

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060319\
 Data File : VD062581.D
 Acq On : 3 Jun 2019 13:05
 Operator : VA/AP
 Sample : VD0603SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 04 05:49:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	843165	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.23	114	1111446	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	926823	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	509503	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	547573	55.39	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	110.78%	
35) Dibromofluoromethane	6.93	113	536064	52.93	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	105.86%	
50) Toluene-d8	10.41	98	1125403	50.71	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	13.55	95	523109	52.27	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.54%	

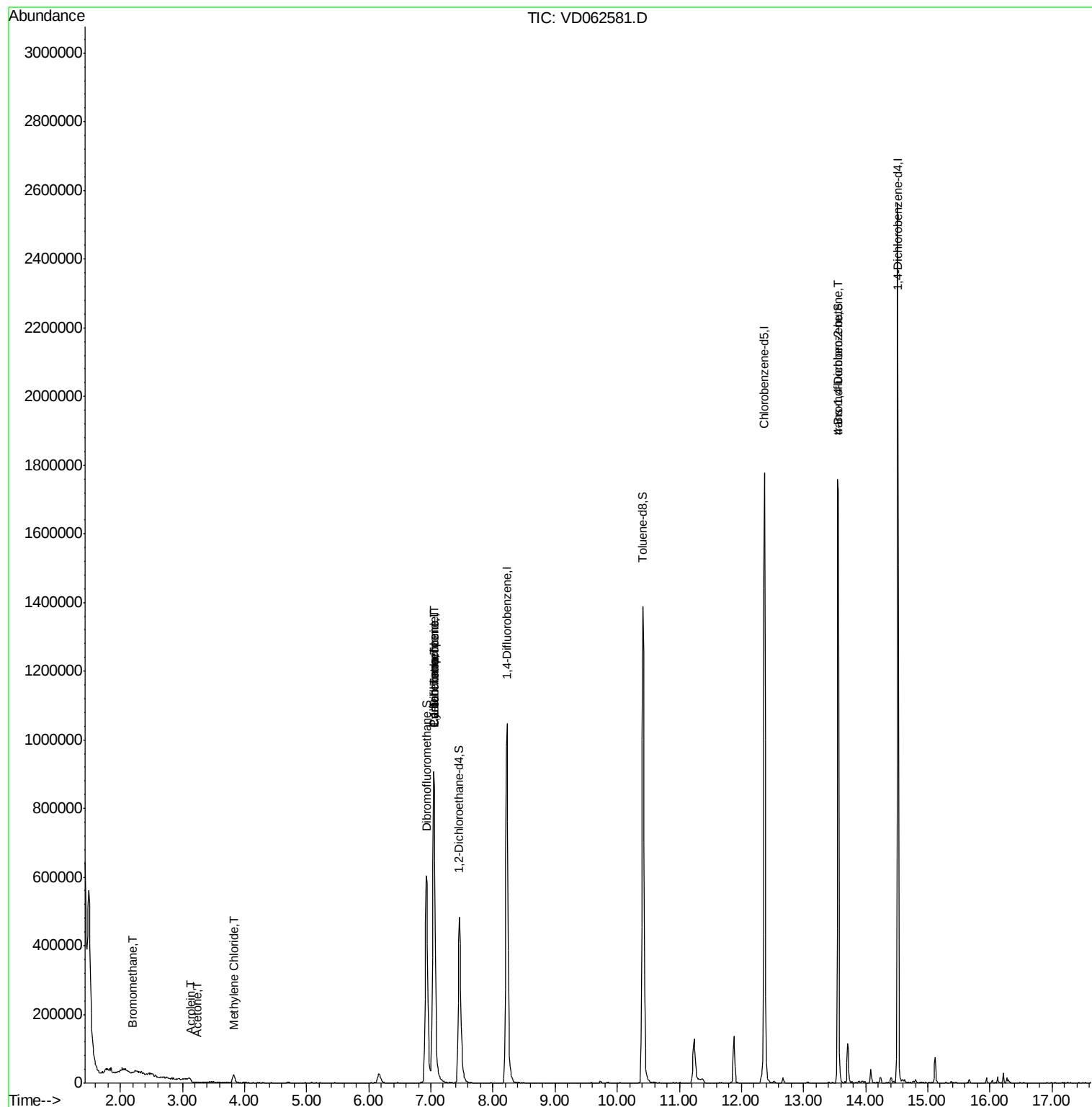
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.76	50	3414	Below Cal	#	87
5) Bromomethane	2.19	94	3764	1.552	ug/l #	68
13) Acrolein	3.13	56	202	1.099	ug/l #	10
16) Acetone	3.24	43	4444	2.288	ug/l #	60
20) Methylene Chloride	3.83	84	16444	2.287	ug/l	96
31) Cyclohexane	7.06	56	22441	2.444	ug/l #	25
36) 1,1-Dichloropropene	7.05	75	70471	6.369	ug/l #	46
38) Carbon Tetrachloride	7.05	117	87636	5.320	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.55	75	264368	150.938	ug/l #	5

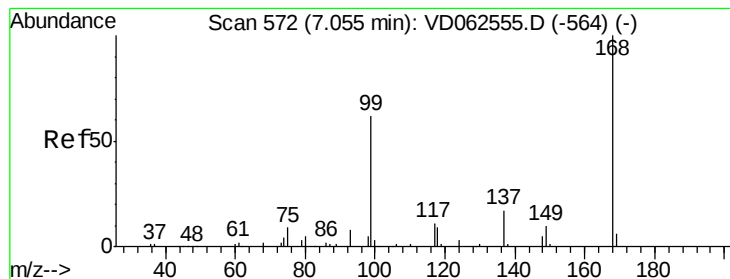
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060319\
Data File : VD062581.D
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Operator : VA/AP
Sample : VD0603SBL01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 04 05:49:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062581.D

Acq: 3 Jun 2019 13:05

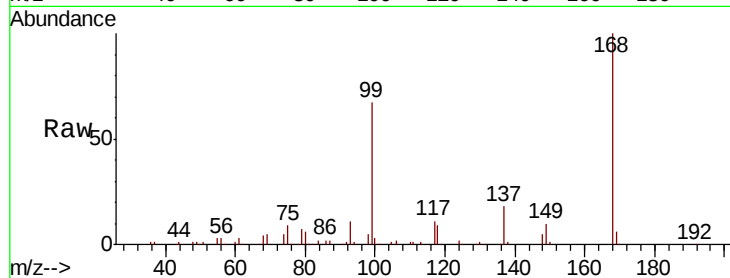
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 843165

