

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062972.D
 Acq On : 28 Jun 2019 18:04
 Operator : VA/AP
 Sample : K3554-09
 Misc : 6.28g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-16

Quant Time: Jun 29 00:16:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	564192	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	863102	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	746286	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	394206	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	429095	69.97	ug/l	-0.03
Spiked Amount			Recovery	=	139.94%	
35) Dibromofluoromethane	6.90	113	428793	58.92	ug/l	-0.03
Spiked Amount			Recovery	=	117.84%	
50) Toluene-d8	10.39	98	791326	49.96	ug/l	-0.02
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	13.54	95	373873	51.91	ug/l	-0.01
Spiked Amount			Recovery	=	103.82%	

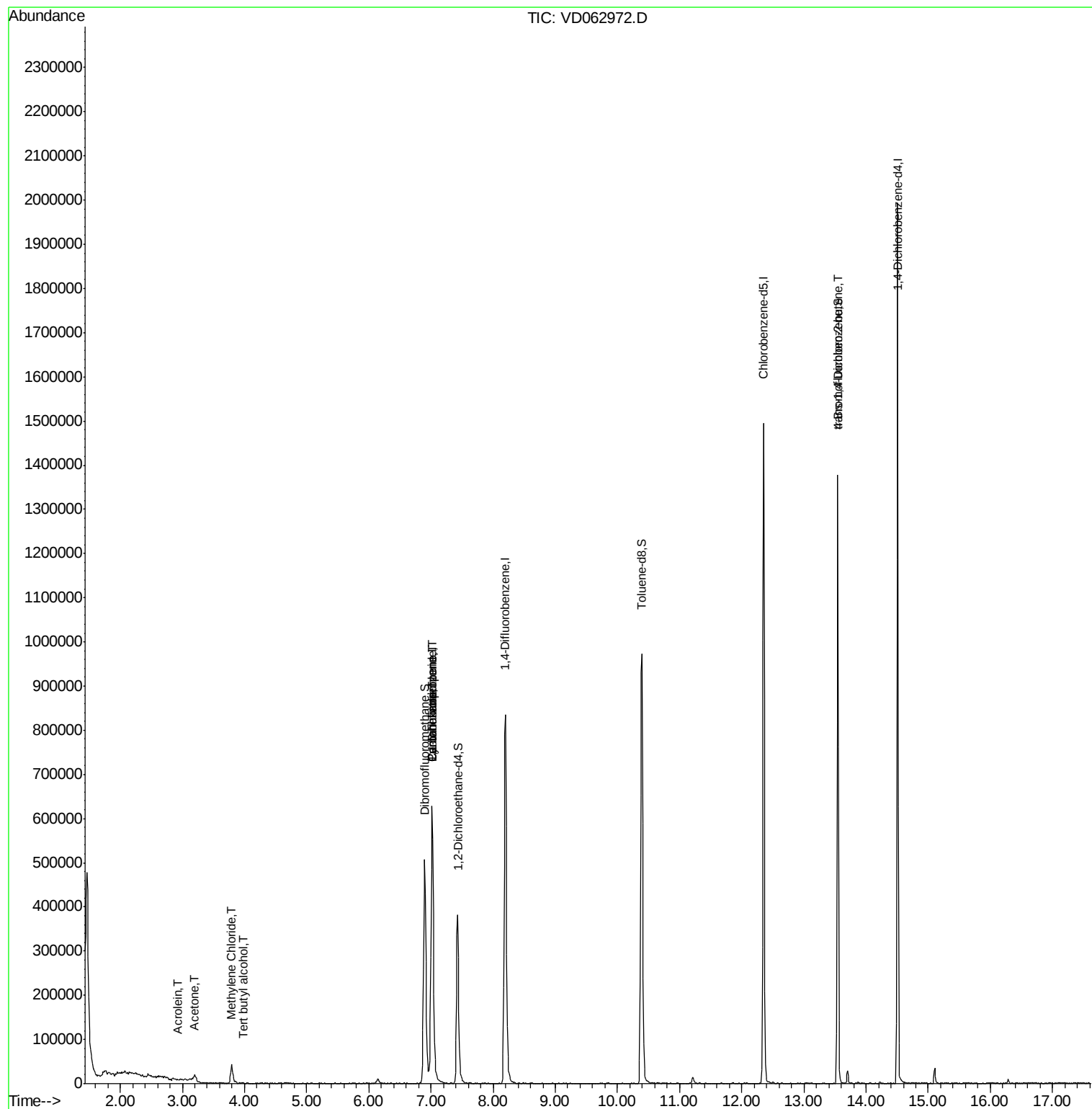
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.97	59	788	2.821	ug/l #	77
13) Acrolein	2.93	56	429	1.505	ug/l #	15
16) Acetone	3.21	43	34913	21.684	ug/l	100
20) Methylene Chloride	3.79	84	24986	5.342	ug/l	95
31) Cyclohexane	7.02	56	13544	2.352	ug/l #	11
36) 1,1-Dichloropropene	7.02	75	48098	5.887	ug/l #	54
37) Ethyl Acetate	6.12	43	227	Below Cal	#	69
38) Carbon Tetrachloride	7.02	117	60849	4.952	ug/l #	18
81) trans-1,4-Dichloro-2-buten	13.54	75	180069	150.976	ug/l #	2

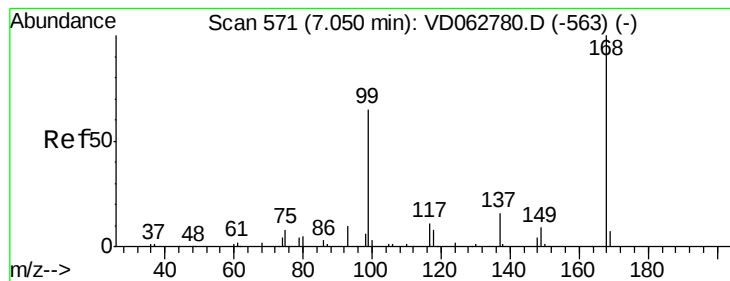
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062972.D

