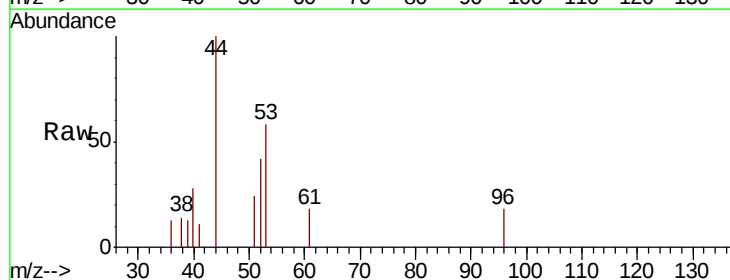
Tgt Ion: 59 Resp: 2778
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

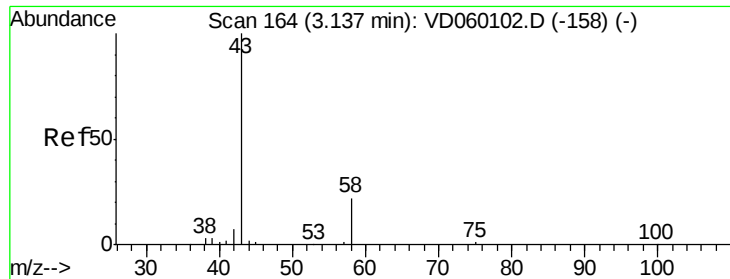


#15

Acrylonitrile
 Concen: 1.038 ug/l
 RT: 4.06 min Scan# 258
 Delta R.T. 0.01 min
 Lab File: VD060135.D
 Acq: 5 Oct 2018 12:03

Tgt Ion: 53 Resp: 3842
 Ion Ratio Lower Upper
 53 100
 52 71.9 67.5 101.3
 51 41.5 29.3 43.9





#16

Acetone

Concen: 6.089 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060135.D

Acq: 5 Oct 2018 12:03

Instrument :

MSVOA_D

ClientSampleId :

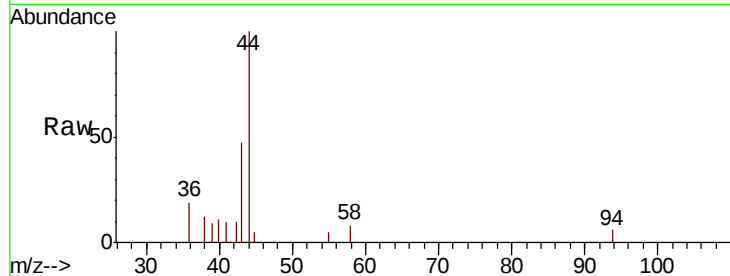
VD1005SBL01

Tgt Ion: 43 Resp: 13771

Ion Ratio Lower Upper

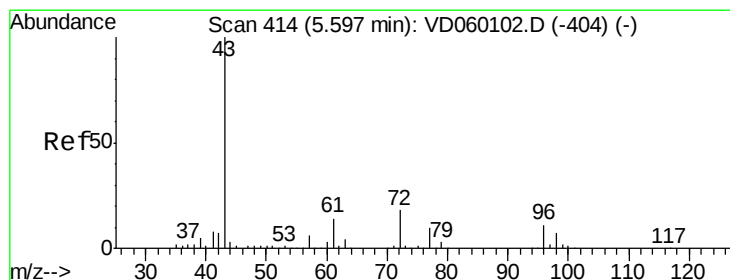
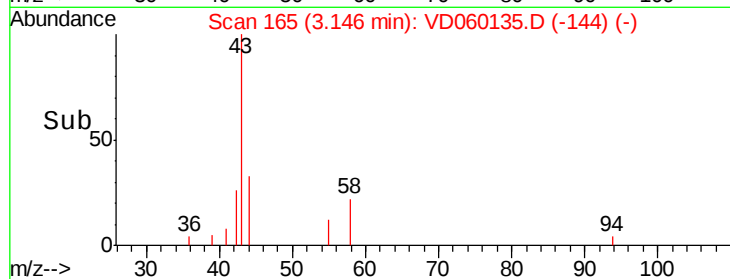
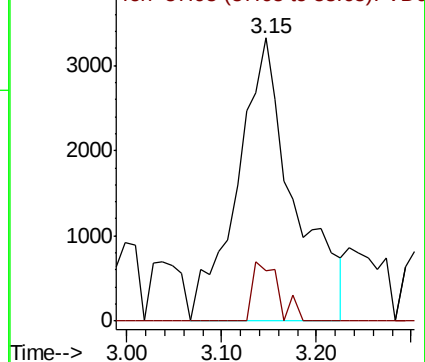
43 100

