

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062934.D
 Acq On : 27 Jun 2019 16:27
 Operator : VA/AP
 Sample : K3530-02RE
 Misc : 6.66µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 02:21:31 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	572899	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	792277	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	431676	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.50	152	125429	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	386119	62.00	ug/l	-0.04
Spiked Amount			Recovery	=	124.00%	
35) Dibromofluoromethane	6.89	113	358078	53.60	ug/l	-0.04
Spiked Amount			Recovery	=	107.20%	
50) Toluene-d8	10.39	98	491601	33.81	ug/l	-0.03
Spiked Amount			Recovery	=	67.62%	
62) 4-Bromofluorobenzene	13.54	95	190684	28.84	ug/l	-0.02
Spiked Amount			Recovery	=	57.68%	

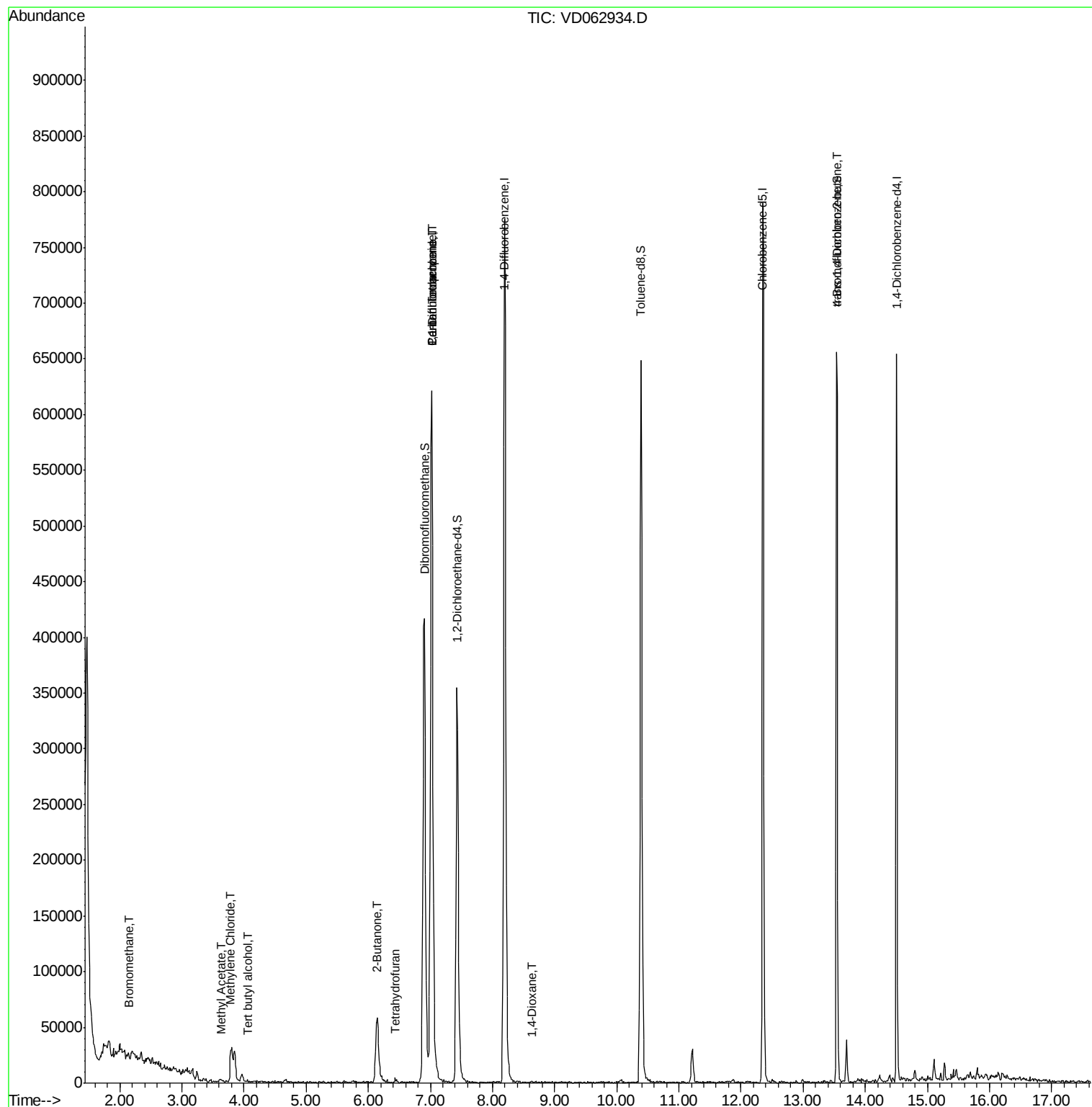
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	3887	1.501	ug/l #	13
11) Tert butyl alcohol	4.06	59	754	2.658	ug/l #	77
16) Acetone	3.20	43	2763	Below Cal	#	64
18) Methyl Acetate	3.63	43	4152	2.209	ug/l	99
20) Methylene Chloride	3.78	84	19922	4.195	ug/l #	90
25) 2-Butanone	6.14	43	5386	4.624	ug/l #	64
29) Tetrahydrofuran	6.43	42	1484	2.693	ug/l #	33
36) 1,1-Dichloropropene	7.01	75	48009	6.401	ug/l #	54
38) Carbon Tetrachloride	7.02	117	59019	5.232	ug/l #	15
49) 1,4-Dioxane	8.63	88	187	8.044	ug/l #	29
81) trans-1,4-Dichloro-2-buten	13.54	75	93811	247.199	ug/l #	2

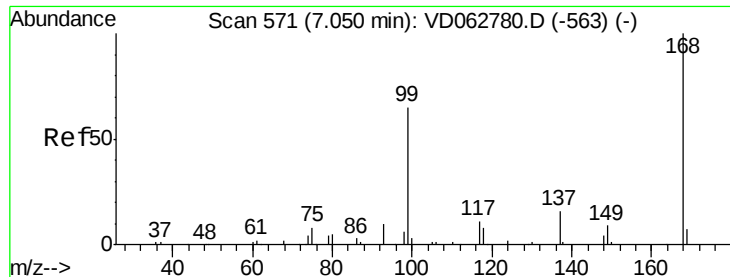
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062719\
Data File : VD062934.D
Acq On : 27 Jun 2019 16:27
Operator : VA/AP
Sample : K3530-02RE
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 28 02:21:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
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: VD062934.D

Acq: 27 Jun 2019 16:27

Instrument :

MSVOA_D

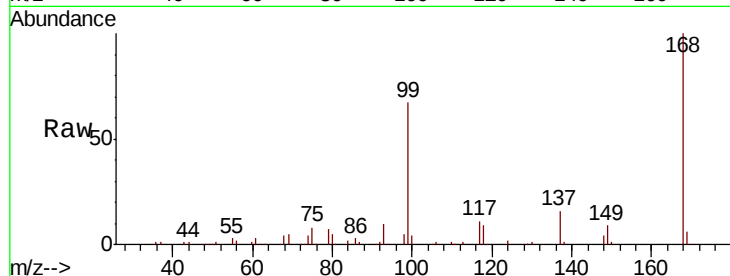
ClientSampleId :

