

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD06343.D
 Acq On : 3 Aug 2019 5:05
 Operator : VA/AP
 Sample : K4129-04
 Misc : 5.64g/5ml/MSVOA_D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 03:45:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	923135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1322401	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1000116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	449951	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	525699	51.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.64%	
35) Dibromofluoromethane	6.92	113	547420	48.49	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.98%	
50) Toluene-d8	10.40	98	1122874	44.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.88%	
62) 4-Bromofluorobenzene	13.55	95	420840	36.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.10%	

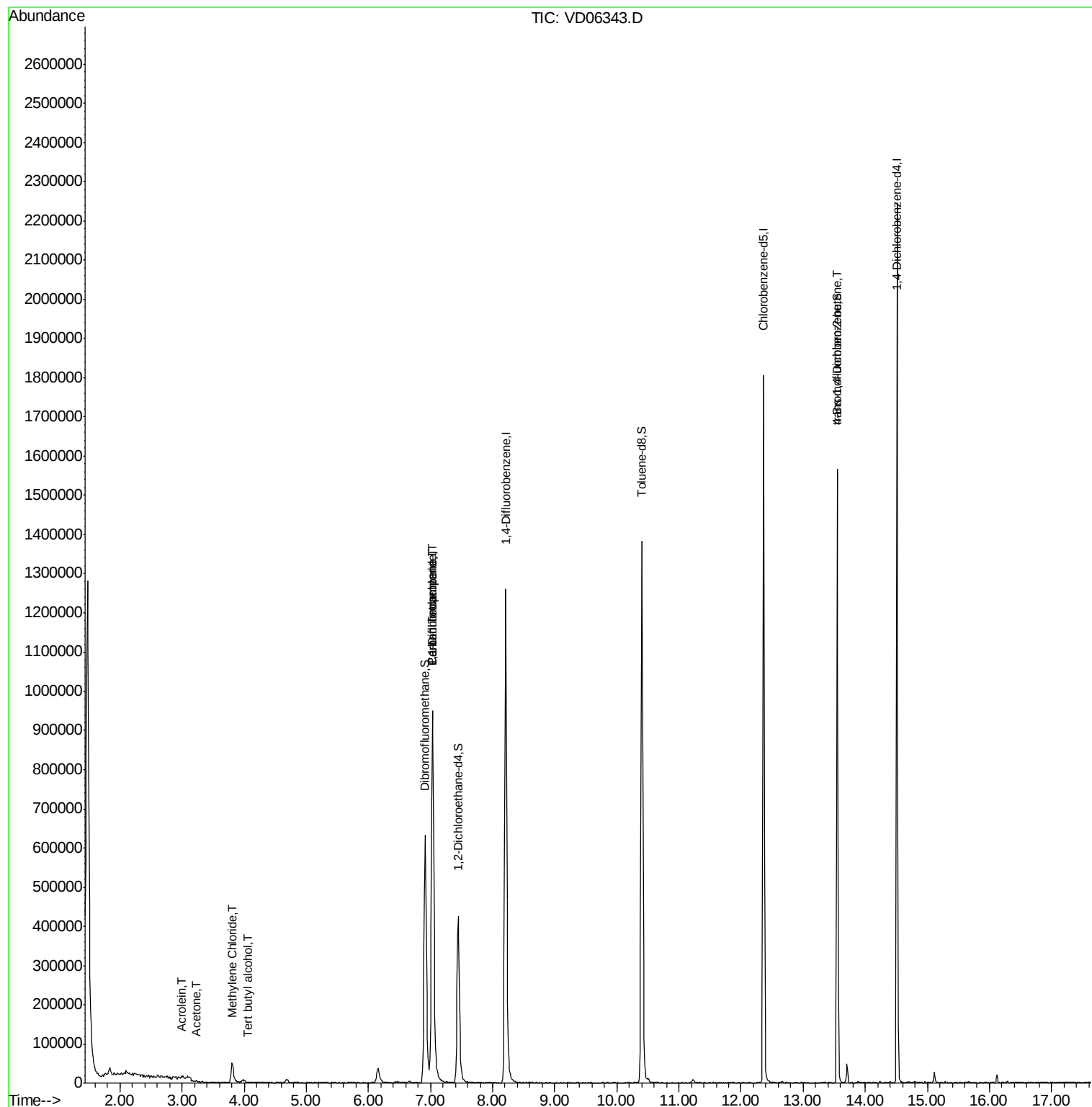
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	1231	2.739	ug/l #	69
13) Acrolein	3.00	56	649	1.500	ug/l #	15
16) Acetone	3.21	43	5177	2.594	ug/l #	62
20) Methylene Chloride	3.80	84	31845	3.948	ug/l #	89
36) 1,1-Dichloropropene	7.03	75	72858	6.037	ug/l #	50
38) Carbon Tetrachloride	7.03	117	90041	4.956	ug/l #	13
81) trans-1,4-Dichloro-2-buten	13.55	75	196871	131.185	ug/l #	3

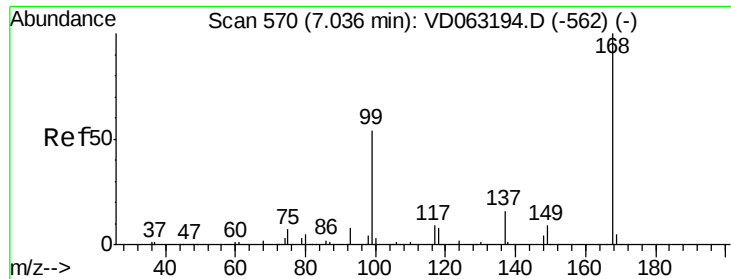
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD06343.D

Acq: 3 Aug 2019 5:05

Instrument :

