

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031219\
 Data File : VD061028.D
 Acq On : 12 Mar 2019 17:04
 Operator : VA/AP
 Sample : K1824-07RE
 Misc : 5.05µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-27

Quant Time: Mar 13 04:09:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	636901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1125640	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	884568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	446127	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	279832	52.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.56%	
35) Dibromofluoromethane	6.92	113	433423	51.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.76%	
50) Toluene-d8	10.41	98	1017090	48.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	13.55	95	398079	48.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.82%	

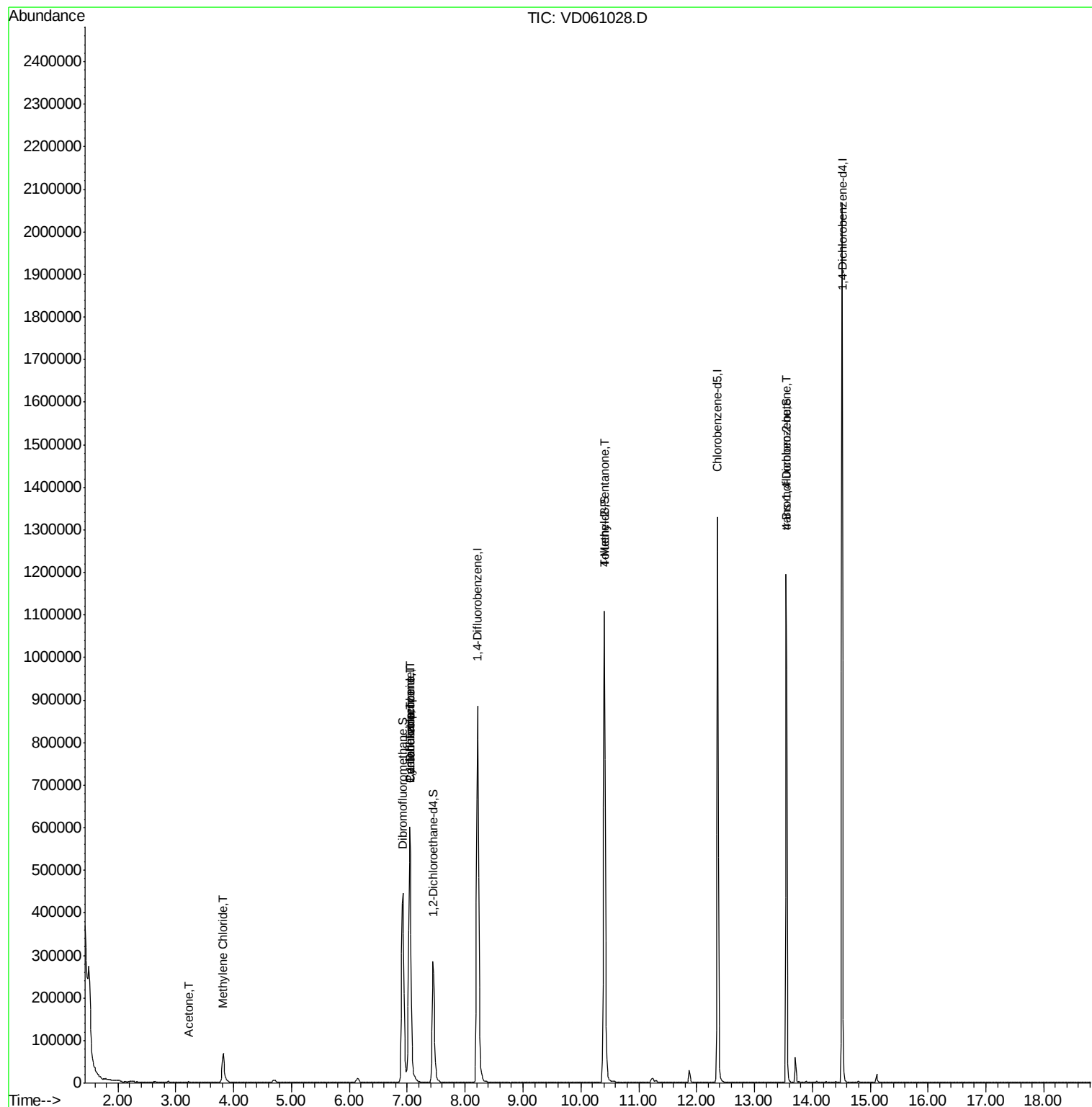
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	2610	1.722	ug/l	97
20) Methylene Chloride	3.81	84	52214	3.187	ug/l	92
31) Cyclohexane	7.04	56	11023	1.175	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	48396	4.988	ug/l #	46
38) Carbon Tetrachloride	7.04	117	61926	5.794	ug/l #	15
51) 4-Methyl-2-Pentanone	10.41	43	3990	1.033	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	143716	75.949	ug/l #	17

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031219\
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Acq On : 12 Mar 2019 17:04
Operator : VA/AP
Sample : K1824-07RE
Misc : 5.05g/5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

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MSVOA_D
ClientSampleId :
TP-27

Quant Time: Mar 13 04:09:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061028.D