Tot Ion:168 Resp: 572899

Ion Ratio Lower Upper

168 100

99 66.6 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

200000

150000

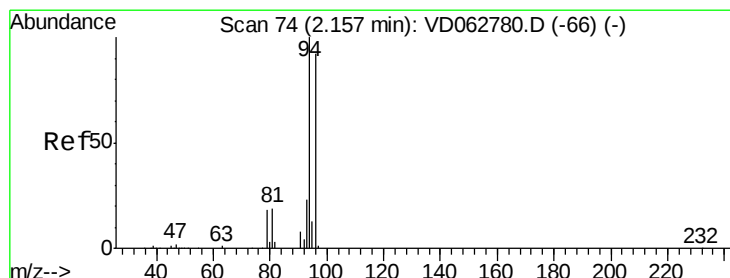
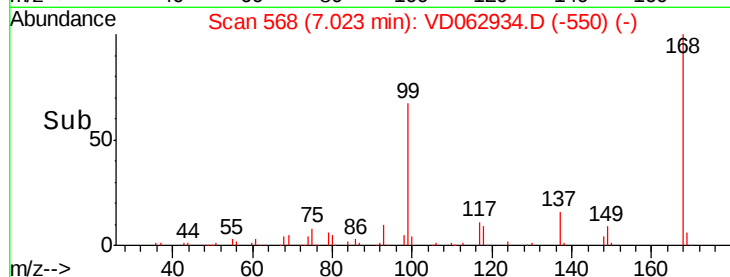
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.501 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062934.D

Acq: 27 Jun 2019 16:27

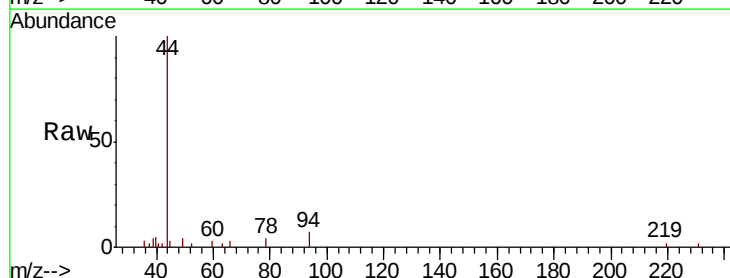
Tgt Ion: 94 Resp: 3887

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#

93 0.0 18.2 27.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2000

1500

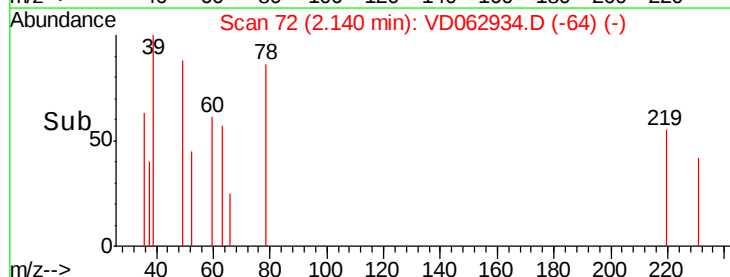
1000

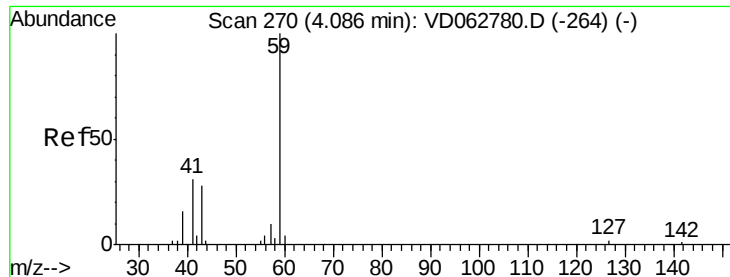
500

0

Time-->

2.10 2.15 2.20



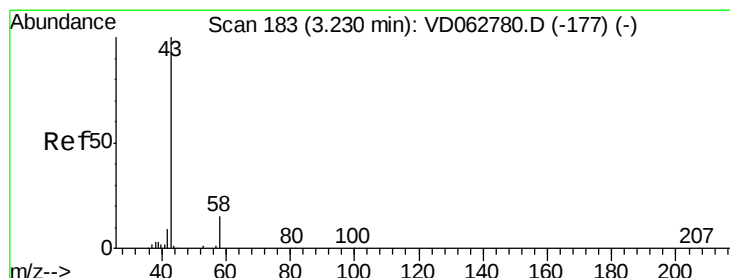
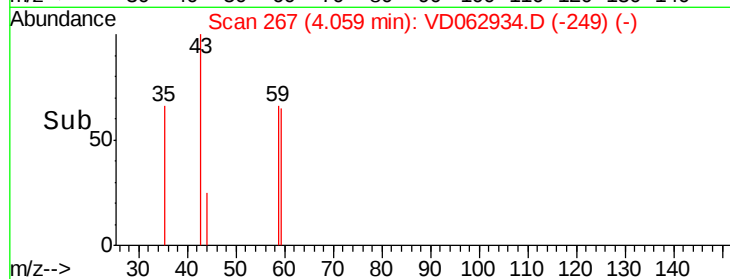
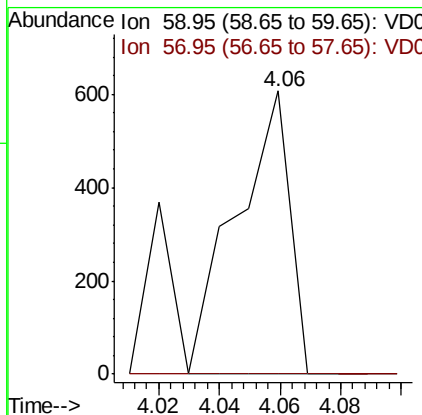
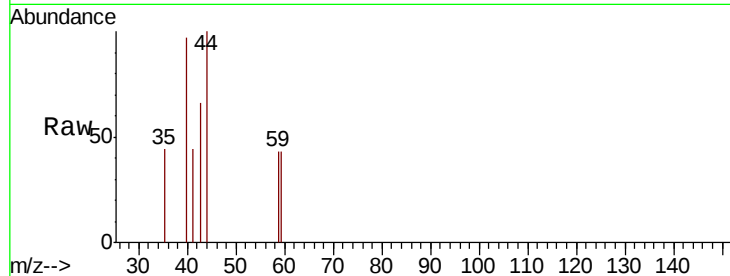


#11

Tert butyl alcohol
 Concen: 2.658 ug/l
 RT: 4.06 min Scan# 267
 Delta R.T. -0.03 min
 Lab File: VD062934.D
 Acq: 27 Jun 2019 16:27

Instrument :
 MSVOA_D
 ClientSampleId :