Ion Ratio Lower Upper

168 100

99 67.0 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

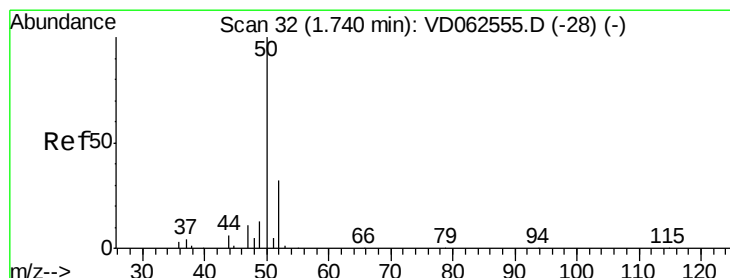
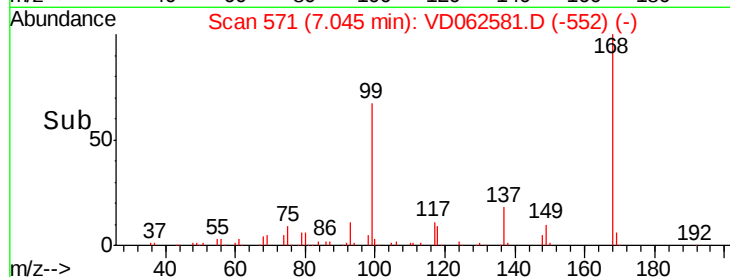
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062581.D

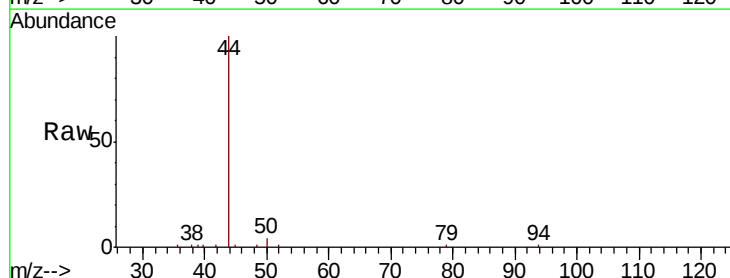
Acq: 3 Jun 2019 13:05

Tgt Ion: 50 Resp: 3414

Ion Ratio Lower Upper

50 100

52 24.6 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

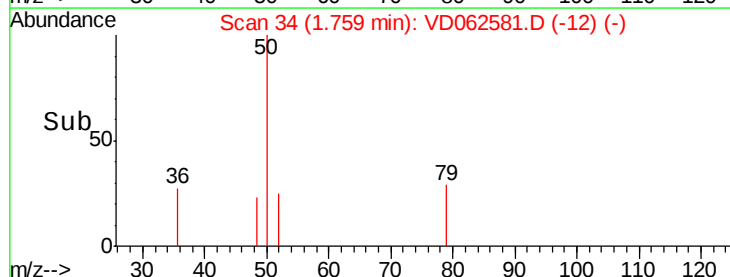
1500

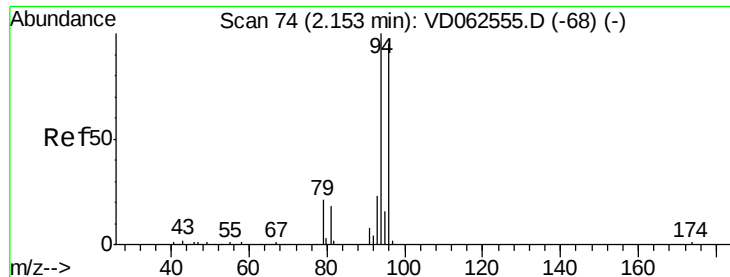
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.552 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.04 min

Lab File: VD062581.D

Acq: 3 Jun 2019 13:05

Instrument :

MSVOA_D

ClientSampled :

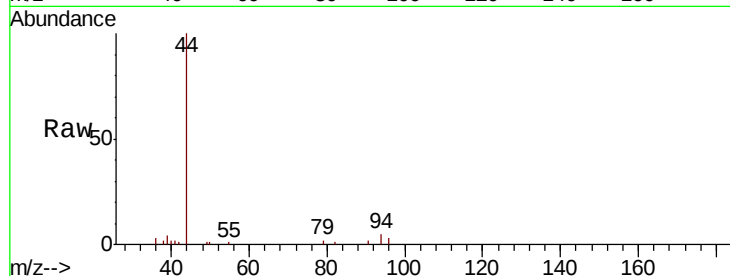
Tot Ion: 94 Resp: 3764

Ion Ratio Lower Upper

94 100

96 68.2 76.2 114.4#

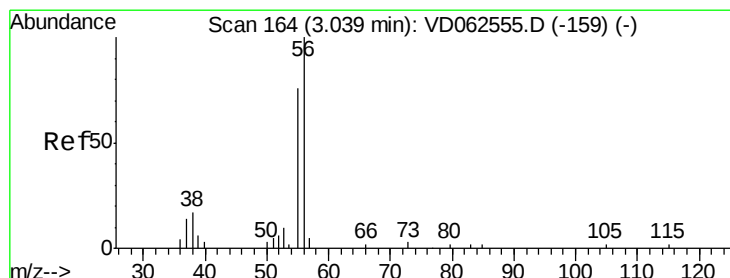
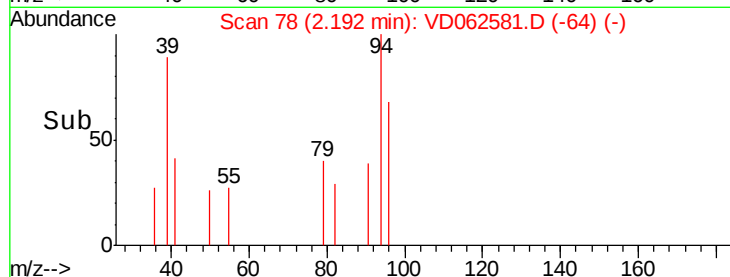
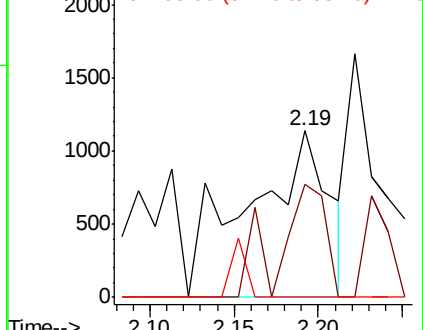
93 0.0 18.4 27.6#