Acq: 12 Mar 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

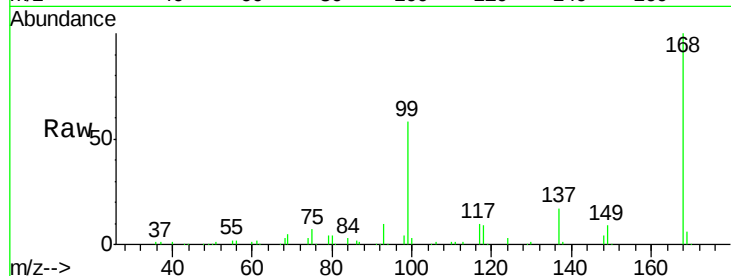
TP-27

Tot Ion:168 Resp: 636901

Ion Ratio Lower Upper

168 100

99 58.3 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

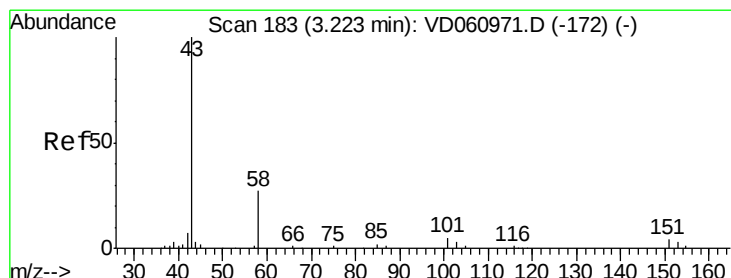
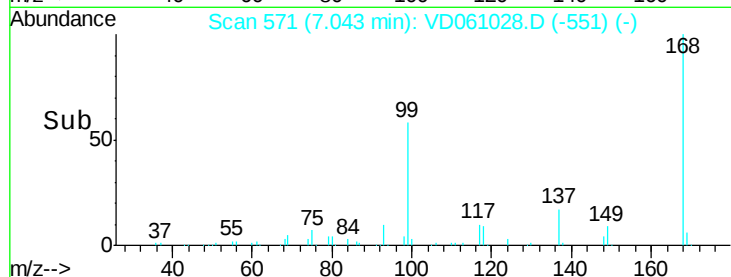
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 1.722 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061028.D

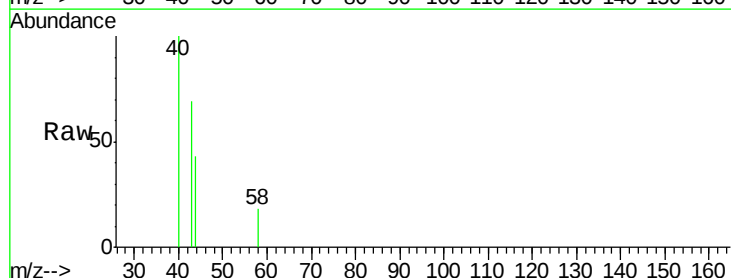
Acq: 12 Mar 2019 17:04

Tgt Ion: 43 Resp: 2610

Ion Ratio Lower Upper

43 100

58 25.4 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

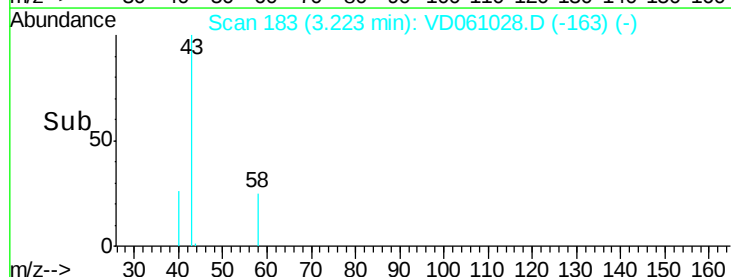
1000

500

0

3.15 3.20 3.25 3.30

Time-->

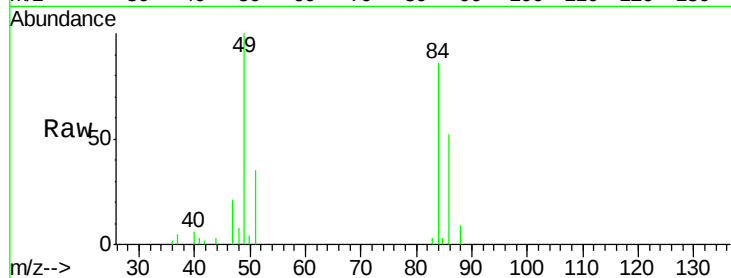




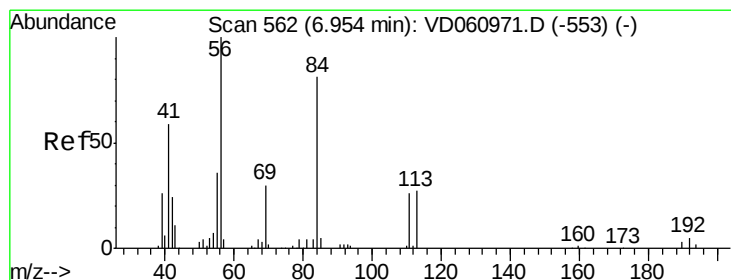
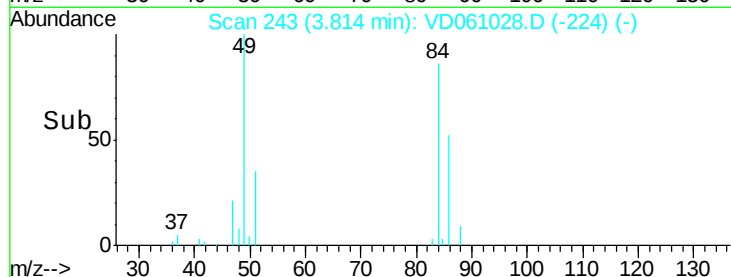
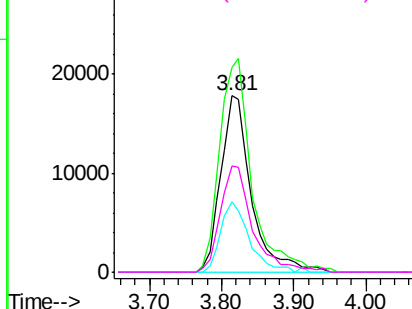
#20
Methylene Chloride
Concen: 3.187 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061028.D
Acq: 12 Mar 2019 17:04