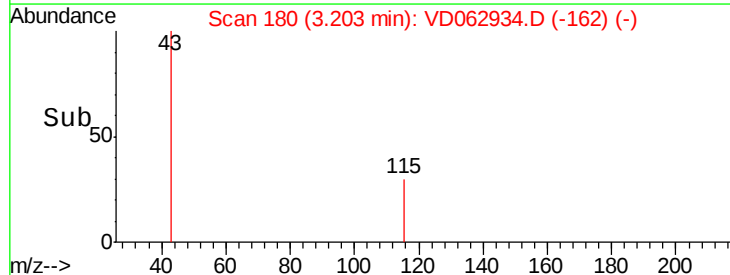
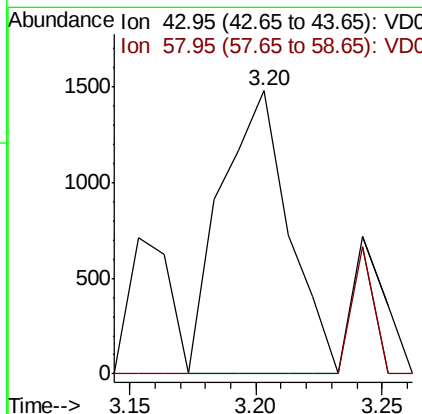
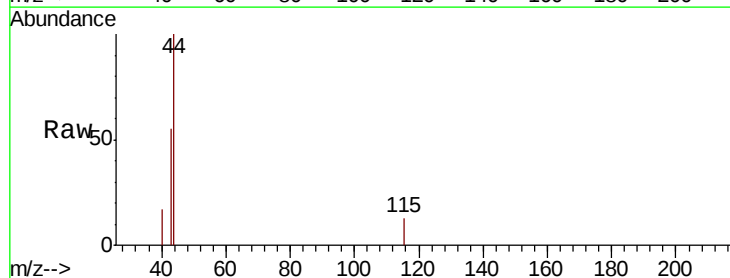
Tot Ion: 59 Resp: 754
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.6 10.0#

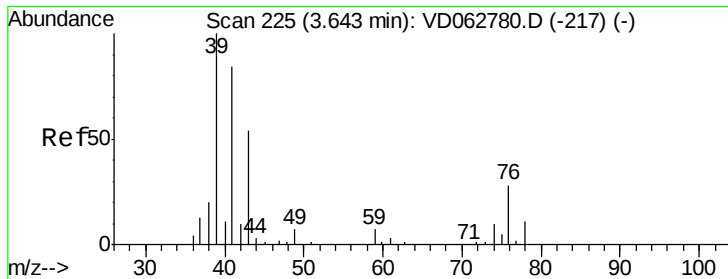


#16

Acetone
 Concen: Below Cal
 RT: 3.20 min Scan# 180
 Delta R.T. -0.03 min
 Lab File: VD062934.D
 Acq: 27 Jun 2019 16:27

Tgt Ion: 43 Resp: 2763
 Ion Ratio Lower Upper
 43 100
 58 0.0 11.9 17.9#

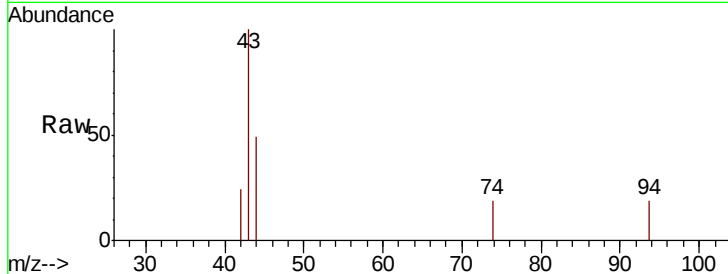




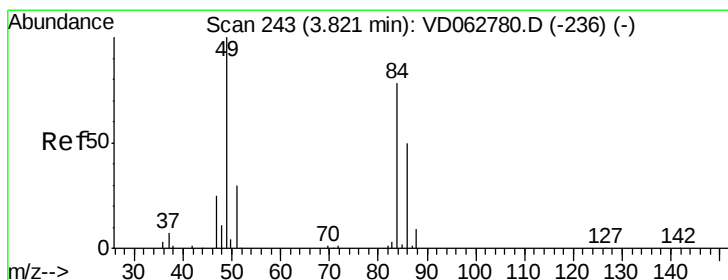
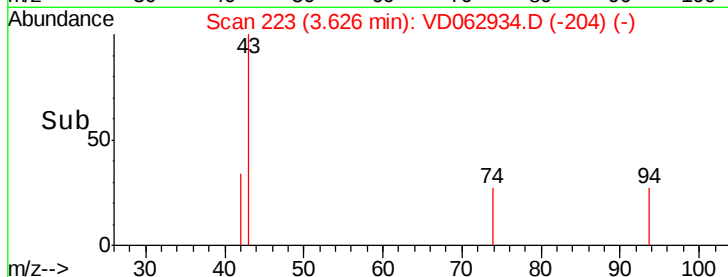
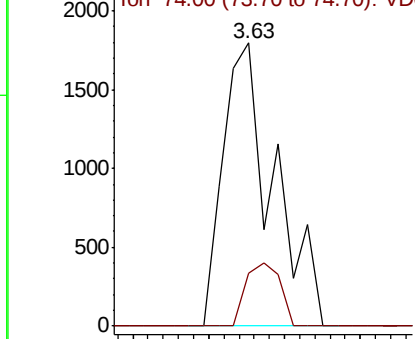
#18
Methyl Acetate
Concen: 2.209 ug/l
RT: 3.63 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD062934.D
Acq: 27 Jun 2019 16:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 4152
Ion Ratio Lower Upper
43 100
74 18.7 15.2 22.8

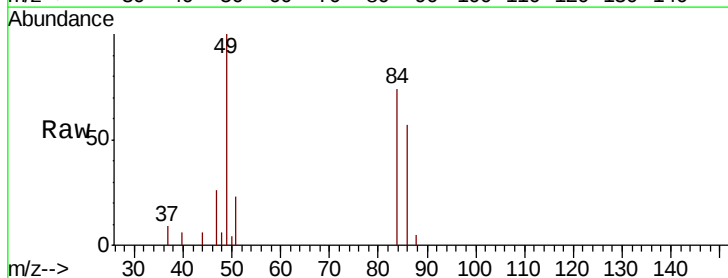


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

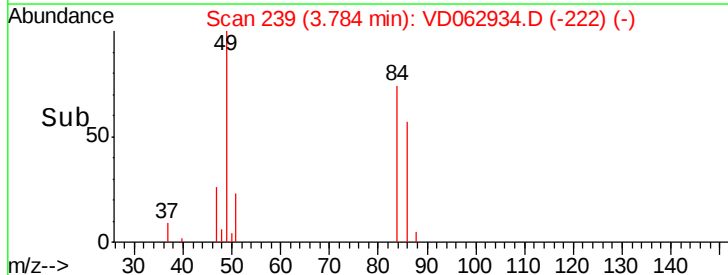
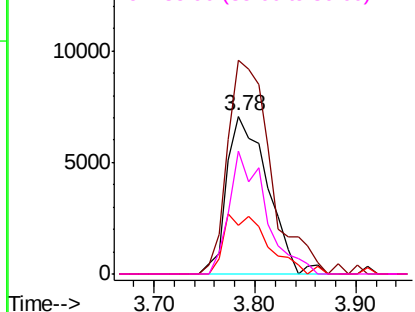


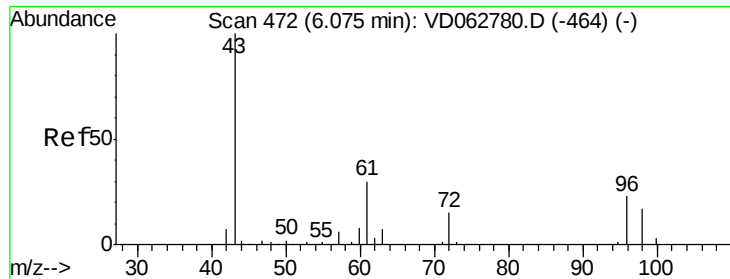
#20
Methylene Chloride
Concen: 4.195 ug/l
RT: 3.78 min Scan# 239
Delta R.T. -0.04 min
Lab File: VD062934.D
Acq: 27 Jun 2019 16:27

