

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062974.D
 Acq On : 28 Jun 2019 19:01
 Operator : VA/AP
 Sample : K3555-05
 Misc : 6.15g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-18

Quant Time: Jun 29 00:16:53 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	597203	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	911963	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	758895	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	411255	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	400190	61.65	ug/l	-0.03
Spiked Amount			Recovery	=	123.30%	
35) Dibromofluoromethane	6.90	113	405782	52.77	ug/l	-0.03
Spiked Amount			Recovery	=	105.54%	
50) Toluene-d8	10.38	98	851610	50.88	ug/l	-0.03
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	13.54	95	350164	46.01	ug/l	-0.01
Spiked Amount			Recovery	=	92.02%	

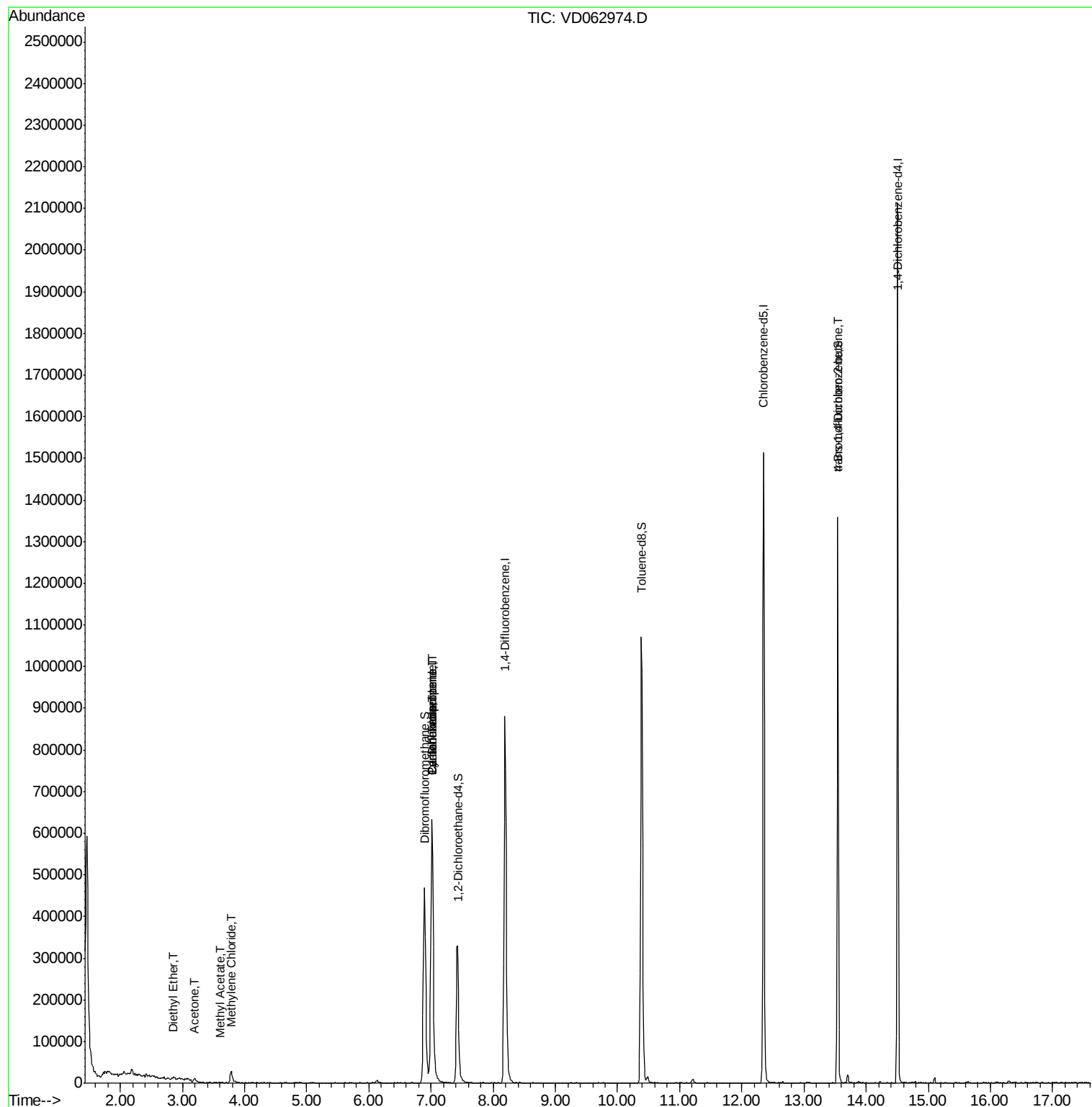
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.85	74	2188	1.477	ug/l	74
16) Acetone	3.20	43	18408	7.189	ug/l	96
18) Methyl Acetate	3.61	43	2070	1.056	ug/l #	58
20) Methylene Chloride	3.79	84	18439	3.725	ug/l #	94
31) Cyclohexane	7.02	56	15264	2.504	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	44990	5.211	ug/l #	54
37) Ethyl Acetate	6.06	43	546	Below Cal	#	69
38) Carbon Tetrachloride	7.02	117	58784	4.528	ug/l #	19
81) trans-1,4-Dichloro-2-buten	13.54	75	172978	139.018	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: VD062974.D