Instrument :
MSVOA_D
ClientSampleId :
TP-27

Tot Ion: 84 Resp: 52214
Ion Ratio Lower Upper
84 100
49 116.3 104.2 156.2
51 40.3 32.3 48.5
86 60.1 52.3 78.5

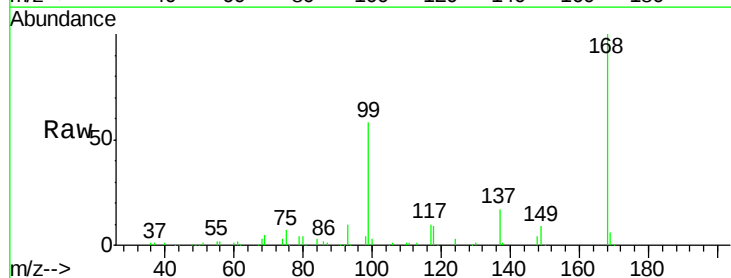


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

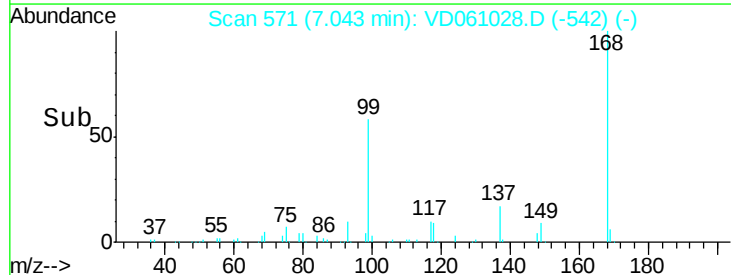
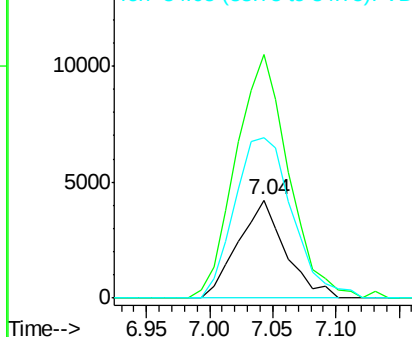


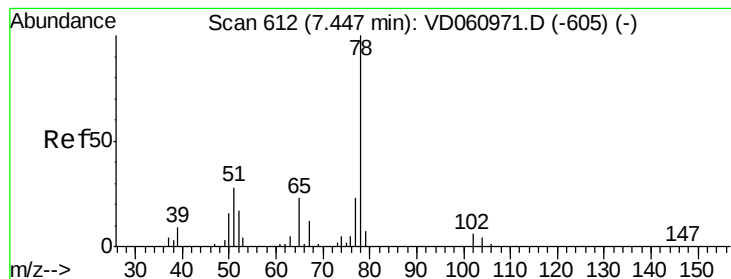
#31
Cyclohexane
Concen: 1.175 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD061028.D
Acq: 12 Mar 2019 17:04

Tgt Ion: 56 Resp: 11023
Ion Ratio Lower Upper
56 100
69 247.7 24.0 36.0#
84 162.6 65.8 98.6#



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: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061028.D