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



#13

Acrolein

Concen: 1.099 ug/l

RT: 3.13 min Scan# 173

Delta R.T. 0.09 min

Lab File: VD062581.D

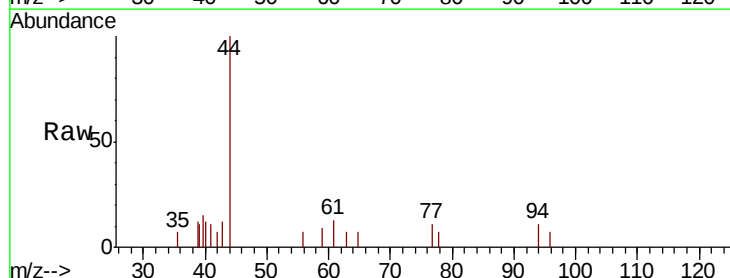
Acq: 3 Jun 2019 13:05

Tgt Ion: 56 Resp: 202

Ion Ratio Lower Upper

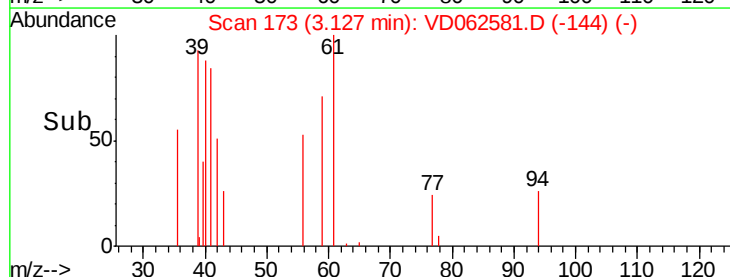
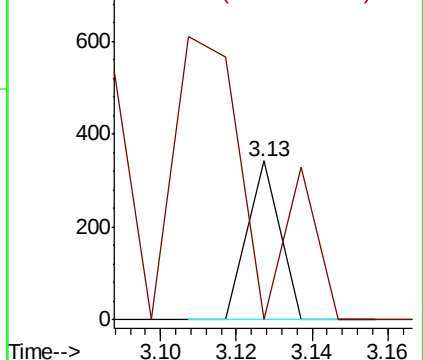
56 100

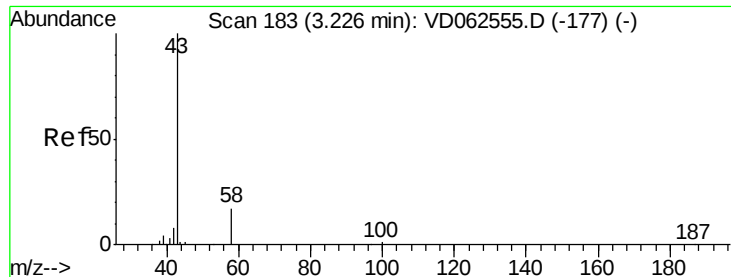
55 0.0 62.6 93.8#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 2.288 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062581.D

Acq: 3 Jun 2019 13:05

Instrument :

MSVOA_D

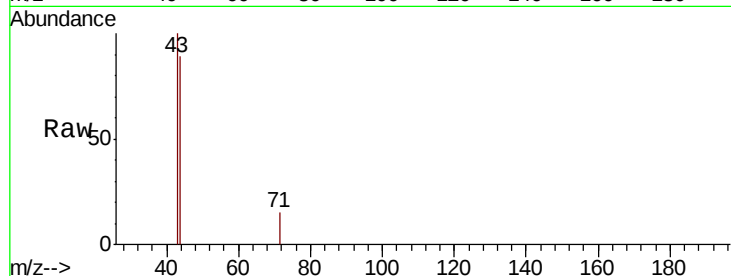
ClientSampleId :

Tot Ion: 43 Resp: 4444

Ion Ratio Lower Upper

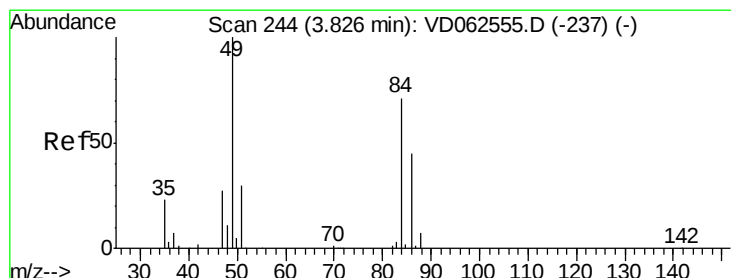
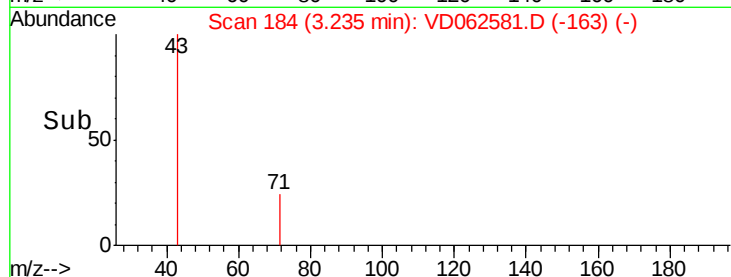
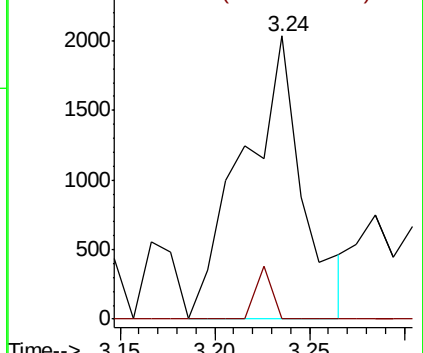
43 100