Acq: 28 Jun 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

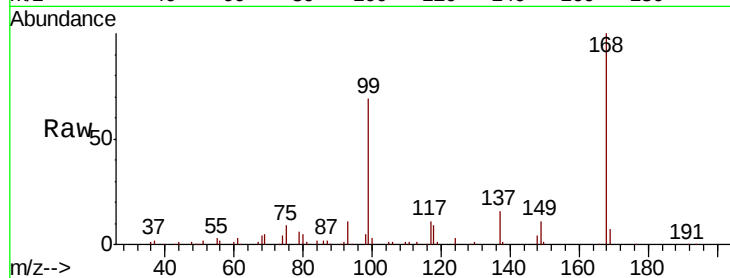
SAMPLE-16

Tot Ion:168 Resp: 564192

Ion Ratio Lower Upper

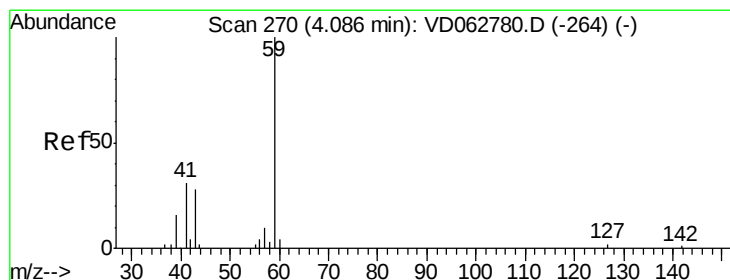
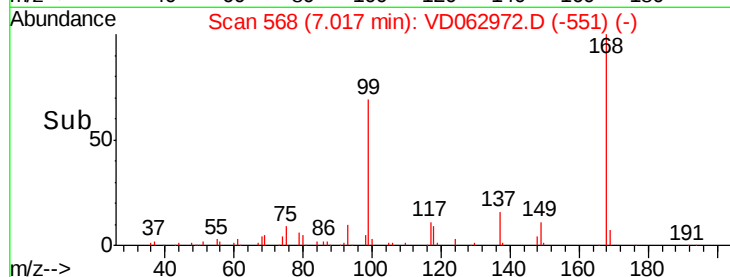
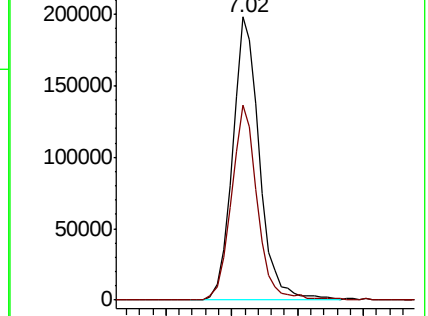
168 100

99 68.8 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.821 ug/l

RT: 3.97 min Scan# 259

Delta R.T. -0.11 min

Lab File: VD062972.D

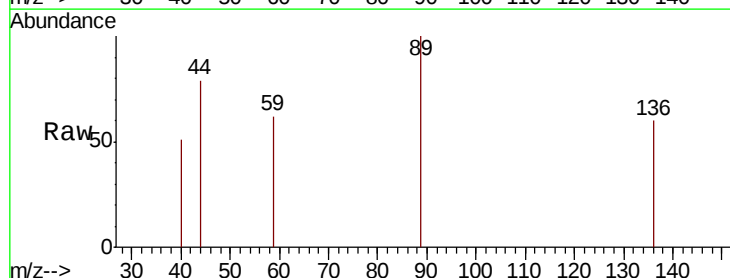
Acq: 28 Jun 2019 18:04

Tgt Ion: 59 Resp: 788

Ion Ratio Lower Upper

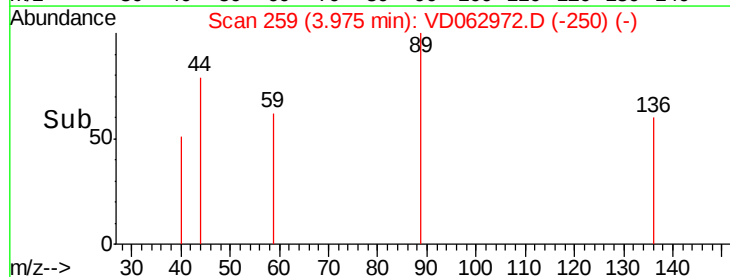
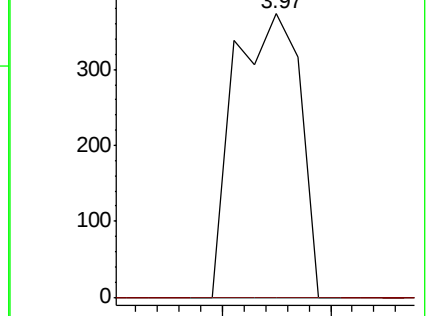
59 100

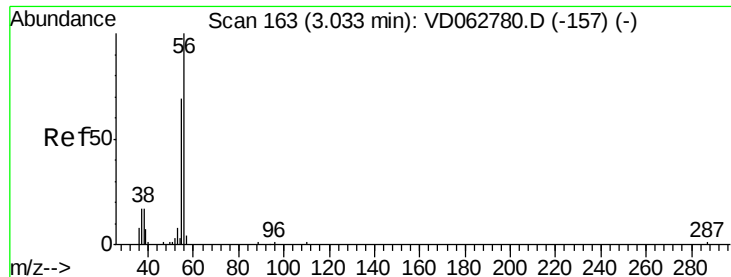
57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.505 ug/l