58 18.0 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#25

2-Butanone

Concen: 3.542 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.03 min

Lab File: VD060135.D

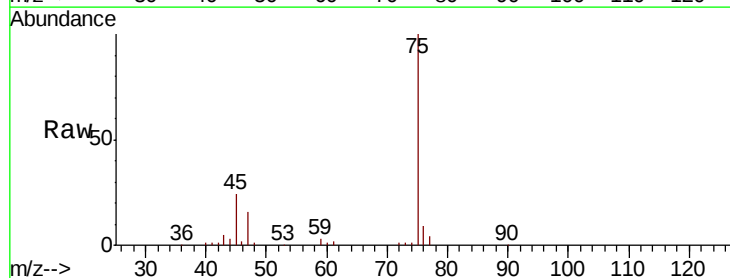
Acq: 5 Oct 2018 12:03

Tgt Ion: 43 Resp: 20012

Ion Ratio Lower Upper

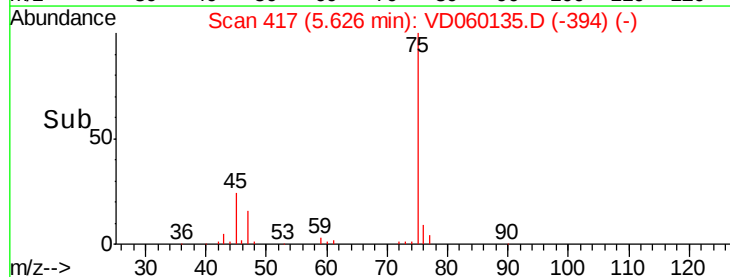
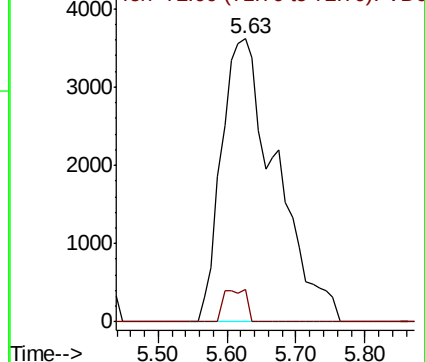
43 100

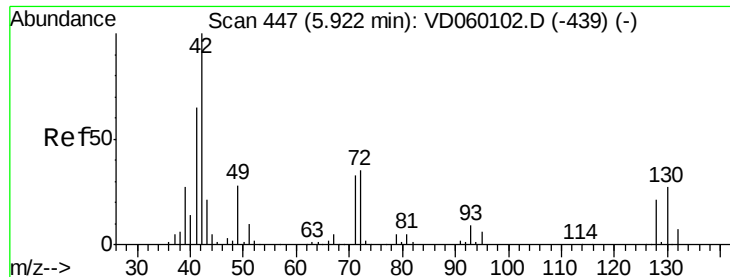
72 11.4 14.5 21.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 1.465 ug/l

RT: 5.93 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD060135.D

Acq: 5 Oct 2018 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBL01

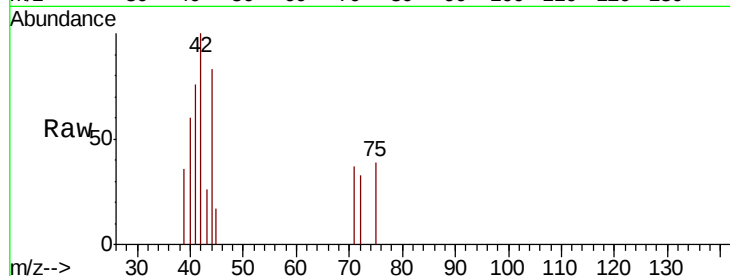
Tgt Ion: 42 Resp: 4807

Ion Ratio Lower Upper

42 100

72 29.2 26.9 40.3

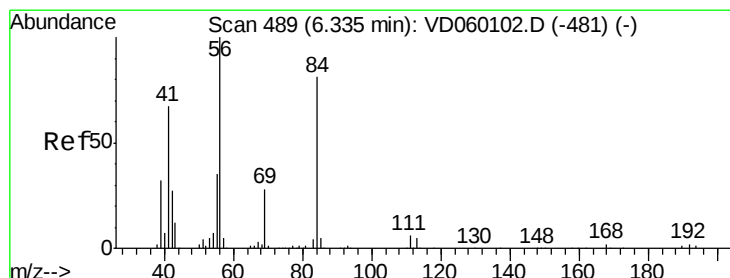
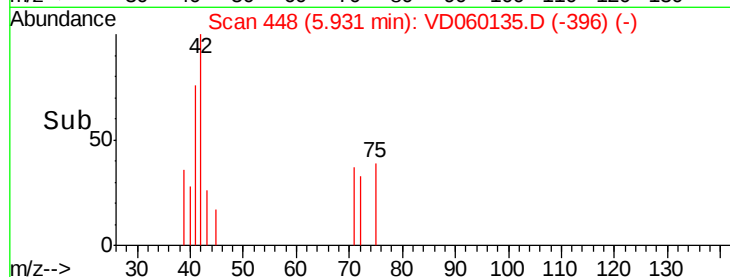
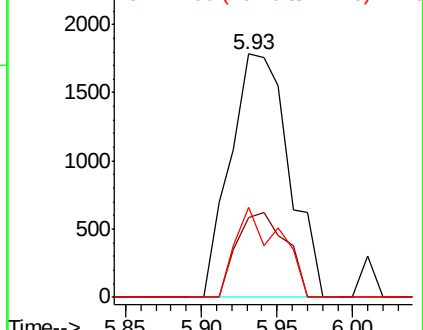
71 27.8 26.7 40.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.232 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.05 min

