

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103118\
 Data File : VD060248.D
 Acq On : 31 Oct 2018 18:17
 Operator : VA/AP
 Sample : J5202-11
 Misc : 7.83g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-02-103018-C

Quant Time: Oct 31 23:54:13 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

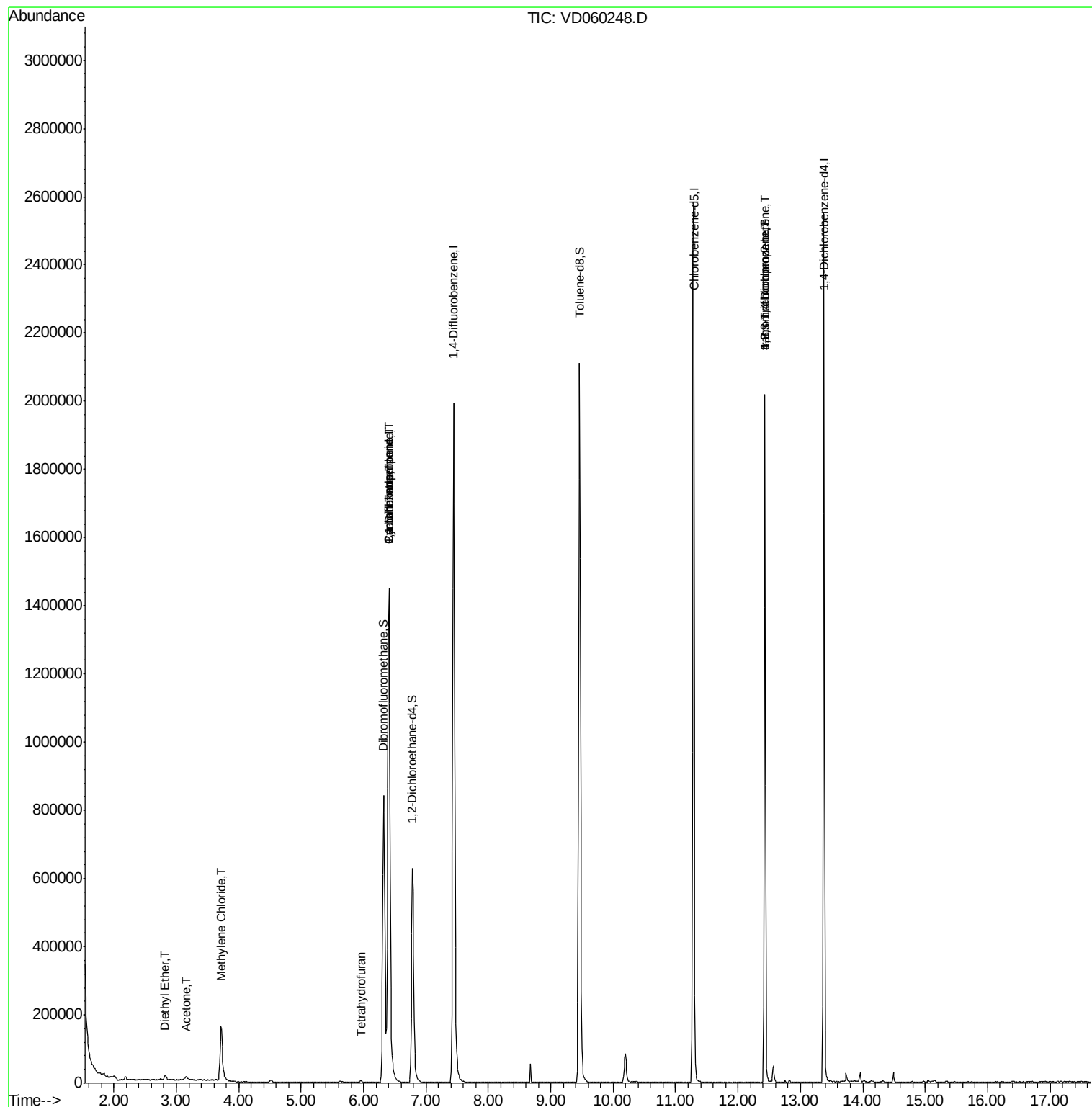
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1450295	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2047259	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1495608	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	584896	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.78	65	518969	47.21	ug/l	0.02
Spiked Amount 50.000			Recovery	=	94.42%	
35) Dibromofluoromethane	6.32	113	674762	43.40	ug/l	0.02
Spiked Amount 50.000			Recovery	=	86.80%	
50) Toluene-d8	9.46	98	1689997	38.12	ug/l	0.02
Spiked Amount 50.000			Recovery	=	76.24%	
62) 4-Bromofluorobenzene	12.43	95	568084	34.22	ug/l	0.01
Spiked Amount 50.000			Recovery	=	68.44%	
Target Compounds						
8) Diethyl Ether	2.83	74	5522	2.228	ug/l	96
16) Acetone	3.16	43	23690	11.876	ug/l	94
20) Methylene Chloride	3.71	84	103052	2.475	ug/l	96
29) Tetrahydrofuran	5.96	42	3510	1.213	ug/l #	84
31) Cyclohexane	6.41	56	25825	1.084	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	100293	5.127	ug/l #	47
38) Carbon Tetrachloride	6.41	117	110282	6.211	ug/l #	15
76) 1,2,3-Trichloropropane	12.43	75	228014	27.070	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.43	75	228468	96.530	ug/l #	13

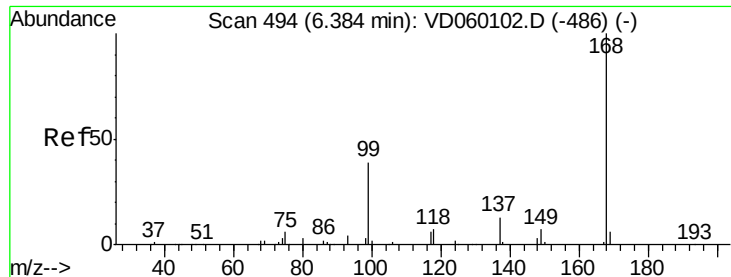
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD103118\
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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. 0.02 min

Lab File: VD060248.D

Acq: 31 Oct 2018 18:17

Instrument :

MSVOA_D

ClientSampleId :

