

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
 Data File : VD067372.D
 Acq On : 23 Oct 2020 10:34
 Operator : VA/SY
 Sample : VD1023SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBL01

Quant Time: Oct 24 07:17:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	351755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	574848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	560897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	272060	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	182574	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
35) Dibromofluoromethane	7.92	113	182908	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
50) Toluene-d8	10.34	98	669005	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
62) 4-Bromofluorobenzene	12.64	95	237900	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	

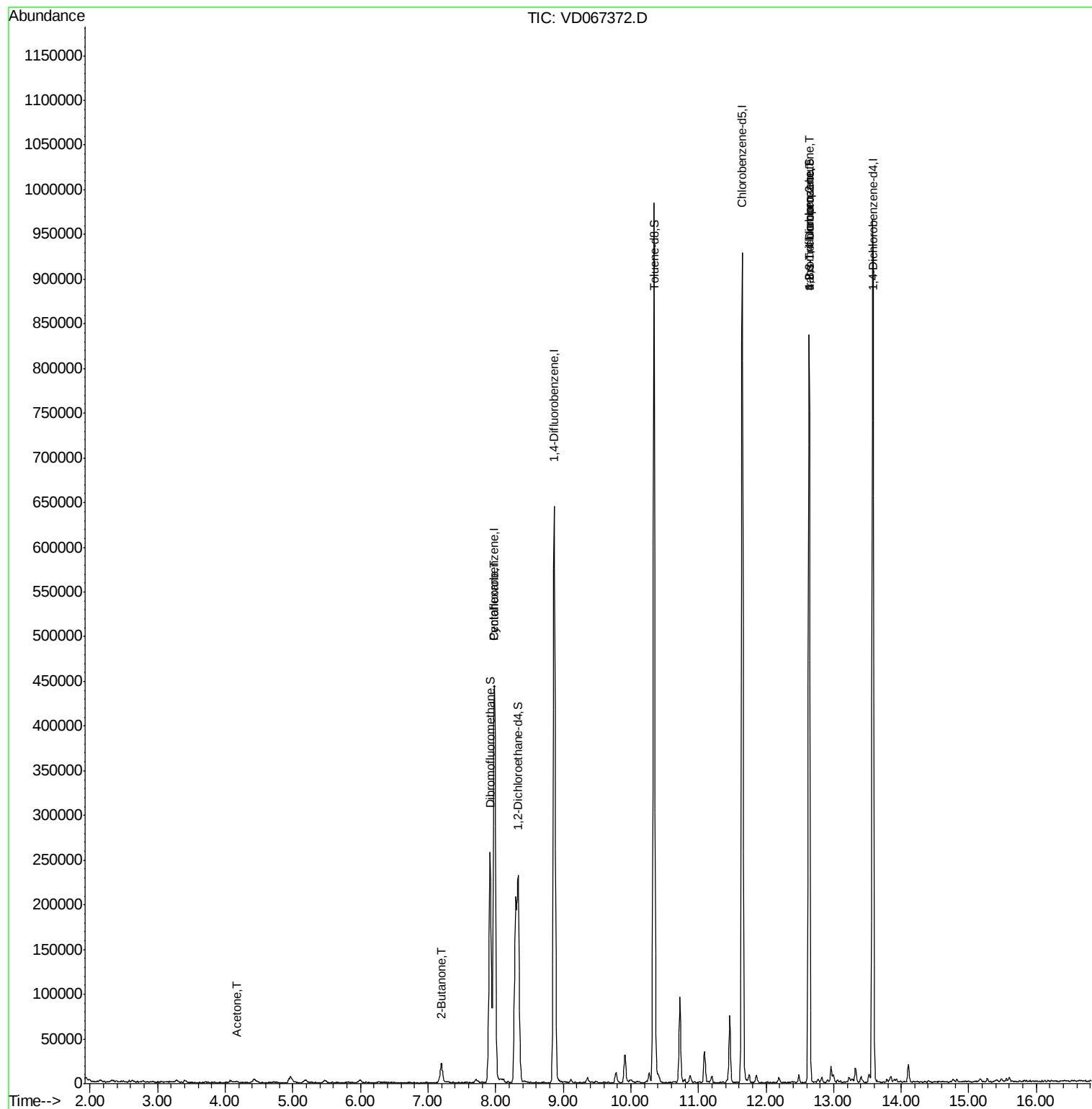
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1381	Below Cal		97
5) Bromomethane	2.77	94	999	Below Cal	#	77
11) Tert butyl alcohol	5.24	59	195	Below Cal	#	81
16) Acetone	4.17	43	1951	3.953	ug/l	97
20) Methylene Chloride	4.96	84	6750	Below Cal	#	81
25) 2-Butanone	7.20	43	796	1.415	ug/l	# 45
31) Cyclohexane	7.98	56	8168	2.012	ug/l	# 20
76) 1,2,3-Trichloropropane	12.64	75	126082	66.865	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	126082	151.629	ug/l	# 10