RT: 2.93 min Scan# 153

Delta R.T. -0.10 min

Lab File: VD062972.D

Acq: 28 Jun 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

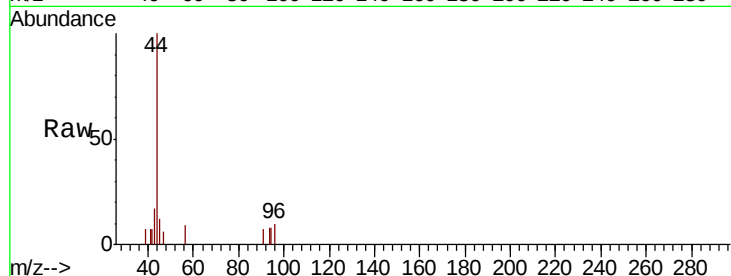
SAMPLE-16

Tot Ion: 56 Resp: 429

Ion Ratio Lower Upper

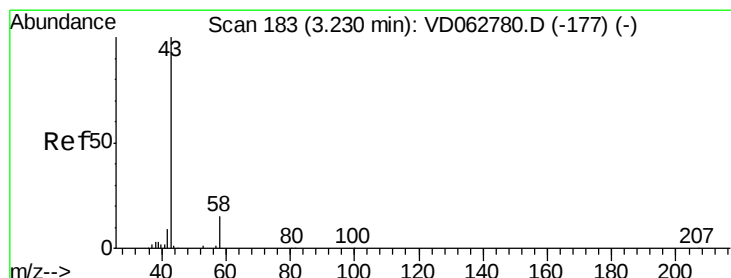
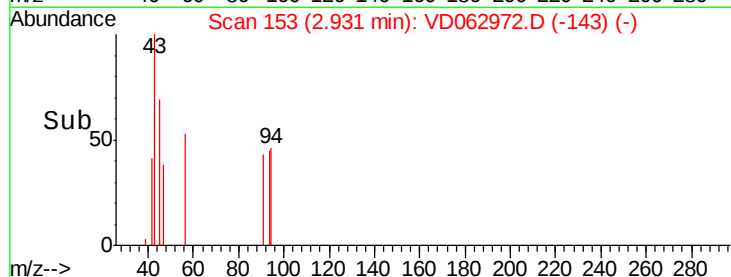
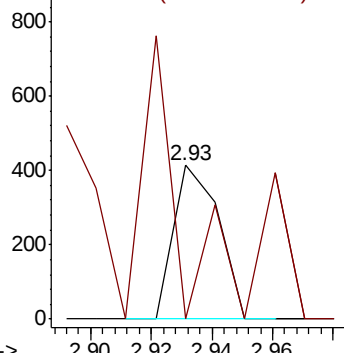
56 100

55 0.0 55.4 83.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 21.684 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062972.D

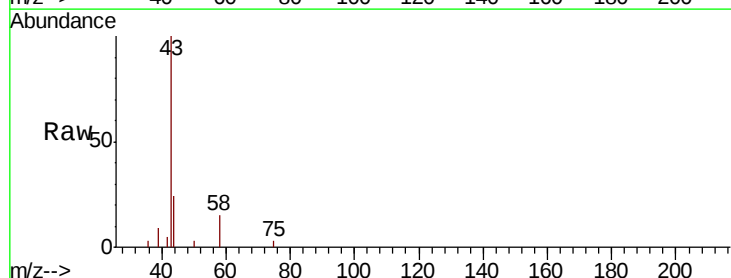
Acq: 28 Jun 2019 18:04

Tgt Ion: 43 Resp: 34913

Ion Ratio Lower Upper

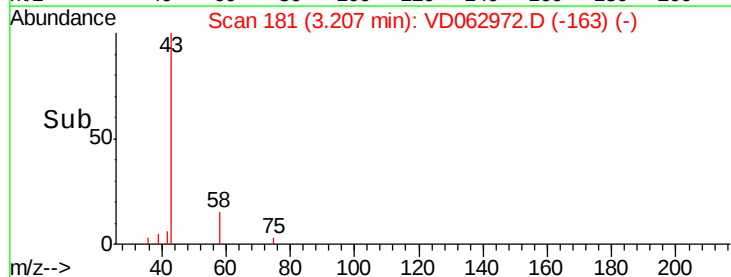
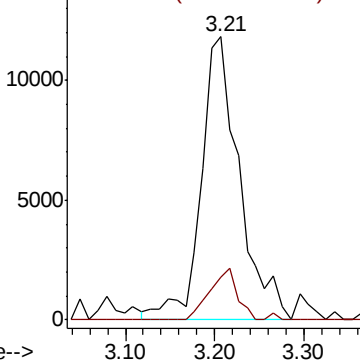
43 100

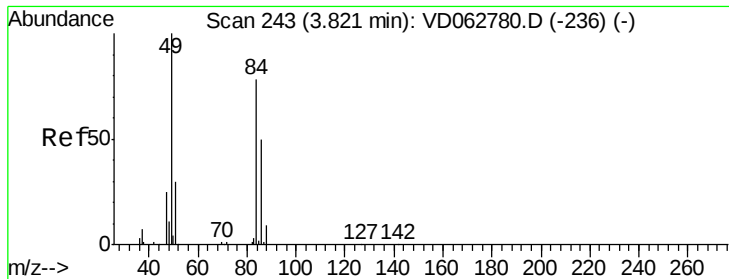
58 15.0 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