Lab File: VD060135.D

Acq: 5 Oct 2018 12:03

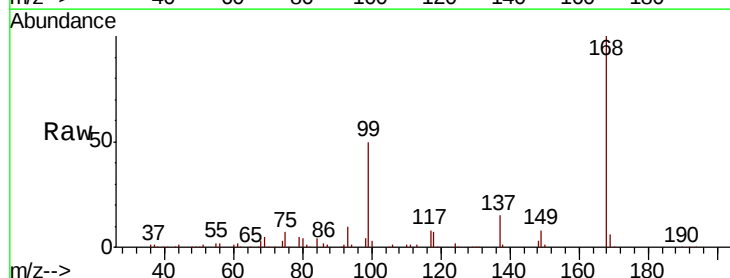
Tgt Ion: 56 Resp: 33263

Ion Ratio Lower Upper

56 100

69 247.6 22.8 34.2#

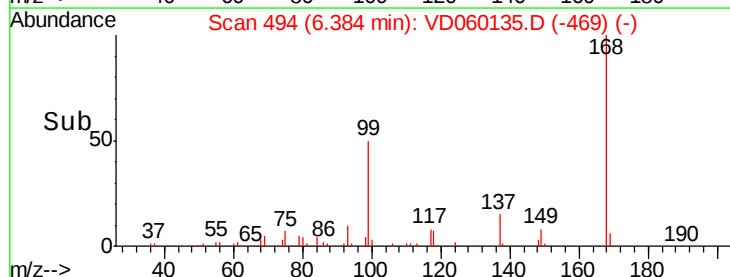
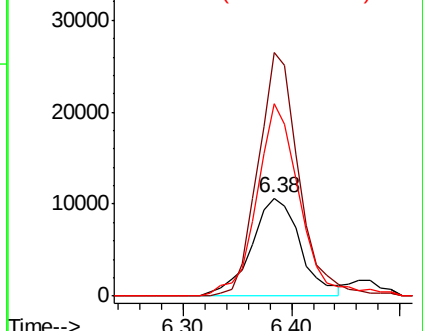
84 196.1 64.9 97.3#

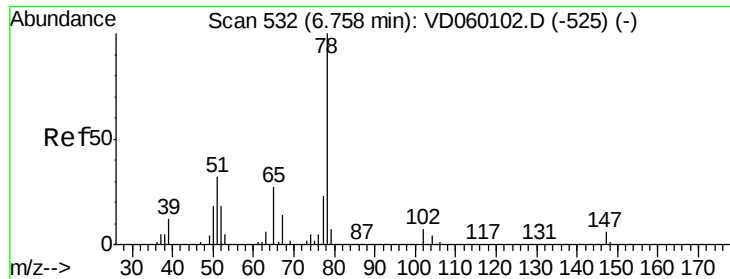


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD060135.D

Acq: 5 Oct 2018 12:03

Instrument :

MSVOA_D

ClientSampleId :

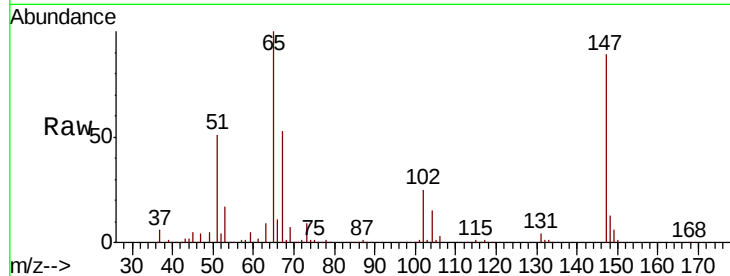
VD1005SBL01

Tgt Ion: 65 Resp: 636095

Ion Ratio Lower Upper

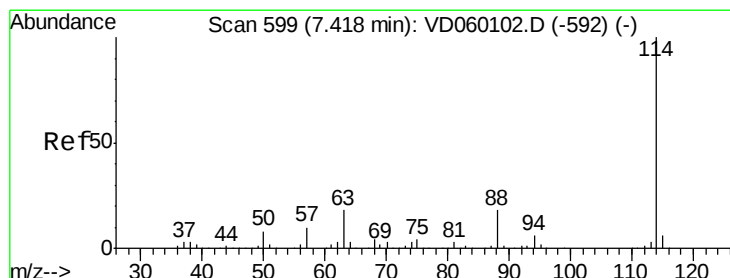
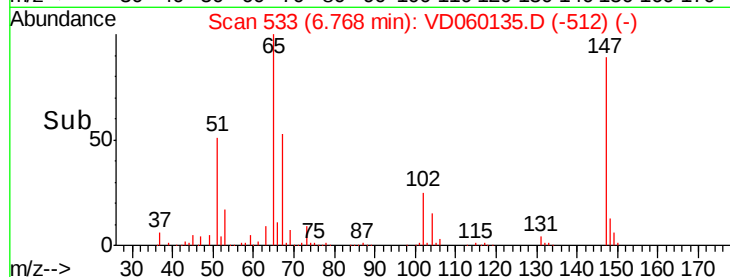
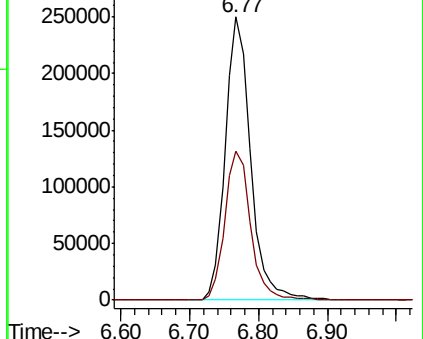
65 100