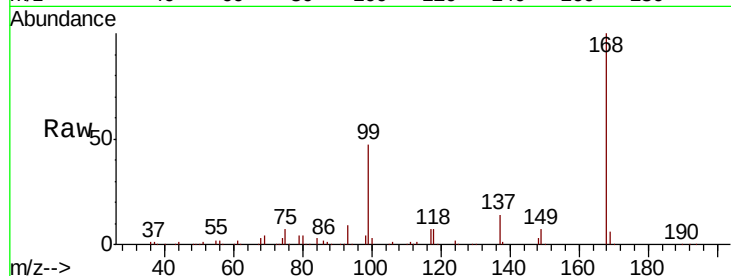
PL-02-103018-C

Tot Ion:168 Resp: 1450295

Ion Ratio Lower Upper

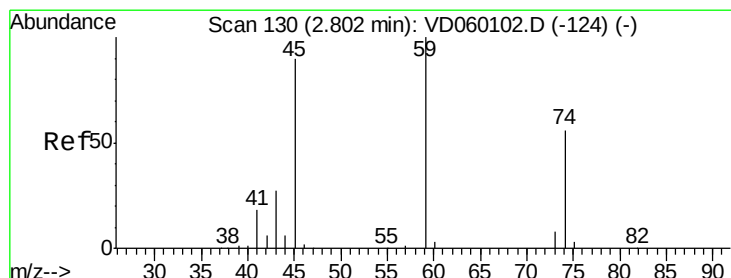
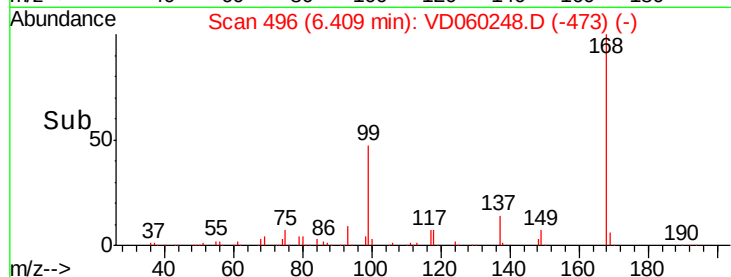
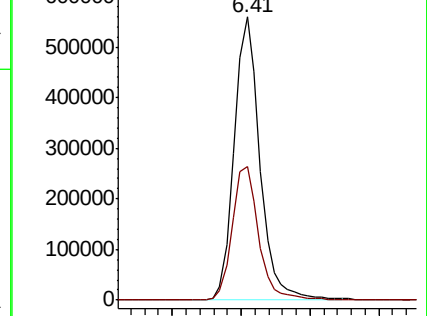
168 100

99 47.1 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: 2.228 ug/l

RT: 2.83 min Scan# 132

Delta R.T. 0.02 min

Lab File: VD060248.D

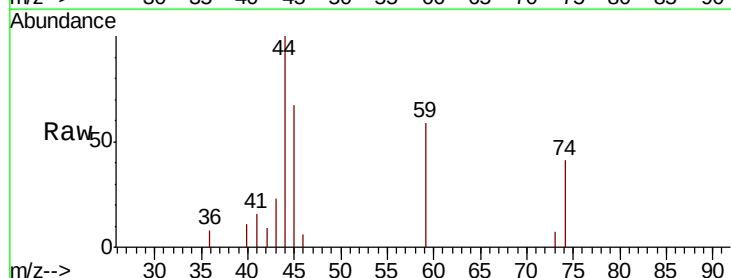
Acq: 31 Oct 2018 18:17

Tgt Ion: 74 Resp: 5522

Ion Ratio Lower Upper

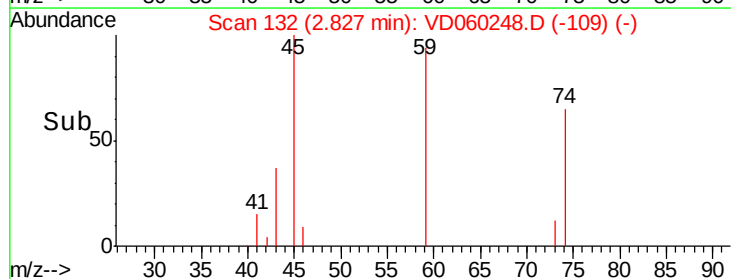
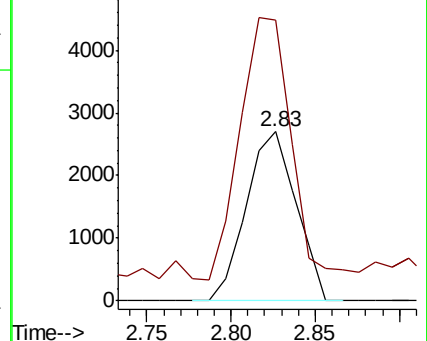
74 100

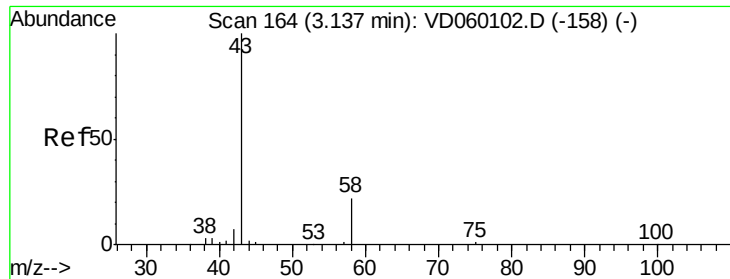
45 166.1 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 11.876 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060248.D

Acq: 31 Oct 2018 18:17

Instrument :

MSVOA_D

ClientSampleId :