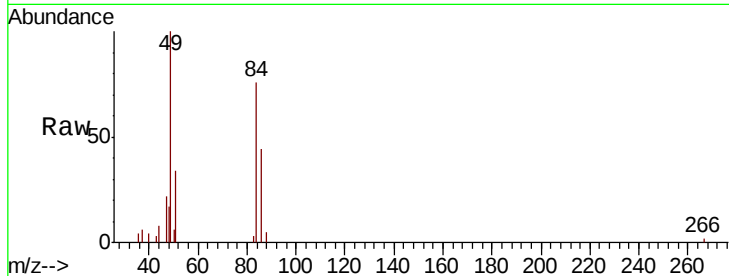




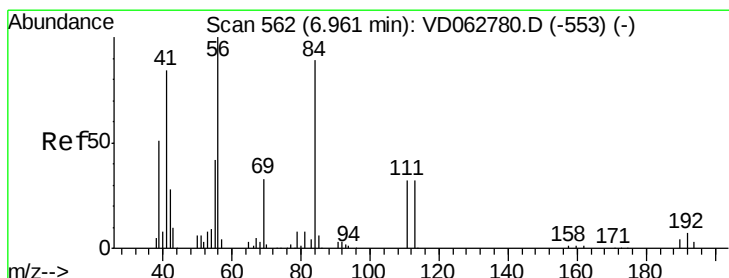
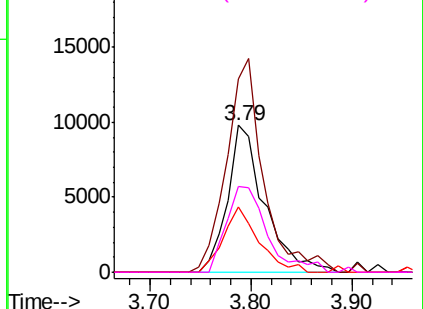
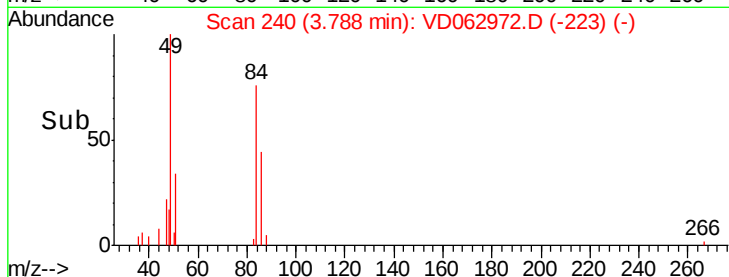
#20
Methvlene Chloride
Concen: 5.342 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.03 min
Lab File: VD062972.D
Acq: 28 Jun 2019 18:04

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-16

Tot Ion: 84 Resp: 24986
Ion Ratio Lower Upper
84 100
49 131.2 102.9 154.3
51 44.5 31.2 46.8
86 58.1 51.4 77.2

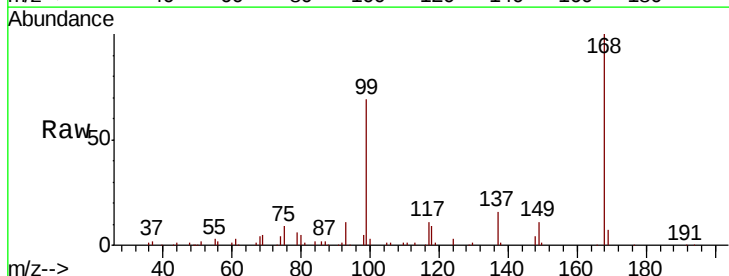


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

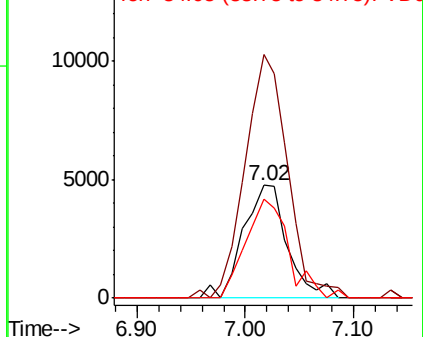
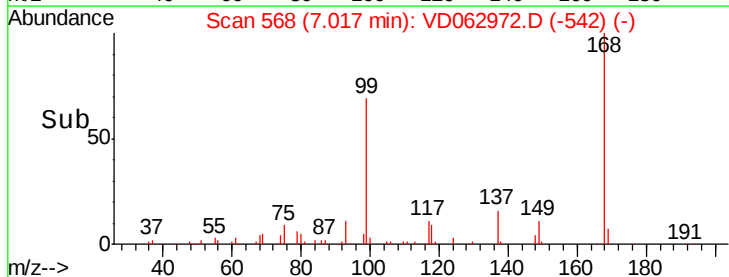


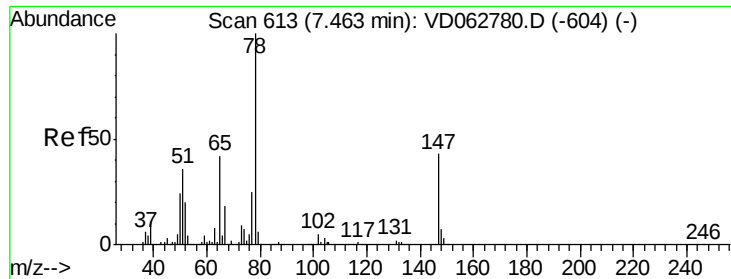
#31
Cyclohexane
Concen: 2.352 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.06 min
Lab File: VD062972.D
Acq: 28 Jun 2019 18:04

Tgt Ion: 56 Resp: 13544
Ion Ratio Lower Upper
56 100
69 215.9 26.6 39.8#
84 87.4 75.5 113.3



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: 69.969 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062972.D

Acq: 28 Jun 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

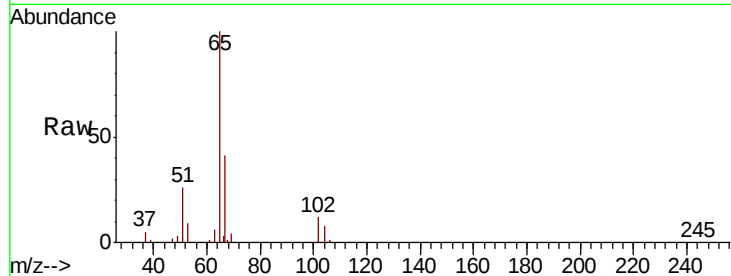
SAMPLE-16

Tot Ion: 65 Resp: 429095

Ion Ratio Lower Upper

65 100

67 41.2 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.43

150000

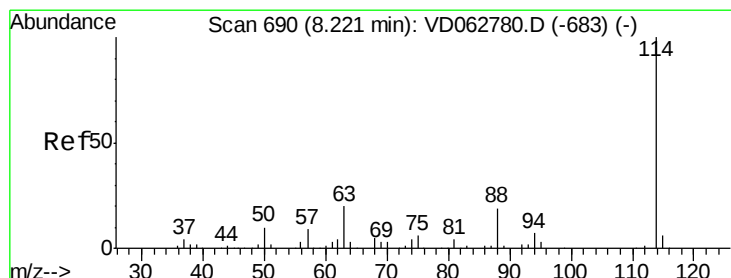
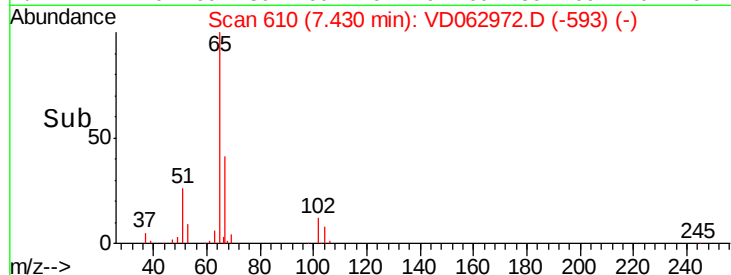
100000