Acq: 12 Mar 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

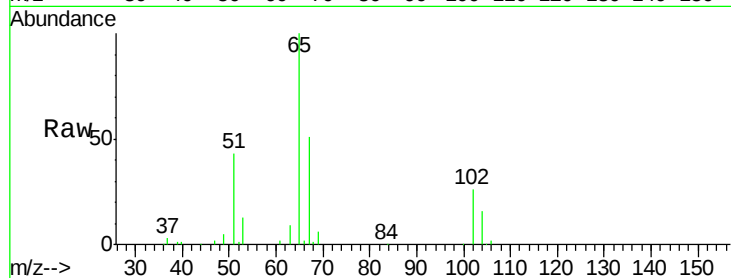
TP-27

Tot Ion: 65 Resp: 279832

Ion Ratio Lower Upper

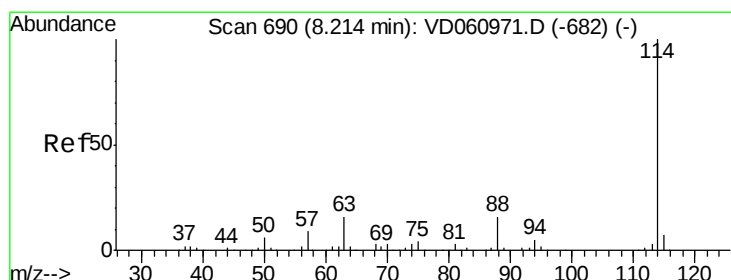
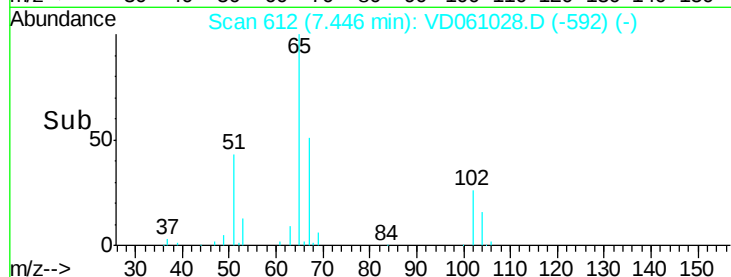
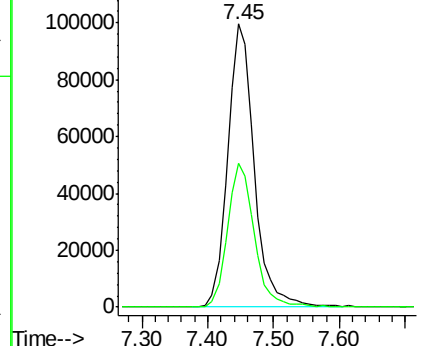
65 100

67 51.0 0.0 105.2



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: 8.21 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD061028.D

Acq: 12 Mar 2019 17:04

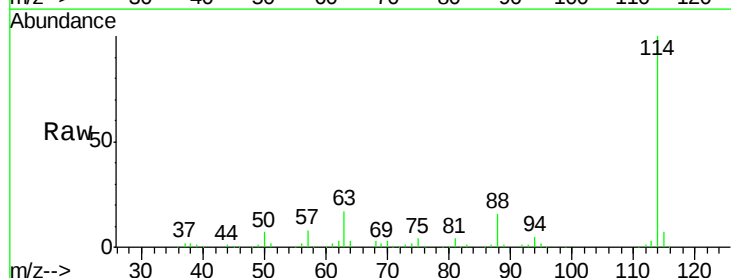
Tgt Ion: 114 Resp: 1125640

Ion Ratio Lower Upper

114 100

63 17.3 0.0 31.4

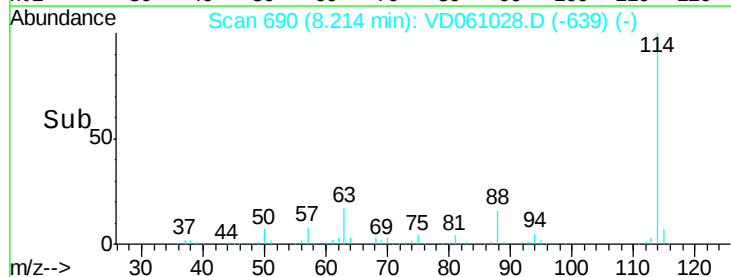
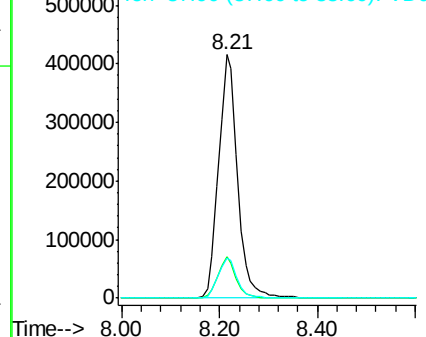
88 16.3 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.92 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD061028.D

Acq: 12 Mar 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

TP-27

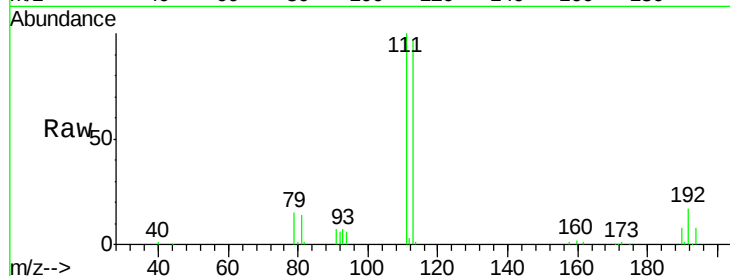
Tot Ion:113 Resp: 433423

Ion Ratio Lower Upper

113 100

111 103.2 84.2 126.4

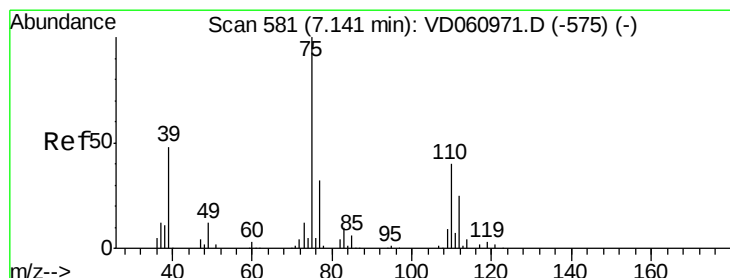
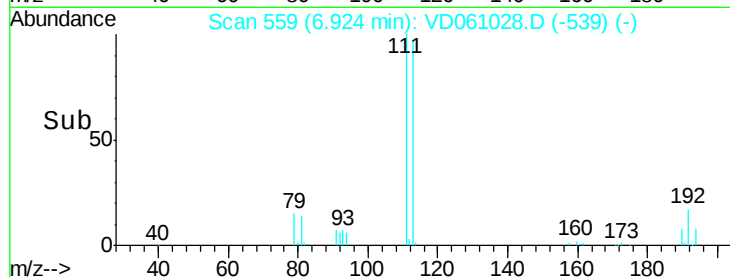
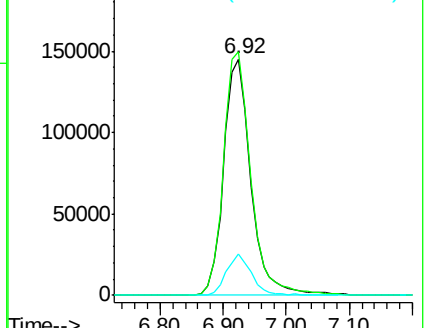
192 17.3 13.1 19.7



