

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102418\
 Data File : VD060183.D
 Acq On : 24 Oct 2018 15:50
 Operator : JC/SY
 Sample : J4771-07
 Misc : 7.47g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-08-102318

Quant Time: Oct 25 03:35:31 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	6.41	168	1584300	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.44	114	2287597	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	1706242	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.39	152	627822	50.00	ug/l	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	709280	59.06	ug/l	0.03
Spiked Amount			Recovery	=	118.12%	
35) Dibromofluoromethane	6.32	113	857827	49.38	ug/l	0.03
Spiked Amount			Recovery	=	98.76%	
50) Toluene-d8	9.46	98	2311920	46.67	ug/l	0.03
Spiked Amount			Recovery	=	93.34%	
62) 4-Bromofluorobenzene	12.44	95	726442	39.17	ug/l	0.03
Spiked Amount			Recovery	=	78.34%	

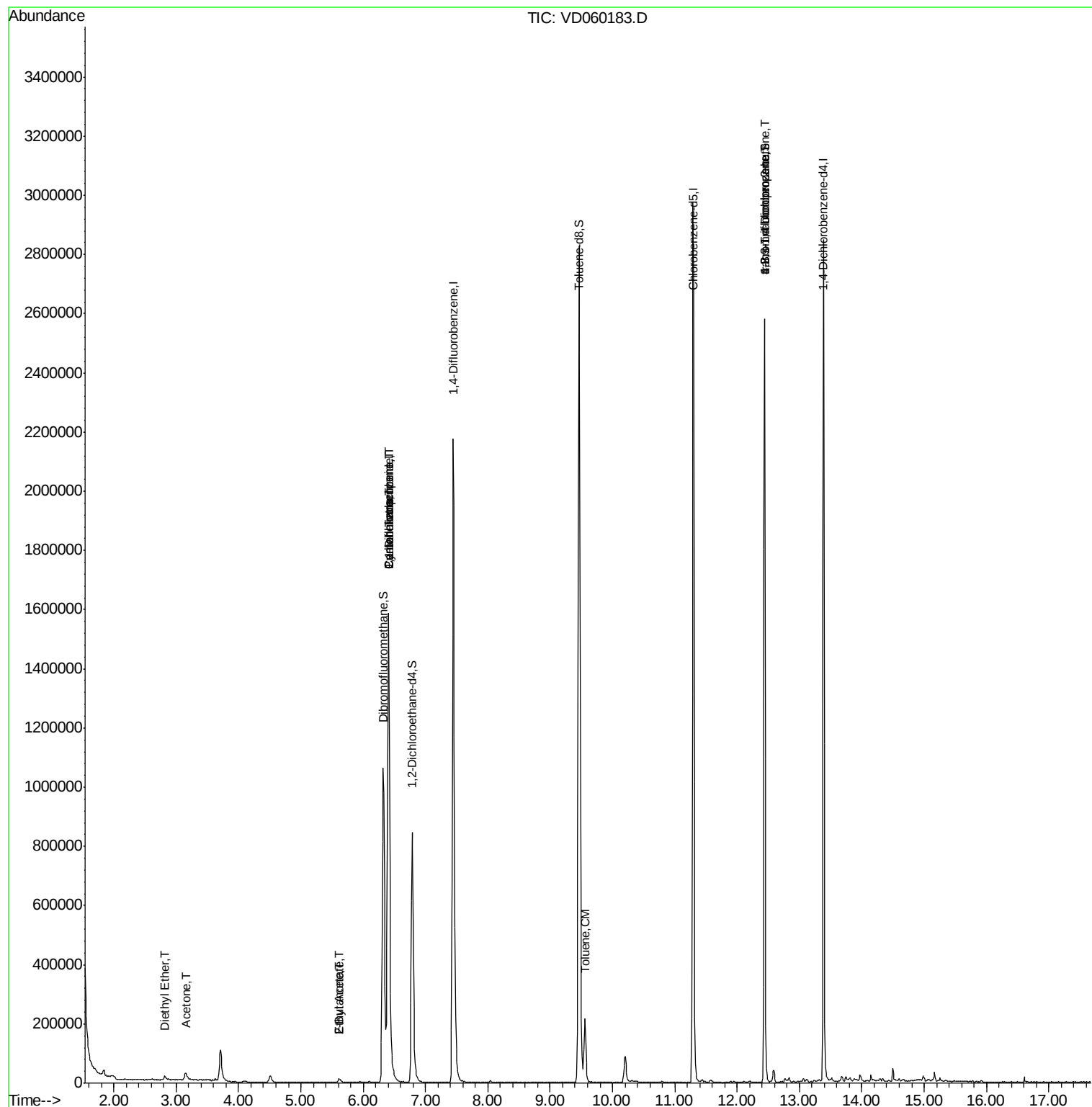
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.82	74	4300	1.588	ug/l	80
16) Acetone	3.15	43	51220	23.505	ug/l	94
20) Methylene Chloride	3.71	84	65637	Below Cal		93
25) 2-Butanone	5.61	43	22281	4.093	ug/l	100
31) Cyclohexane	6.40	56	30405	1.169	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	108872	4.980	ug/l #	47
37) Ethyl Acetate	5.61	43	22281	1.536	ug/l #	71
38) Carbon Tetrachloride	6.41	117	124551	6.278	ug/l #	15
52) Toluene	9.56	92	107762	2.926	ug/l	92
76) 1,2,3-Trichloropropane	12.44	75	292541	32.356	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.44	75	292272	115.044	ug/l #	13

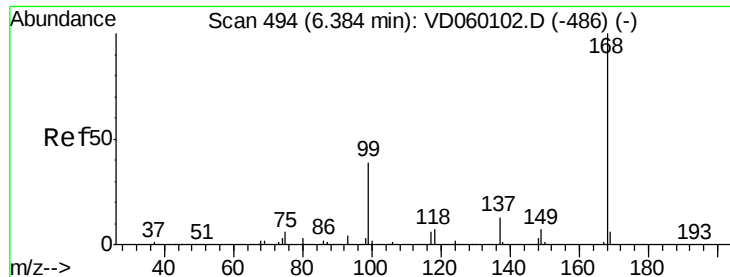
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102418\
Data File : VD060183.D
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Operator : JC/SY
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ClientSampleId :
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Quant Time: Oct 25 03:35:31 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: 6.41 min Scan# 496