50000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.02 min

Lab File: VD062972.D

Acq: 28 Jun 2019 18:04

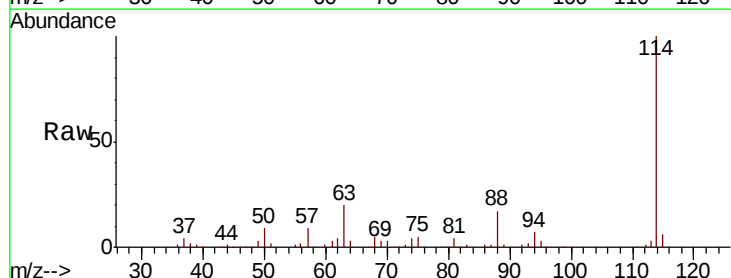
Tgt Ion: 114 Resp: 863102

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 17.0 0.0 38.8



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

8.20

400000

300000

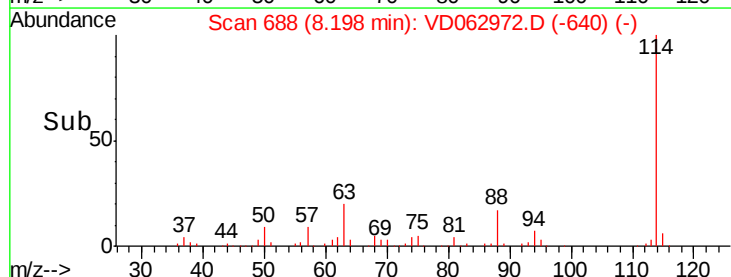
200000

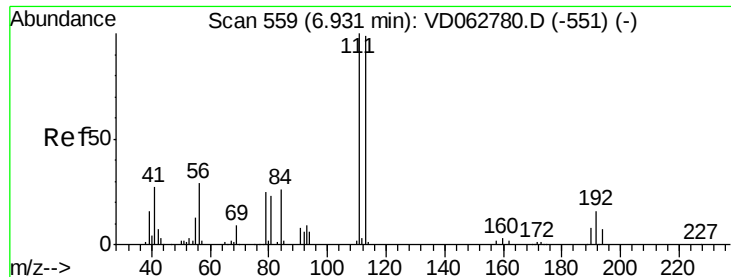
100000

0

Time-->

8.00 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 58.919 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD062972.D

Acq: 28 Jun 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-16

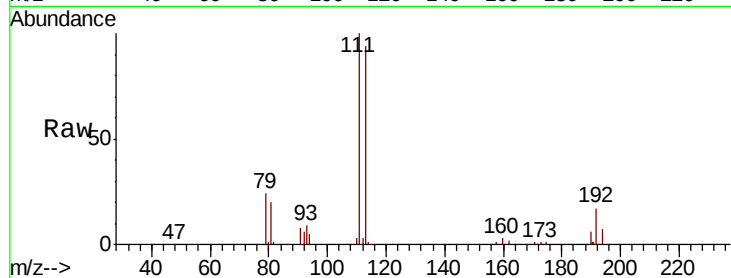
Tot Ion:113 Resp: 428793

Ion Ratio Lower Upper

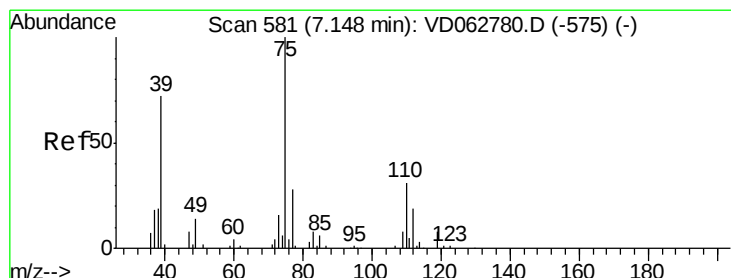
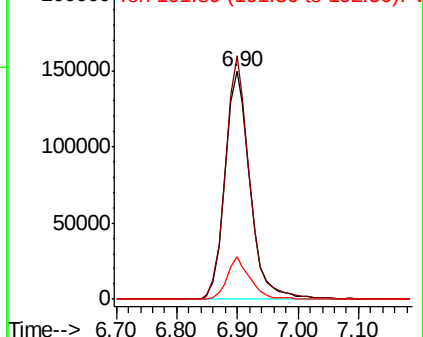
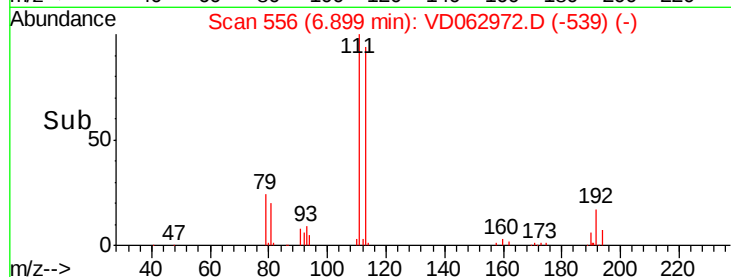
113 100

111 106.8 81.2 121.8

192 18.6 12.9 19.3



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: 5.887 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.13 min