58 0.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 2.287 ug/l

RT: 3.83 min Scan# 244

Delta R.T. -0.00 min

Lab File: VD062581.D

Acq: 3 Jun 2019 13:05

Tgt Ion: 84 Resp: 16444

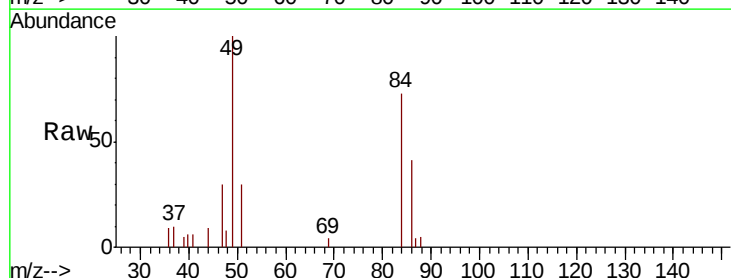
Ion Ratio Lower Upper

84 100

49 137.5 112.3 168.5

51 40.9 33.6 50.4

86 56.2 50.4 75.6

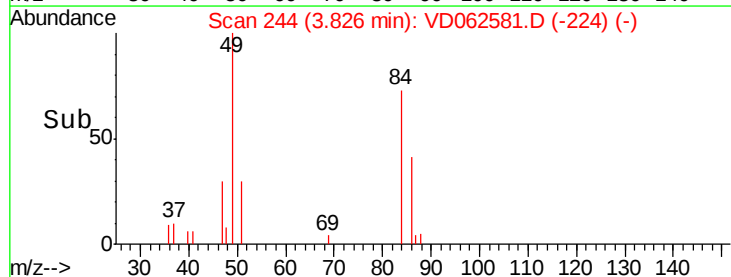
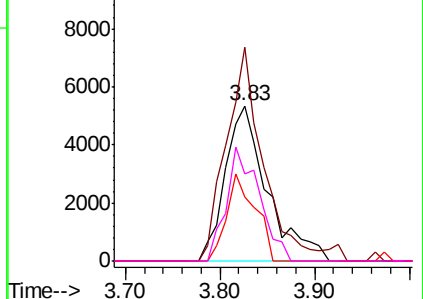


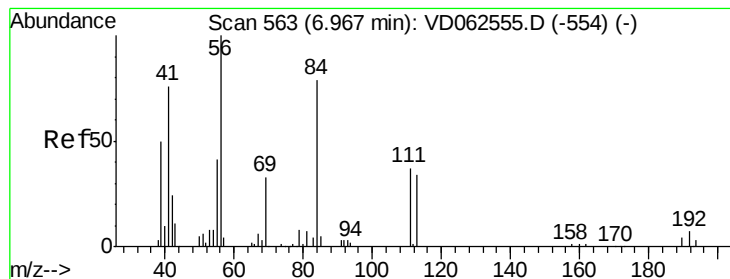
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 2.444 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.09 min

Lab File: VD062581.D

Acq: 3 Jun 2019 13:05

Instrument :

MSVOA_D

ClientSampled :

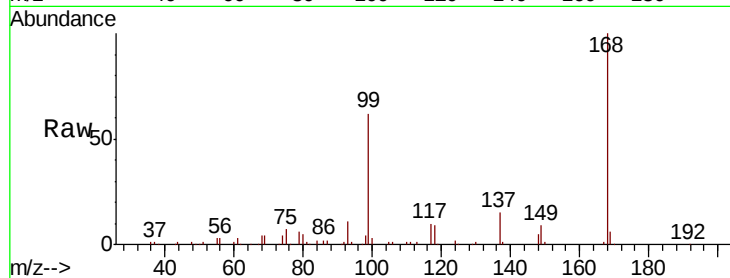
Tot Ion: 56 Resp: 22441

Ion Ratio Lower Upper

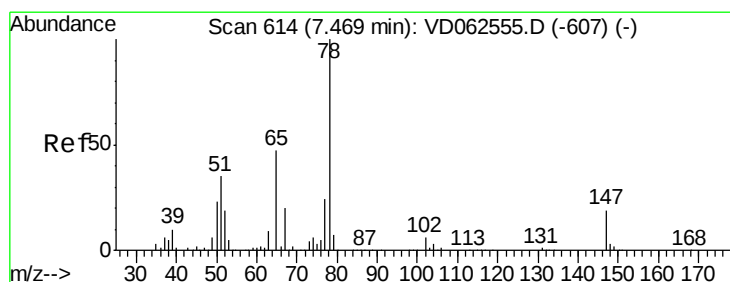
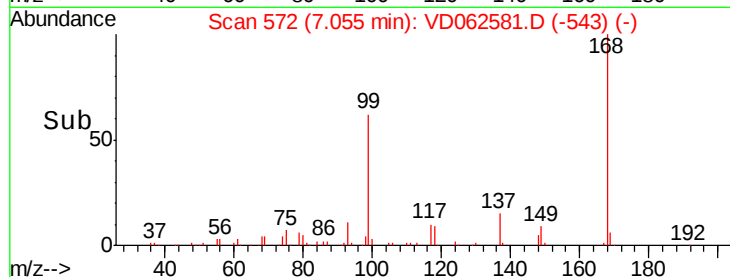
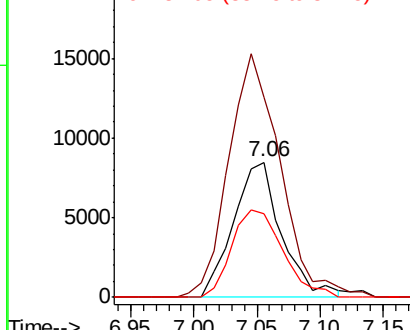
56 100

69 148.2 26.2 39.2#

84 61.6 65.2 97.8#



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: 55.387 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062581.D

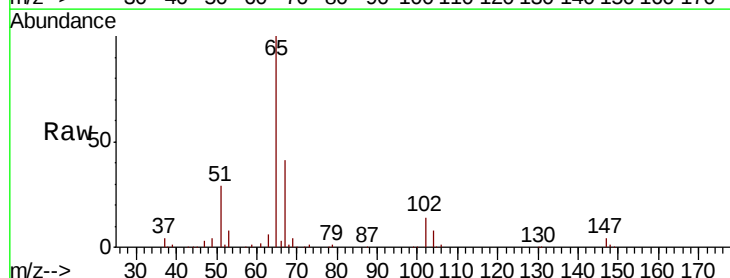
Acq: 3 Jun 2019 13:05

Tgt Ion: 65 Resp: 547573

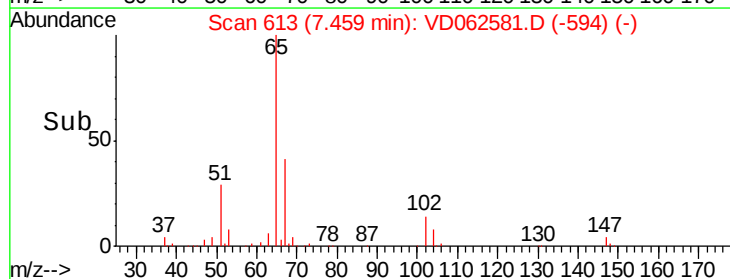
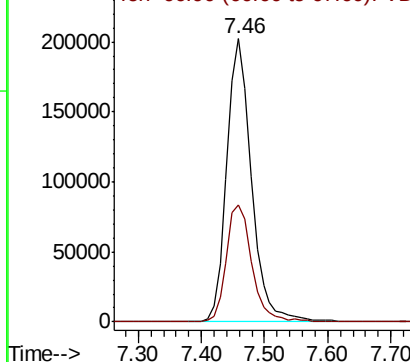
Ion Ratio Lower Upper