67 52.8 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD060135.D

Acq: 5 Oct 2018 12:03

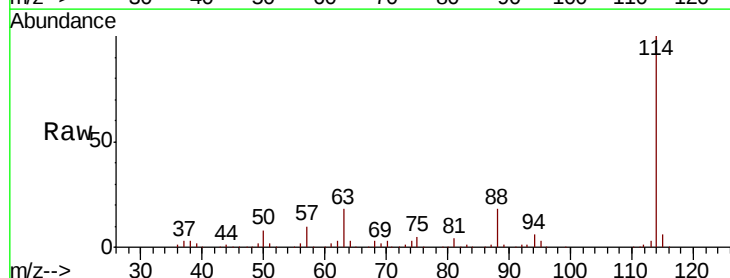
Tgt Ion: 114 Resp: 2242050

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.0

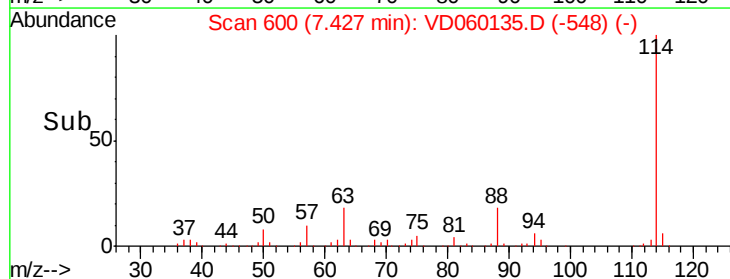
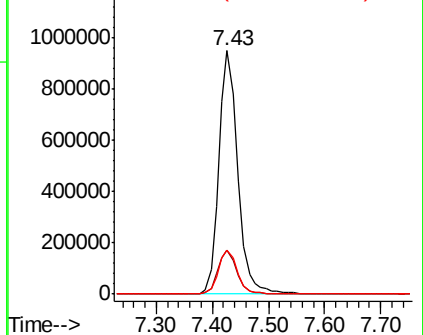
88 18.1 0.0 36.2

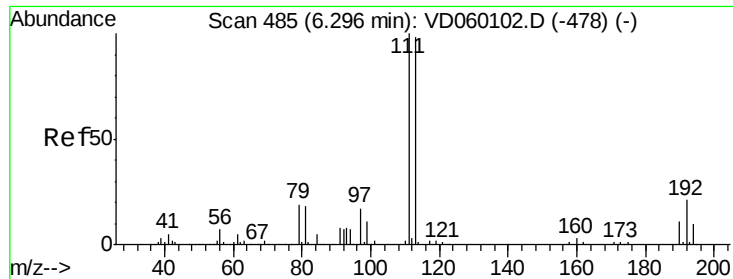


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

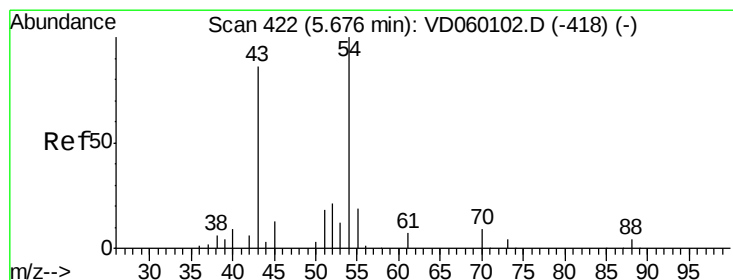
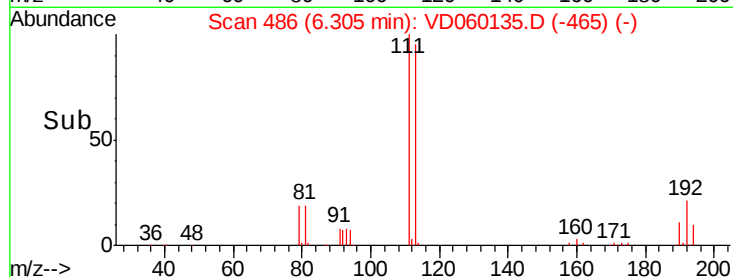
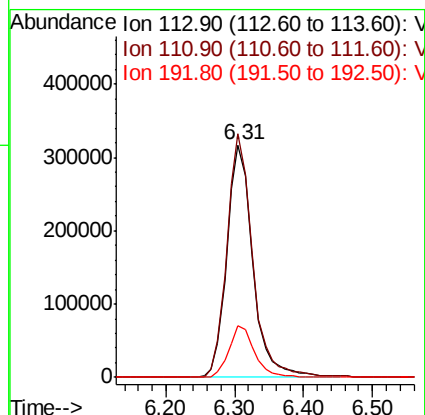
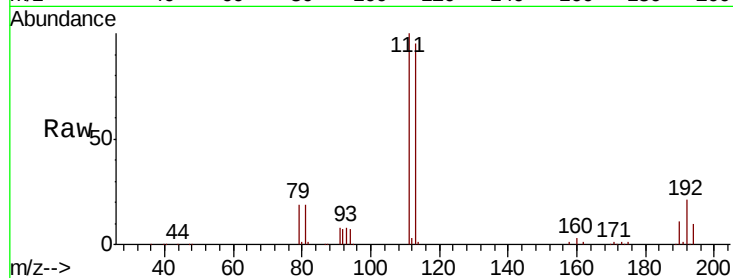




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VD060135.D
 Acq: 5 Oct 2018 12:03