Tgt Ion: 84 Resp: 19922
Ion Ratio Lower Upper
84 100
49 135.1 102.9 154.3
51 30.6 31.2 46.8#
86 77.5 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





#25

2-Butanone

Concen: 4.624 ug/l

RT: 6.14 min Scan# 478

Delta R.T. 0.06 min

Lab File: VD062934.D

Acq: 27 Jun 2019 16:27

Instrument :

MSVOA_D

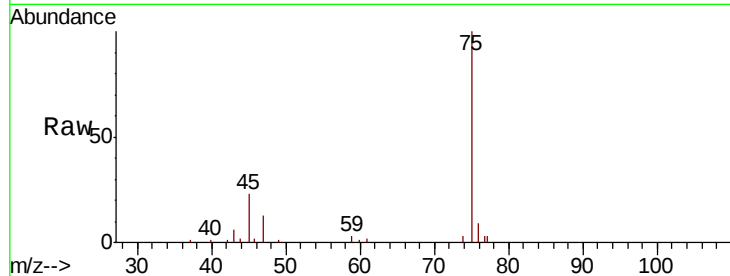
ClientSampleId :

Tot Ion: 43 Resp: 5386

Ion Ratio Lower Upper

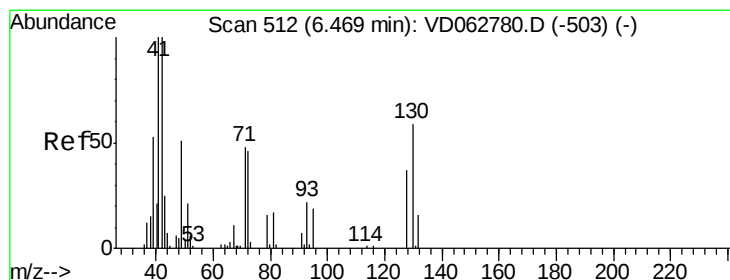
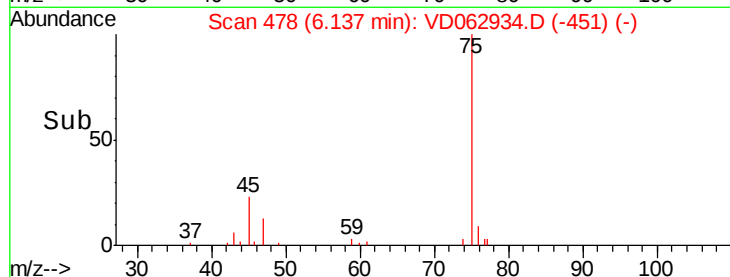
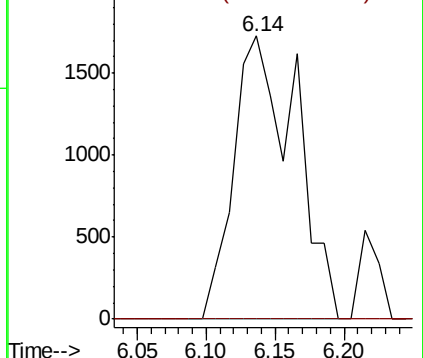
43 100

72 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 2.693 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.04 min

Lab File: VD062934.D

Acq: 27 Jun 2019 16:27

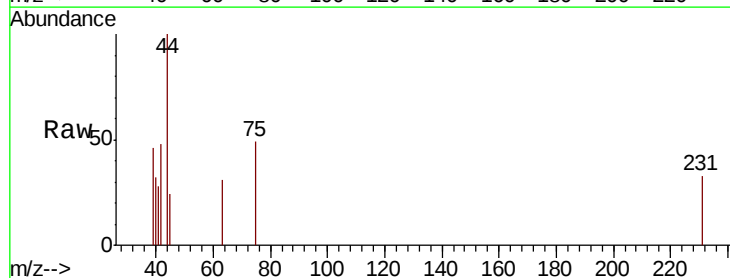
Tgt Ion: 42 Resp: 1484

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.6#

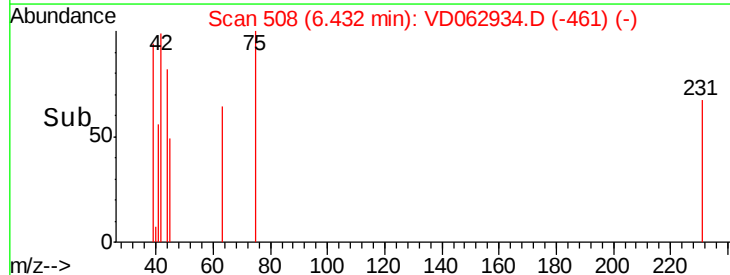
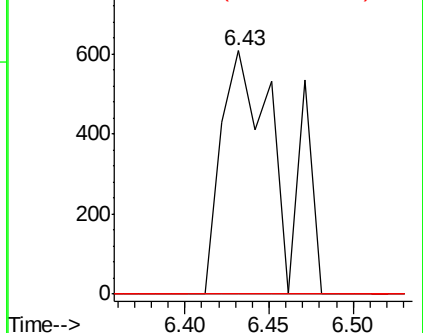
71 0.0 33.3 49.9#

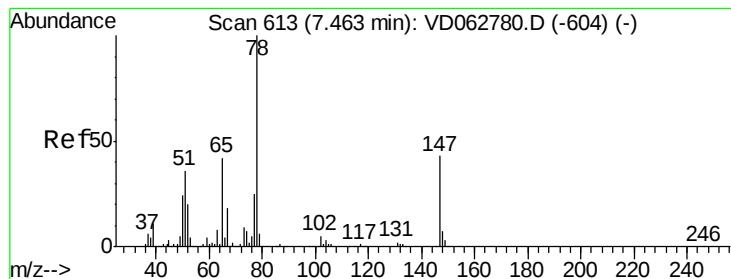


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 62.004 ug/l

RT: 7.43 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062934.D

Acq: 27 Jun 2019 16:27

Instrument :