Acq: 28 Jun 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

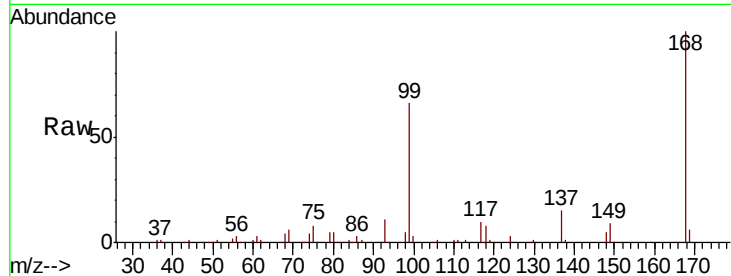
SAMPLE-18

Tot Ion:168 Resp: 597203

Ion Ratio Lower Upper

168 100

99 66.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

250000

200000

150000

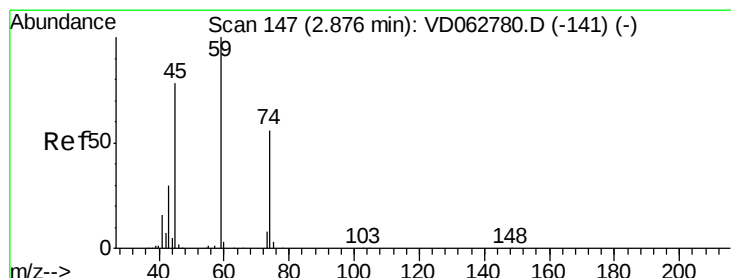
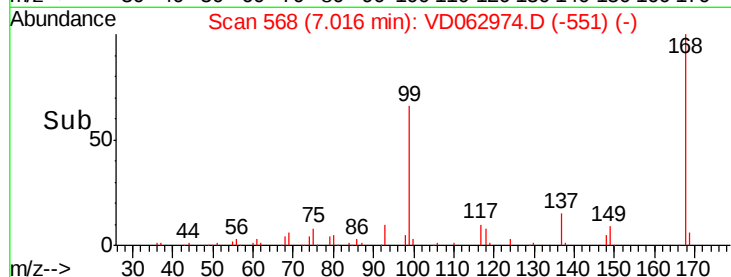
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#8

Diethyl Ether

Concen: 1.477 ug/l

RT: 2.85 min Scan# 145

Delta R.T. -0.02 min

Lab File: VD062974.D

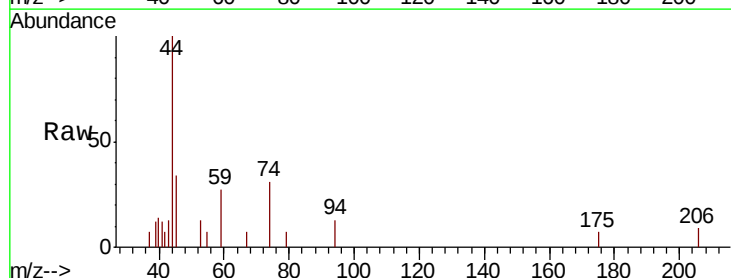
Acq: 28 Jun 2019 19:01

Tgt Ion: 74 Resp: 2188

Ion Ratio Lower Upper

74 100

45 109.0 70.2 210.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2/85

1500

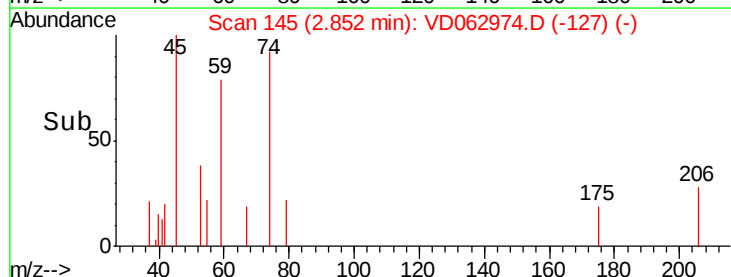
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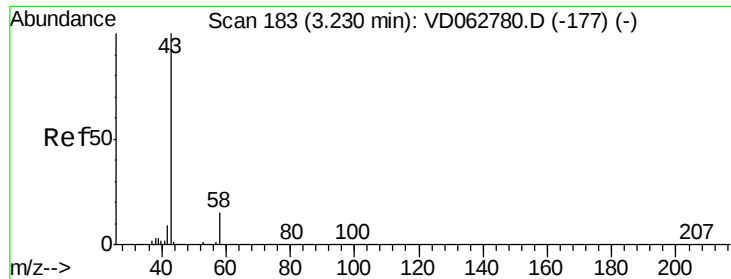
500