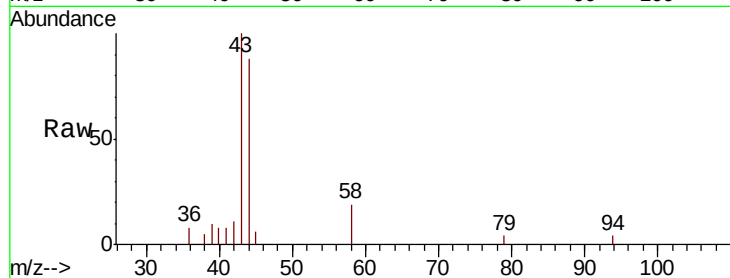
PL-02-103018-C

Tot Ion: 43 Resp: 23690

Ion Ratio Lower Upper

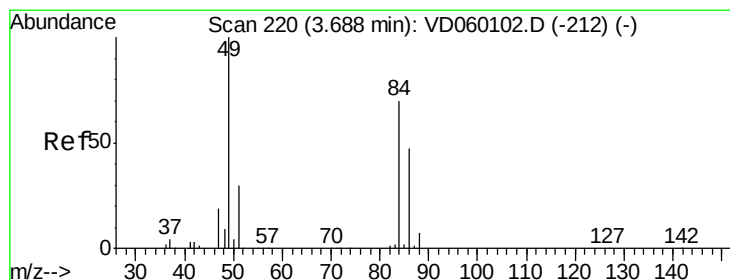
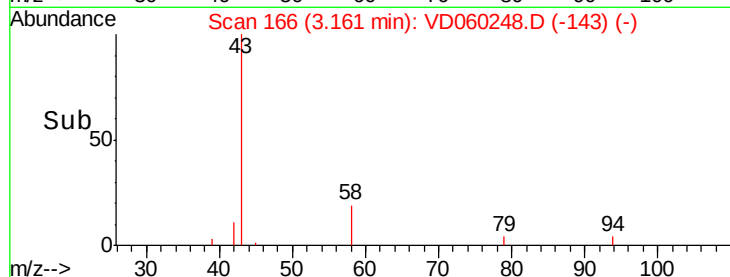
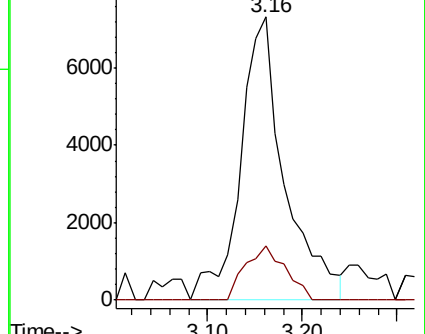
43 100

58 19.4 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 2.475 ug/l

RT: 3.71 min Scan# 222

Delta R.T. 0.03 min

Lab File: VD060248.D

Acq: 31 Oct 2018 18:17

Tgt Ion: 84 Resp: 103052

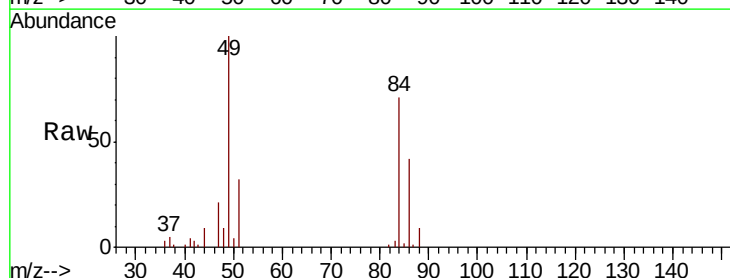
Ion Ratio Lower Upper

84 100

49 141.3 114.6 172.0

51 45.8 33.8 50.8

86 60.0 53.3 79.9

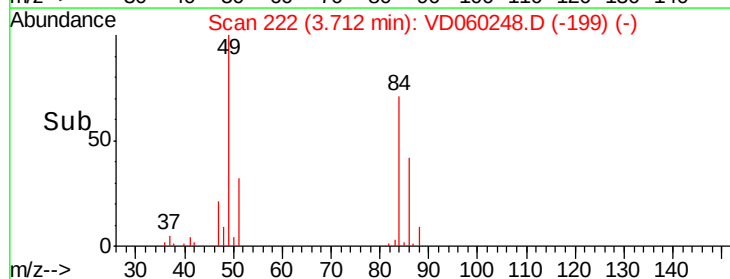
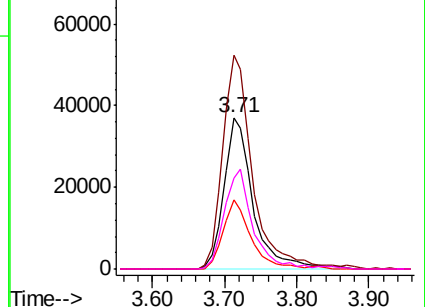


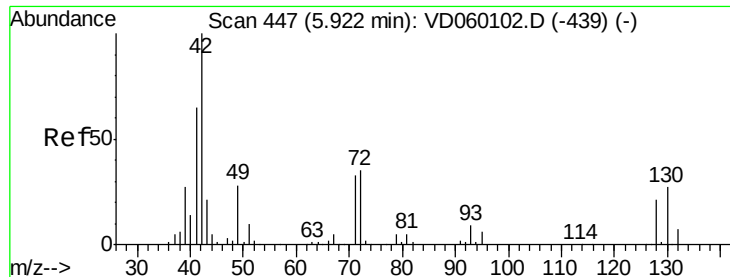
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#29

Tetrahydrofuran

Concen: 1.213 ug/l

RT: 5.96 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060248.D

Acq: 31 Oct 2018 18:17

Instrument :

MSVOA_D

ClientSampleId :

PL-02-103018-C

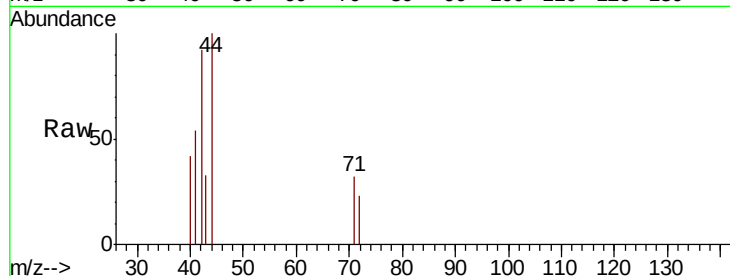
Tot Ion: 42 Resp: 3510

Ion Ratio Lower Upper

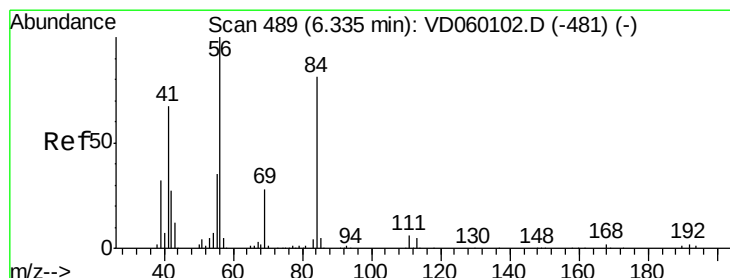
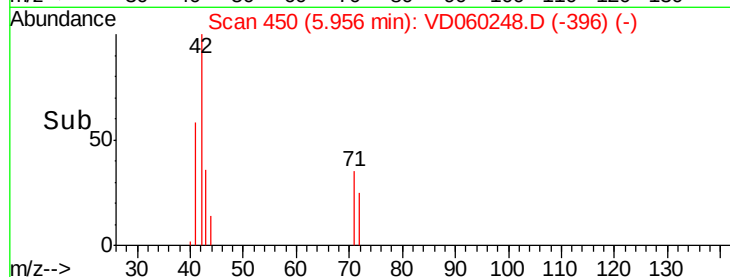
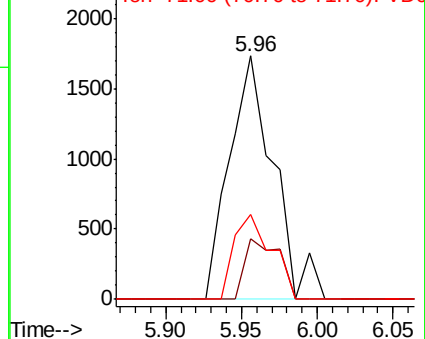
42 100