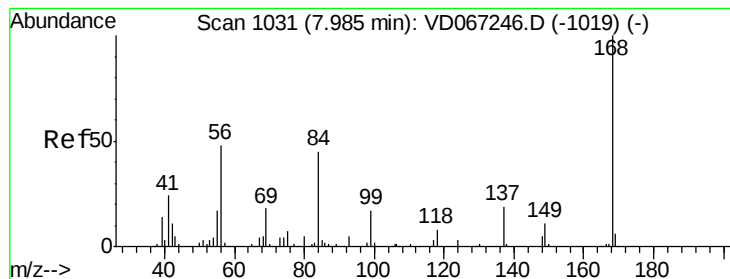
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102320\
Data File : VD067372.D
Acq On : 23 Oct 2020 10:34
Operator : VA/SY
Sample : VD1023SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBL01

Quant Time: Oct 24 07:17:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067372.D

Acq: 23 Oct 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

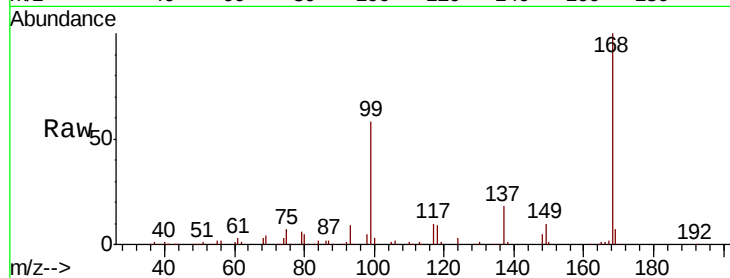
VD1023SBL01

Tot Ion:168 Resp: 351755

Ion Ratio Lower Upper

168 100

99 57.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

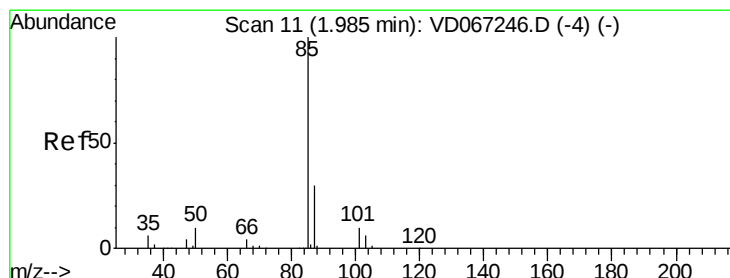
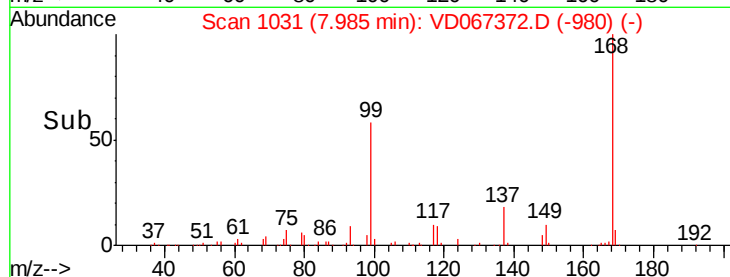
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067372.D

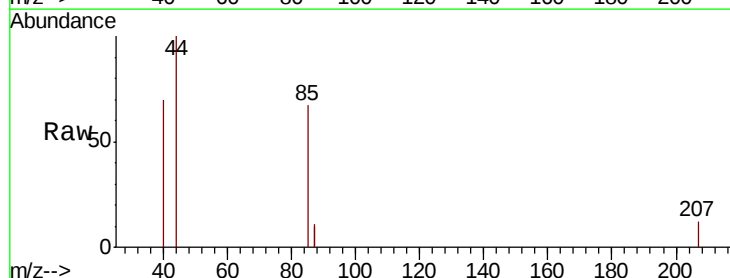
Acq: 23 Oct 2020 10:34

Tgt Ion: 85 Resp: 1381

Ion Ratio Lower Upper

85 100

87 32.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

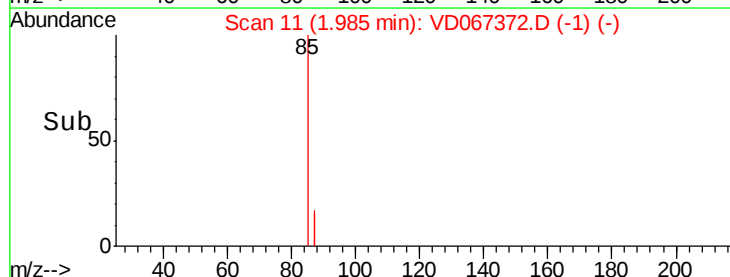
1500

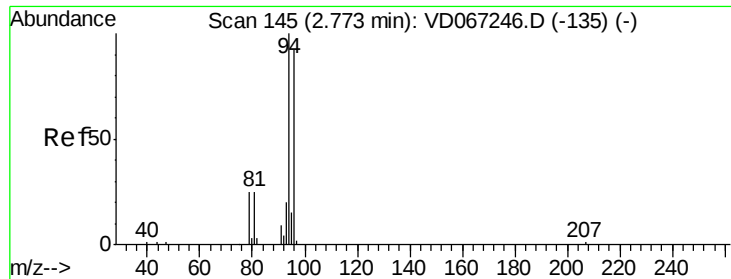
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067372.D