0

2.80 2.85 2.90

Time-->





#16

Acetone

Concen: 7.189 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062974.D

Acq: 28 Jun 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

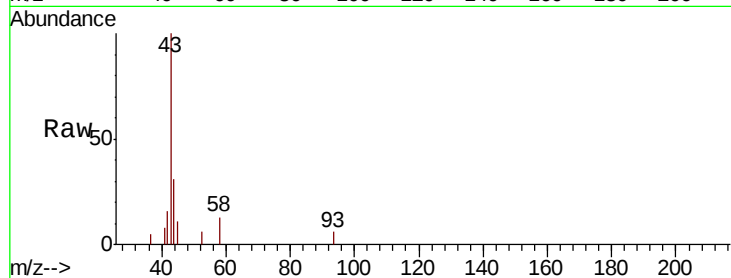
SAMPLE-18

Tot Ion: 43 Resp: 18408

Ion Ratio Lower Upper

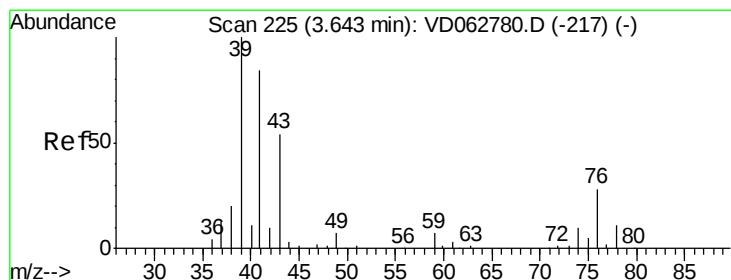
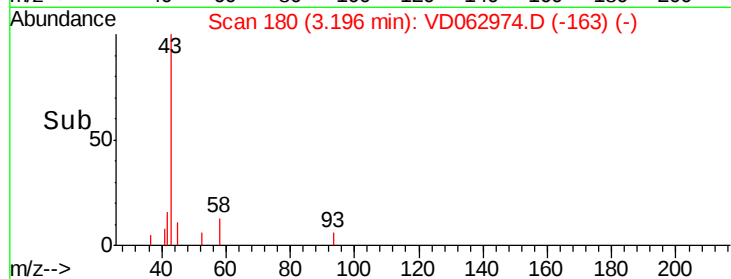
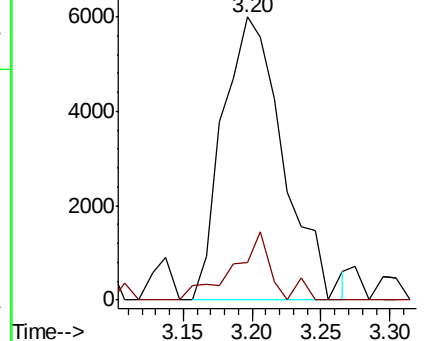
43 100

58 13.1 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.056 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.03 min

Lab File: VD062974.D

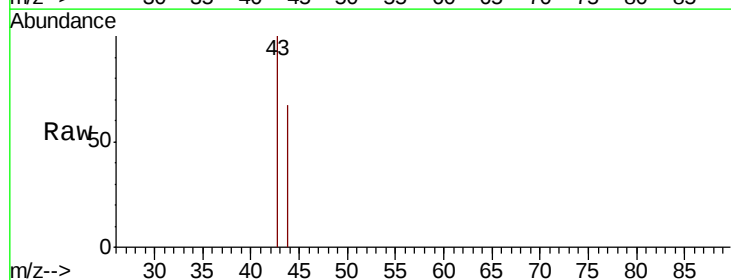
Acq: 28 Jun 2019 19:01

Tgt Ion: 43 Resp: 2070

Ion Ratio Lower Upper

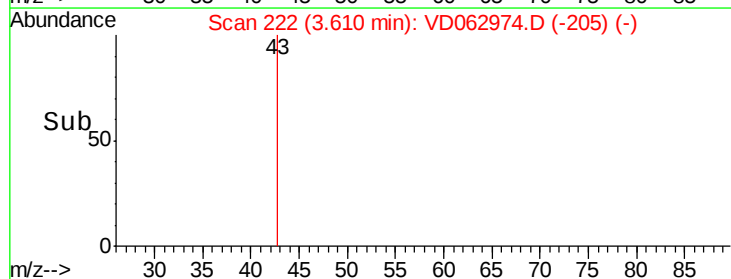
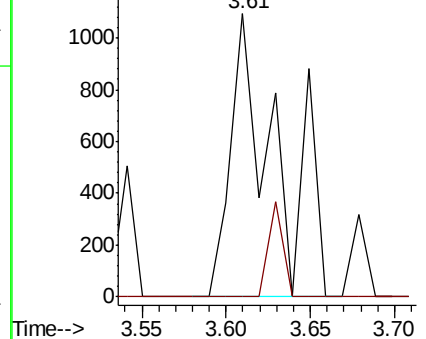
43 100

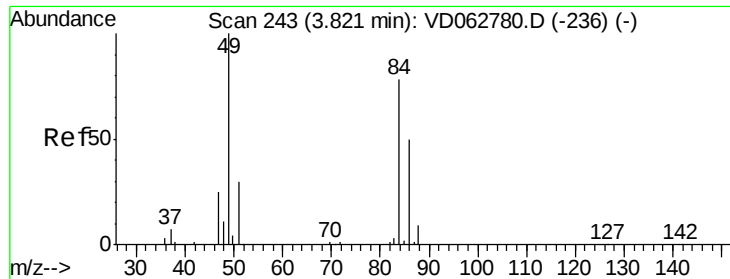
74 0.0 15.2 22.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

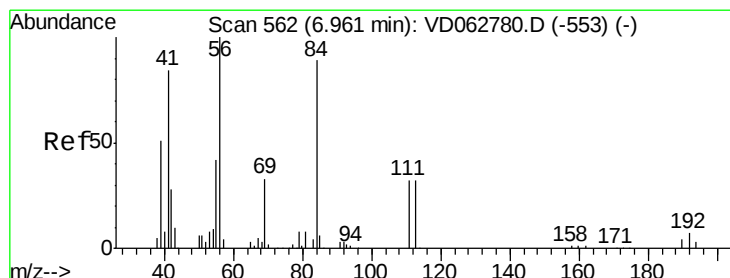
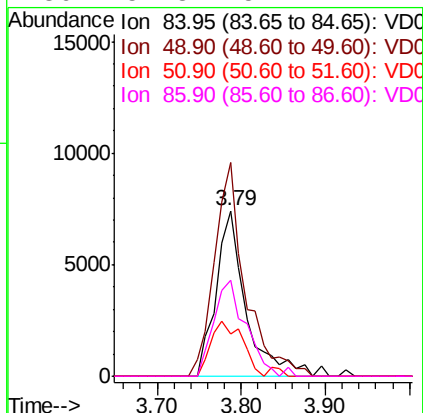
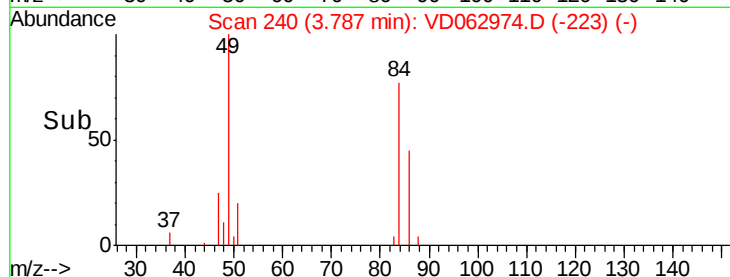
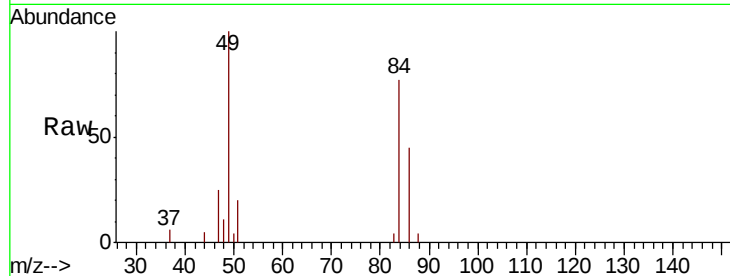