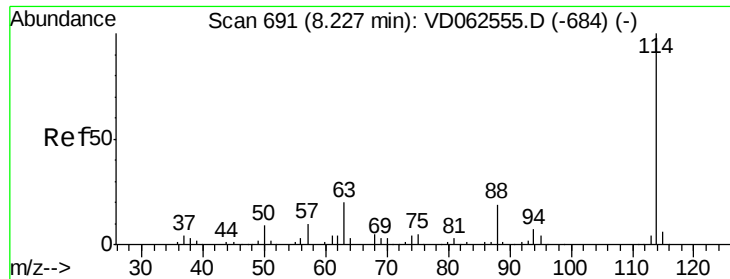
65 100

67 41.3 0.0 83.6



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

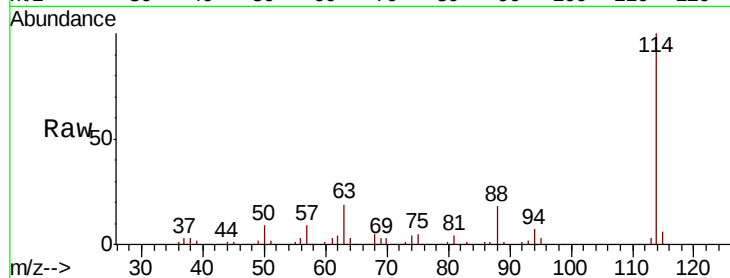




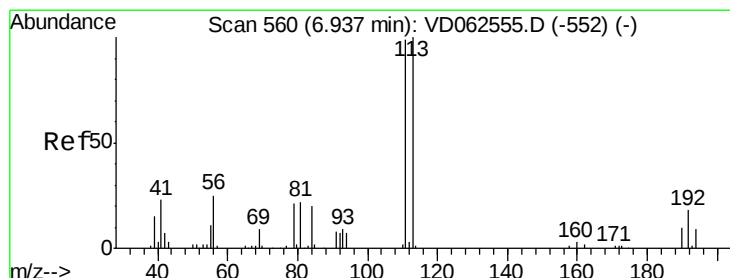
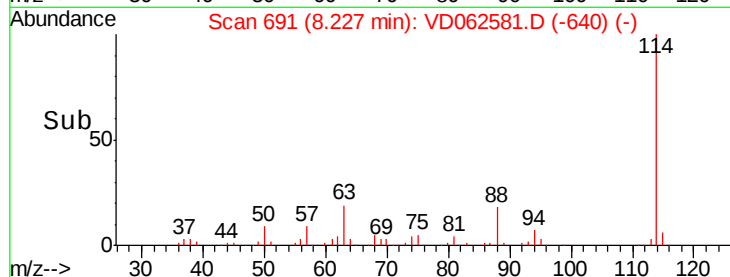
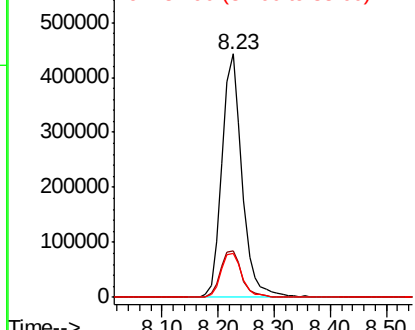
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD062581.D
 Acq: 3 Jun 2019 13:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1111446
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.6
 88 17.8 0.0 37.6

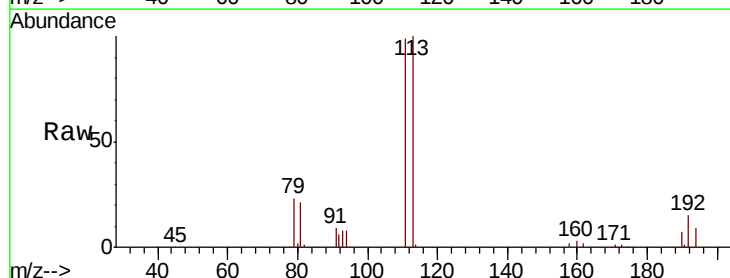


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

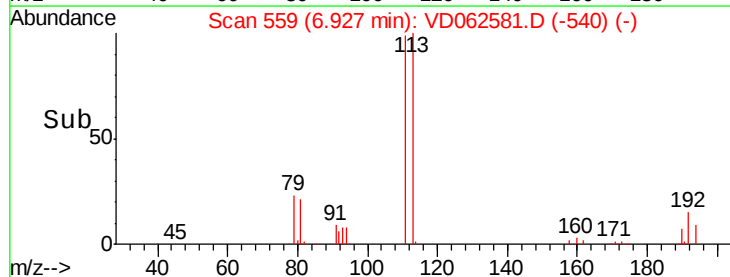
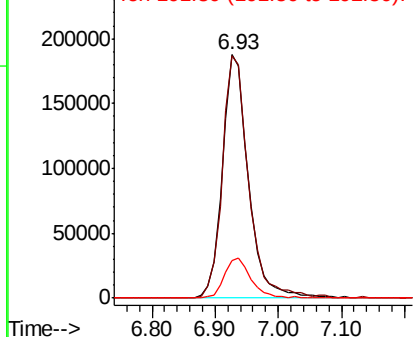