Lab File: VD062972.D

Acq: 28 Jun 2019 18:04

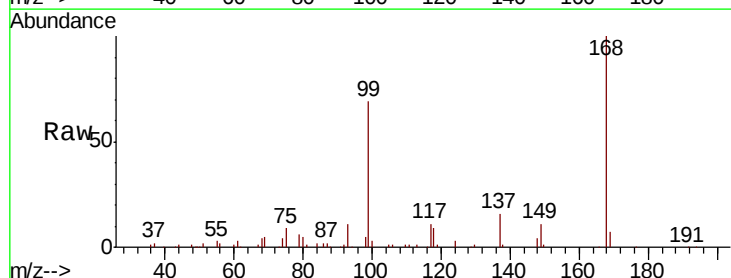
Tgt Ion: 75 Resp: 48098

Ion Ratio Lower Upper

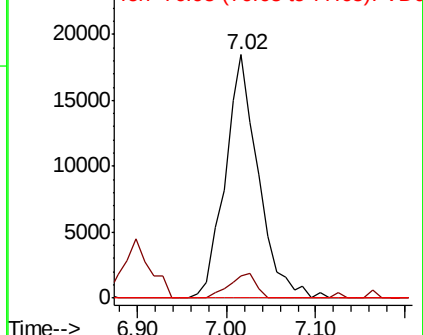
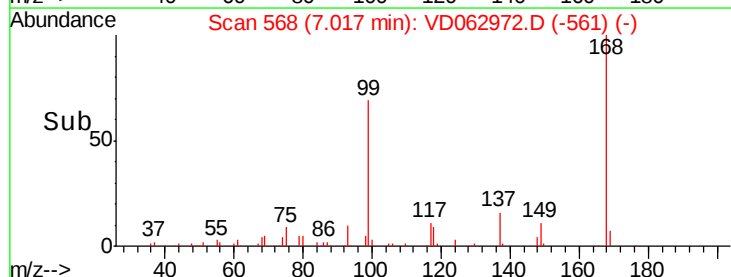
75 100

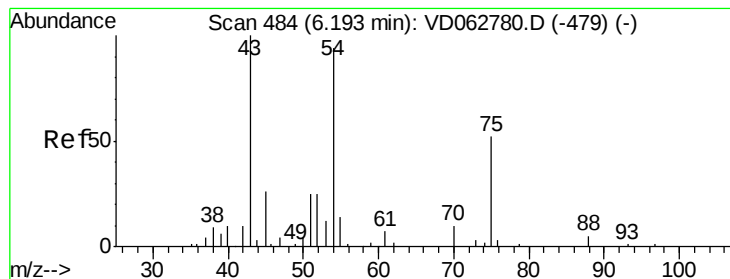
110 9.0 15.0 45.1#

77 0.0 22.2 33.2#



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





#37

Ethyl Acetate

Concen: Below Cal

RT: 6.12 min Scan# 477

Delta R.T. -0.07 min

Lab File: VD062972.D

Acq: 28 Jun 2019 18:04

Instrument :

MSVOA_D

ClientSampleID :

SAMPLE-16

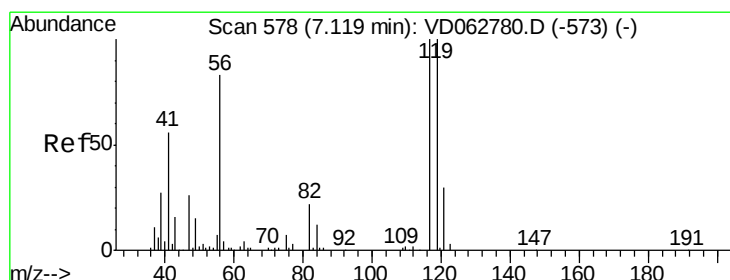
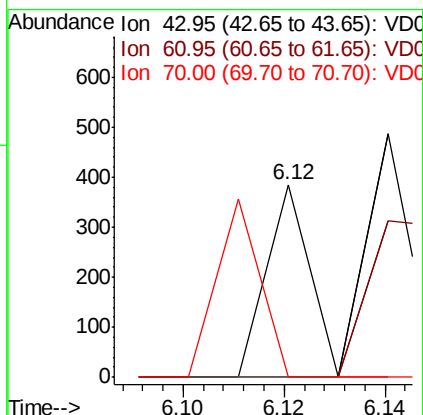
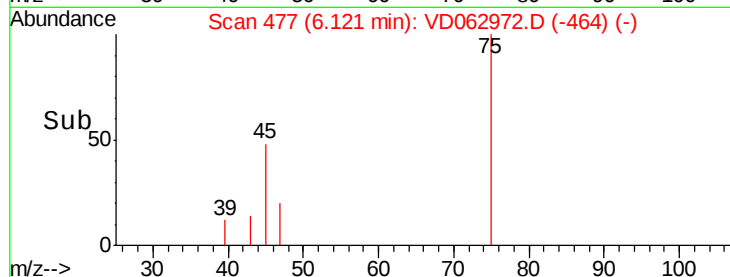
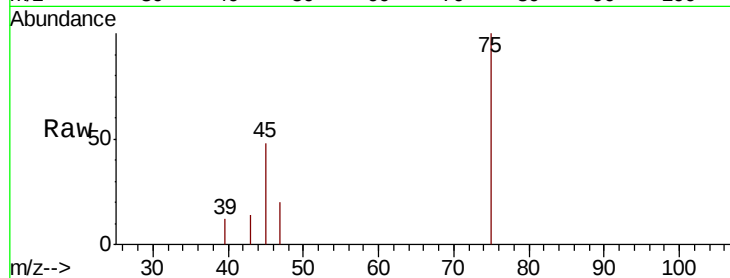
Tot Ion: 43 Resp: 227

Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

70 0.0 6.4 9.6#



#38

Carbon Tetrachloride

Concen: 4.952 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD062972.D

Acq: 28 Jun 2019 18:04

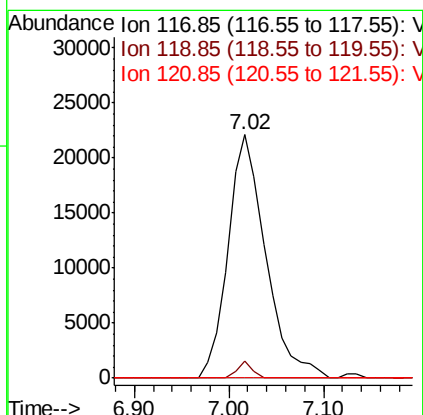
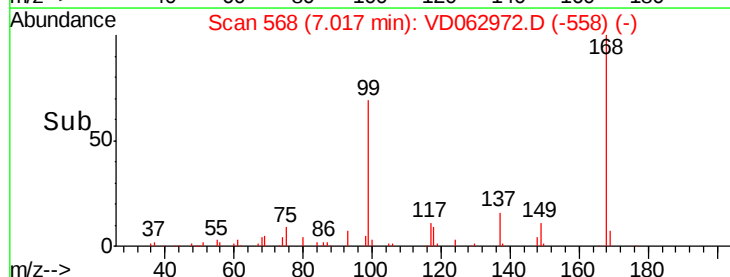
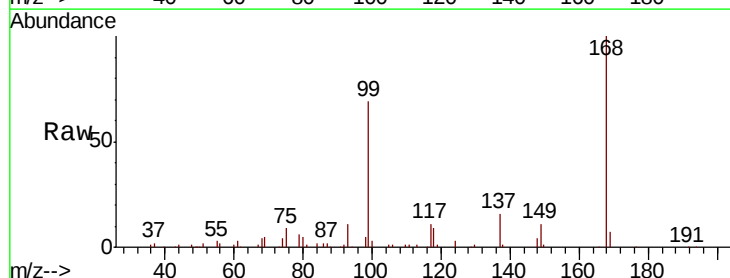
Tgt Ion: 117 Resp: 60849