MSVOA_D

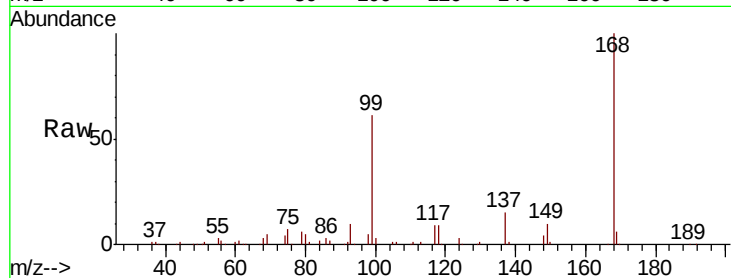
ClientSampleId :

Tgt Ion: 168 Resp: 923135

Ion Ratio Lower Upper

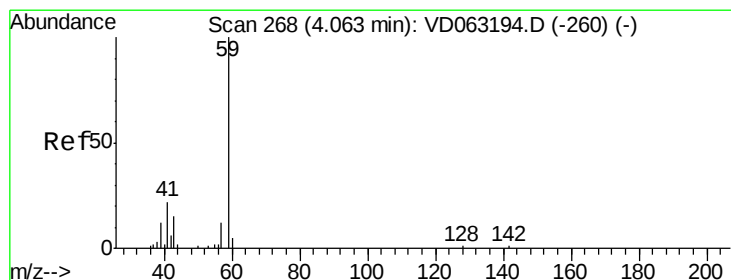
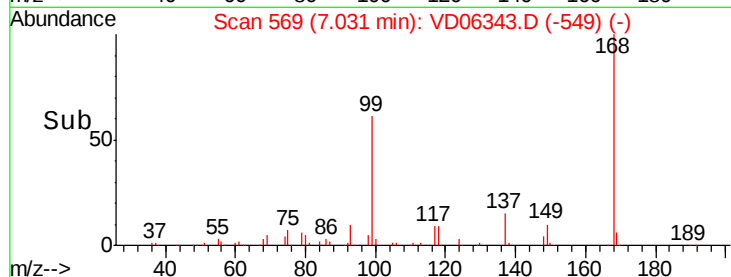
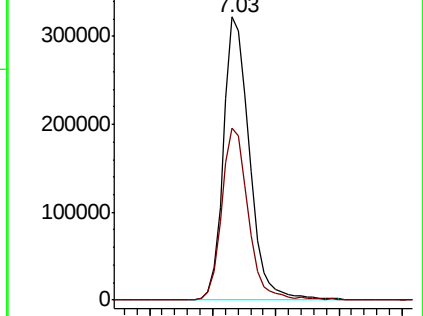
168 100

99 60.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.739 ug/l

RT: 4.06 min Scan# 267

Delta R.T. -0.01 min

Lab File: VD06343.D

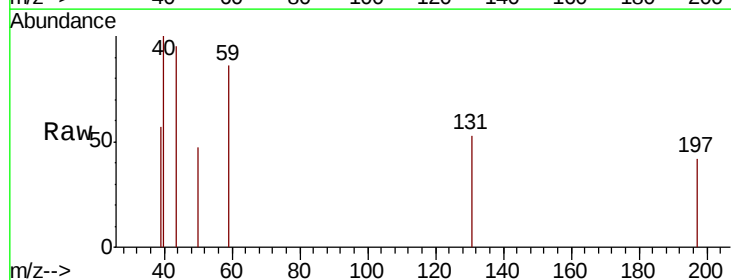
Acq: 3 Aug 2019 5:05

Tgt Ion: 59 Resp: 1231

Ion Ratio Lower Upper

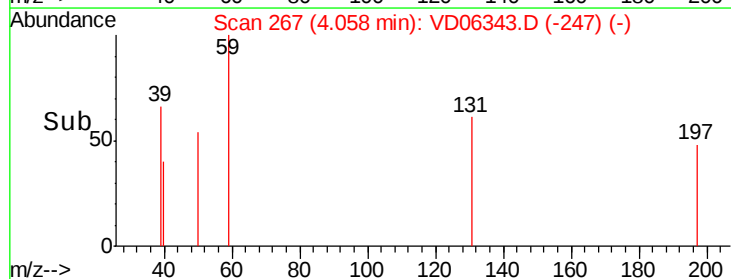
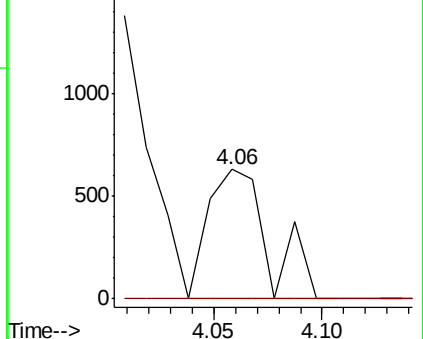
59 100

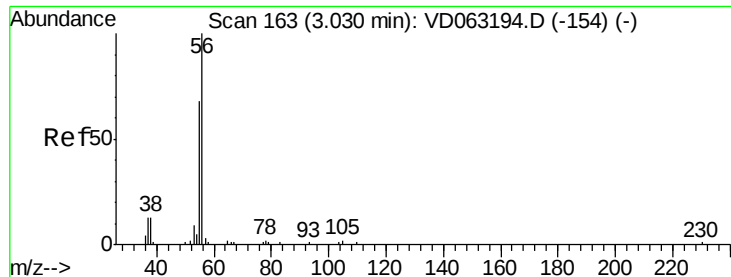
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.500 ug/l

RT: 3.00 min Scan# 160

Delta R.T. -0.02 min

Lab File: VD06343.D

Acq: 3 Aug 2019 5:05

Instrument :