72 19.2 26.9 40.3#

71 29.4 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: 1.084 ug/l

RT: 6.41 min Scan# 496

Delta R.T. 0.07 min

Lab File: VD060248.D

Acq: 31 Oct 2018 18:17

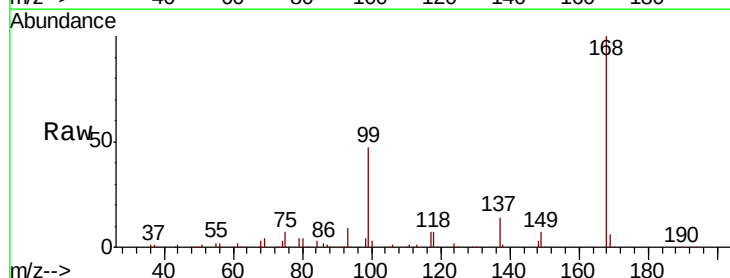
Tgt Ion: 56 Resp: 25825

Ion Ratio Lower Upper

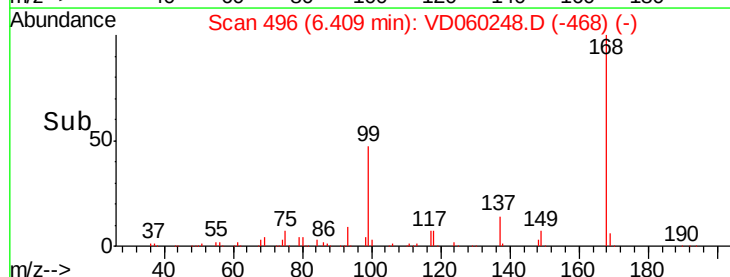
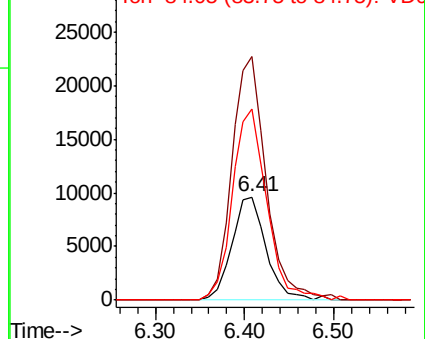
56 100

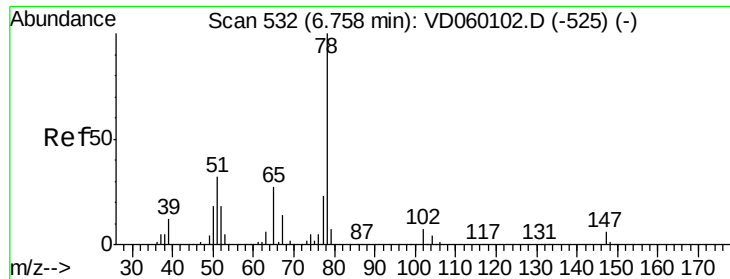
69 235.6 22.8 34.2#

84 184.4 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

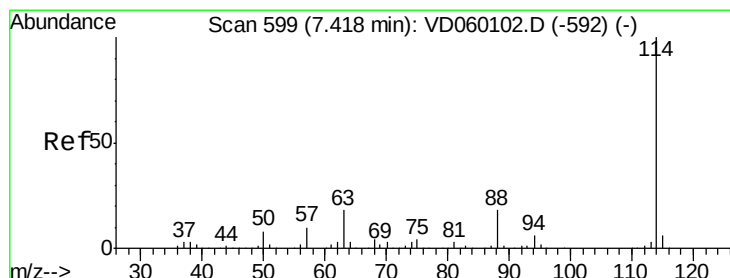
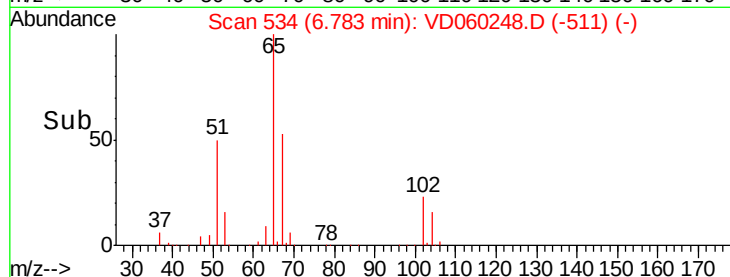
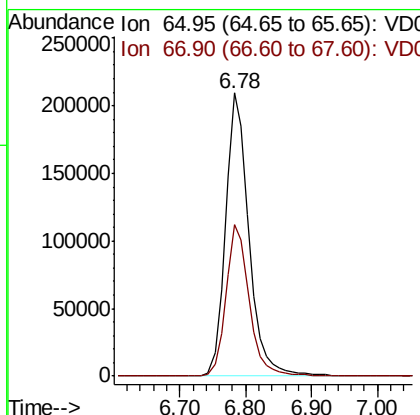
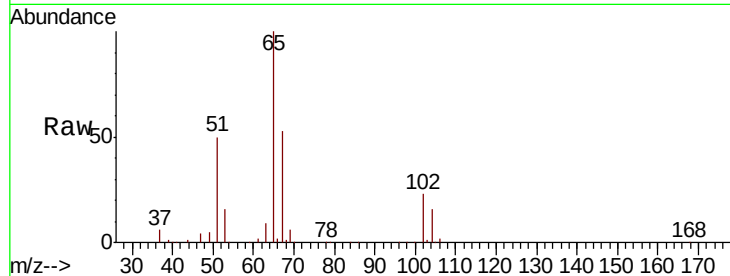




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VD060248.D
 Acq: 31 Oct 2018 18:17