#20
Methvlene Chloride
Concen: 3.725 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.03 min
Lab File: VD062974.D
Acq: 28 Jun 2019 19:01

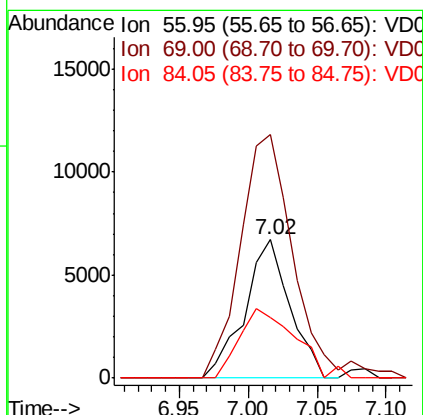
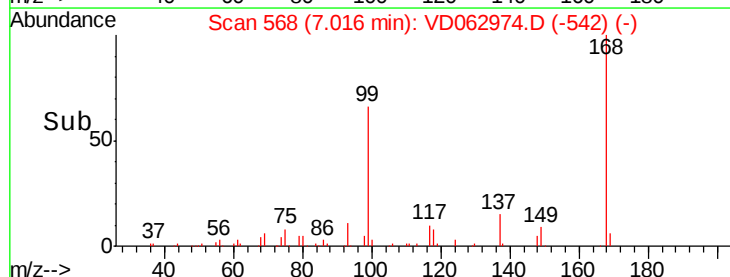
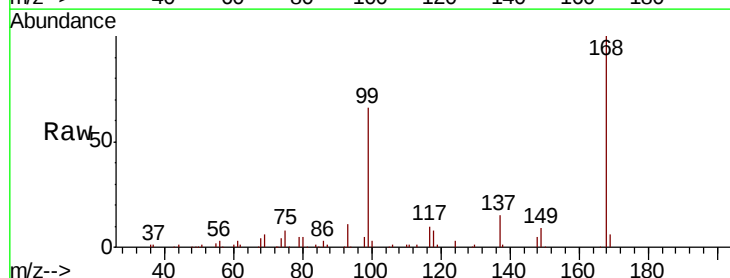
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-18

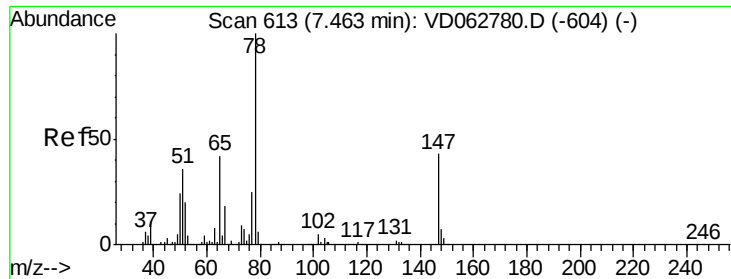
Tot Ion: 84 Resp: 18439
Ion Ratio Lower Upper
84 100
49 129.2 102.9 154.3
51 25.5 31.2 46.8#
86 57.8 51.4 77.2



#31
Cyclohexane
Concen: 2.504 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.05 min
Lab File: VD062974.D
Acq: 28 Jun 2019 19:01

Tgt Ion: 56 Resp: 15264
Ion Ratio Lower Upper
56 100
69 176.1 26.6 39.8#
84 43.4 75.5 113.3#





#33

1,2-Dichloroethane-d4

Concen: 61.648 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062974.D

Acq: 28 Jun 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

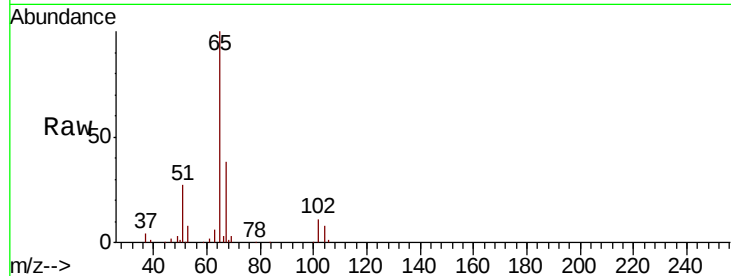
SAMPLE-18

Tot Ion: 65 Resp: 400190

Ion Ratio Lower Upper

65 100

67 38.0 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

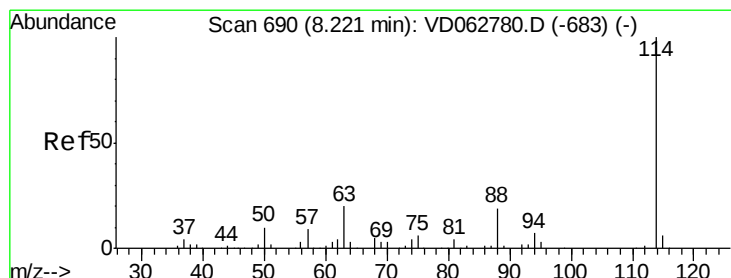
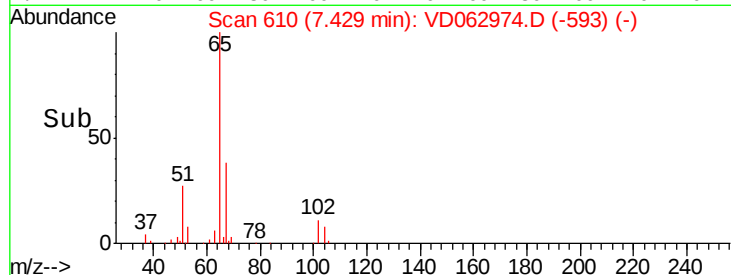
100000