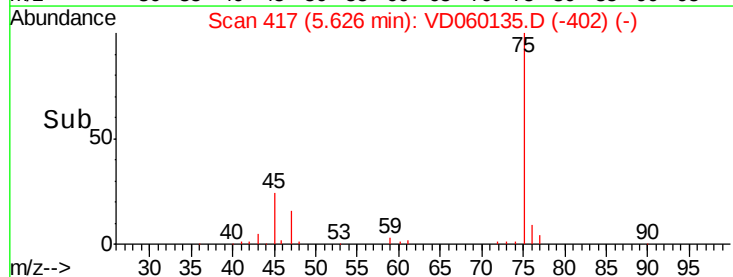
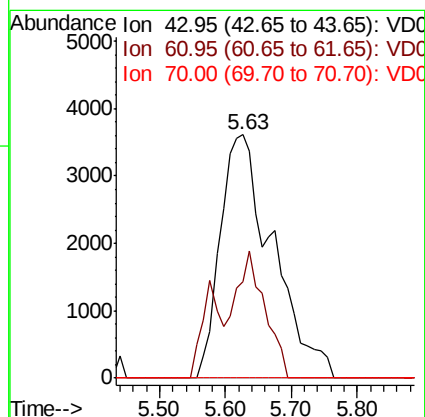
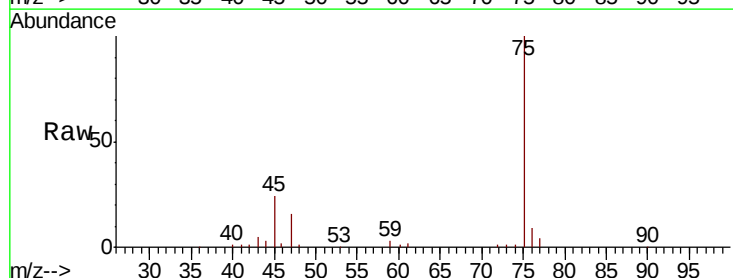
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBL01

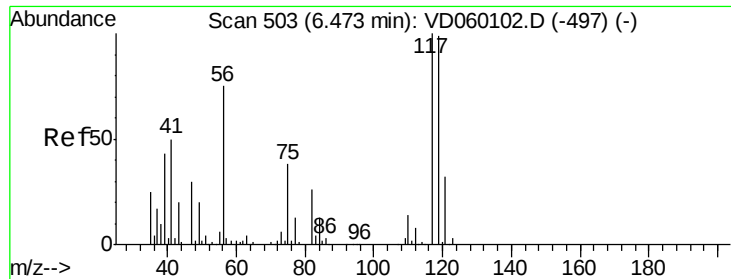
Tgt Ion:113 Resp: 830266
 Ion Ratio Lower Upper
 113 100
 111 104.8 81.5 122.3
 192 22.4 17.4 26.0



#37
 Ethyl Acetate
 Concen: 1.407 ug/l
 RT: 5.63 min Scan# 417
 Delta R.T. -0.05 min
 Lab File: VD060135.D
 Acq: 5 Oct 2018 12:03

Tgt Ion: 43 Resp: 20013
 Ion Ratio Lower Upper
 43 100
 61 39.8 10.5 15.7#
 70 0.0 6.3 9.5#

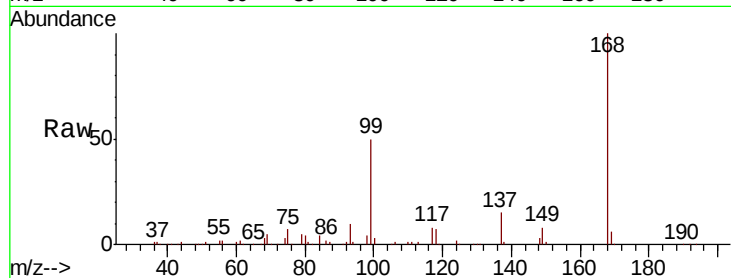




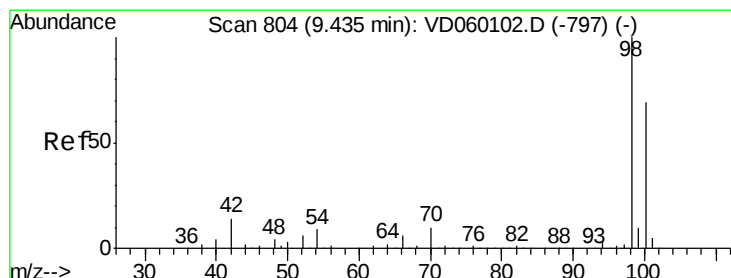
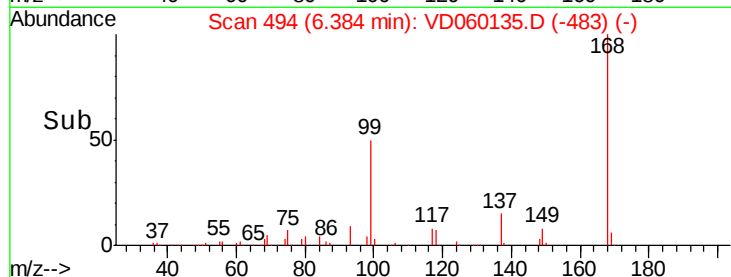
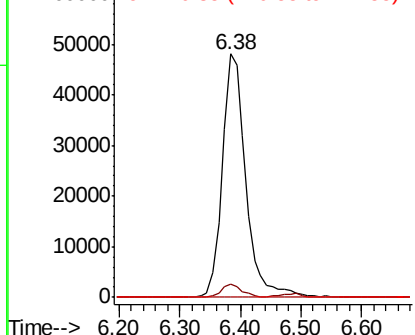
#38
Carbon Tetrachloride
Concen: 6.644 ug/l
RT: 6.38 min Scan# 494
Delta R.T. -0.09 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBL01