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: 4.988 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD061028.D

Acq: 12 Mar 2019 17:04

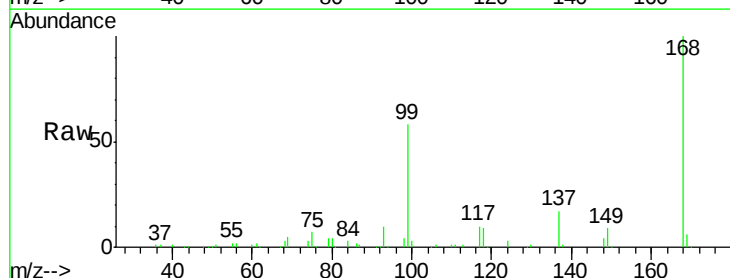
Tgt Ion: 75 Resp: 48396

Ion Ratio Lower Upper

75 100

110 7.9 19.7 59.1#

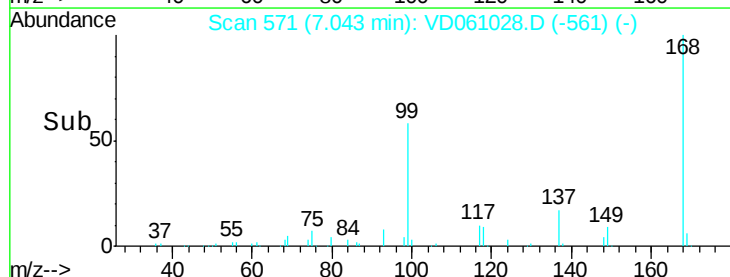
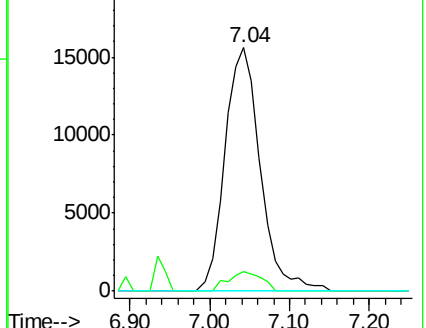
77 0.0 24.7 37.1#

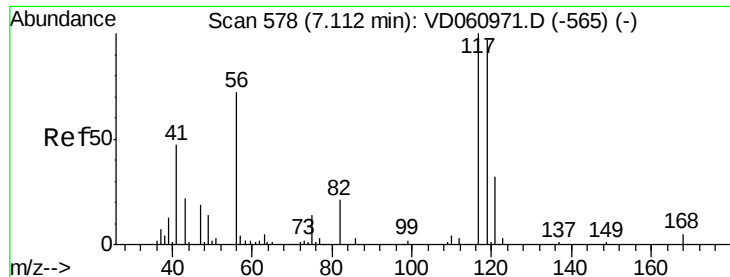


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

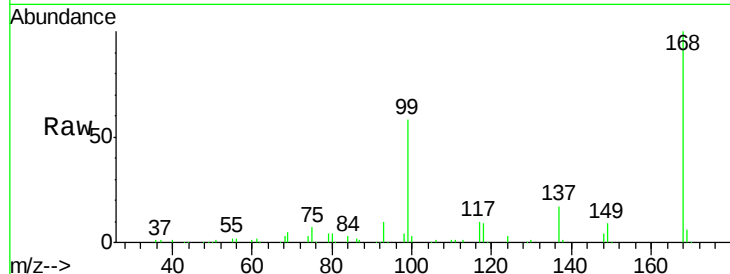




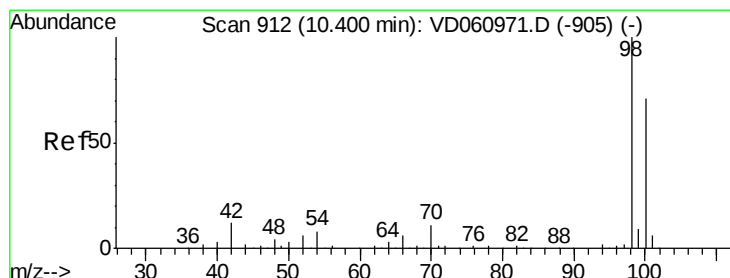
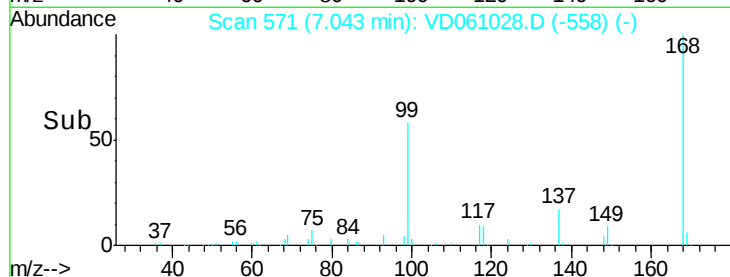
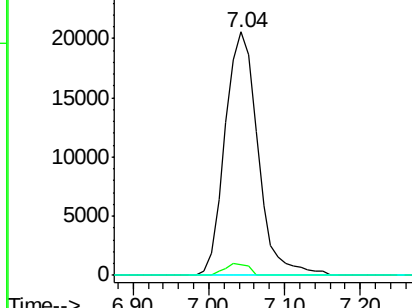
#38
Carbon Tetrachloride
Concen: 5.794 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD061028.D
Acq: 12 Mar 2019 17:04