MSVOA_D

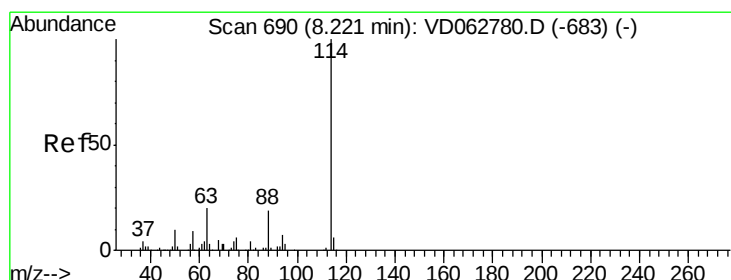
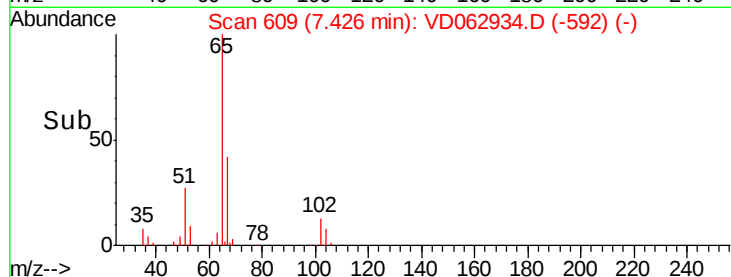
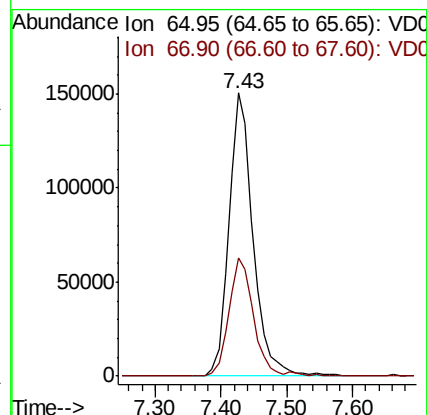
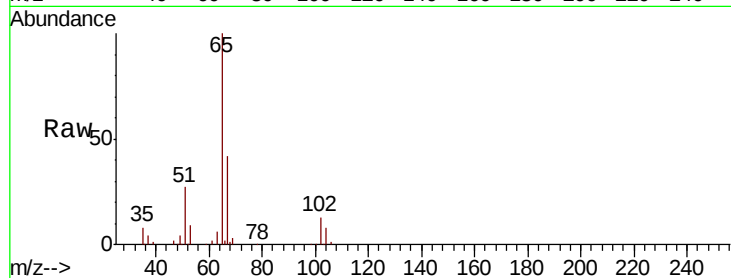
ClientSampleId :

Tot Ion: 65 Resp: 386119

Ion Ratio Lower Upper

65 100

67 41.6 0.0 87.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. -0.03 min

Lab File: VD062934.D

Acq: 27 Jun 2019 16:27

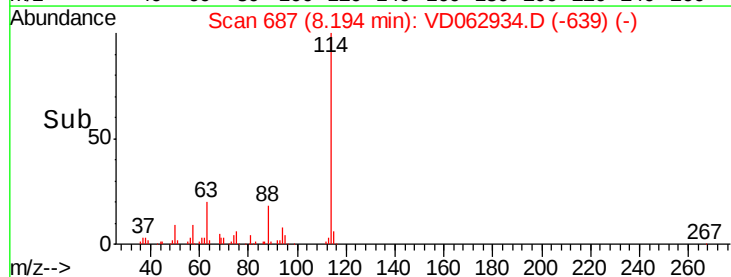
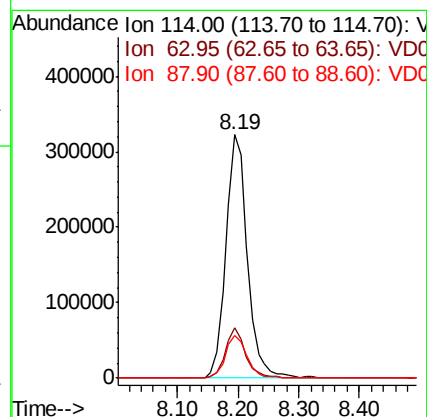
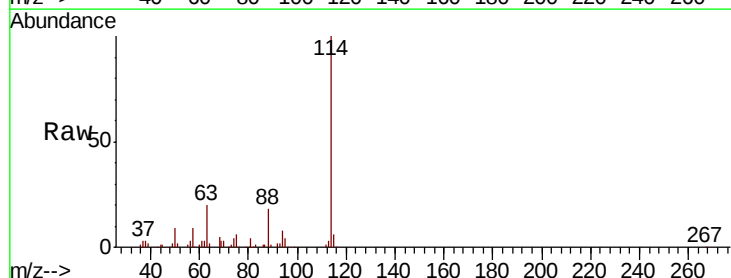
Tgt Ion: 114 Resp: 792277

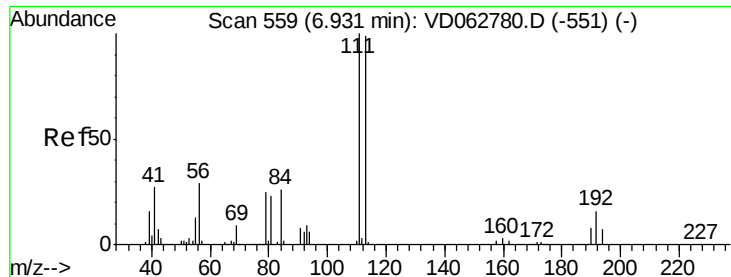
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

88 17.7 0.0 38.8

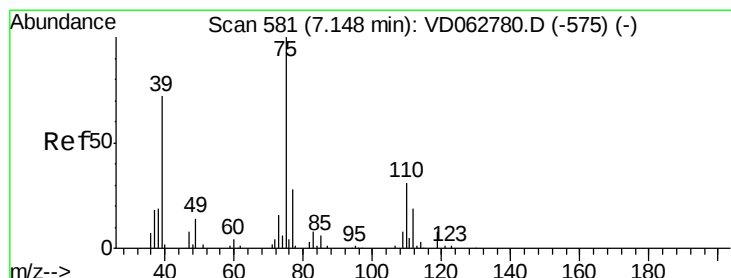
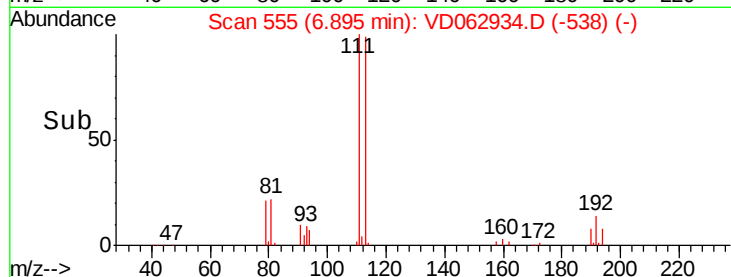
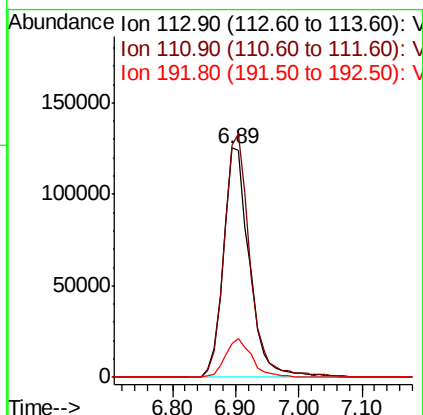
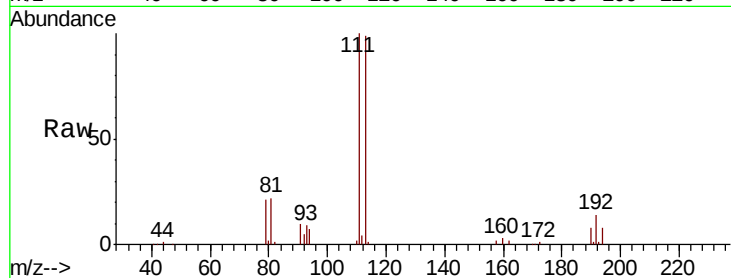