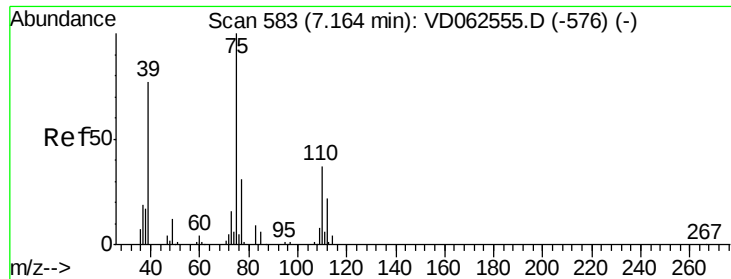
#35
 Dibromofluoromethane
 Concen: 52.928 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD062581.D
 Acq: 3 Jun 2019 13:05

Tgt Ion:113 Resp: 536064
 Ion Ratio Lower Upper
 113 100
 111 99.4 78.8 118.2
 192 15.2 14.6 22.0



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: 6.369 ug/l

RT: 7.05 min Scan# 571

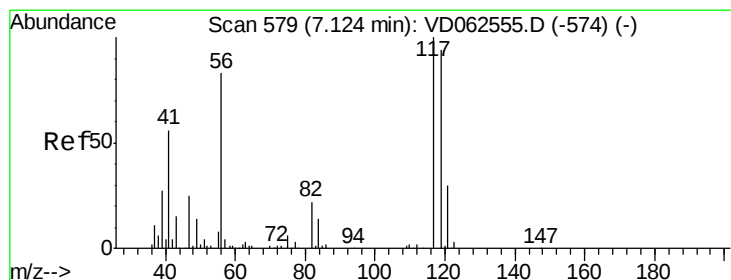
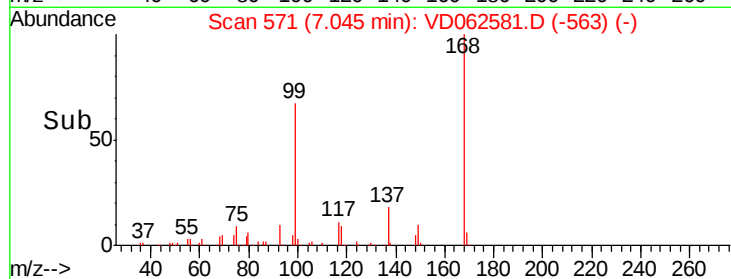
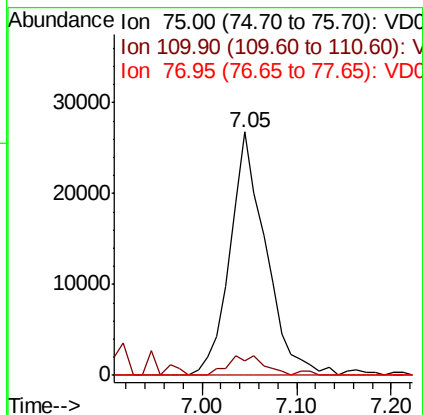
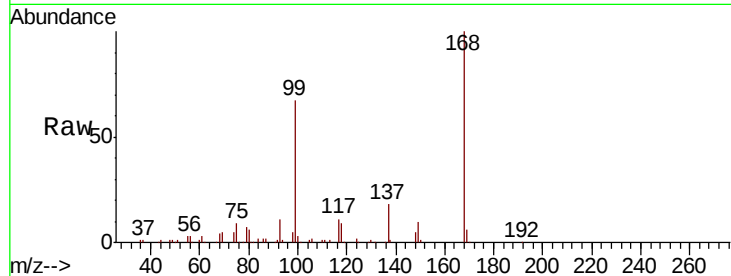
Delta R.T. -0.12 min

Lab File: VD062581.D

Acq: 3 Jun 2019 13:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 70471
Ion Ratio Lower Upper
75 100
110 5.9 18.3 54.8#
77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.320 ug/l

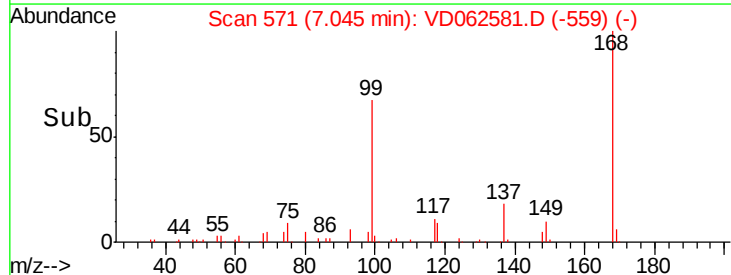
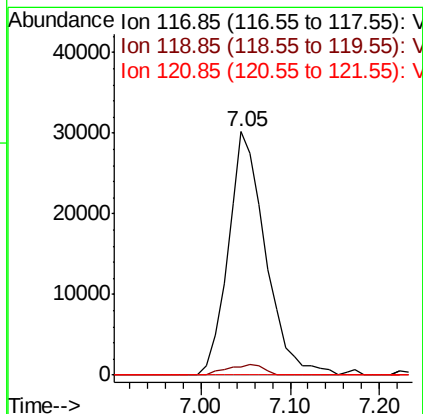
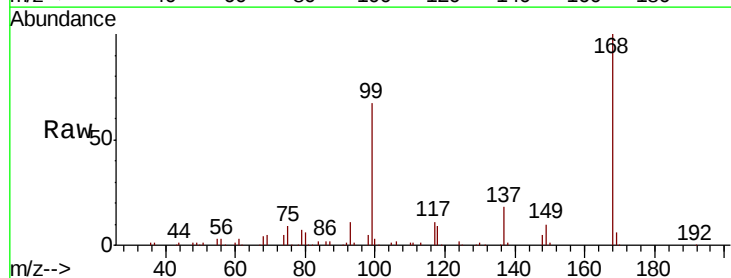
RT: 7.05 min Scan# 571

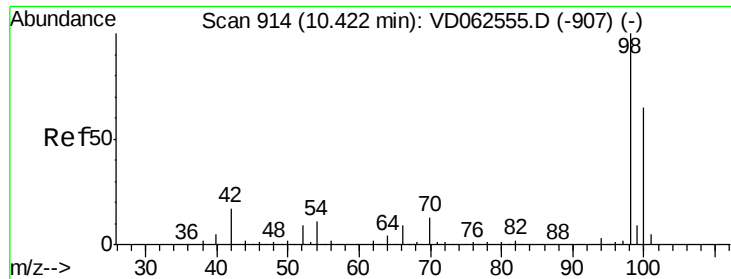
Delta R.T. -0.08 min

Lab File: VD062581.D

Acq: 3 Jun 2019 13:05

Tgt Ion: 117 Resp: 87636
Ion Ratio Lower Upper
117 100
119 3.2 71.4 107.2#
121 0.0 22.5 33.7#