Delta R.T. 0.03 min

Lab File: VD060183.D

Acq: 24 Oct 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

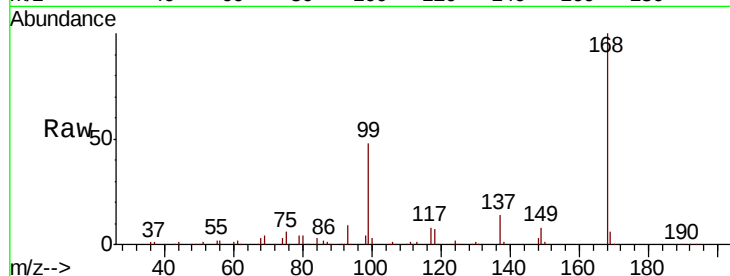
NB-08-102318

Tot Ion:168 Resp: 1584300

Ion Ratio Lower Upper

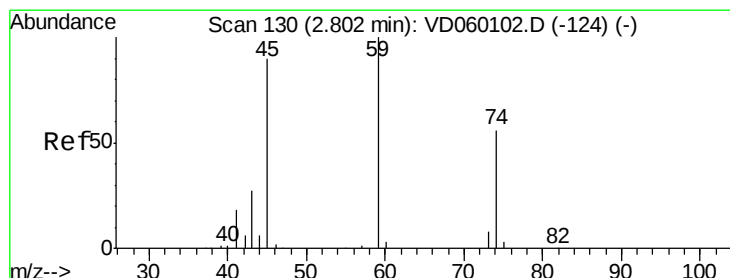
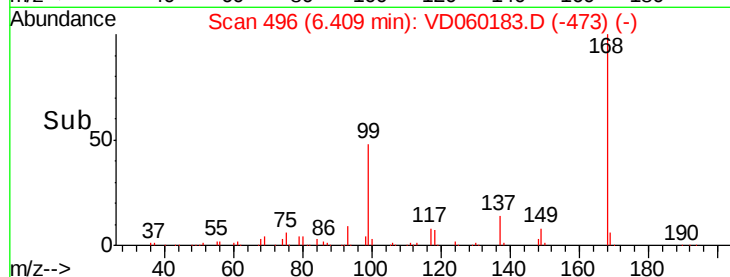
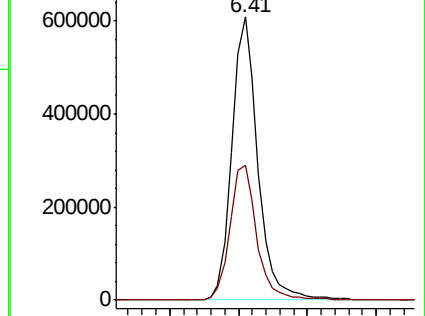
168 100

99 47.6 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.588 ug/l

RT: 2.82 min Scan# 131

Delta R.T. 0.02 min

Lab File: VD060183.D

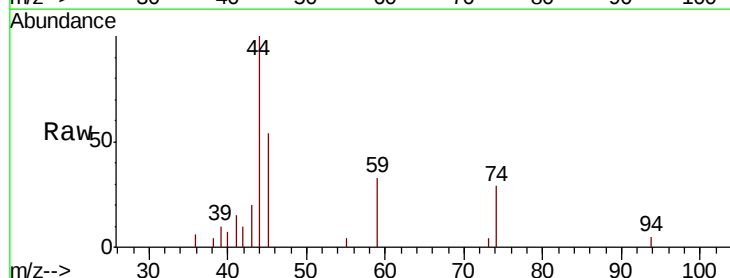
Acq: 24 Oct 2018 15:50

Tgt Ion: 74 Resp: 4300

Ion Ratio Lower Upper

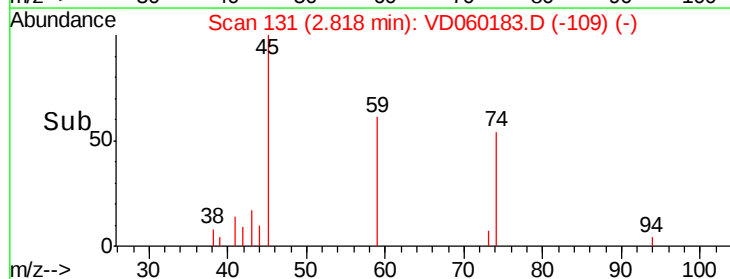
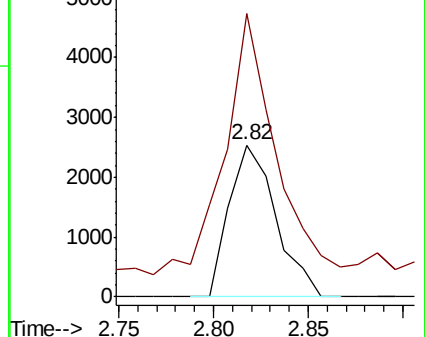
74 100

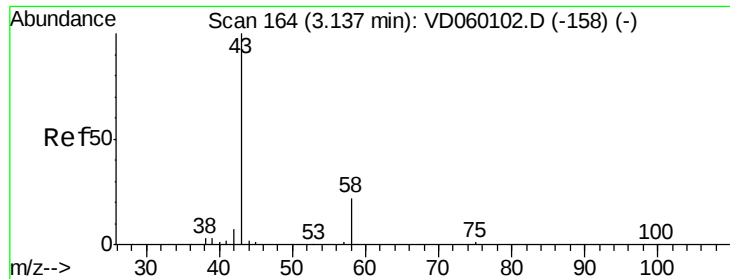
45 186.8 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 23.505 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD060183.D