Instrument :
MSVOA_D
ClientSampleId :
TP-27

Tot Ion:117 Resp: 61926
Ion Ratio Lower Upper
117 100
119 4.4 77.8 116.8#
121 0.0 25.3 37.9#

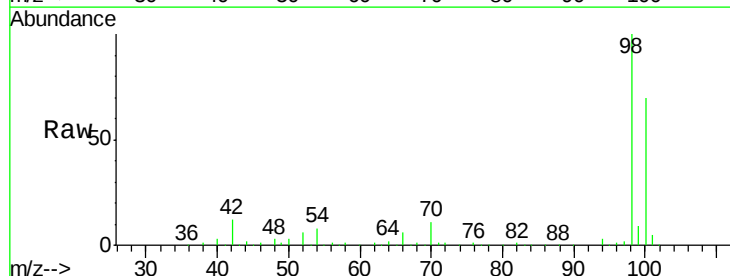


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

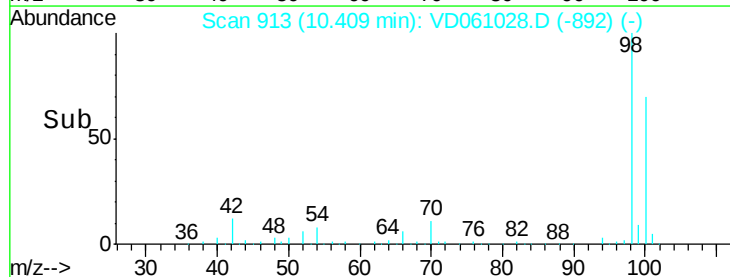
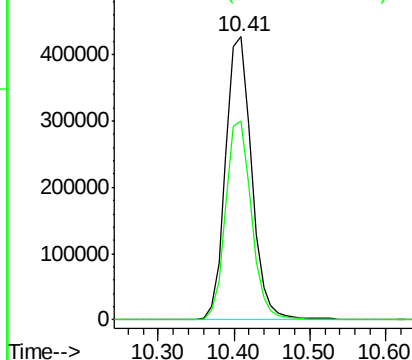


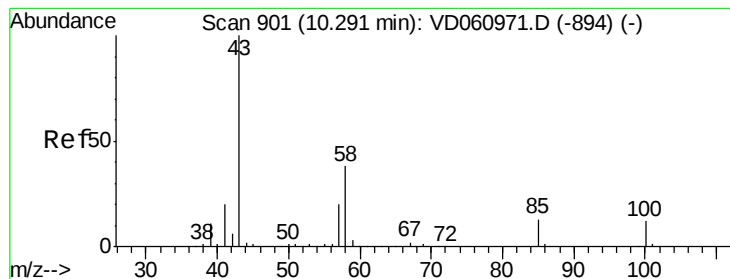
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD061028.D
Acq: 12 Mar 2019 17:04

Tgt Ion: 98 Resp: 1017090
Ion Ratio Lower Upper
98 100
100 70.2 57.4 86.2



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





#51

4-Methyl-2-Pentanone

Concen: 1.033 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.12 min

Lab File: VD061028.D

Acq: 12 Mar 2019 17:04

Instrument :

MSVOA_D

ClientSampleID :

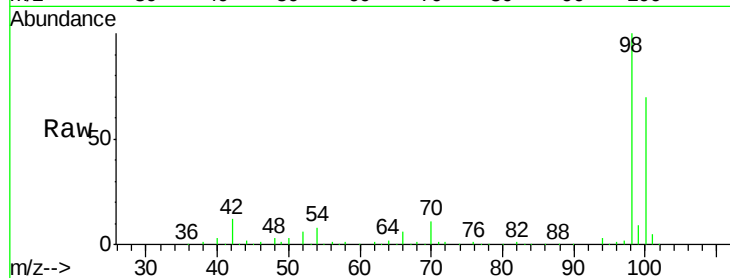
TP-27

Tot Ion: 43 Resp: 3990

Ion Ratio Lower Upper

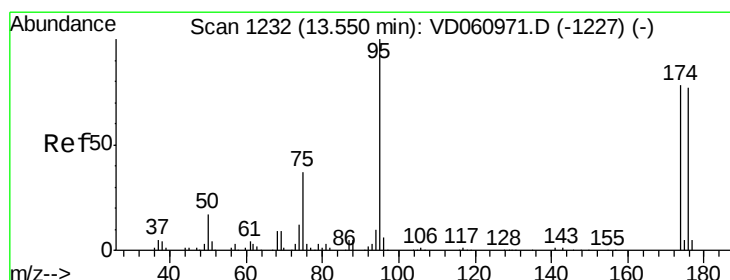
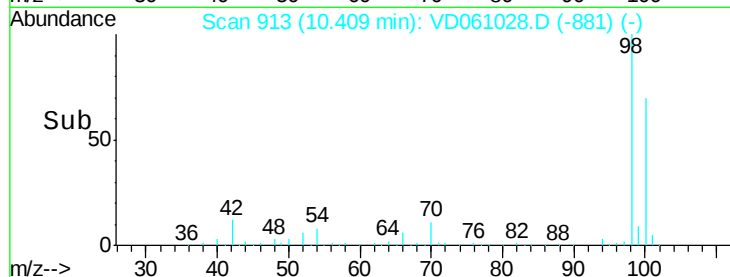
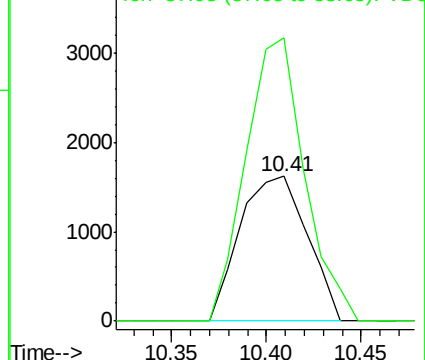
43 100