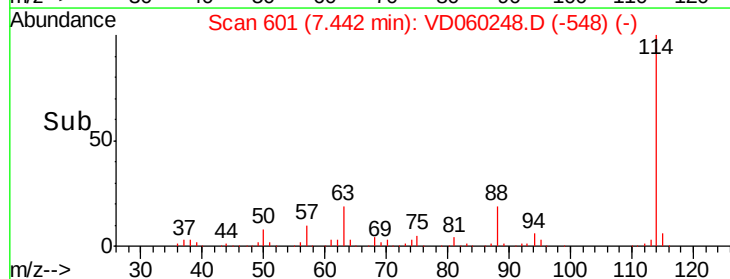
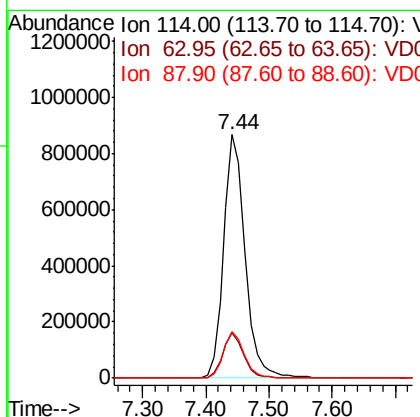
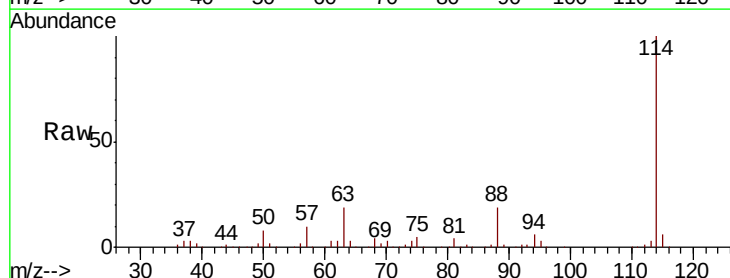
Instrument :
 MSVOA_D
 ClientSampleId :
 PL-02-103018-C

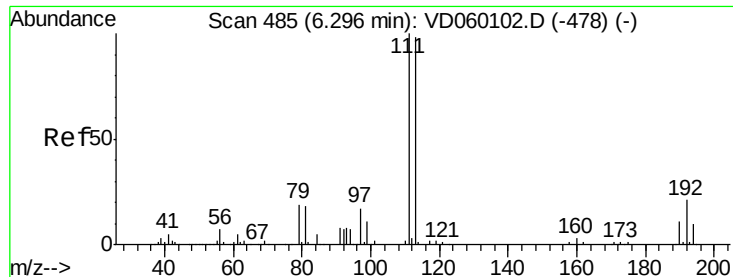
Tot Ion: 65 Resp: 518969
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060248.D
 Acq: 31 Oct 2018 18:17

Tgt Ion: 114 Resp: 2047259
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 36.0
 88 19.0 0.0 36.2

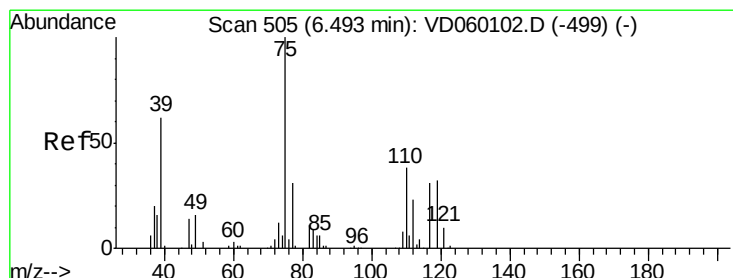
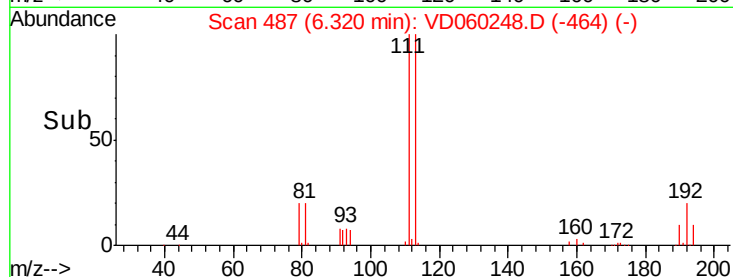
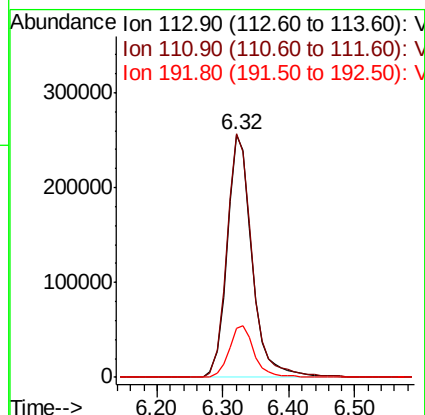
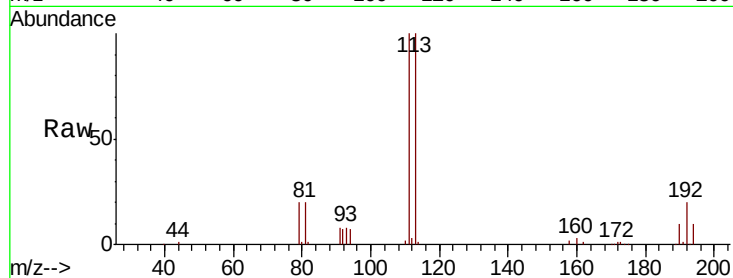




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060248.D
 Acq: 31 Oct 2018 18:17

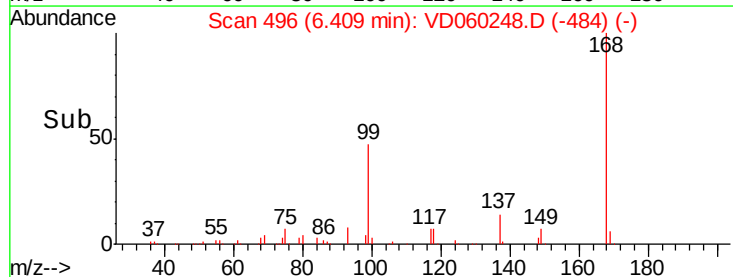
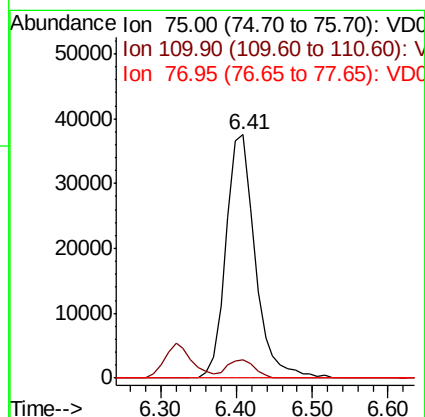
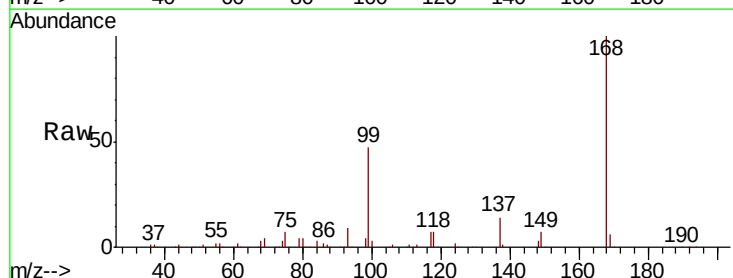
Instrument :
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 ClientSampleId :
 PL-02-103018-C