Tgt Ion:117 Resp: 129199
Ion Ratio Lower Upper
117 100
119 5.3 77.8 116.6#
121 0.0 24.8 37.2#

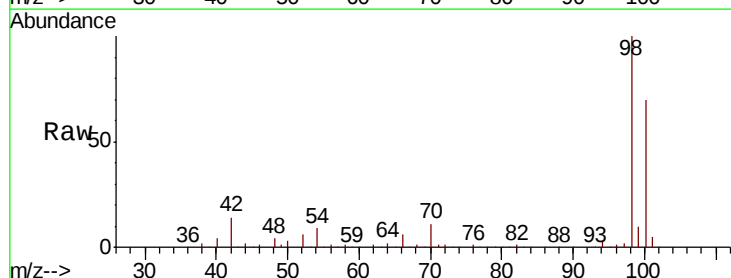


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

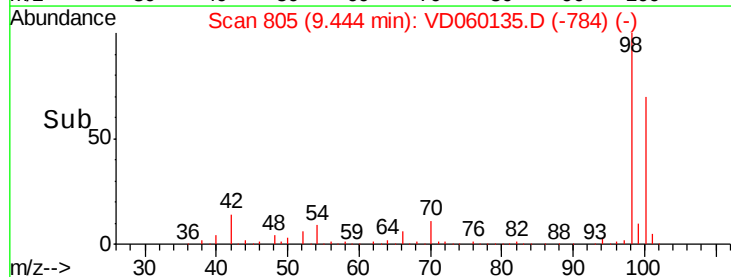
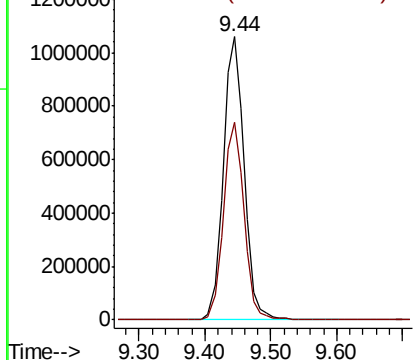


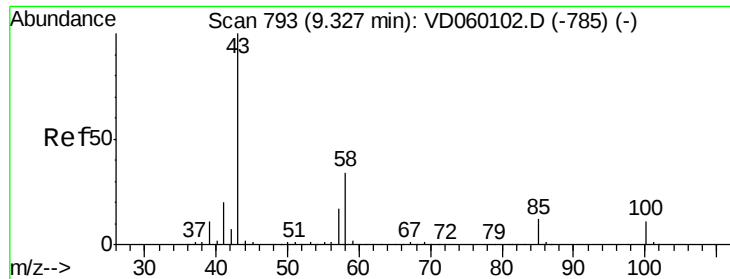
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

Tgt Ion: 98 Resp: 2341337
Ion Ratio Lower Upper
98 100
100 69.9 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VD





#51

4-Methyl-2-Pentanone

Concen: 1.021 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD060135.D

Acq: 5 Oct 2018 12:03

Instrument :

MSVOA_D

ClientSampleId :

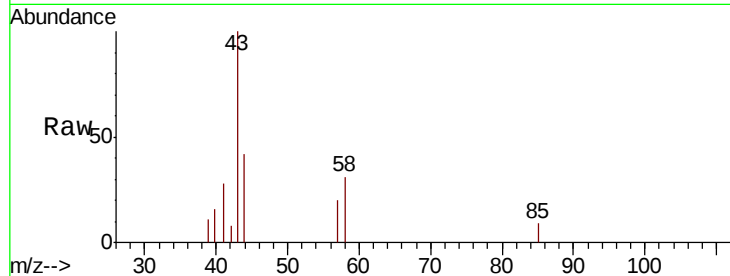
VD1005SBL01

Tgt Ion: 43 Resp: 12046

Ion Ratio Lower Upper

43 100

58 30.8 27.2 40.8

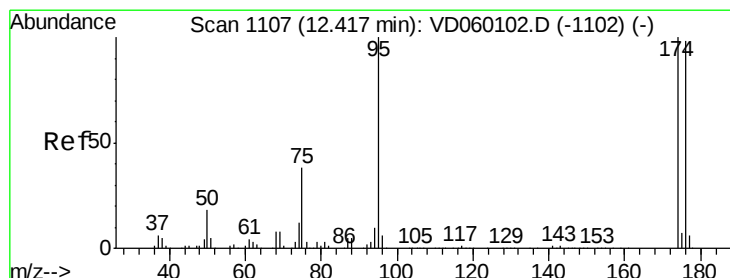
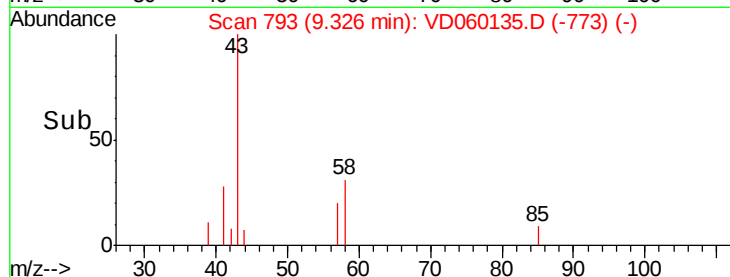


Abundance Ion 42.95 (42.65 to 43.65): VD060102.D (-785) (-)

Ion 57.95 (57.65 to 58.65): VD060102.D (-785) (-)