#35
 Dibromofluoromethane
 Concen: 53.601 ug/l
 RT: 6.89 min Scan# 555
 Delta R.T. -0.04 min
 Lab File: VD062934.D
 Acq: 27 Jun 2019 16:27

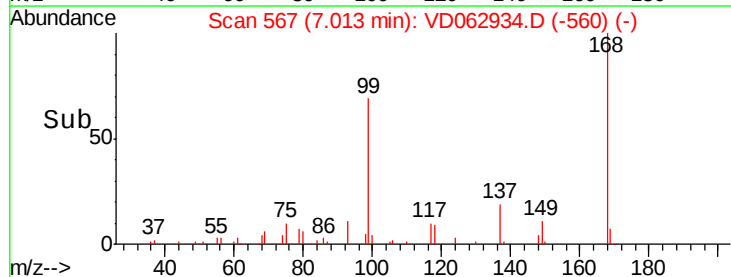
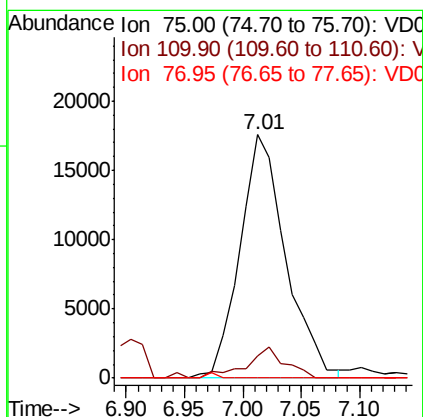
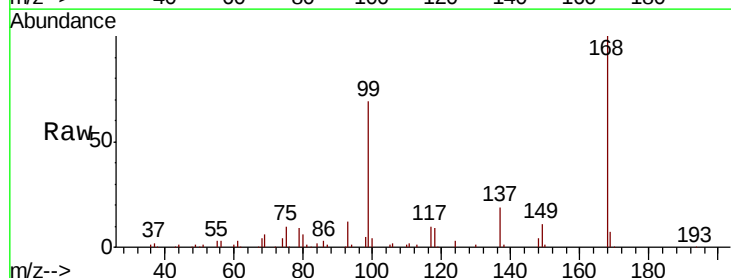
Instrument :
 MSVOA_D
 ClientSampleId :

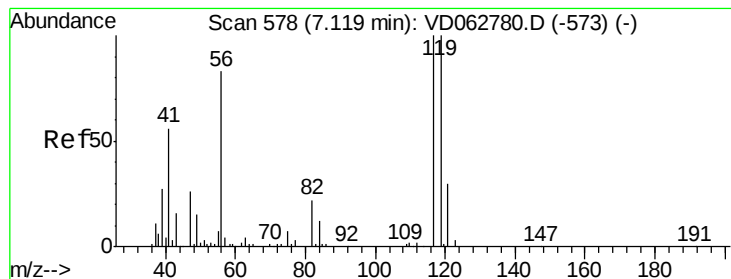
Tot Ion:113 Resp: 358078
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.2 121.8
 192 14.6 12.9 19.3



#36
 1,1-Dichloropropene
 Concen: 6.401 ug/l
 RT: 7.01 min Scan# 567
 Delta R.T. -0.14 min
 Lab File: VD062934.D
 Acq: 27 Jun 2019 16:27

Tgt Ion: 75 Resp: 48009
 Ion Ratio Lower Upper
 75 100
 110 8.9 15.0 45.1#
 77 0.0 22.2 33.2#





#38

Carbon Tetrachloride

Concen: 5.232 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD062934.D

Acq: 27 Jun 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

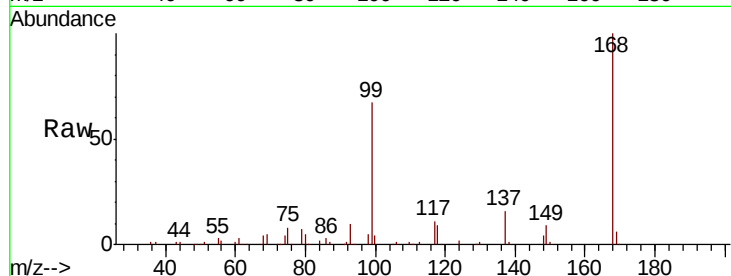
Tot Ion:117 Resp: 59019

Ion Ratio Lower Upper

117 100

119 2.6 75.4 113.2#

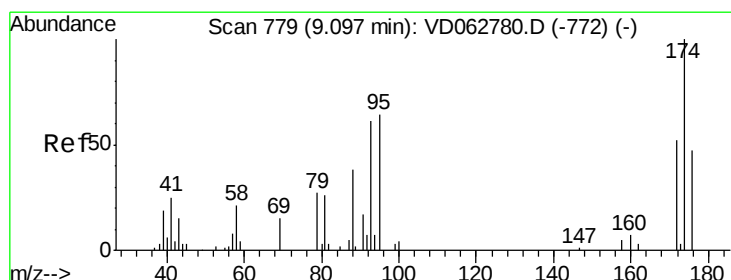
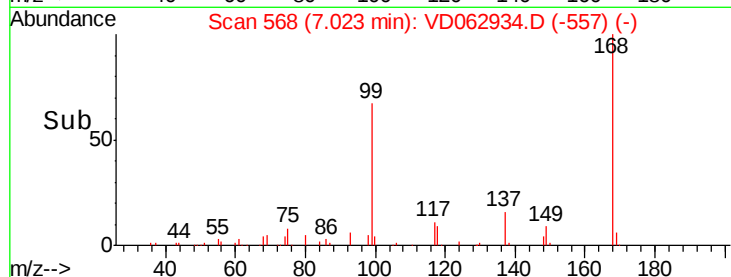
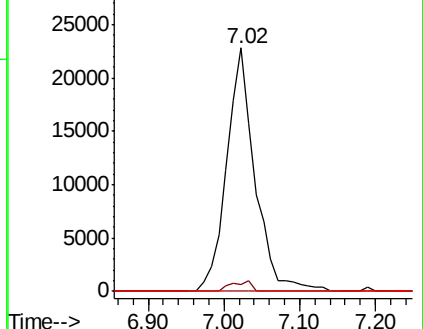
121 0.0 22.3 33.5#