Acq: 24 Oct 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

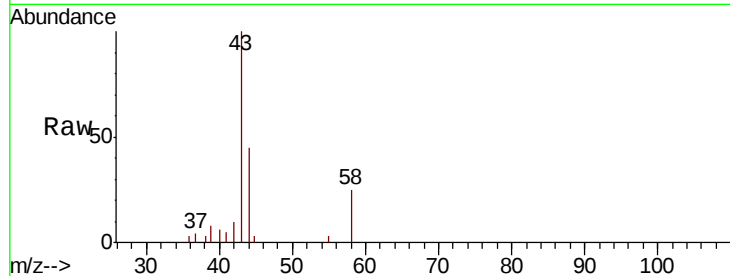
NB-08-102318

Tot Ion: 43 Resp: 51220

Ion Ratio Lower Upper

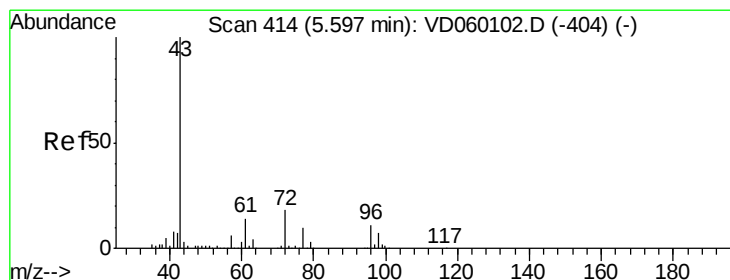
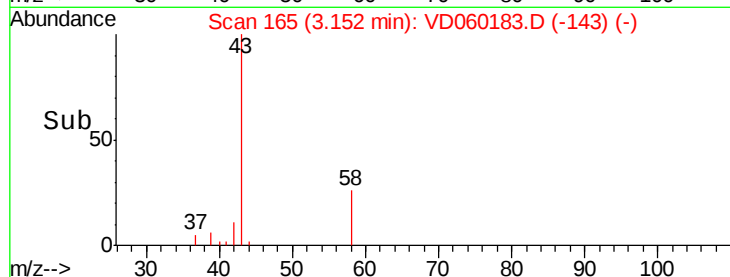
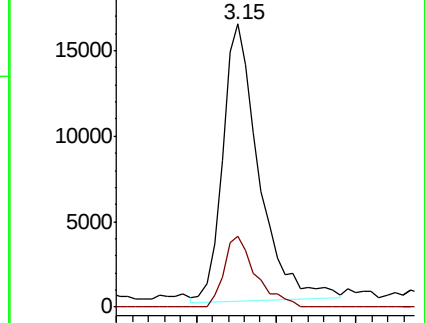
43 100

58 25.0 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: 4.093 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.02 min

Lab File: VD060183.D

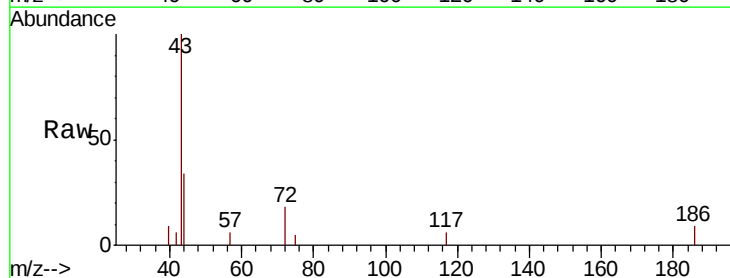
Acq: 24 Oct 2018 15:50

Tgt Ion: 43 Resp: 22281

Ion Ratio Lower Upper

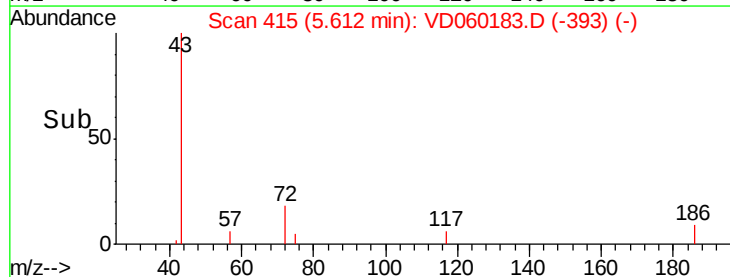
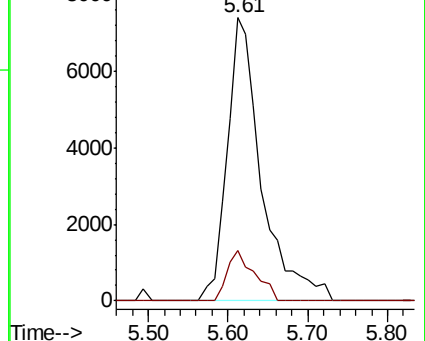
43 100

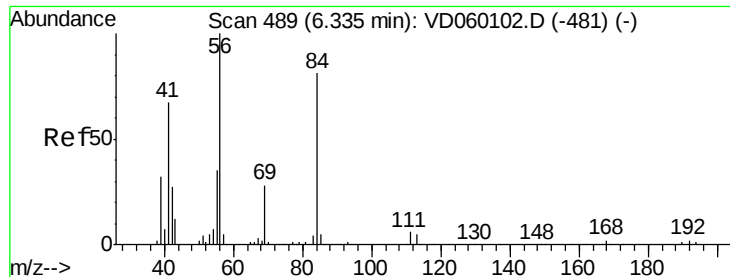
72 18.0 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.169 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.06 min

Lab File: VD060183.D

Acq: 24 Oct 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

NB-08-102318

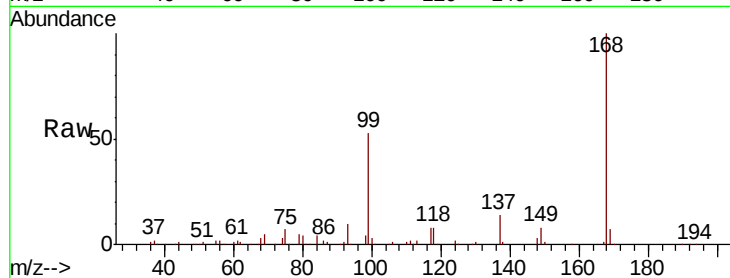
Tot Ion: 56 Resp: 30405

Ion Ratio Lower Upper

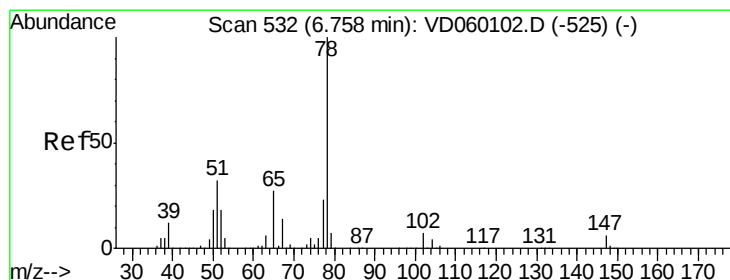
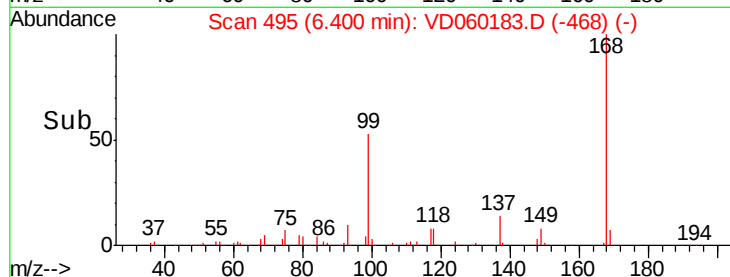
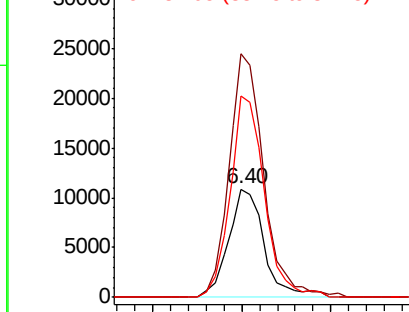
56 100

69 224.8 22.8 34.2#

84 185.9 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: N.D. ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.03 min