MSVOA_D

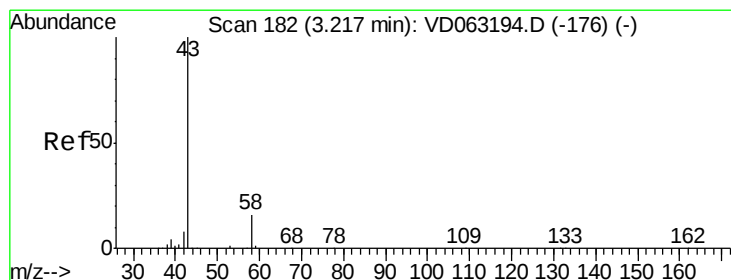
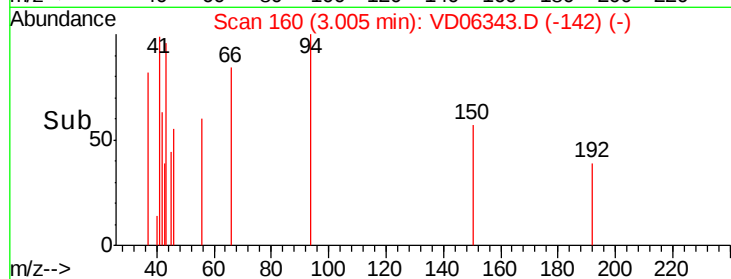
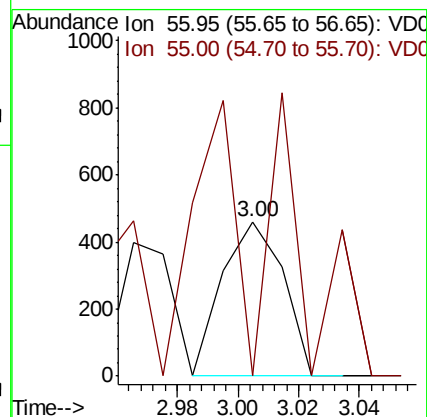
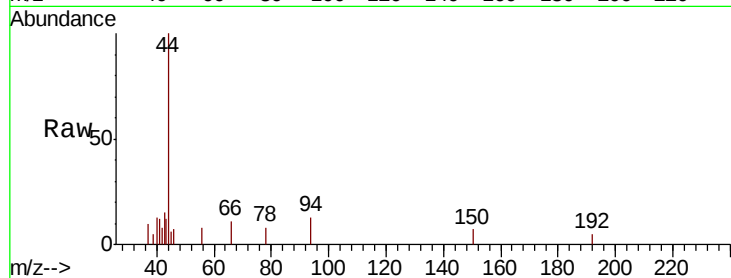
ClientSampleId :

Tgt Ion: 56 Resp: 649

Ion Ratio Lower Upper

56 100

55 0.0 55.3 82.9#



#16

Acetone

Concen: 2.594 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD06343.D

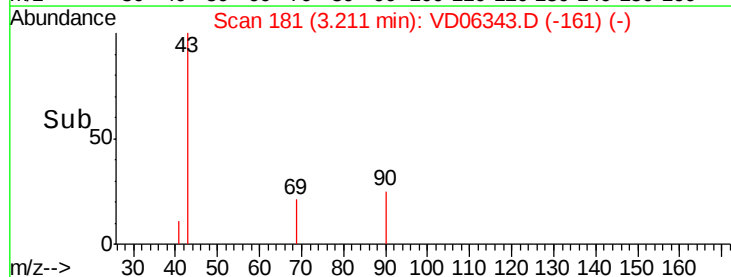
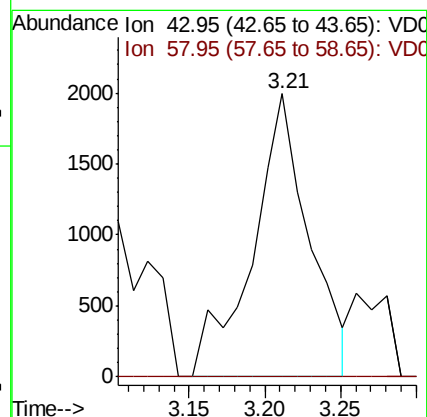
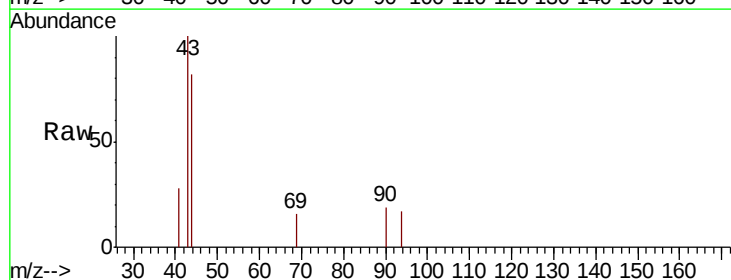
Acq: 3 Aug 2019 5:05