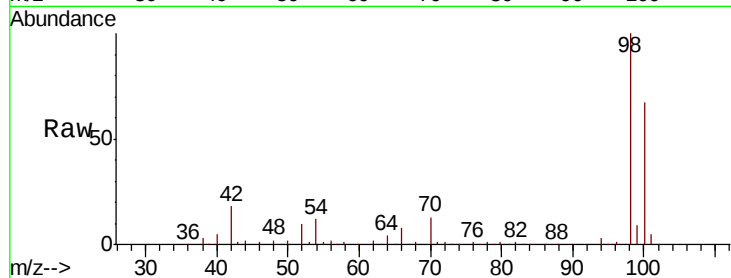




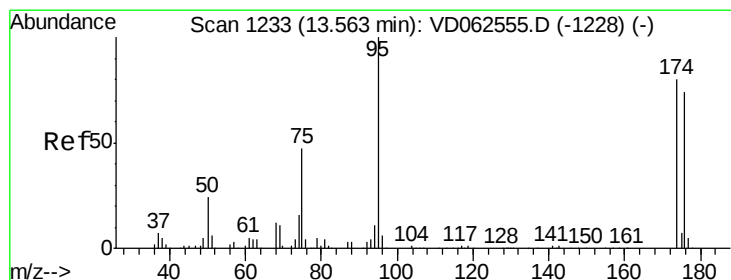
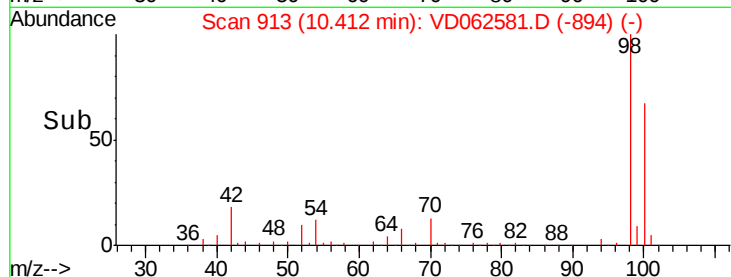
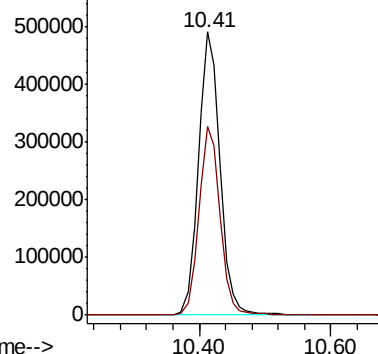
#50
Toluene-d8
Concen: 50.714 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD062581.D
Acq: 3 Jun 2019 13:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 1125403
Ion Ratio Lower Upper
98 100
100 66.7 52.3 78.5

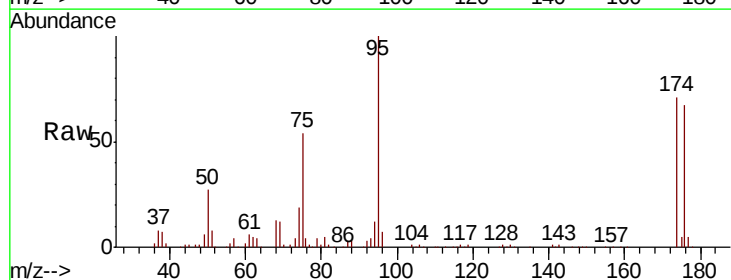


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

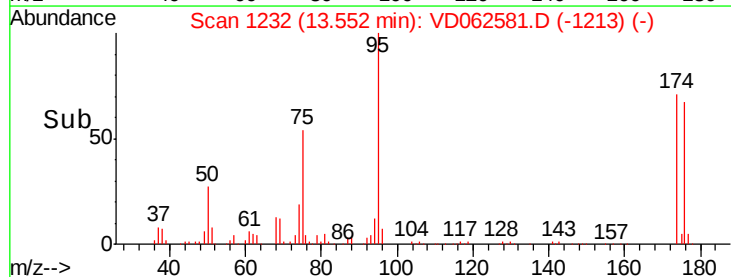
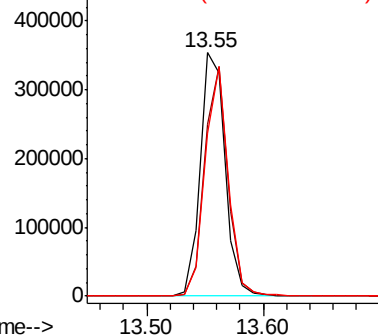


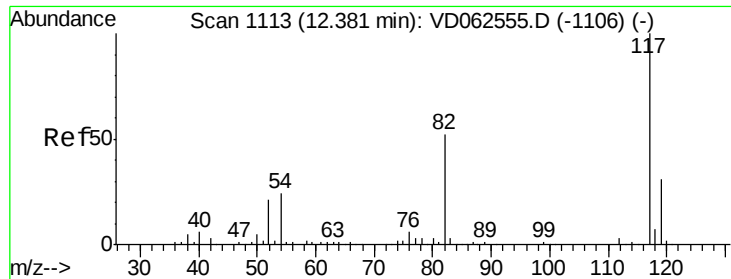
#62
4-Bromofluorobenzene
Concen: 52.271 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD062581.D
Acq: 3 Jun 2019 13:05

Tgt Ion: 95 Resp: 523109
Ion Ratio Lower Upper
95 100
174 70.9 0.0 160.2
176 66.8 0.0 148.0