Lab File: VD060183.D

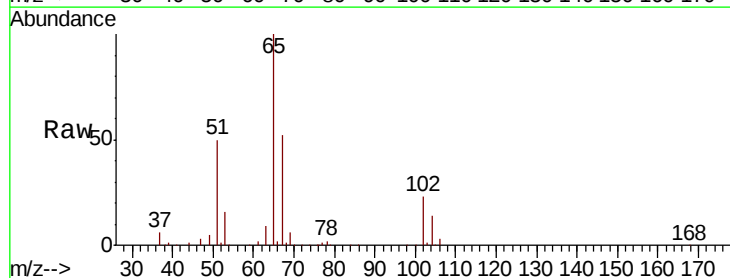
Acq: 24 Oct 2018 15:50

Tgt Ion: 65 Resp: 709280

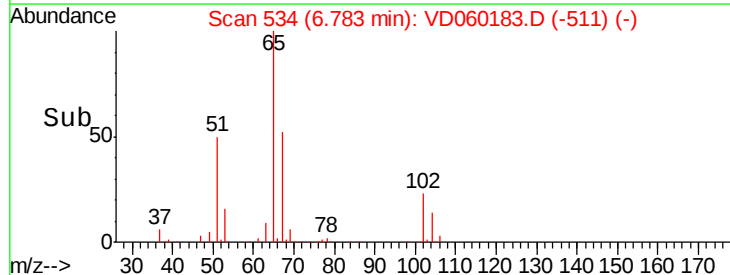
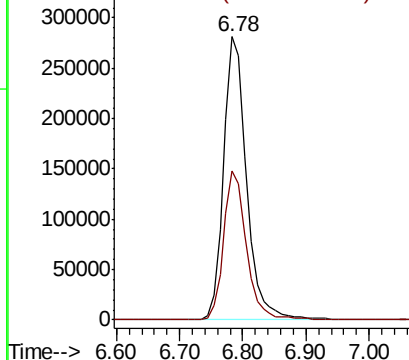
Ion Ratio Lower Upper

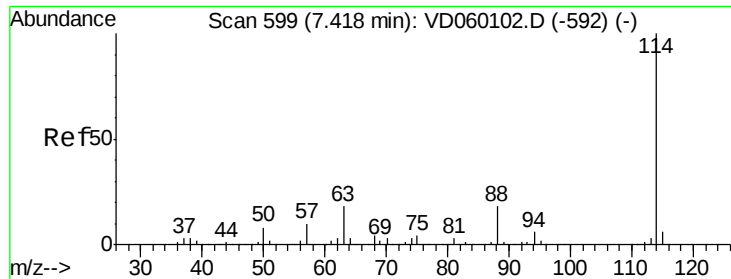
65 100

67 52.5 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

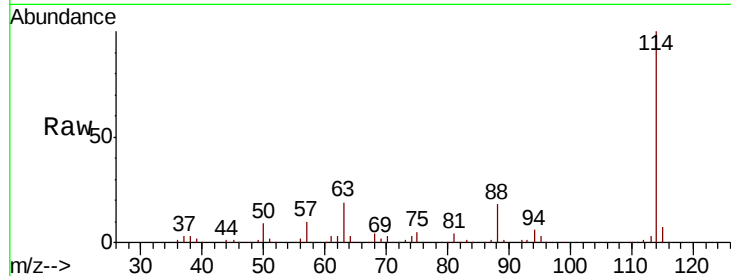




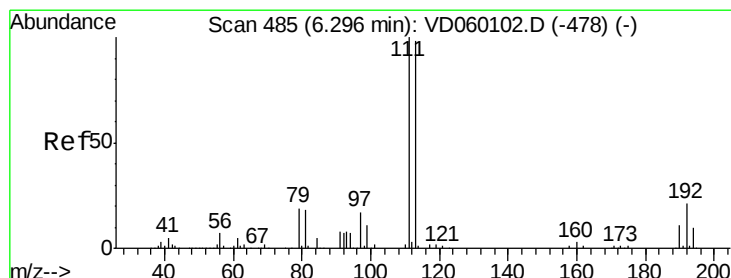
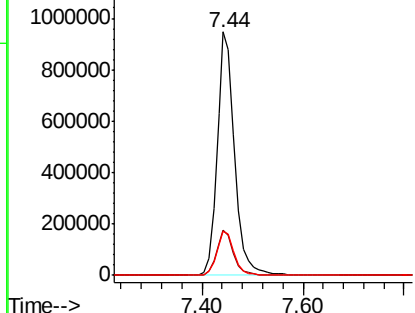
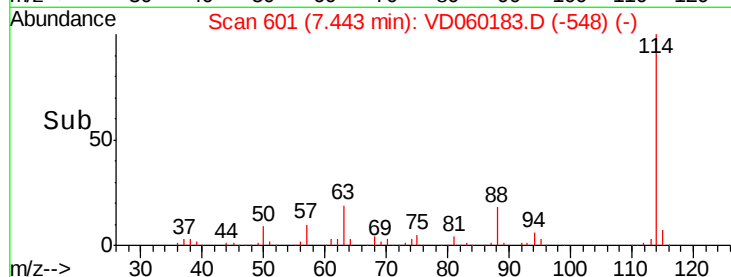
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.03 min
 Lab File: VD060183.D
 Acq: 24 Oct 2018 15:50

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-08-102318

Tot Ion:114 Resp: 2287597
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 36.0
 88 18.1 0.0 36.2

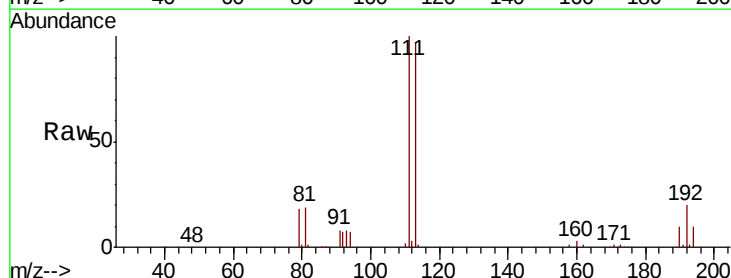


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

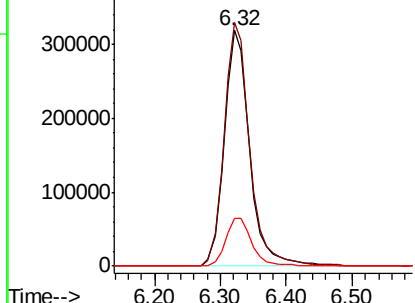
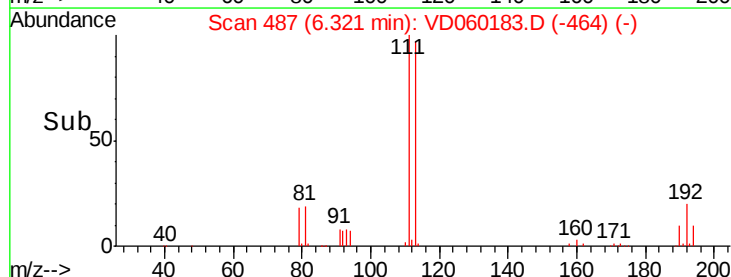