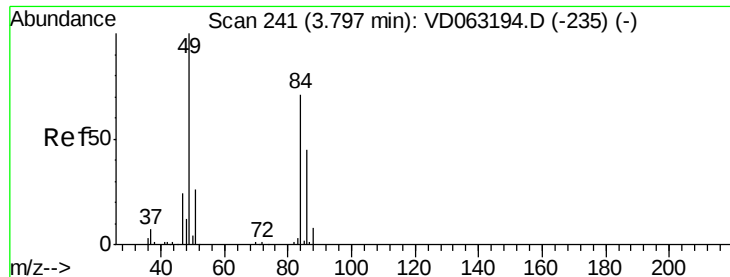
Tgt Ion: 43 Resp: 5177

Ion Ratio Lower Upper

43 100

58 0.0 13.0 19.4#

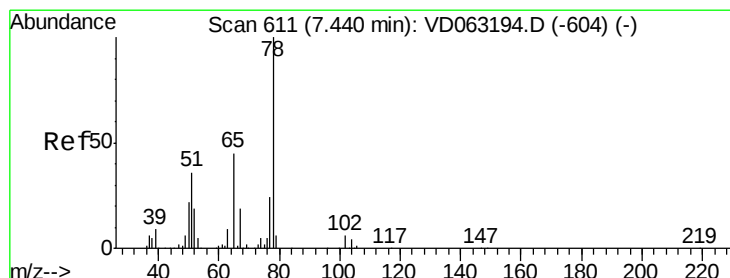
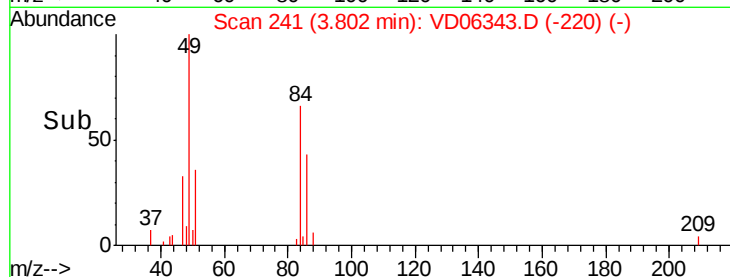
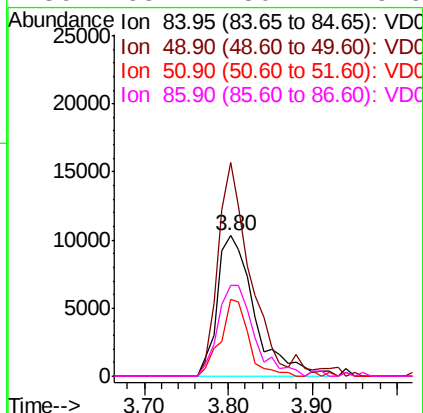
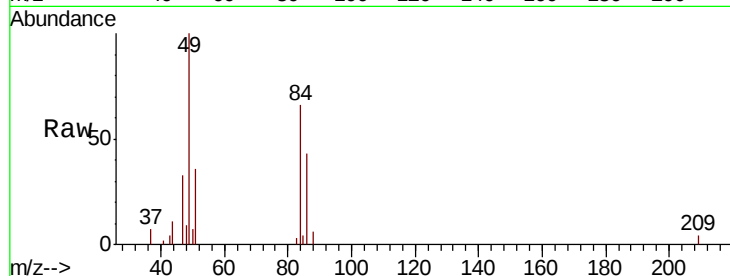




#20
Methylene Chloride
Concen: 3.948 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD06343.D
Acq: 3 Aug 2019 5:05

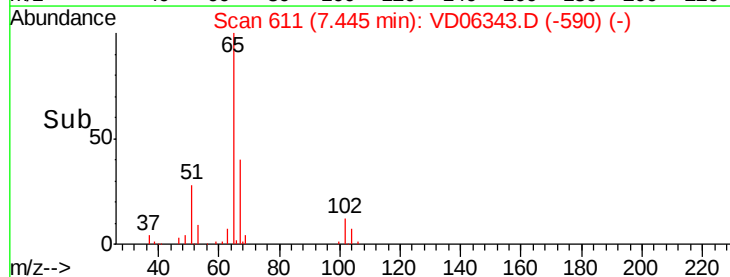
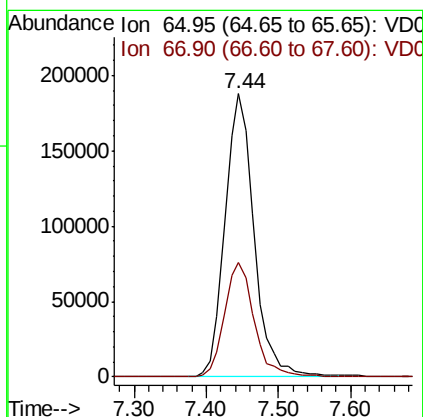
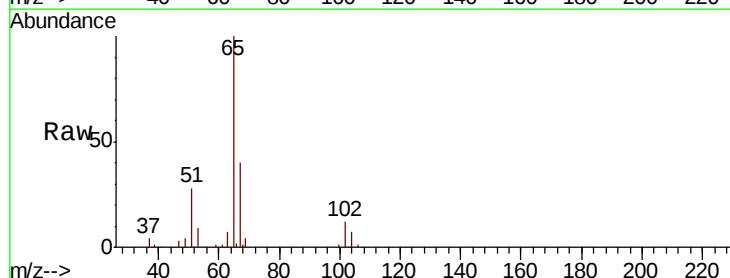
Instrument :
MSVOA_D
ClientSampled :

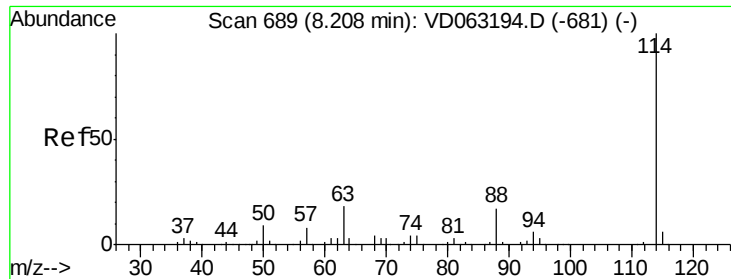
Tgt Ion: 84 Resp: 31845
Ion Ratio Lower Upper
84 100
49 152.2 112.5 168.7
51 54.5 29.6 44.4#
86 65.2 50.4 75.6



#33
1,2-Dichloroethane-d4
Concen: 51.322 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD06343.D
Acq: 3 Aug 2019 5:05