50000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. -0.03 min

Lab File: VD062974.D

Acq: 28 Jun 2019 19:01

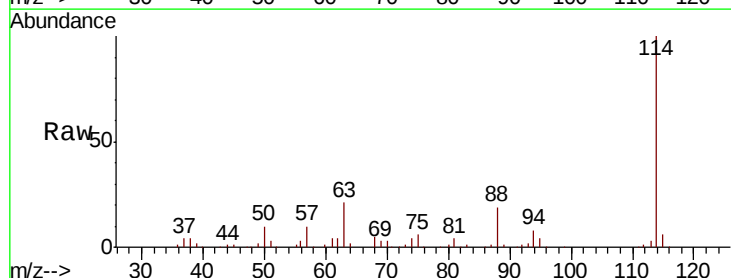
Tgt Ion: 114 Resp: 911963

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.0

88 19.2 0.0 38.8



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

8.19

400000

300000

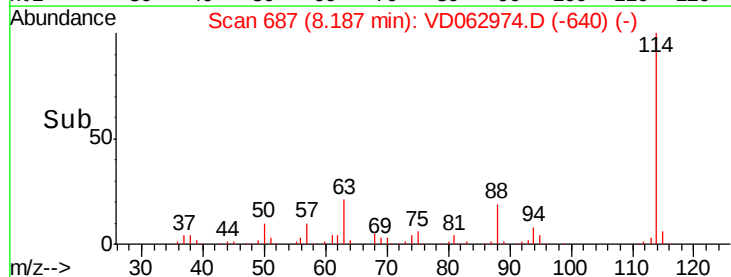
200000

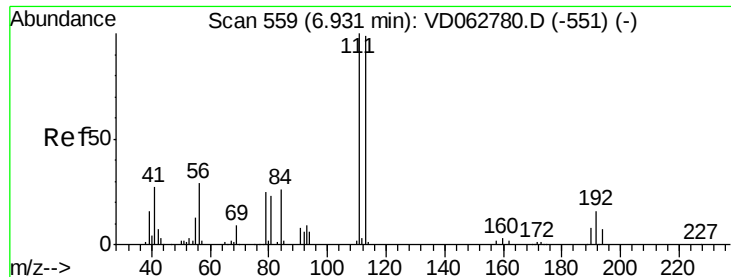
100000

0

Time-->

8.10 8.20 8.30 8.40

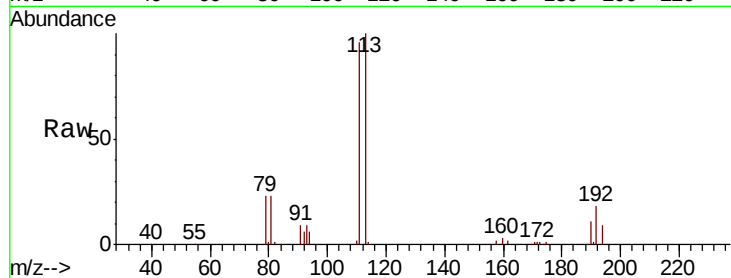




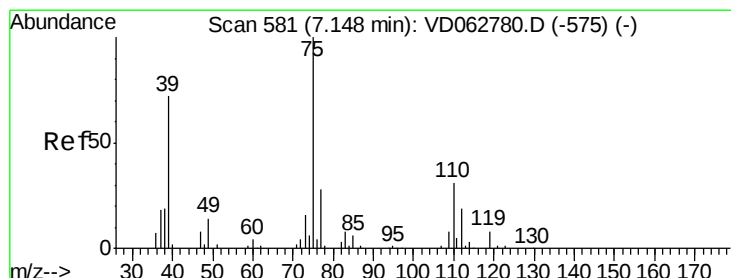
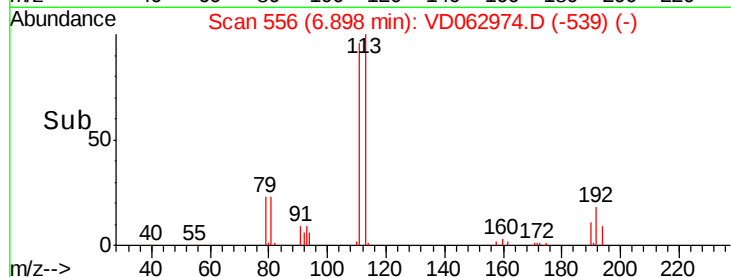
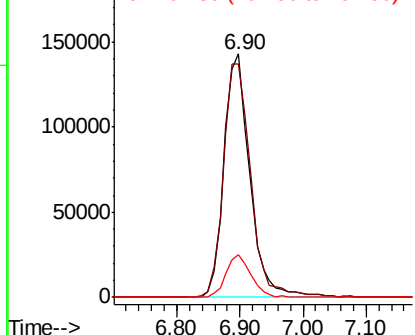
#35
 Dibromofluoromethane
 Concen: 52.770 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD062974.D
 Acq: 28 Jun 2019 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-18