58 195.3 30.2 45.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061028.D

Acq: 12 Mar 2019 17:04

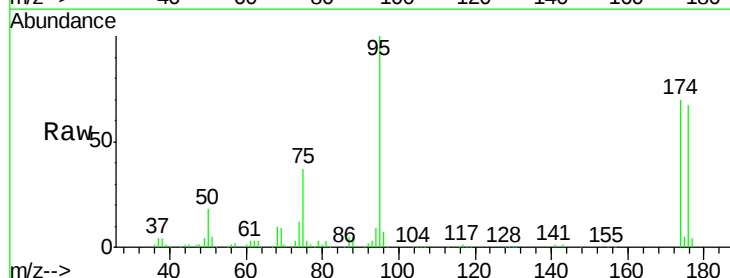
Tgt Ion: 95 Resp: 398079

Ion Ratio Lower Upper

95 100

174 70.4 0.0 155.6

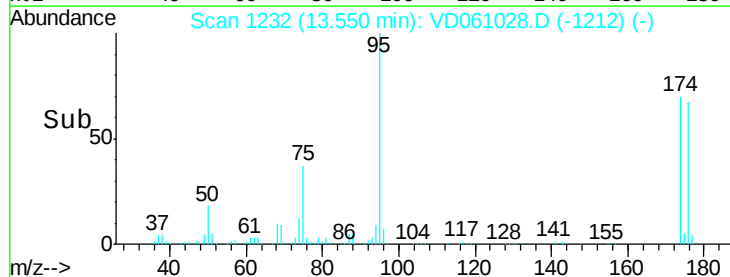
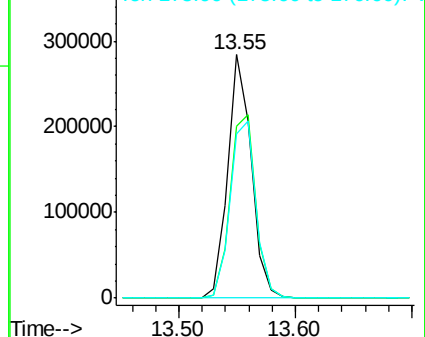
176 67.2 0.0 153.8

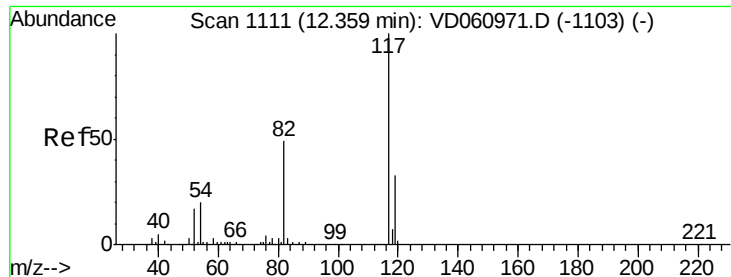


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

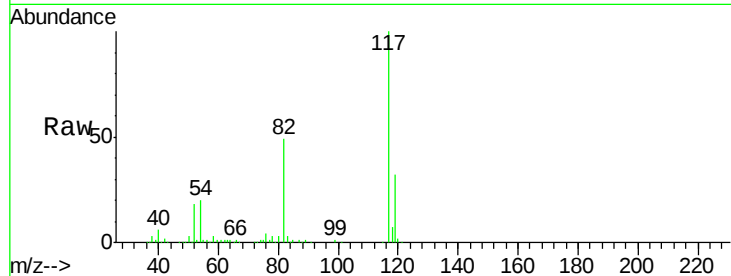




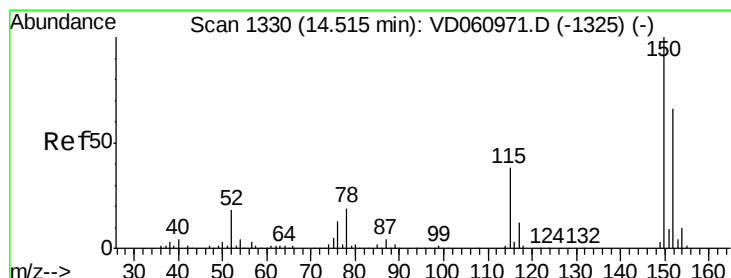
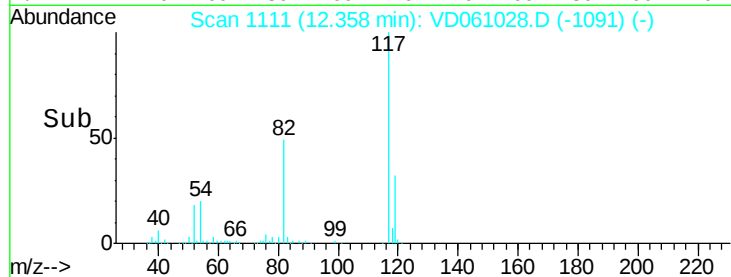
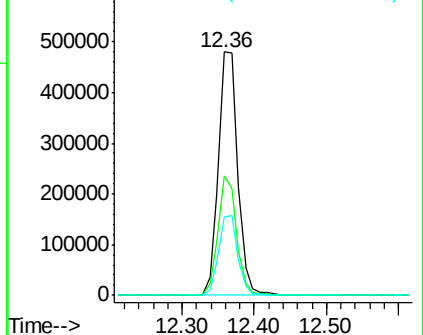
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061028.D
Acq: 12 Mar 2019 17:04