Tgt Ion: 65 Resp: 525699
Ion Ratio Lower Upper
65 100
67 40.3 0.0 85.8

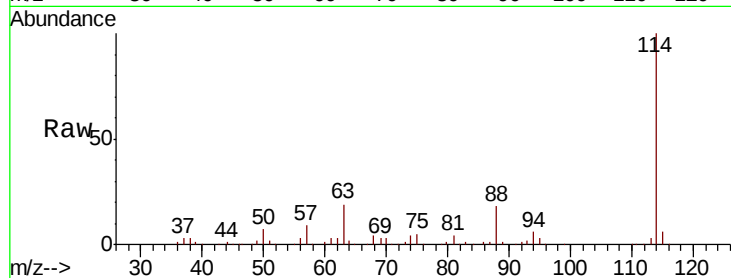




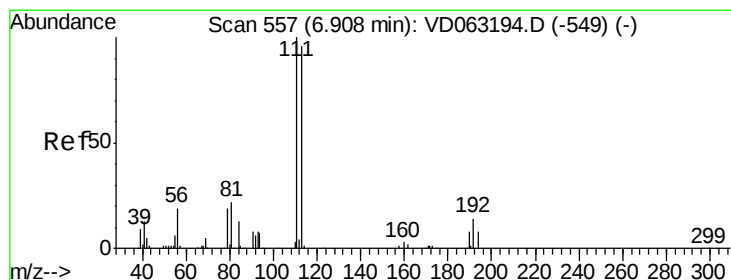
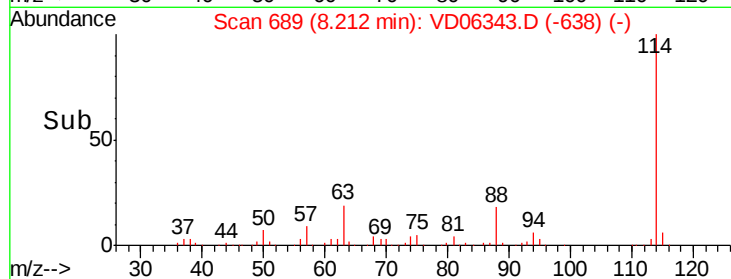
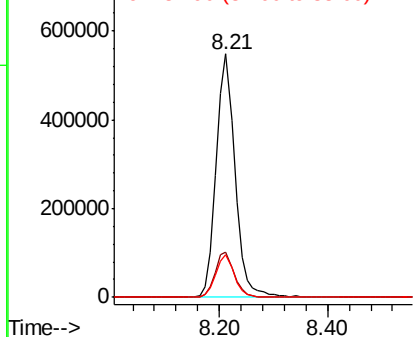
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD06343.D
 Acq: 3 Aug 2019 5:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:114 Resp: 1322401
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.2
 88 17.7 0.0 34.6

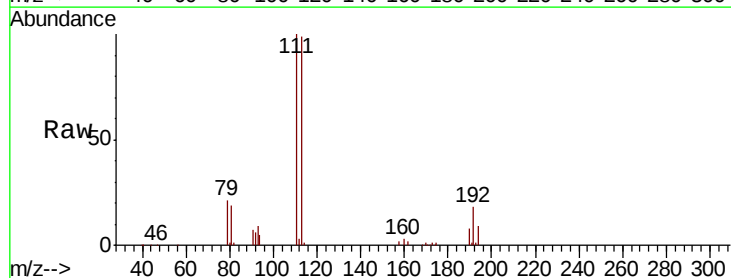


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

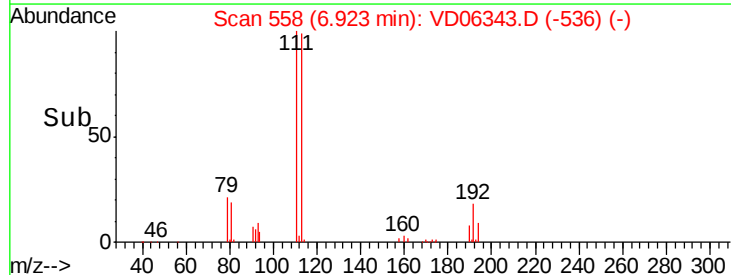
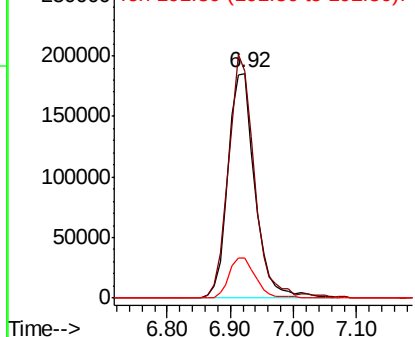


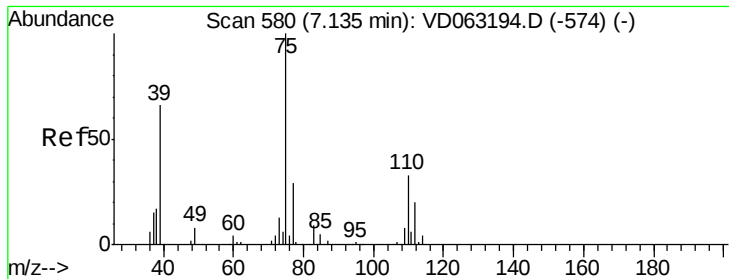
#35
 Dibromofluoromethane
 Concen: 48.485 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD06343.D
 Acq: 3 Aug 2019 5:05

Tgt Ion:113 Resp: 547420
 Ion Ratio Lower Upper
 113 100
 111 101.1 83.2 124.8
 192 17.8 11.8 17.8#



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: 6.037 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD06343.D

Acq: 3 Aug 2019 5:05

Instrument :

MSVOA_D

ClientSampled :