Tot Ion	Ratio	Lower	Upper
113	100		
111	96.0	81.2	121.8
192	17.7	12.9	19.3

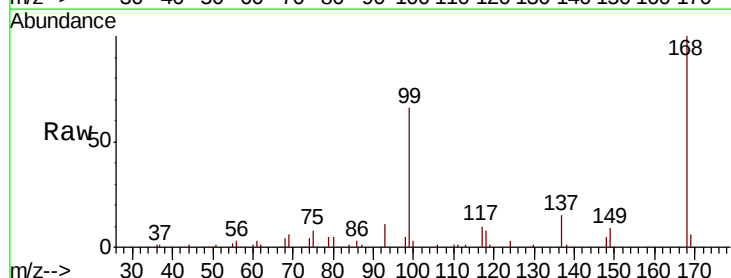


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

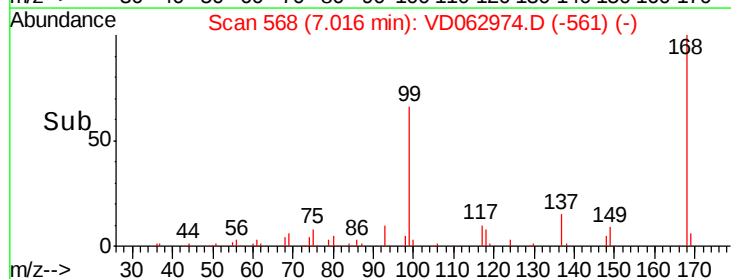
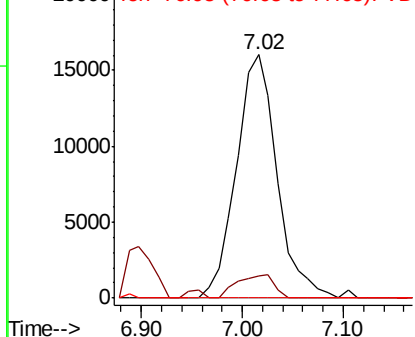


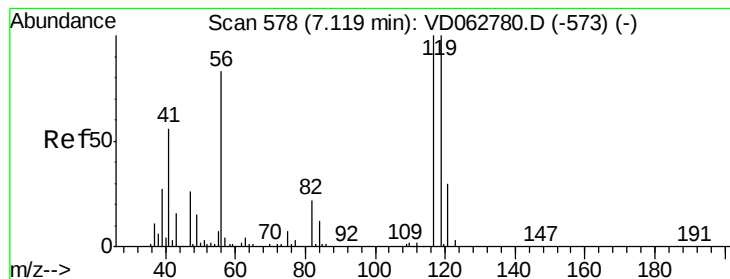
#36
 1,1-Dichloropropene
 Concen: 5.211 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.13 min
 Lab File: VD062974.D
 Acq: 28 Jun 2019 19:01

Tgt 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





#38

Carbon Tetrachloride

Concen: 4.528 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD062974.D

Acq: 28 Jun 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-18

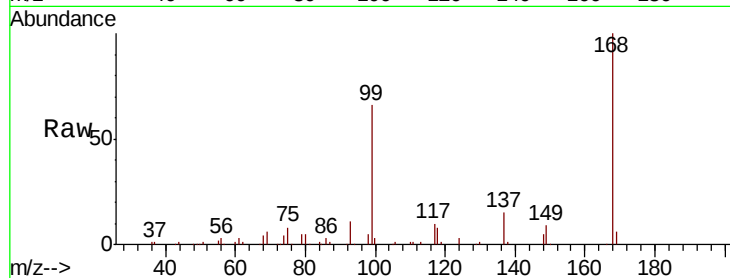
Tot Ion:117 Resp: 58784

Ion Ratio Lower Upper

117 100

119 7.8 75.4 113.2#

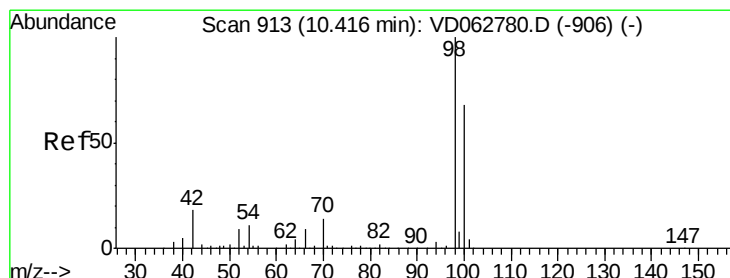
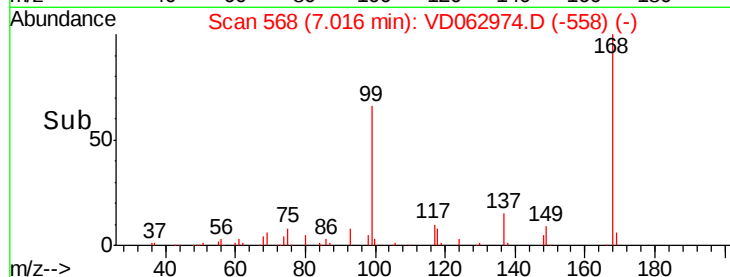
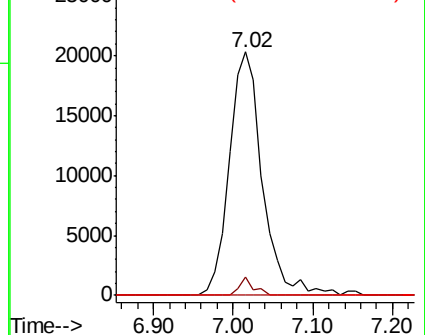
121 0.0 22.3 33.5#