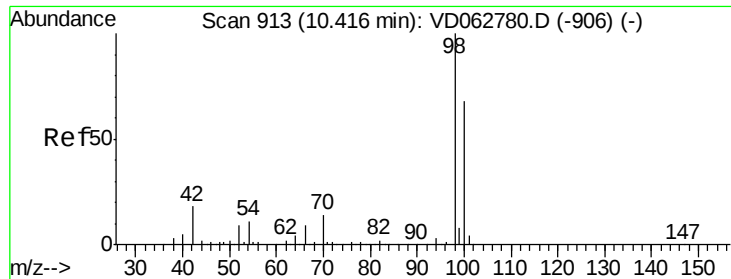
Ion Ratio Lower Upper

117 100

119 7.2 75.4 113.2#

121 0.0 22.3 33.5#





#50

Toluene-d8

Concen: 49.959 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.02 min

Lab File: VD062972.D

Acq: 28 Jun 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

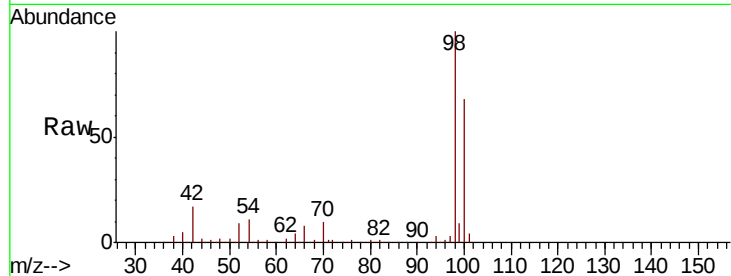
SAMPLE-16

Tot Ion: 98 Resp: 791326

Ion Ratio Lower Upper

98 100

100 67.5 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VD0

Ion 100.05 (99.75 to 100.75): VD

10.39

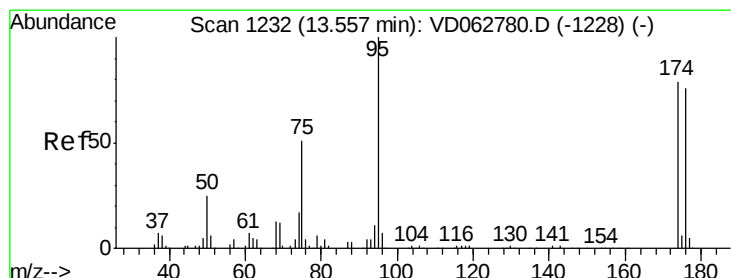
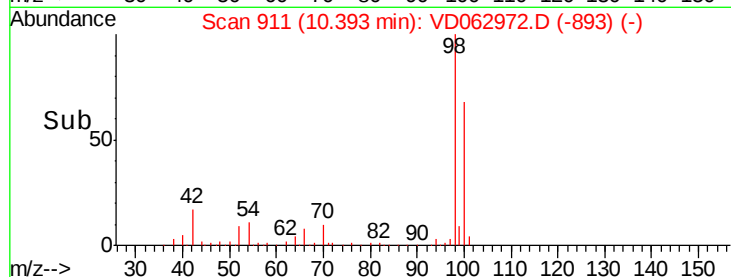
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.910 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062972.D