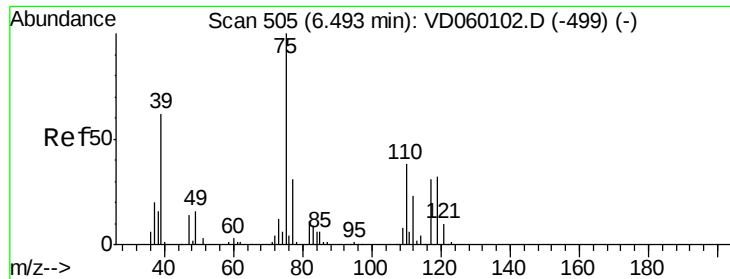
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. 0.03 min
 Lab File: VD060183.D
 Acq: 24 Oct 2018 15:50

Tgt Ion:113 Resp: 857827
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.5 122.3
 192 20.2 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: 4.980 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.09 min

Lab File: VD060183.D

Acq: 24 Oct 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

NB-08-102318

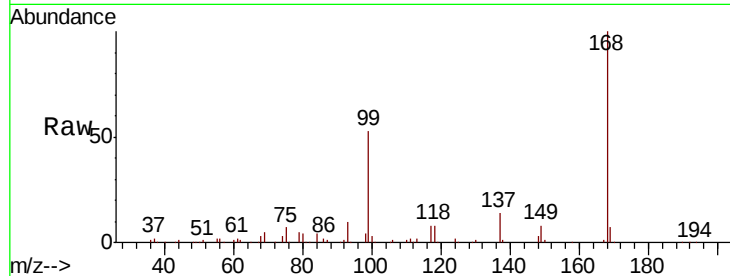
Tot Ion: 75 Resp: 108872

Ion Ratio Lower Upper

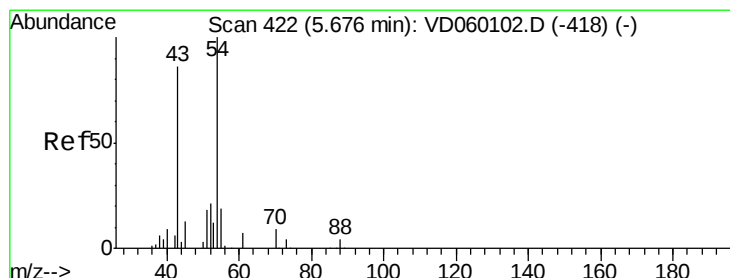
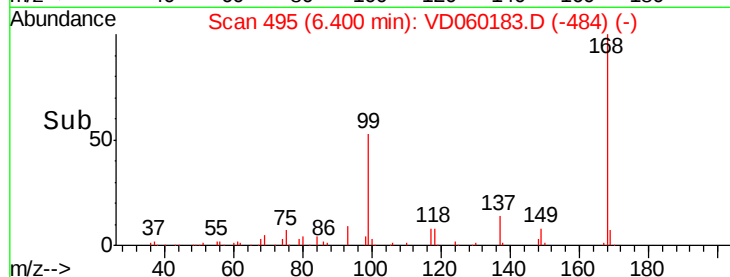
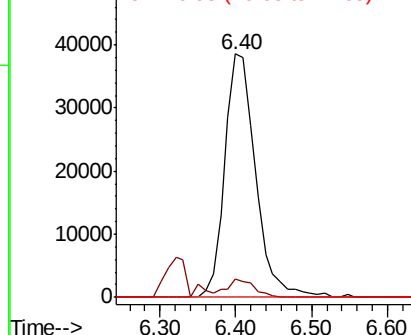
75 100

110 7.7 19.0 57.0#

77 0.0 24.9 37.3#



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



#37

Ethyl Acetate

Concen: 1.536 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.06 min

Lab File: VD060183.D

Acq: 24 Oct 2018 15:50

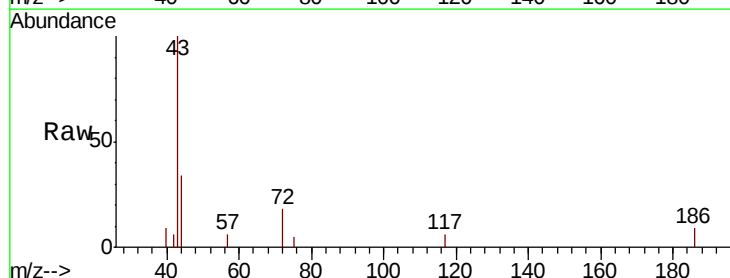
Tgt Ion: 43 Resp: 22281

Ion Ratio Lower Upper

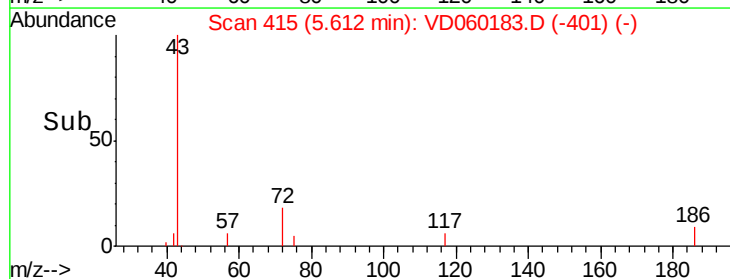
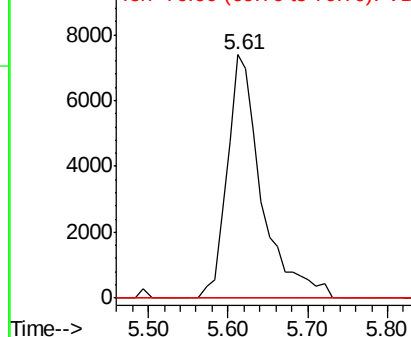
43 100

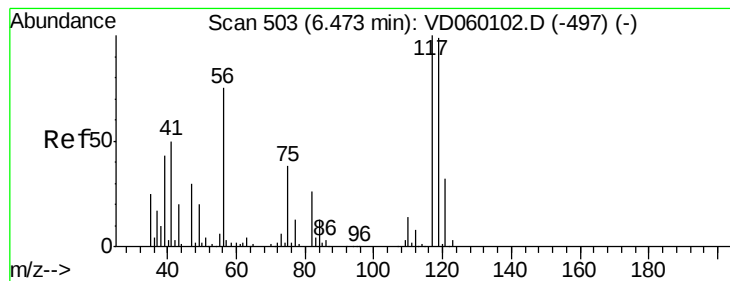
61 0.0 10.5 15.7#

70 0.0 6.3 9.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 6.278 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.06 min