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: 50.884 ug/l

RT: 10.38 min Scan# 910

Delta R.T. -0.03 min

Lab File: VD062974.D

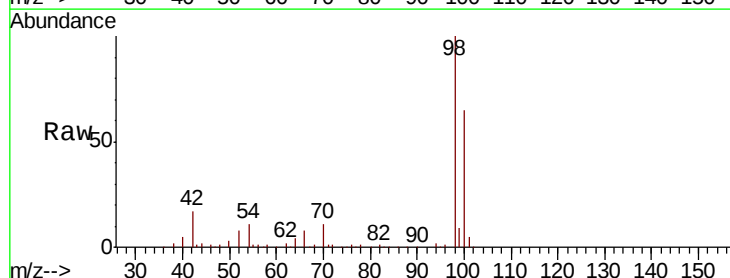
Acq: 28 Jun 2019 19:01

Tgt Ion: 98 Resp: 851610

Ion Ratio Lower Upper

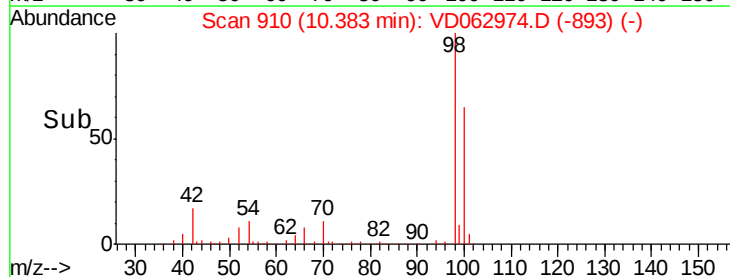
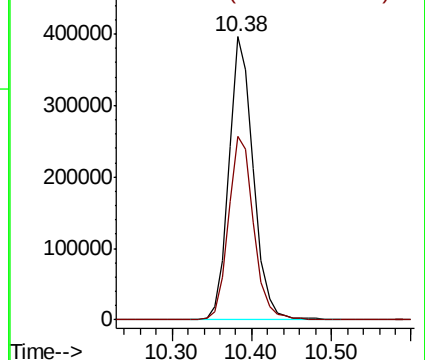
98 100

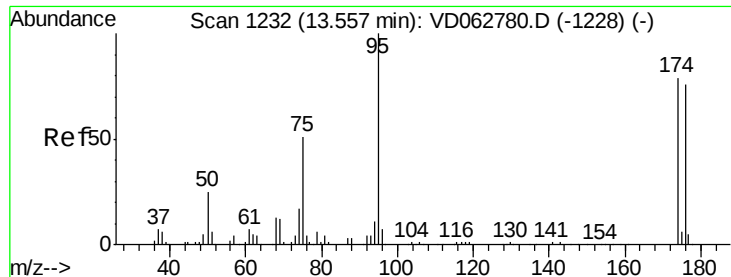
100 64.9 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 46.013 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062974.D

Acq: 28 Jun 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-18

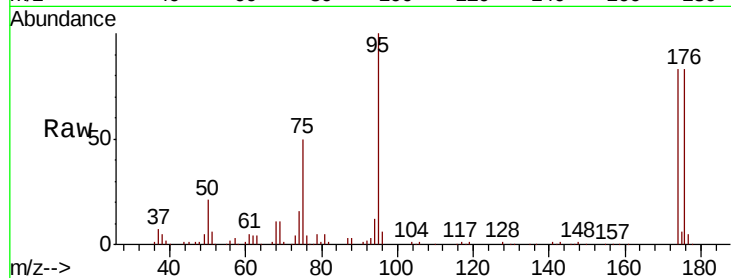
Tot Ion: 95 Resp: 350164

Ion Ratio Lower Upper

95 100

174 83.3 0.0 158.0

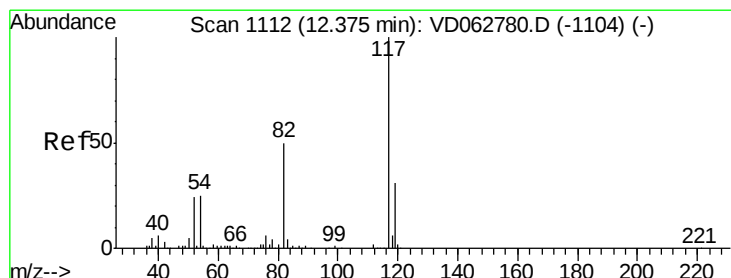
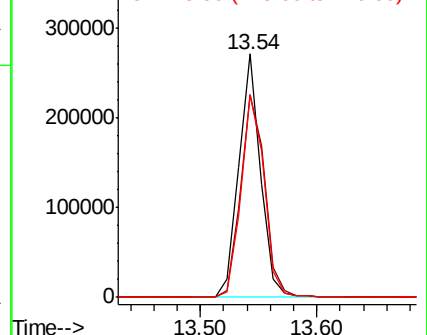
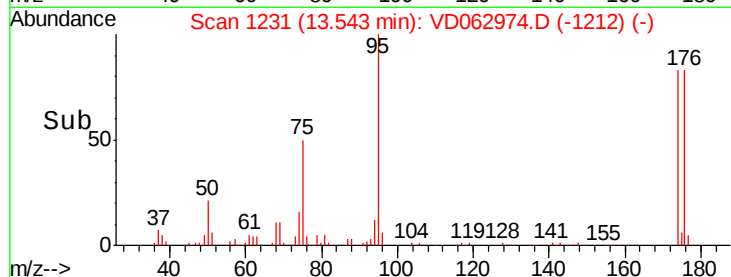
176 83.1 0.0 151.6



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: 12.35 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VD062974.D