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



#49

1,4-Dioxane

Concen: 8.044 ug/l

RT: 8.63 min Scan# 731

Delta R.T. -0.47 min

Lab File: VD062934.D

Acq: 27 Jun 2019 16:27

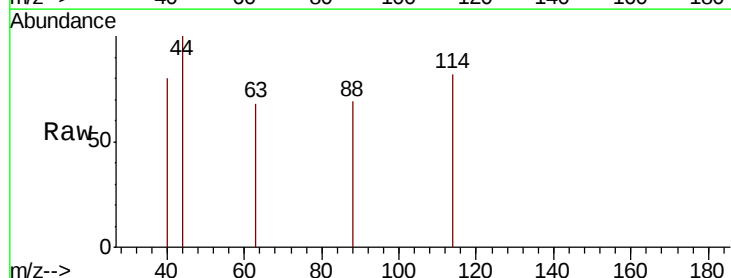
Tgt Ion: 88 Resp: 187

Ion Ratio Lower Upper

88 100

43 0.0 32.1 48.1#

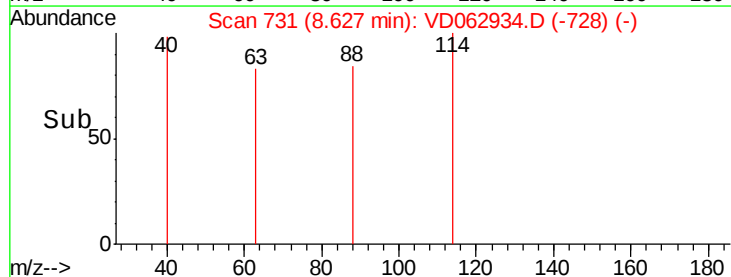
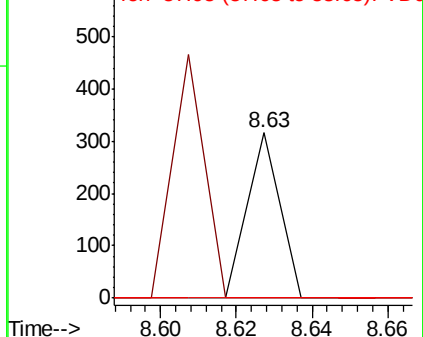
58 0.0 44.1 66.1#

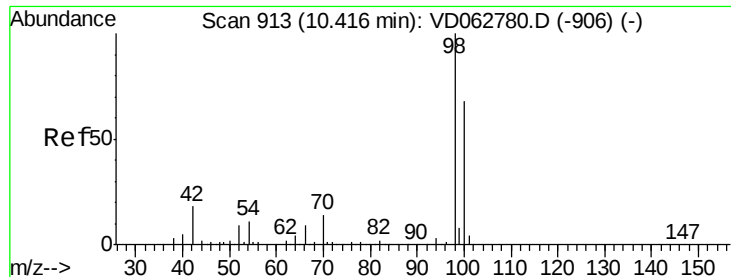


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

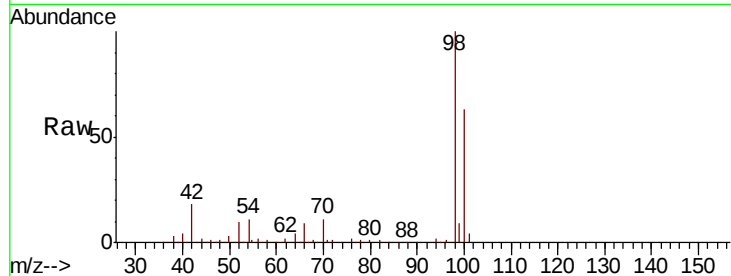




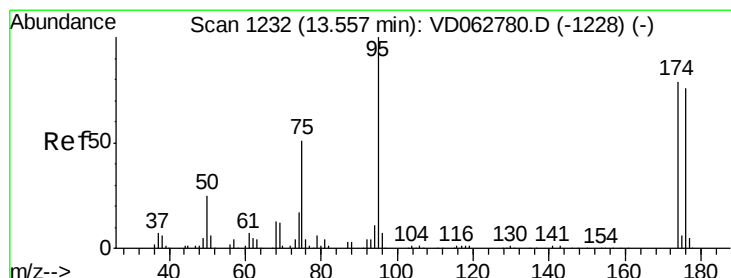
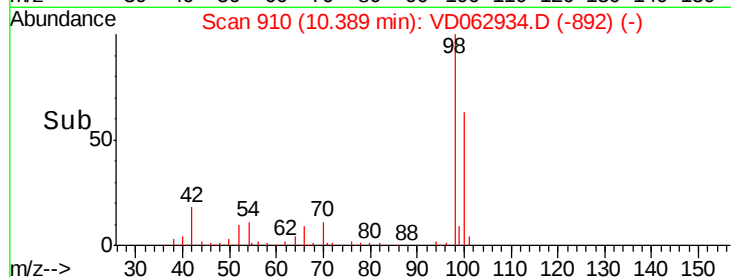
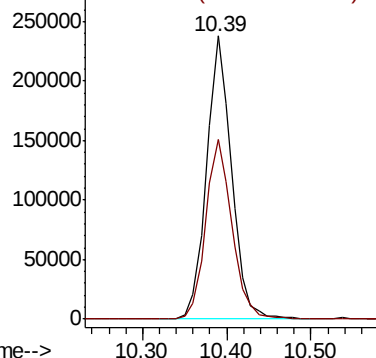
#50
Toluene-d8
Concen: 33.811 ug/l
RT: 10.39 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062934.D
Acq: 27 Jun 2019 16:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 491601
Ion Ratio Lower Upper
98 100
100 63.5 54.7 82.1

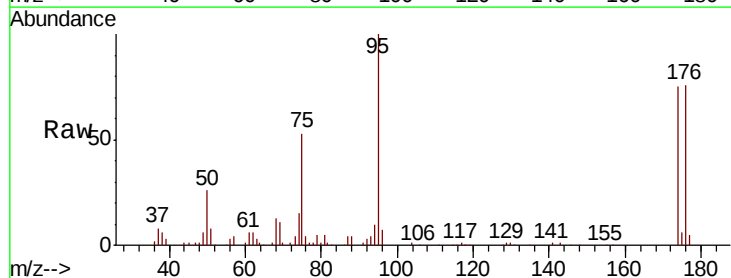


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

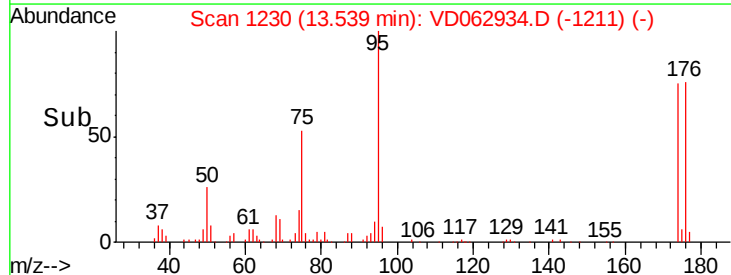
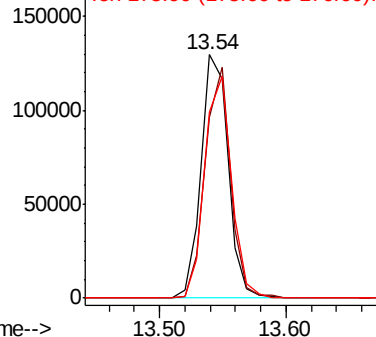


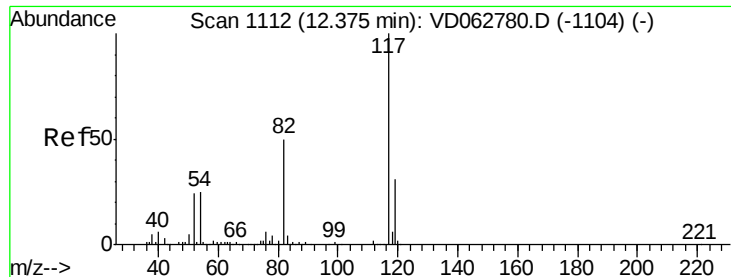
#62
4-Bromofluorobenzene
Concen: 28.842 ug/l
RT: 13.54 min Scan# 1230
Delta R.T. -0.02 min
Lab File: VD062934.D
Acq: 27 Jun 2019 16:27