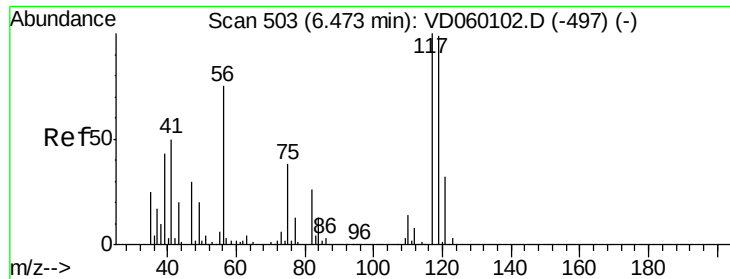
Tot Ion:113 Resp: 674762
 Ion Ratio Lower Upper
 113 100
 111 100.3 81.5 122.3
 192 20.3 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 5.127 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.08 min
 Lab File: VD060248.D
 Acq: 31 Oct 2018 18:17

Tgt Ion: 75 Resp: 100293
 Ion Ratio Lower Upper
 75 100
 110 7.3 19.0 57.0#
 77 0.0 24.9 37.3#

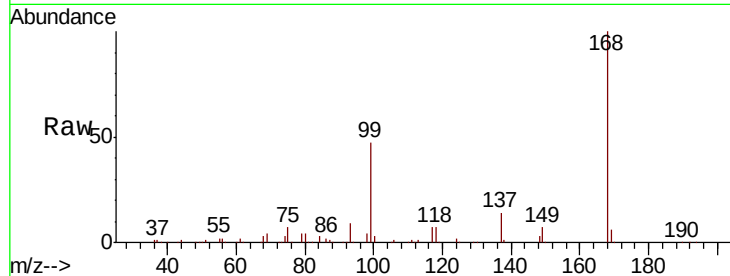




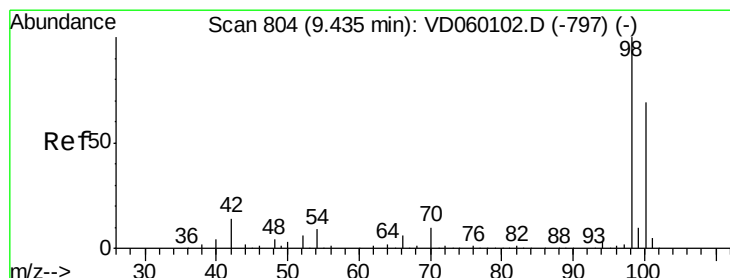
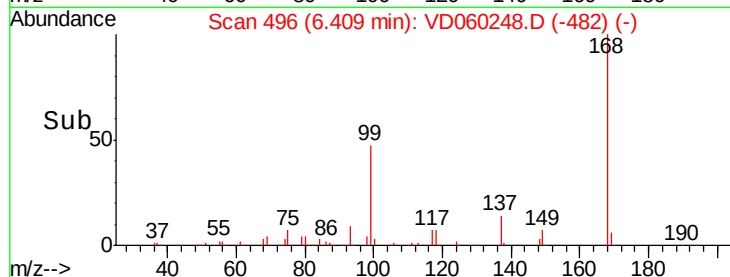
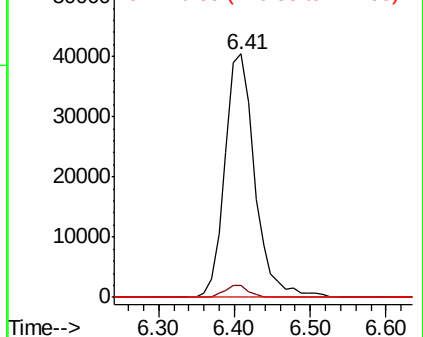
#38
Carbon Tetrachloride
Concen: 6.211 ug/l
RT: 6.41 min Scan# 496
Delta R.T. -0.06 min
Lab File: VD060248.D
Acq: 31 Oct 2018 18:17

Instrument :
MSVOA_D
ClientSampleId :
PL-02-103018-C

Tot Ion:117 Resp: 110282
Ion Ratio Lower Upper
117 100
119 5.0 77.8 116.6#
121 0.0 24.8 37.2#

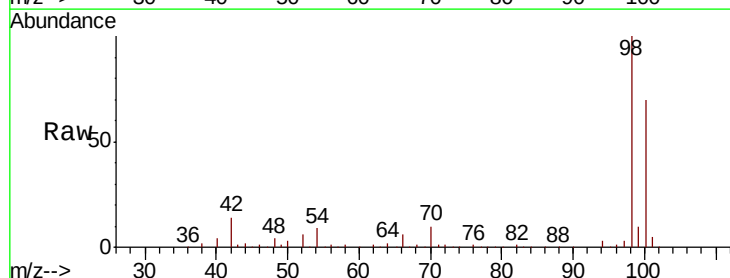


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

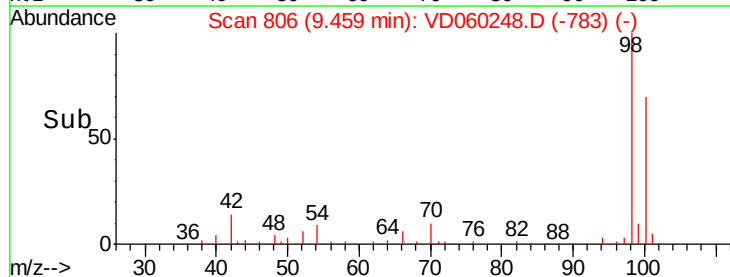
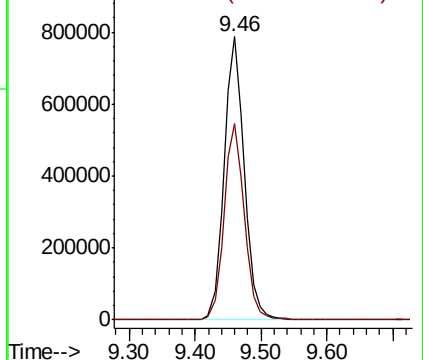