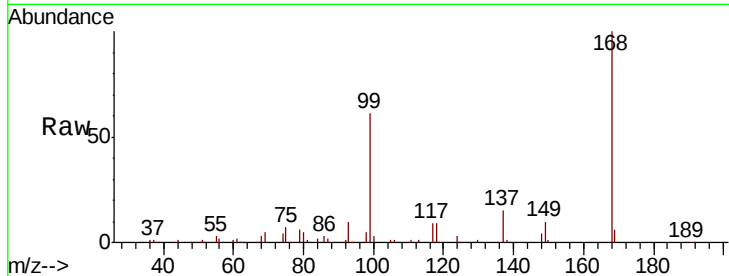
Tgt Ion: 75 Resp: 72858

Ion Ratio Lower Upper

75 100

110 6.4 16.1 48.2#

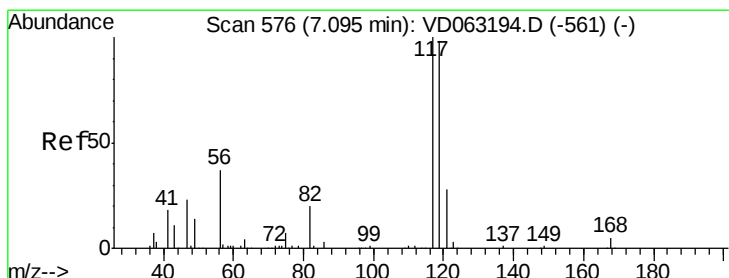
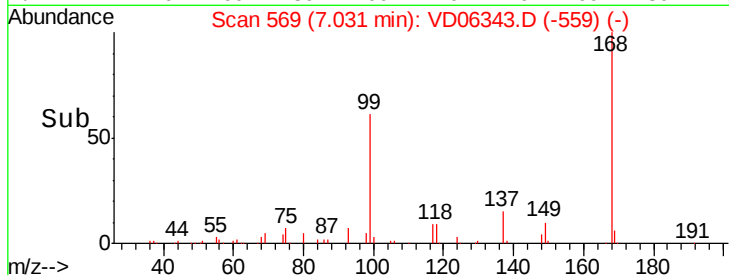
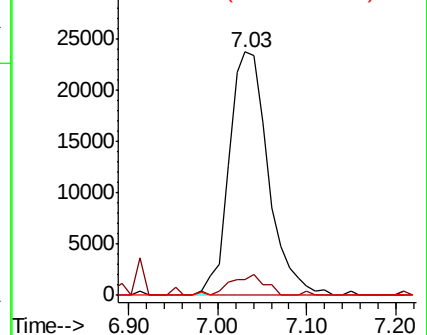
77 0.0 22.7 34.1#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 4.956 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.06 min

Lab File: VD06343.D

Acq: 3 Aug 2019 5:05

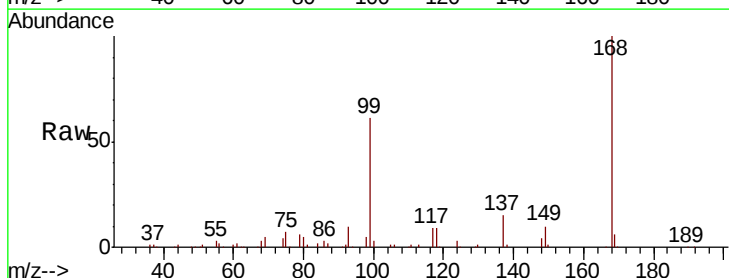
Tgt Ion: 117 Resp: 90041

Ion Ratio Lower Upper

117 100

119 2.8 78.2 117.2#

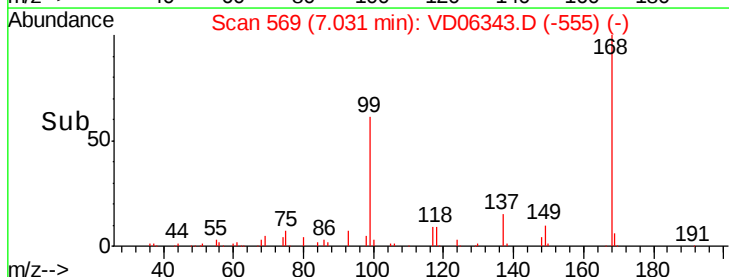
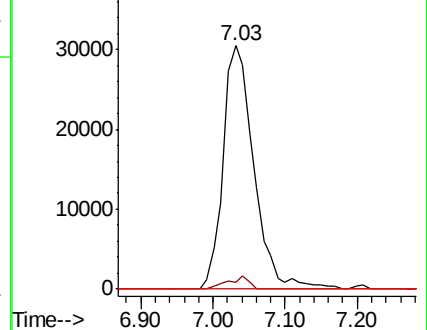
121 0.0 22.1 33.1#