Tgt Ion: 95 Resp: 190684
Ion Ratio Lower Upper
95 100
174 74.5 0.0 158.0
176 76.5 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

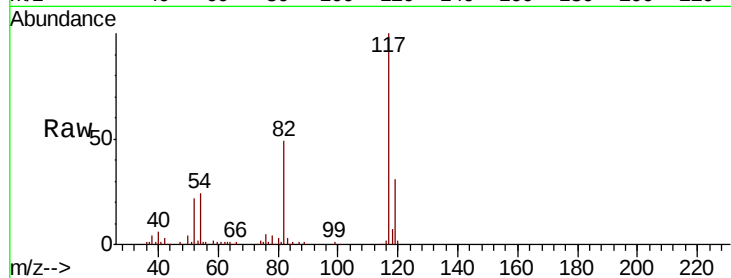




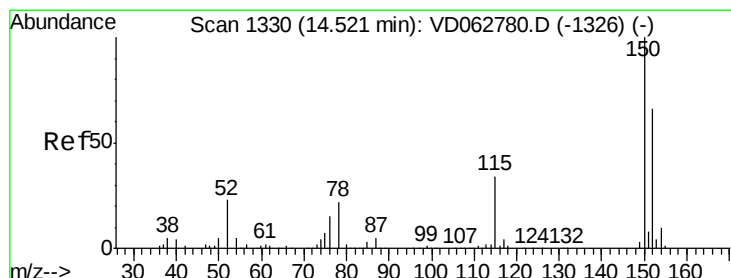
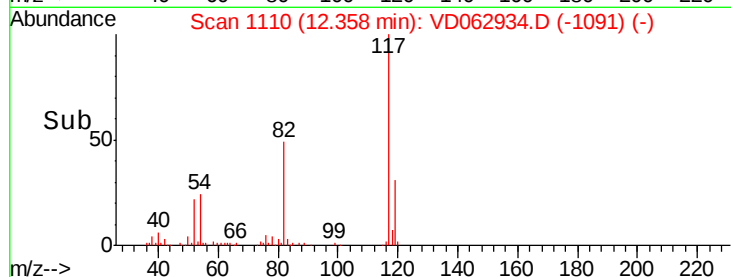
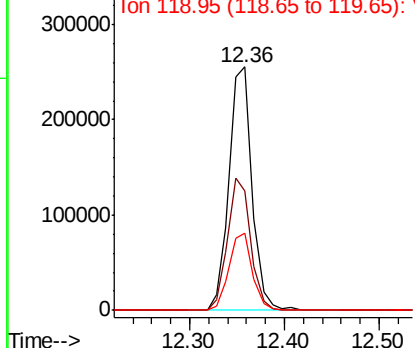
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062934.D
Acq: 27 Jun 2019 16:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.8	40.4	60.6
119	31.5	25.2	37.8

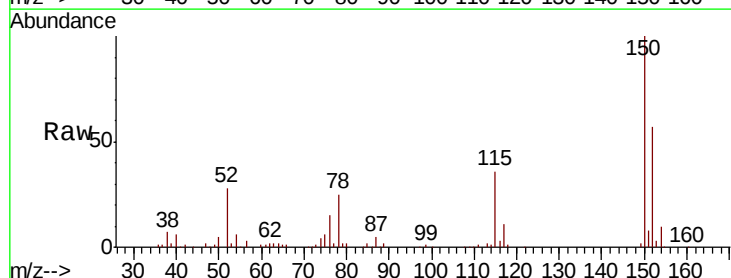


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

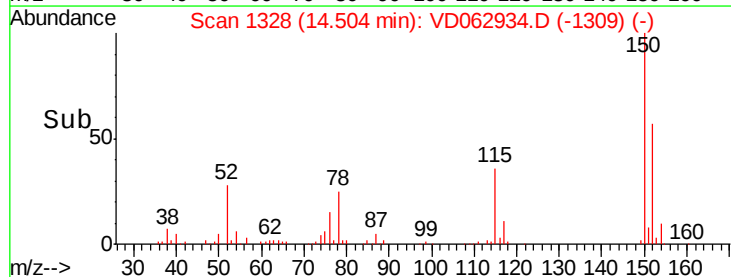
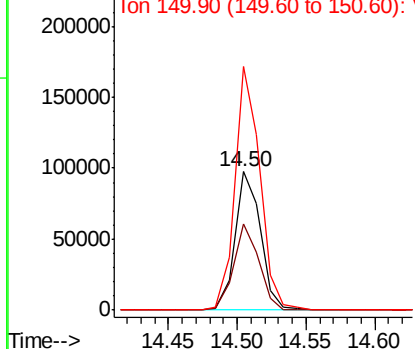


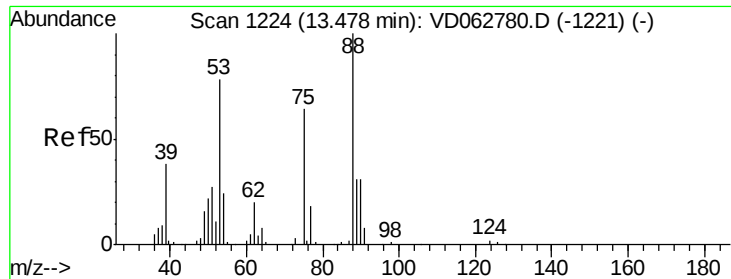
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. -0.02 min
Lab File: VD062934.D
Acq: 27 Jun 2019 16:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.5	29.2	87.6
150	175.9	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: 247.199 ug/l

RT: 13.54 min Scan# 1230

Delta R.T. 0.06 min

Lab File: VD062934.D

Acq: 27 Jun 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

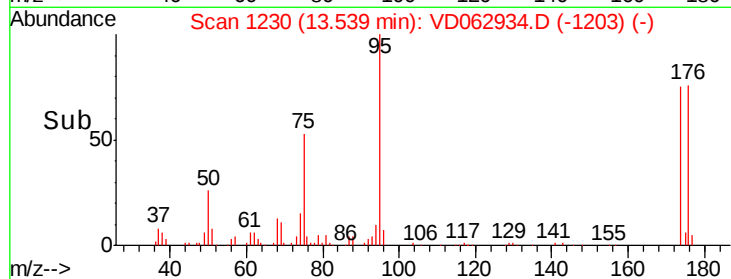
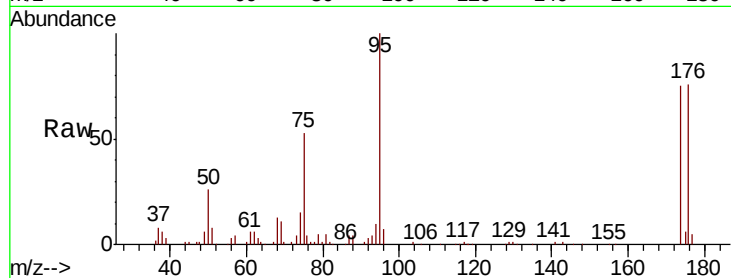
Tot Ion: 75 Resp: 93811

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