Acq: 28 Jun 2019 19:01

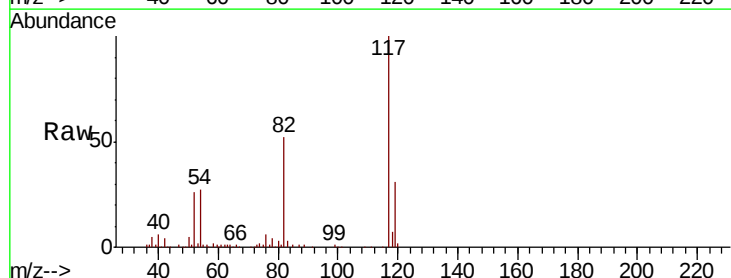
Tgt Ion: 117 Resp: 758895

Ion Ratio Lower Upper

117 100

82 51.6 40.4 60.6

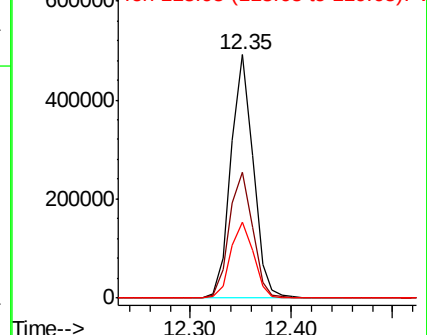
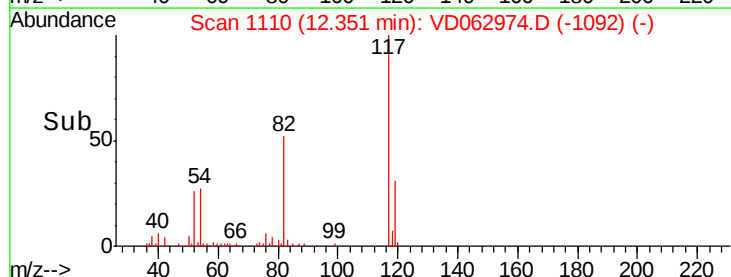
119 31.3 25.2 37.8

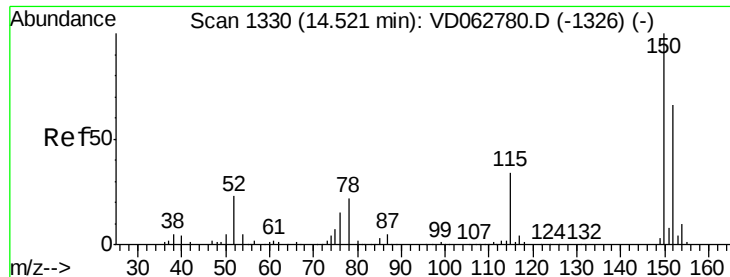


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



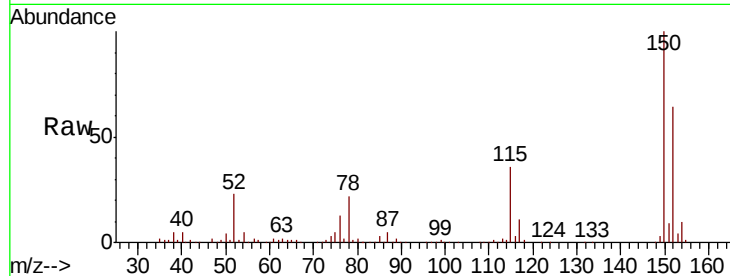


#72

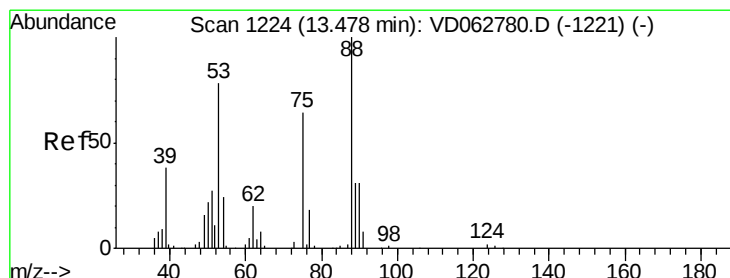
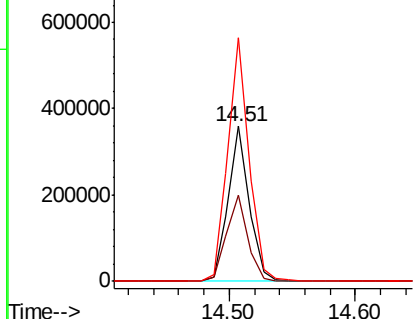
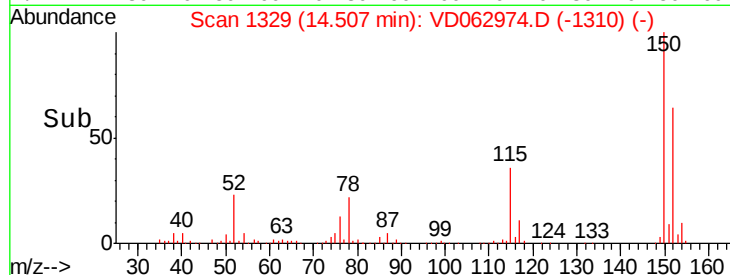
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062974.D
Acq: 28 Jun 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-18

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.7	29.2	87.6
150	156.8	0.0	305.8



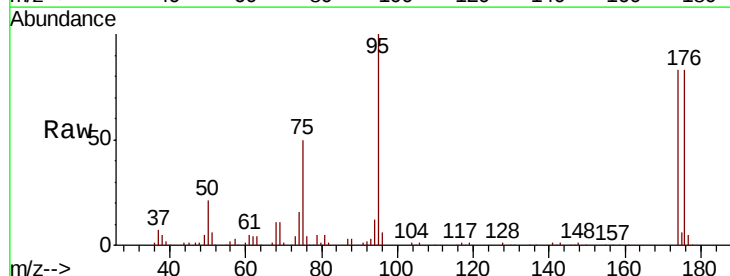
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 139.018 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.06 min
Lab File: VD062974.D
Acq: 28 Jun 2019 19:01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	97.8	146.8#
89	0.0	39.4	59.2#



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