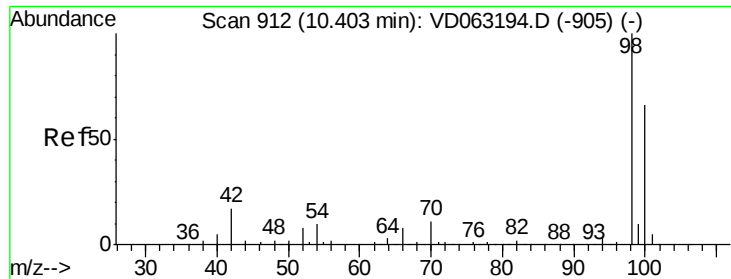


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

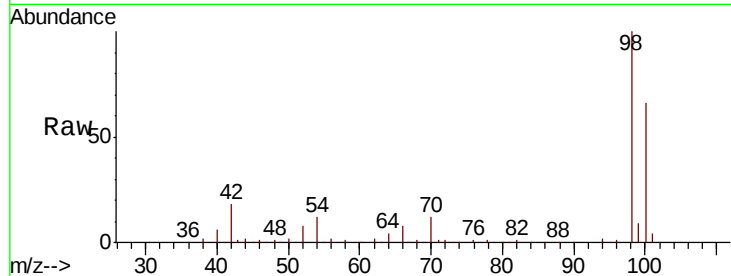




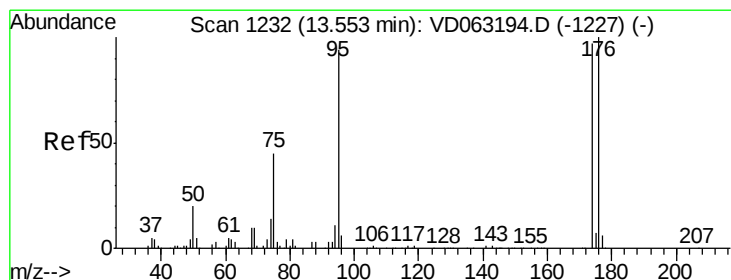
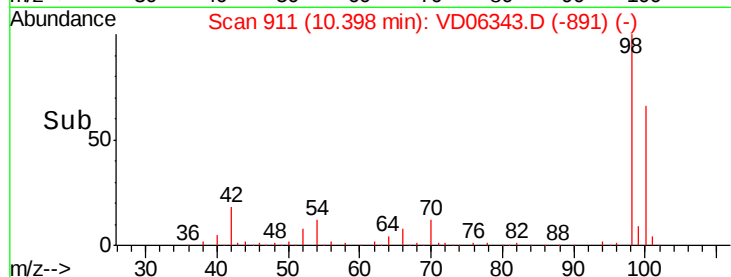
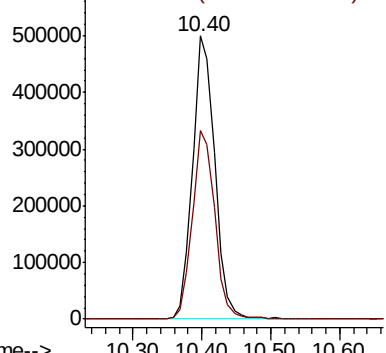
#50
Toluene-d8
Concen: 44.439 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD06343.D
Acq: 3 Aug 2019 5:05

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 98 Resp: 1122874
Ion Ratio Lower Upper
98 100
100 66.4 53.2 79.8

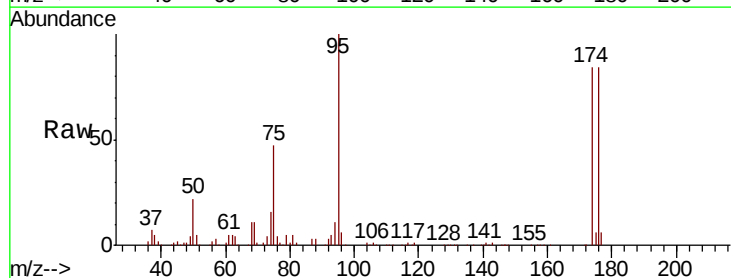


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

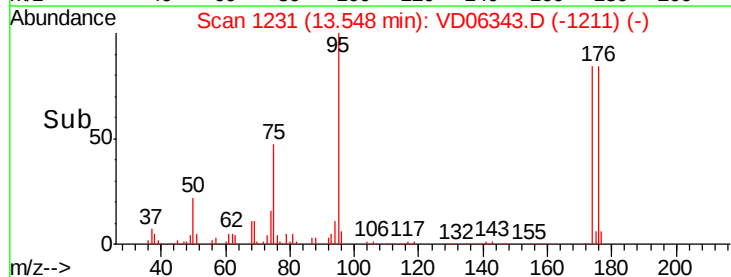
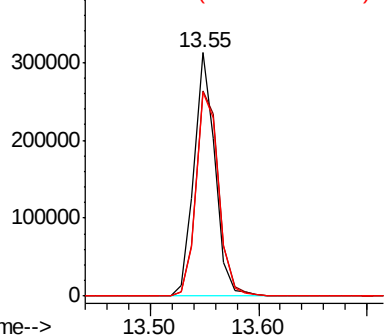


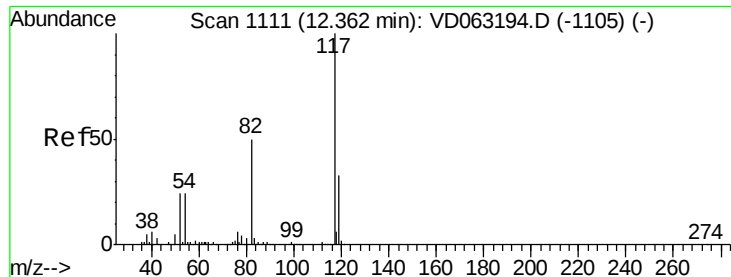
#62
4-Bromofluorobenzene
Concen: 36.549 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD06343.D
Acq: 3 Aug 2019 5:05

Tgt Ion: 95 Resp: 420840
Ion Ratio Lower Upper
95 100
174 84.4 0.0 205.4
176 83.8 0.0 211.8