Lab File: VD060183.D

Acq: 24 Oct 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

NB-08-102318

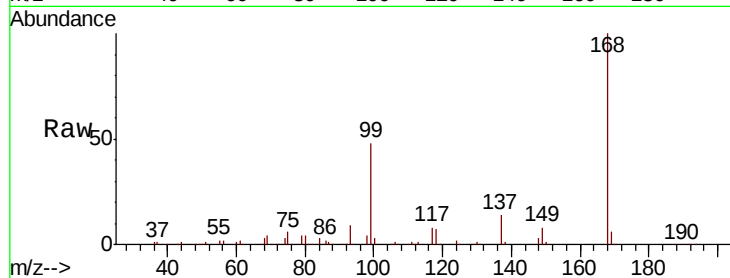
Tot Ion:117 Resp: 124551

Ion Ratio Lower Upper

117 100

119 4.4 77.8 116.6#

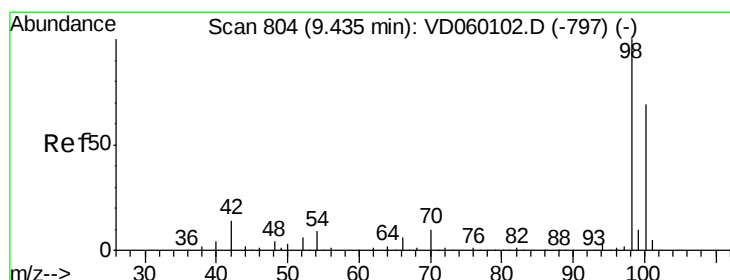
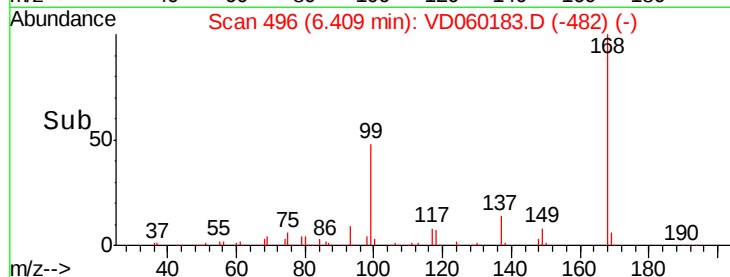
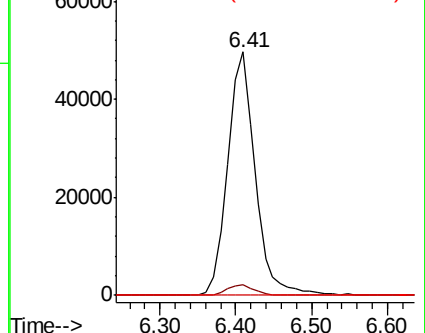
121 0.0 24.8 37.2#



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: 9.46 min Scan# 806

Delta R.T. 0.03 min

Lab File: VD060183.D

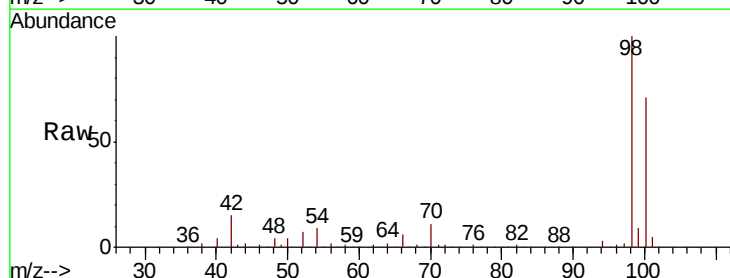
Acq: 24 Oct 2018 15:50

Tgt Ion: 98 Resp: 2311920

Ion Ratio Lower Upper

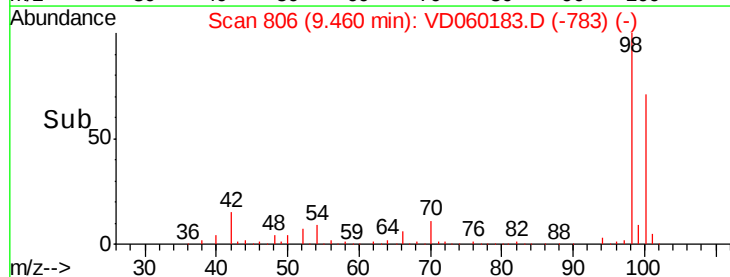
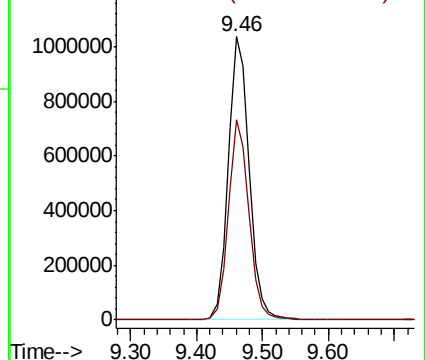
98 100

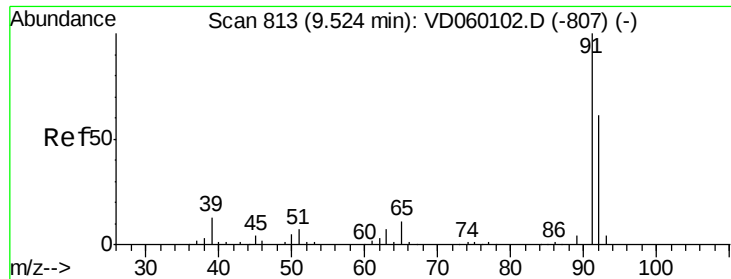
100 70.6 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 2.926 ug/l