9.33

Time-->



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD060135.D

Acq: 5 Oct 2018 12:03

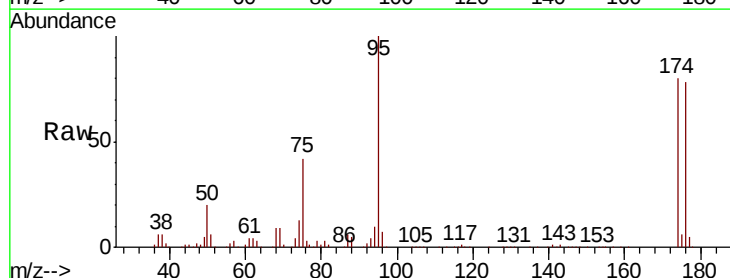
Tgt Ion: 95 Resp: 900967

Ion Ratio Lower Upper

95 100

174 80.4 0.0 200.2

176 77.8 0.0 195.6



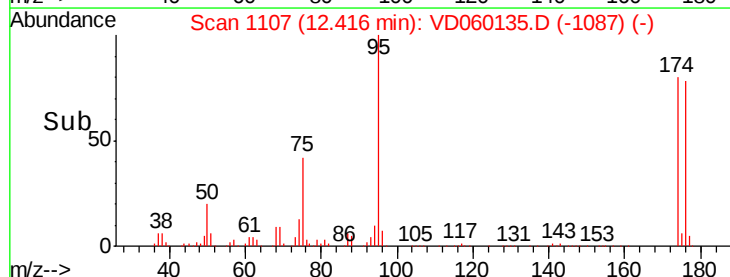
Abundance Ion 95.00 (94.70 to 95.70): VD060102.D (-1102) (-)

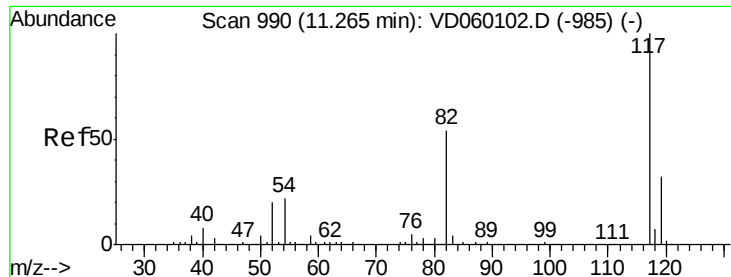
Ion 173.90 (173.60 to 174.60): VD060102.D (-1102) (-)

Ion 175.90 (175.60 to 176.60): VD060102.D (-1102) (-)

12.42

Time-->

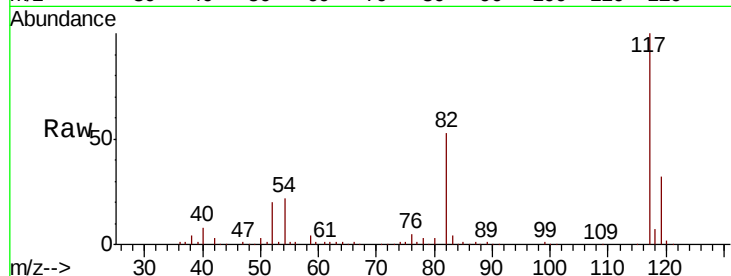




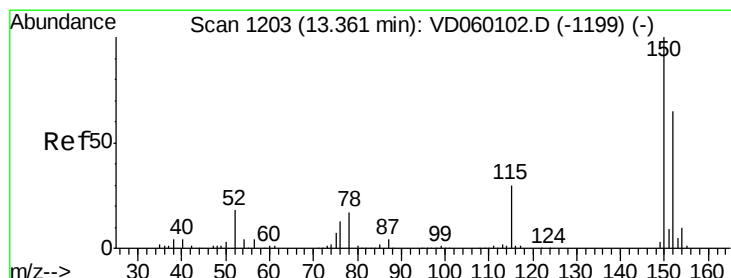
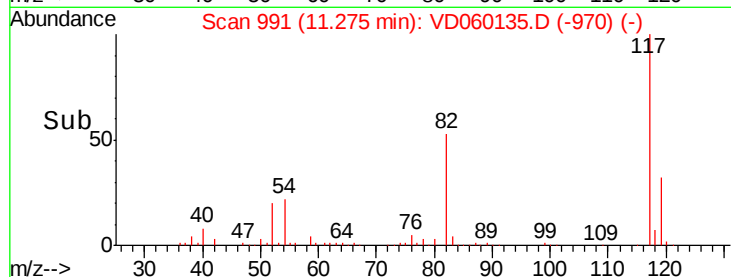
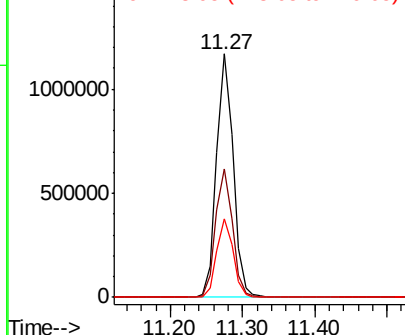
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBL01

Tgt Ion:117 Resp: 1845122
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.2
119 32.3 26.0 39.0