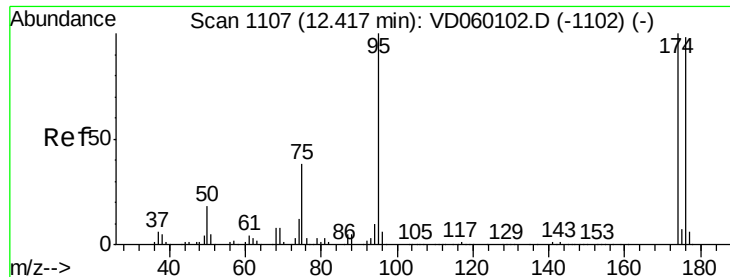
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060248.D
Acq: 31 Oct 2018 18:17

Tgt Ion: 98 Resp: 1689997
Ion Ratio Lower Upper
98 100
100 69.5 55.4 83.0



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060248.D

Acq: 31 Oct 2018 18:17

Instrument :

MSVOA_D

ClientSampleId :

PL-02-103018-C

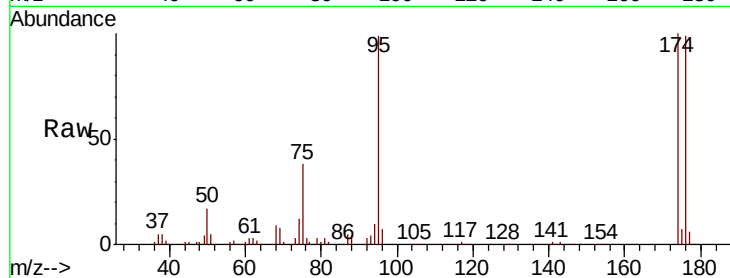
Tot Ion: 95 Resp: 568084

Ion Ratio Lower Upper

95 100

174 100.9 0.0 200.2

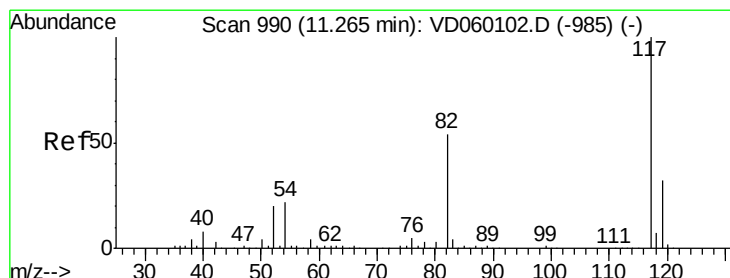
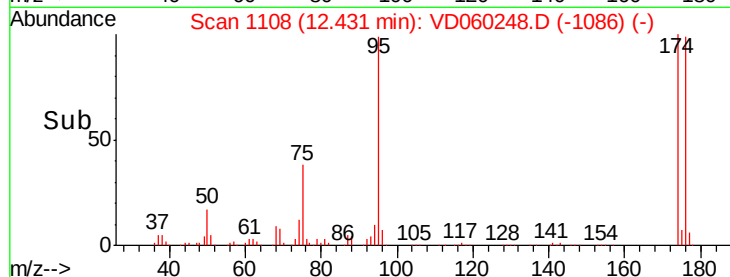
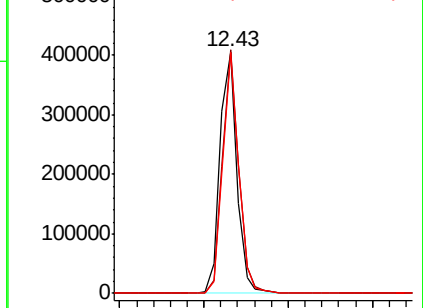
176 100.0 0.0 195.6



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.29 min Scan# 992

Delta R.T. 0.02 min

Lab File: VD060248.D

Acq: 31 Oct 2018 18:17

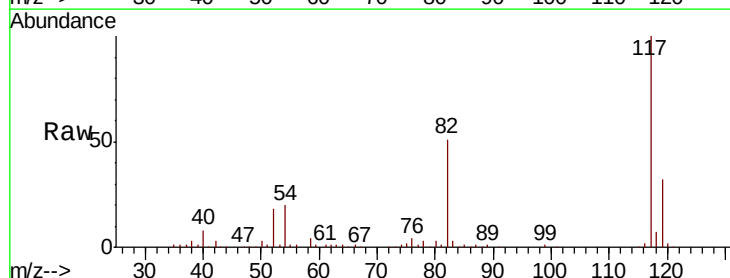
Tgt Ion: 117 Resp: 1495608

Ion Ratio Lower Upper

117 100

82 51.2 43.4 65.2

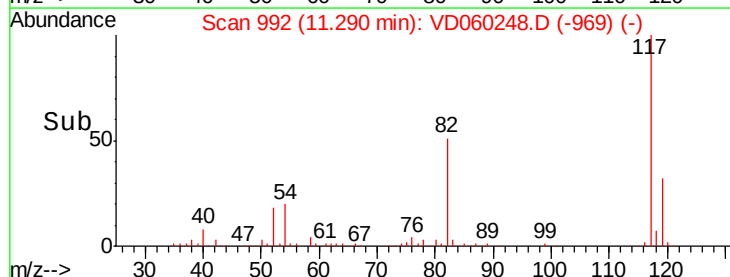
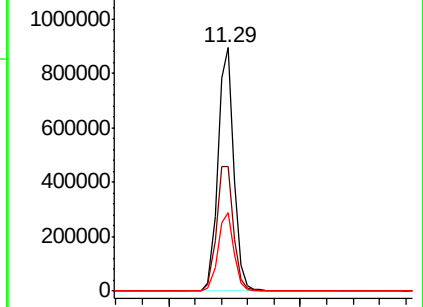
119 32.5 26.0 39.0

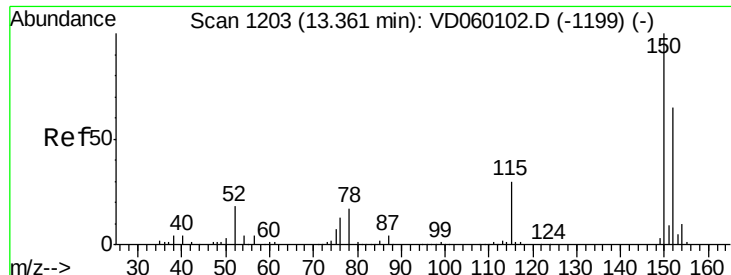


Abundance Ion 116.95 (116.65 to 117.65): V

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: 13.38 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060248.D

Acq: 31 Oct 2018 18:17

Instrument :

MSVOA_D

ClientSampleId :