RT: 9.56 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060183.D

Acq: 24 Oct 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

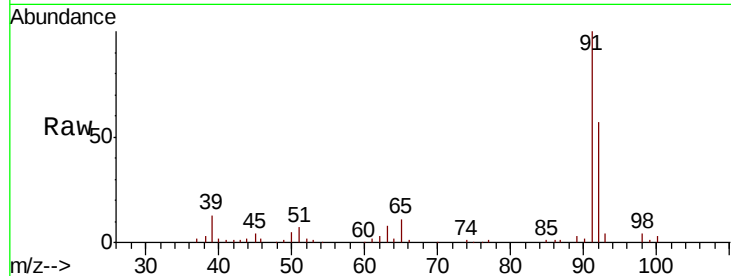
NB-08-102318

Tot Ion: 92 Resp: 107762

Ion Ratio Lower Upper

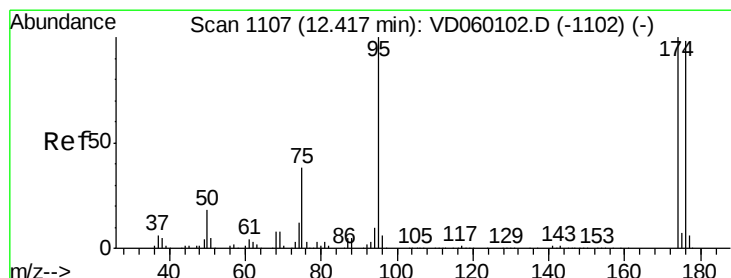
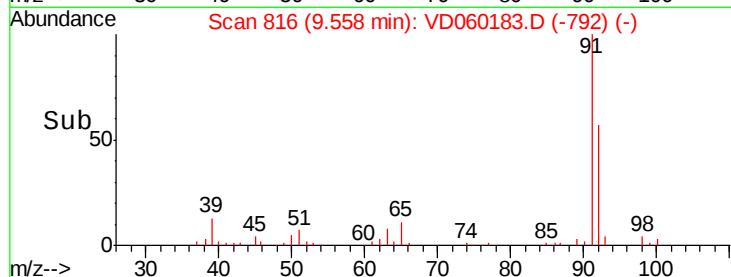
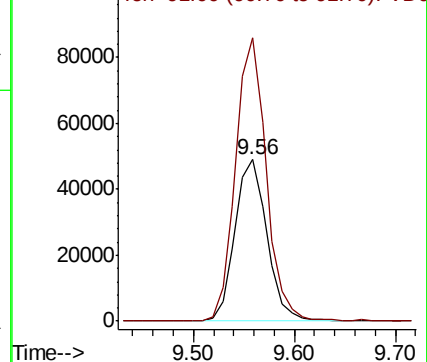
92 100

91 175.5 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.03 min

Lab File: VD060183.D

Acq: 24 Oct 2018 15:50

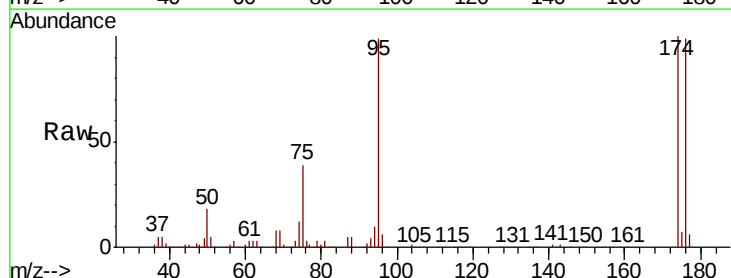
Tgt Ion: 95 Resp: 726442

Ion Ratio Lower Upper

95 100

174 101.3 0.0 200.2

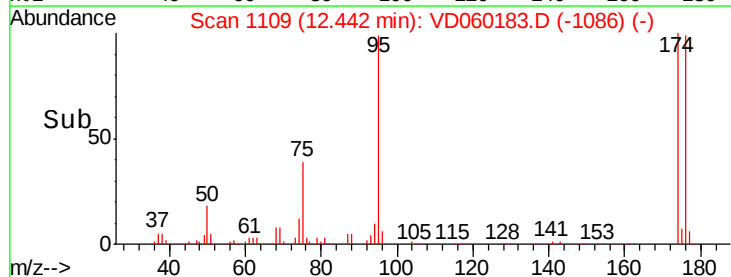
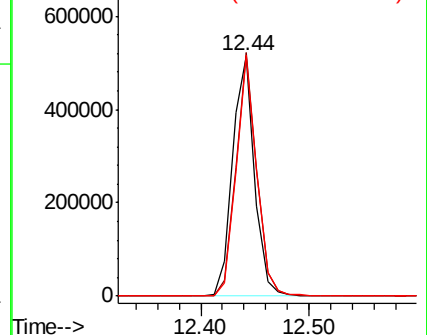
176 100.2 0.0 195.6

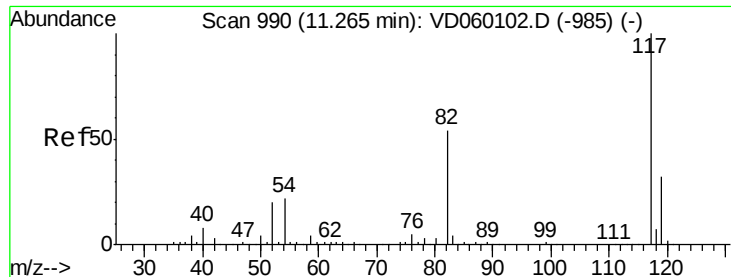


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

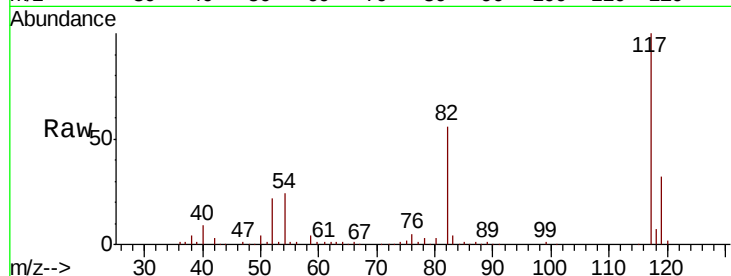




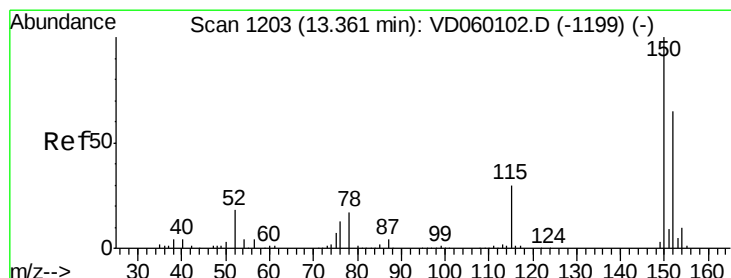
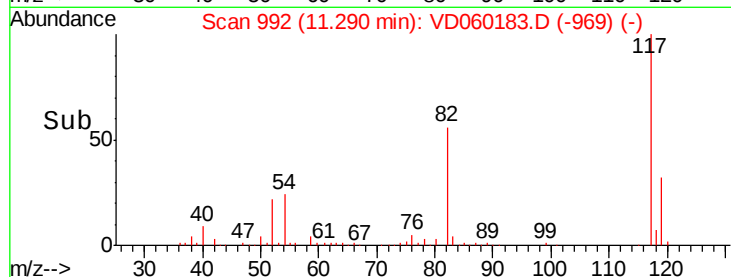
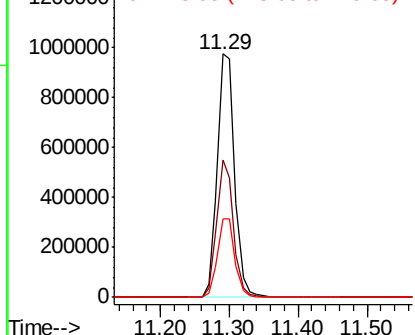
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.03 min
Lab File: VD060183.D
Acq: 24 Oct 2018 15:50