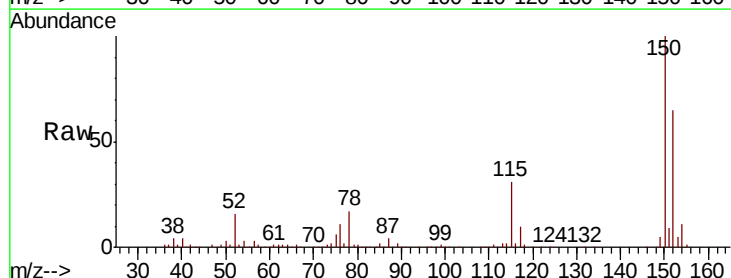


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

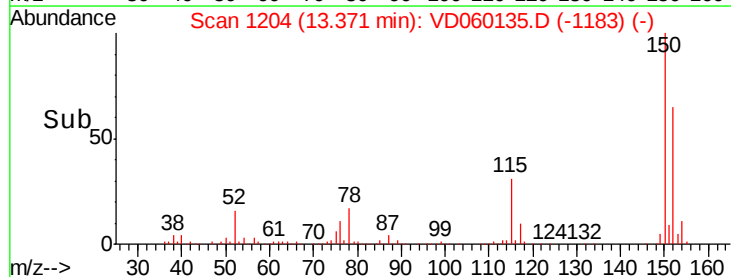
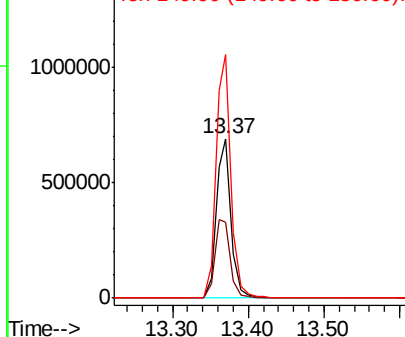


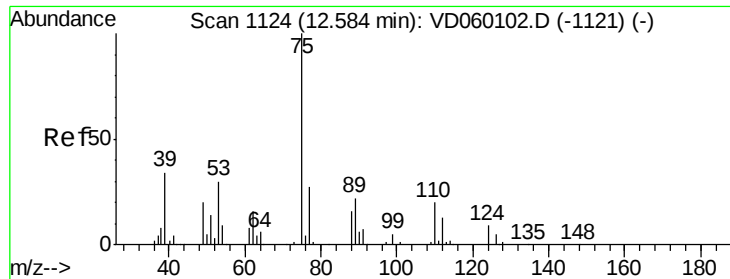
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

Tgt Ion:152 Resp: 947079
Ion Ratio Lower Upper
152 100
115 47.9 27.1 81.2
150 152.8 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

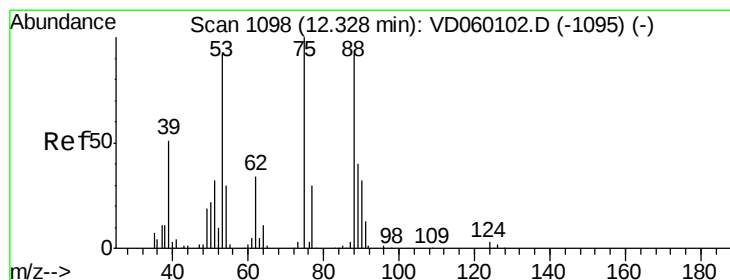
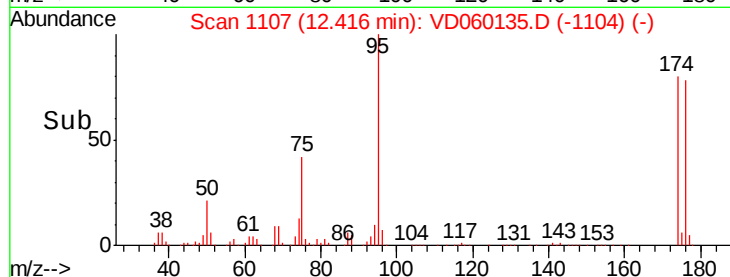
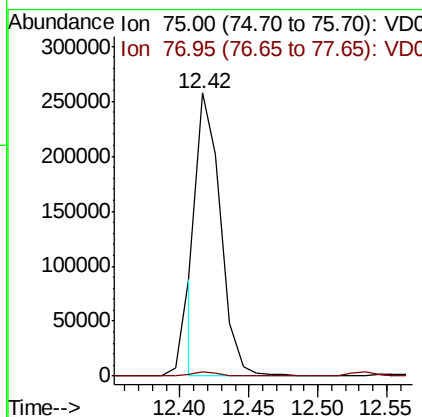
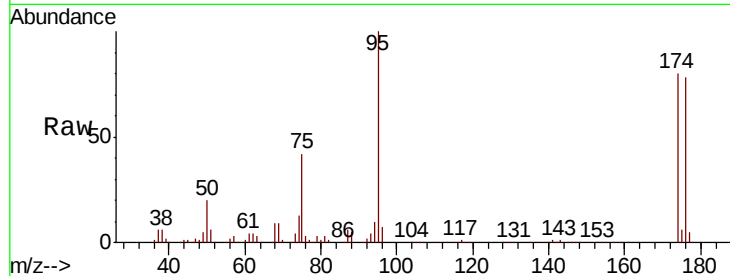




#76
 1,2,3-Trichloropropane
 Concen: 22.465 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. -0.17 min
 Lab File: VD060135.D
 Acq: 5 Oct 2018 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBL01

Tgt Ion: 75 Resp: 306405
 Ion Ratio Lower Upper
 75 100
 77 1.3 16.3 48.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.259 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.09 min
 Lab File: VD060135.D
 Acq: 5 Oct 2018 12:03

Tgt Ion: 75 Resp: 365071
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.6#
 89 0.0 32.0 48.0#