PL-02-103018-C

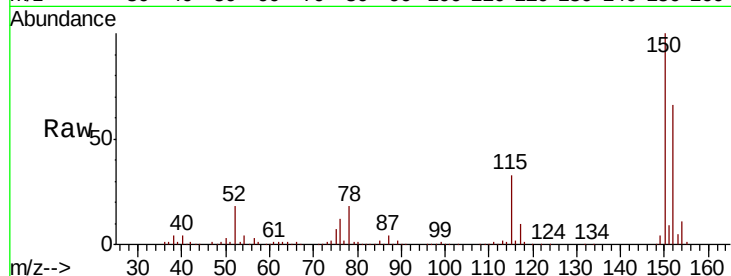
Tot Ion:152 Resp: 584896

Ion Ratio Lower Upper

152 100

115 49.9 27.1 81.2

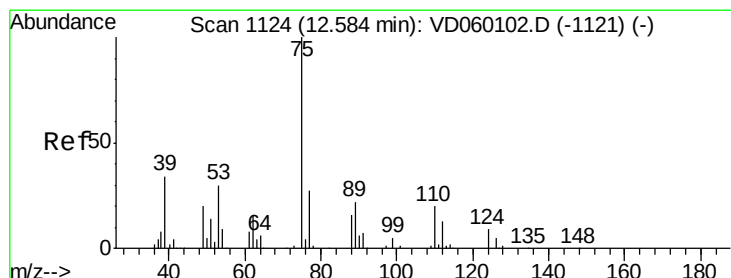
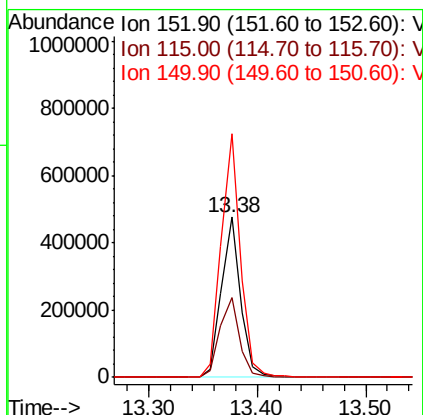
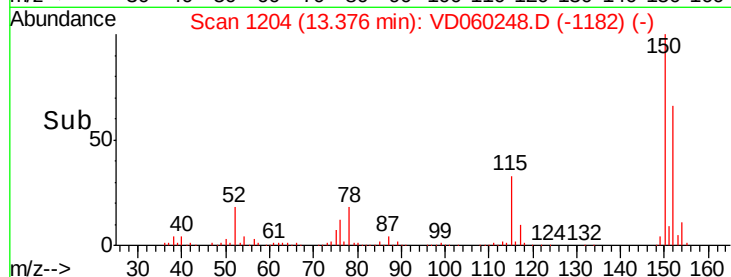
150 152.1 0.0 311.8



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: 27.070 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.15 min

Lab File: VD060248.D

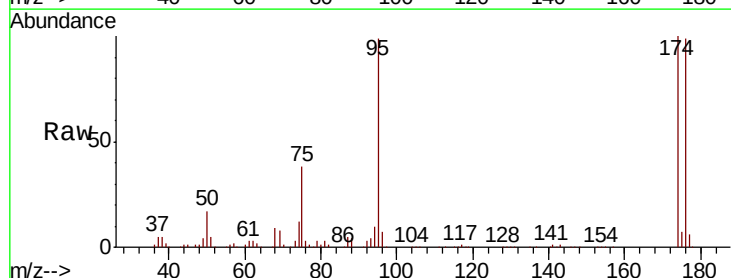
Acq: 31 Oct 2018 18:17

Tgt Ion: 75 Resp: 228014

Ion Ratio Lower Upper

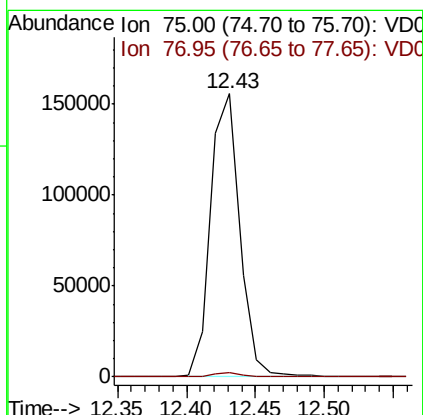
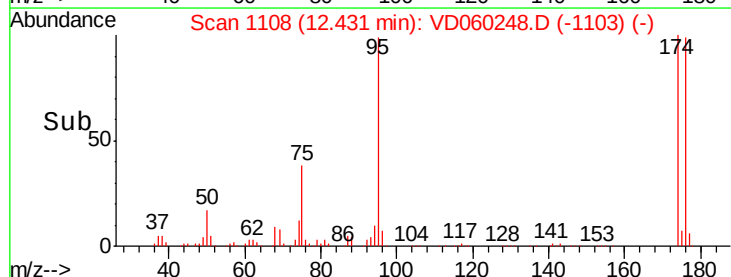
75 100

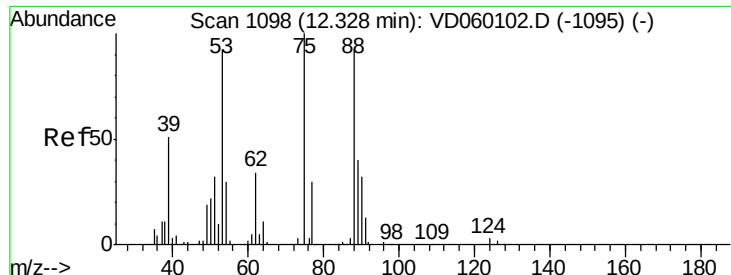
77 1.4 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 96.530 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.10 min

Lab File: VD060248.D

Acq: 31 Oct 2018 18:17

Instrument :

MSVOA_D

ClientSampleId :

PL-02-103018-C

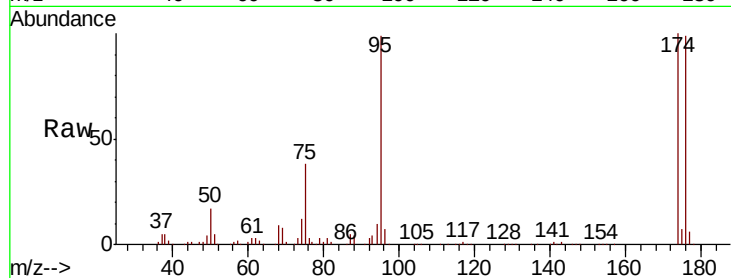
Tot Ion: 75 Resp: 228468

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