Instrument :
MSVOA_D
ClientSampleId :
NB-08-102318

Tot Ion:117 Resp: 1706242
Ion Ratio Lower Upper
117 100
82 56.2 43.4 65.2
119 32.0 26.0 39.0

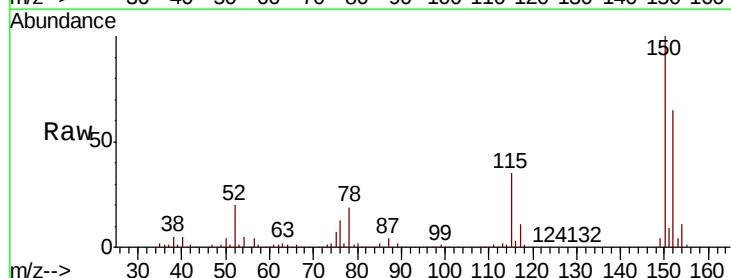


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

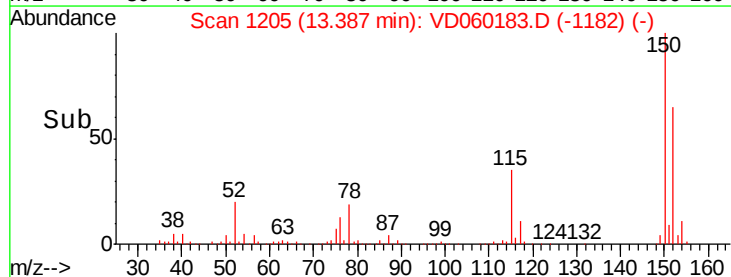
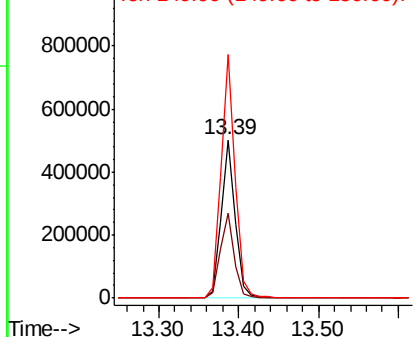


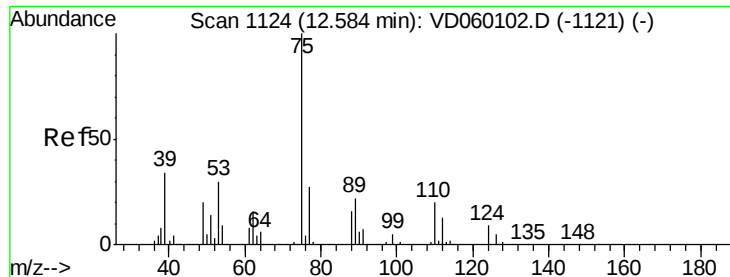
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.39 min Scan# 1205
Delta R.T. 0.03 min
Lab File: VD060183.D
Acq: 24 Oct 2018 15:50

Tgt Ion:152 Resp: 627822
Ion Ratio Lower Upper
152 100
115 53.2 27.1 81.2
150 153.6 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: 32.356 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.14 min

Lab File: VD060183.D

Acq: 24 Oct 2018 15:50

Instrument :

MSVOA_D

ClientSampleId :

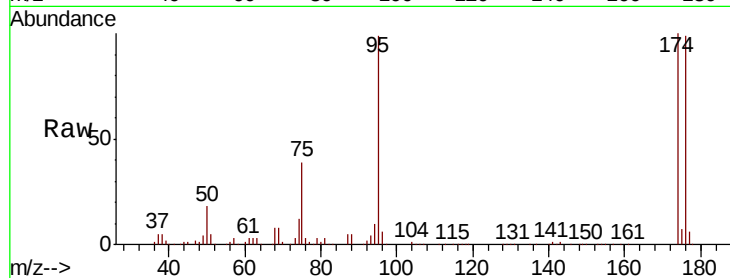
NB-08-102318

Tot Ion: 75 Resp: 292541

Ion Ratio Lower Upper

75 100

77 1.5 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

200000

150000

100000

50000

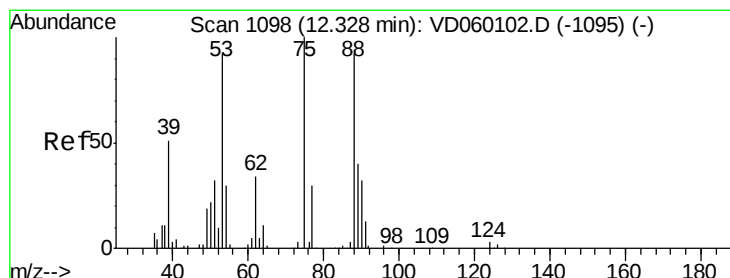
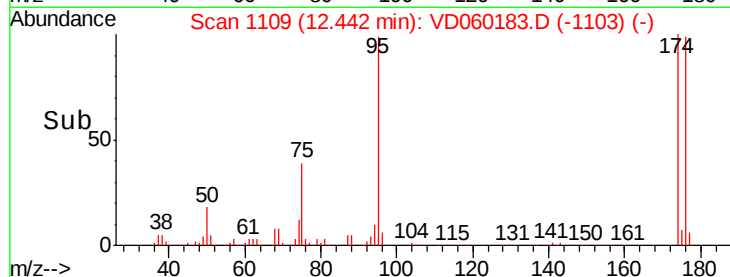
0

12.44

12.40

12.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 115.044 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.11 min

Lab File: VD060183.D

Acq: 24 Oct 2018 15:50

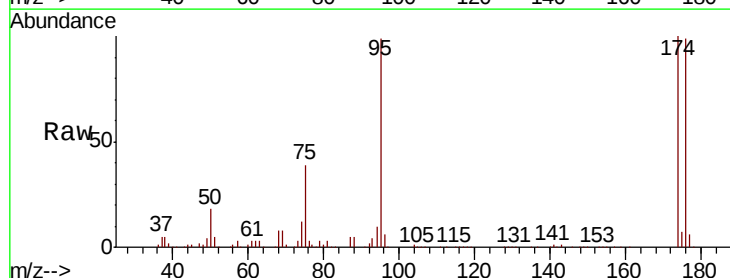
Tgt Ion: 75 Resp: 292272

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

250000

200000

150000

100000

50000

0

12.44

12.40

12.50

Time-->