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

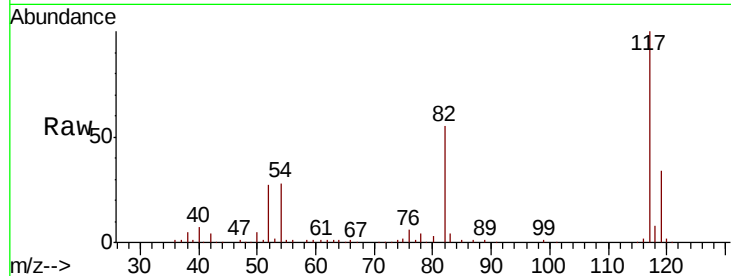




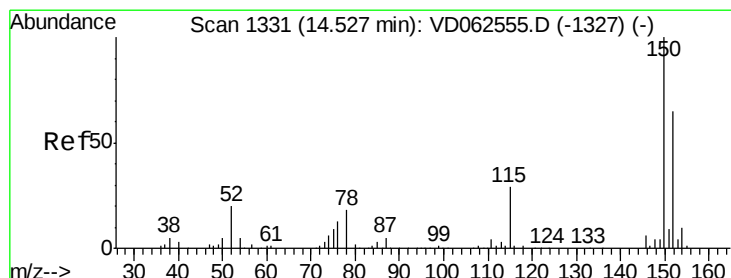
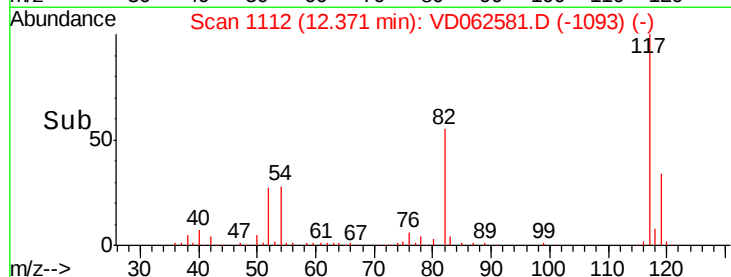
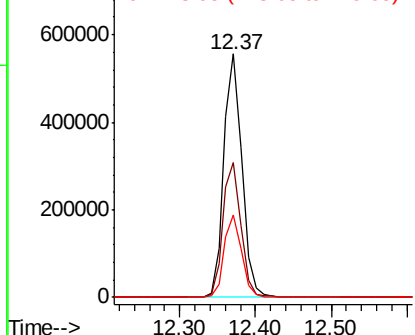
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062581.D
Acq: 3 Jun 2019 13:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 926823
Ion Ratio Lower Upper
117 100
82 55.4 41.4 62.2
119 33.9 24.9 37.3

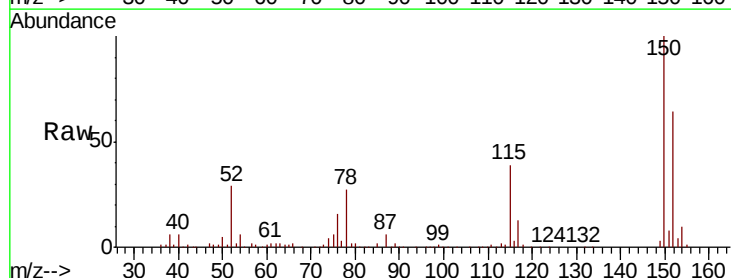


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

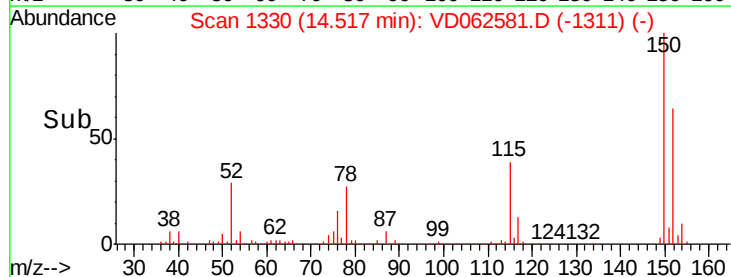
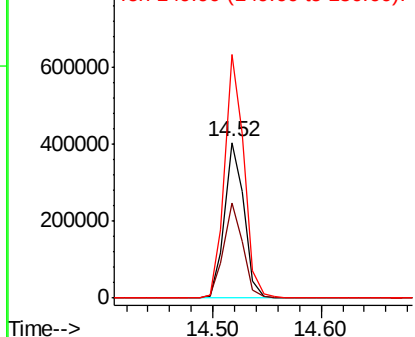


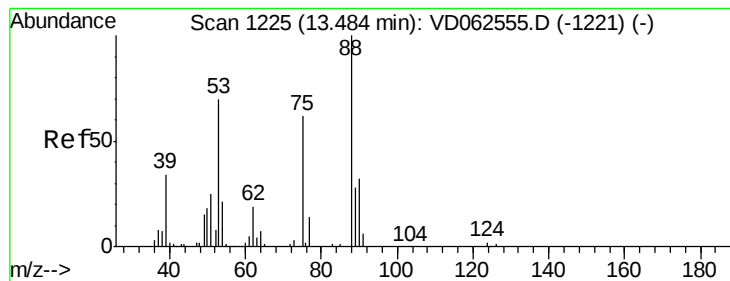
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062581.D
Acq: 3 Jun 2019 13:05

Tgt Ion:152 Resp: 509503
Ion Ratio Lower Upper
152 100
115 61.2 28.4 85.3
150 156.2 0.0 310.4



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: 150.938 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062581.D

Acq: 3 Jun 2019 13:05

Instrument :

MSVOA_D

ClientSampleId :

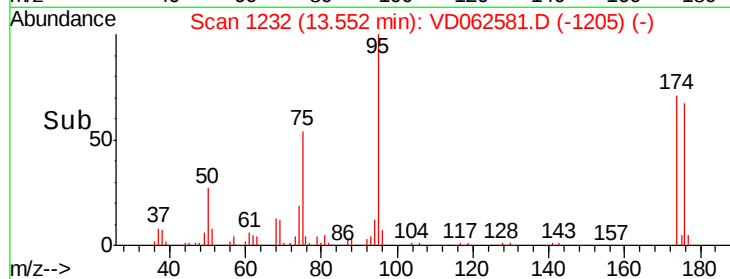
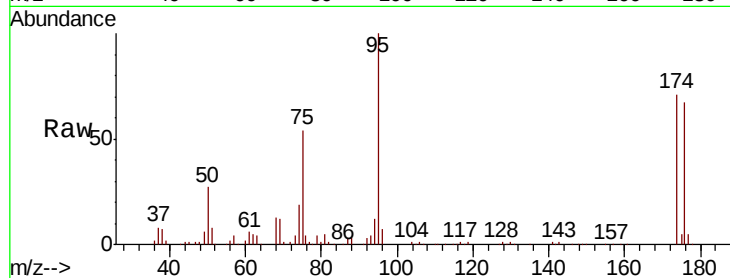
Tot Ion: 75 Resp: 264368

Ion Ratio Lower Upper

75 100

53 0.0 91.0 136.4#

89 0.0 36.9 55.3#



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