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

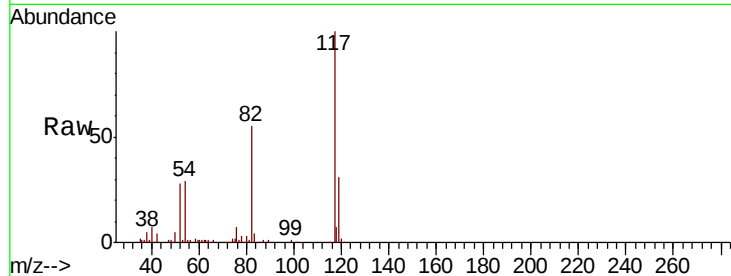




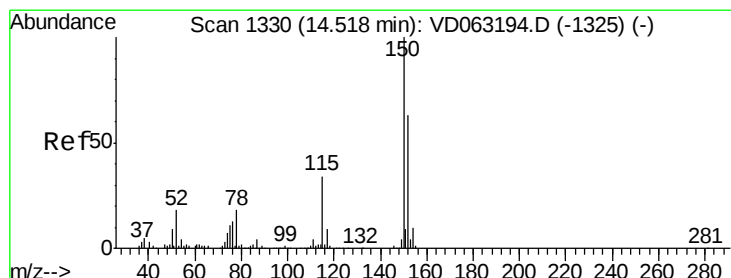
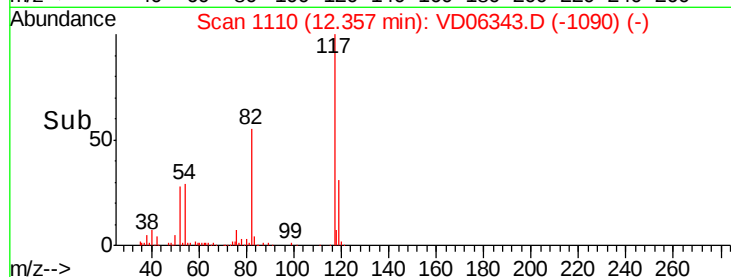
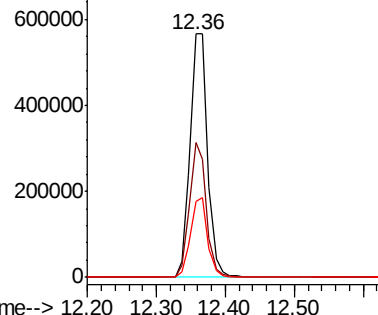
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD06343.D
Acq: 3 Aug 2019 5:05

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 1000116
Ion Ratio Lower Upper
117 100
82 55.2 40.1 60.1
119 31.0 26.5 39.7

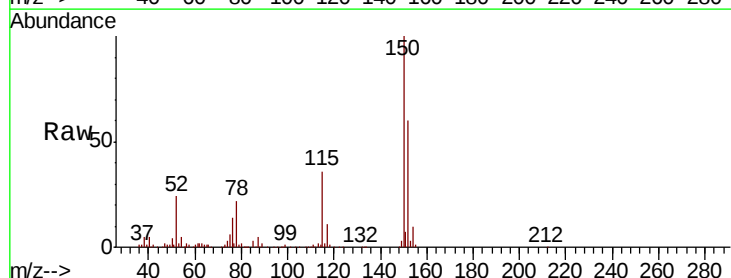


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

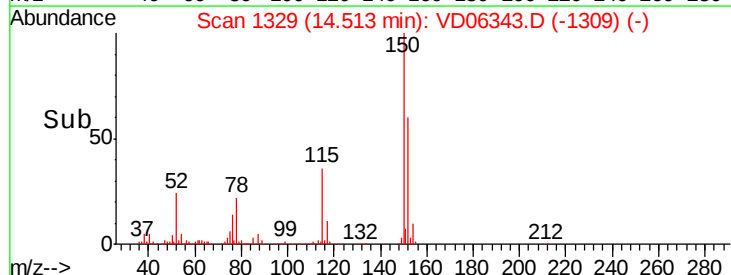
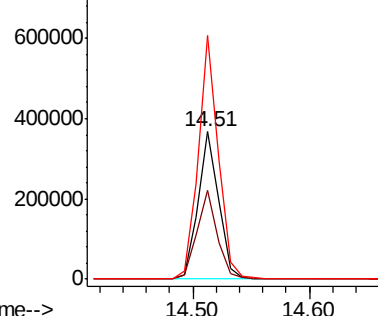


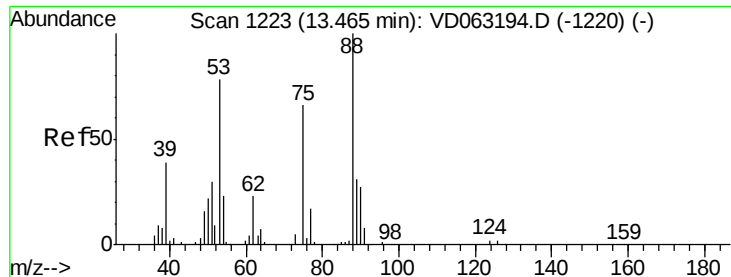
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD06343.D
Acq: 3 Aug 2019 5:05

Tgt Ion:152 Resp: 449951
Ion Ratio Lower Upper
152 100
115 60.1 27.5 82.4
150 165.5 0.0 320.6



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: 131.185 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

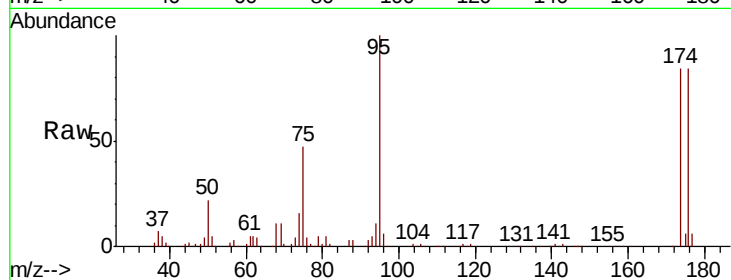
Lab File: VD06343.D

Acq: 3 Aug 2019 5:05

Instrument :

MSVOA_D

ClientSampleId :



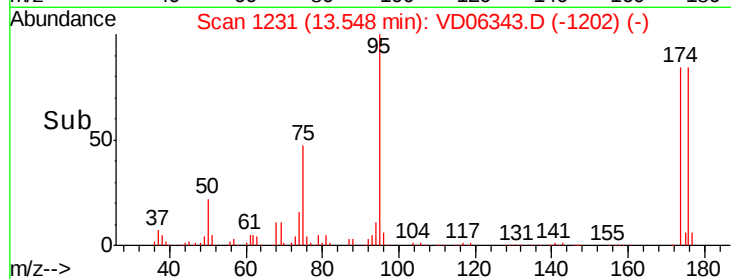
Tgt Ion: 75 Resp: 196871

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



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