Acq: 28 Jun 2019 18:04

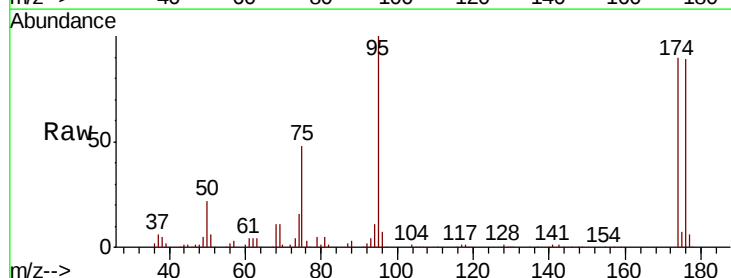
Tgt Ion: 95 Resp: 373873

Ion Ratio Lower Upper

95 100

174 90.5 0.0 158.0

176 88.5 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): VD0

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

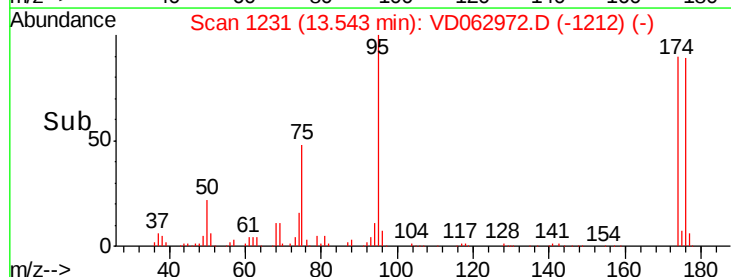
300000

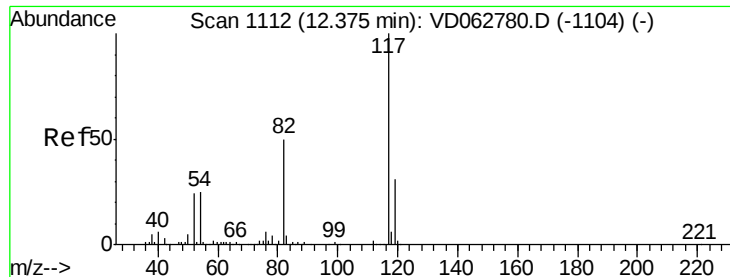
200000

100000

0

Time-->

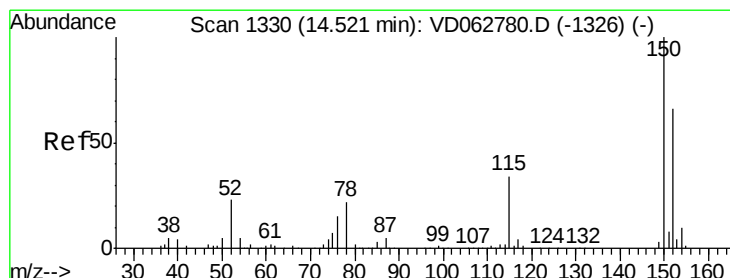
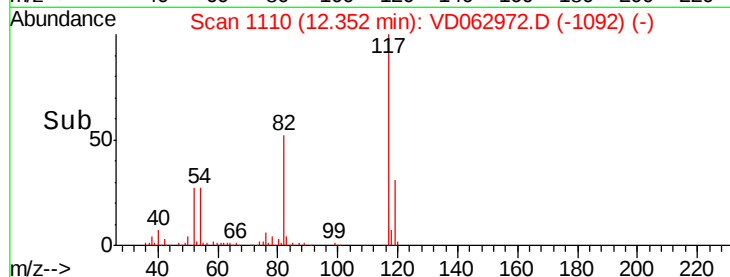
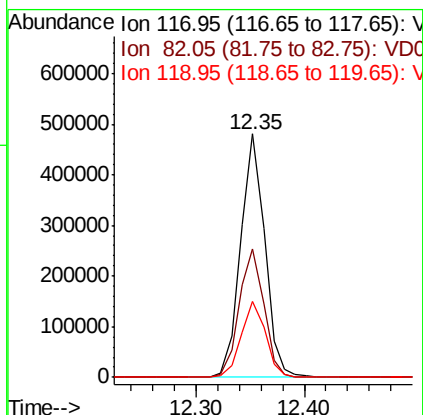
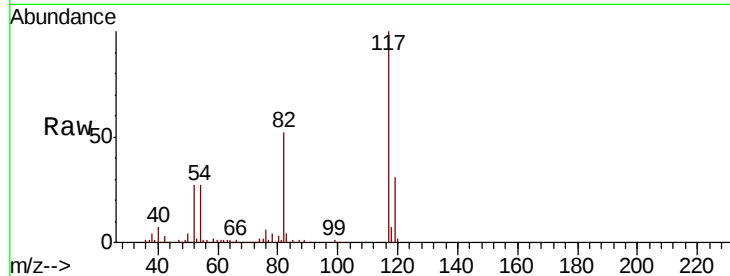




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062972.D
Acq: 28 Jun 2019 18:04

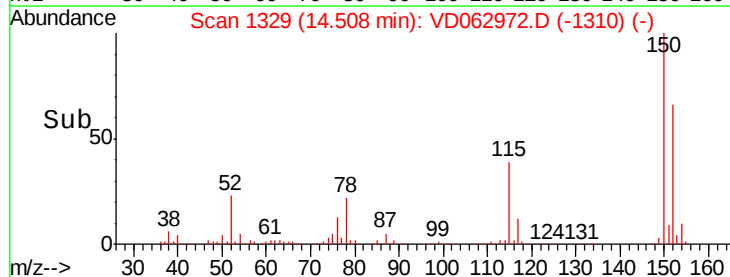
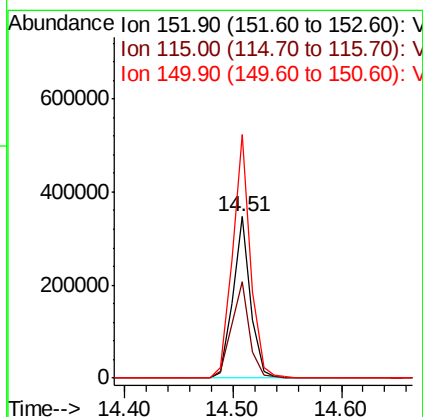
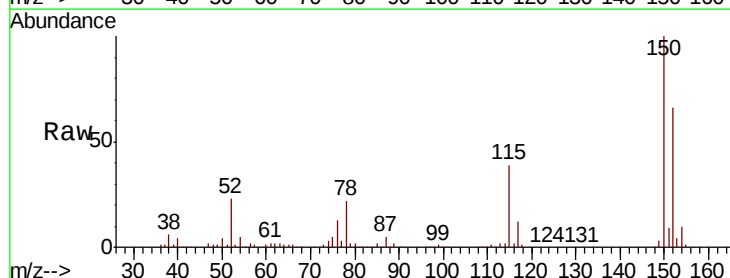
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-16

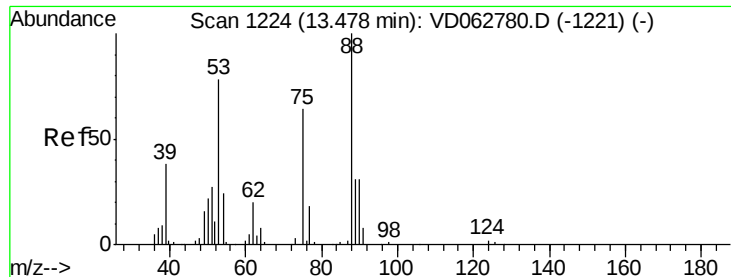
Tot Ion:117 Resp: 746286
Ion Ratio Lower Upper
117 100
82 52.5 40.4 60.6
119 31.3 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062972.D
Acq: 28 Jun 2019 18:04

Tgt Ion:152 Resp: 394206
Ion Ratio Lower Upper
152 100
115 59.4 29.2 87.6
150 150.6 0.0 305.8





#81

trans-1,4-Dichloro-2-butene

Concen: 150.976 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD062972.D

Acq: 28 Jun 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-16

Tot Ion: 75 Resp: 180069

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