Instrument :
MSVOA_D
ClientSampleId :
TP-27

Tot Ion:117 Resp: 884568
Ion Ratio Lower Upper
117 100
82 49.0 38.9 58.3
119 32.4 26.6 39.8

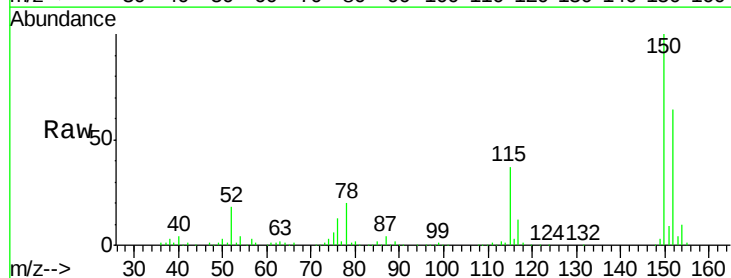


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

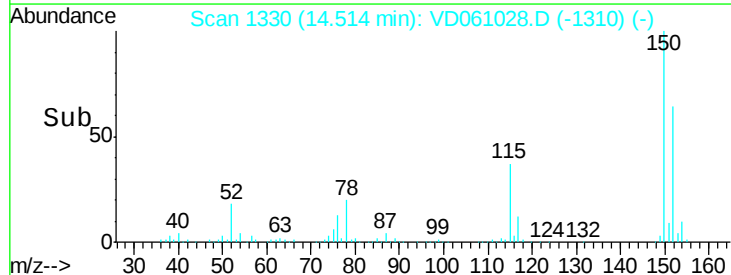
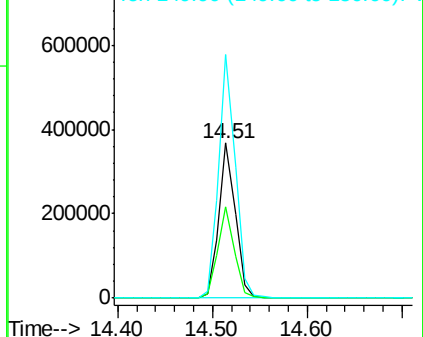


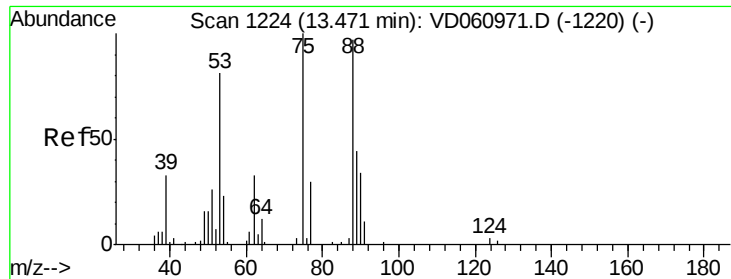
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061028.D
Acq: 12 Mar 2019 17:04

Tgt Ion:152 Resp: 446127
Ion Ratio Lower Upper
152 100
115 58.6 28.6 85.9
150 156.9 0.0 310.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 75.949 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061028.D

Acq: 12 Mar 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

TP-27

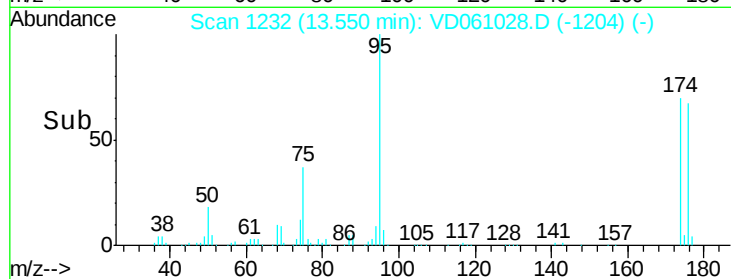
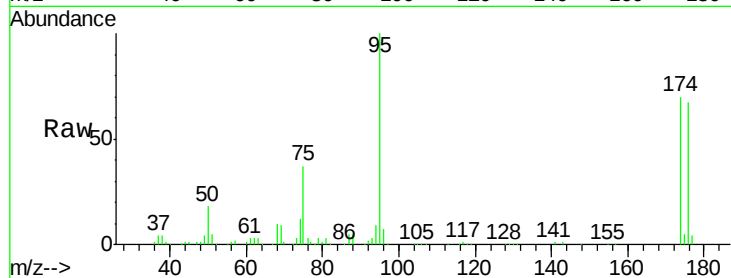
Tot Ion: 75 Resp: 143716

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



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