Acq: 23 Oct 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

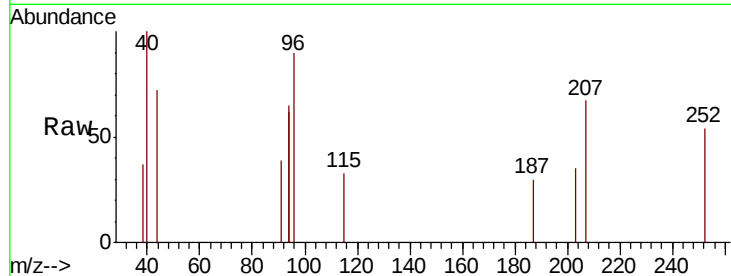
VD1023SBL01

Tot Ion: 94 Resp: 999

Ion Ratio Lower Upper

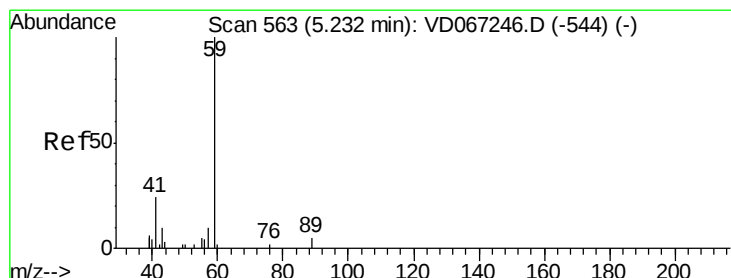
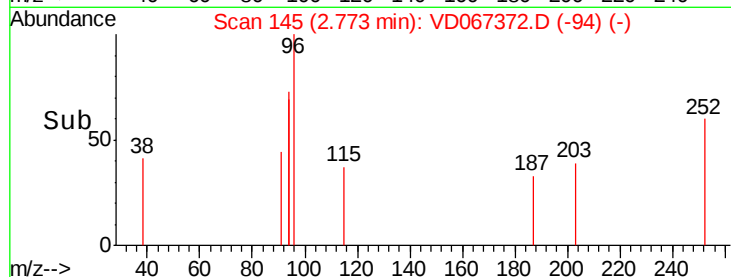
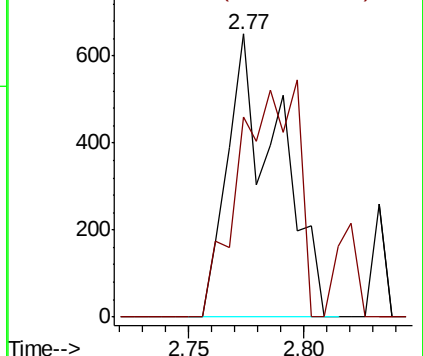
94 100

96 70.5 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 564

Delta R.T. 0.01 min

Lab File: VD067372.D

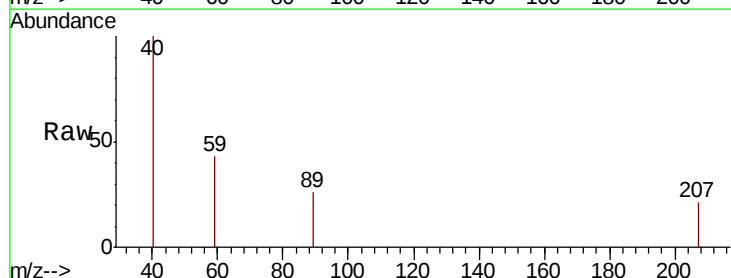
Acq: 23 Oct 2020 10:34

Tgt Ion: 59 Resp: 195

Ion Ratio Lower Upper

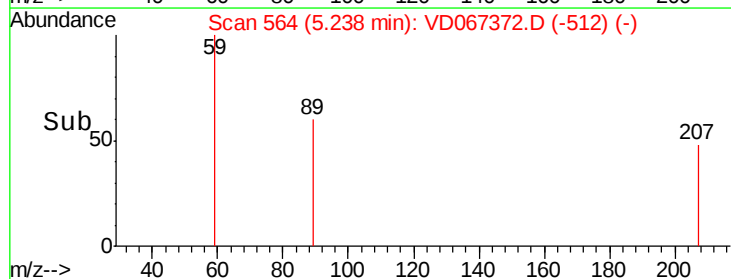
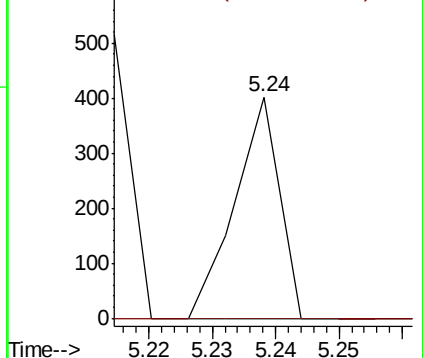
59 100

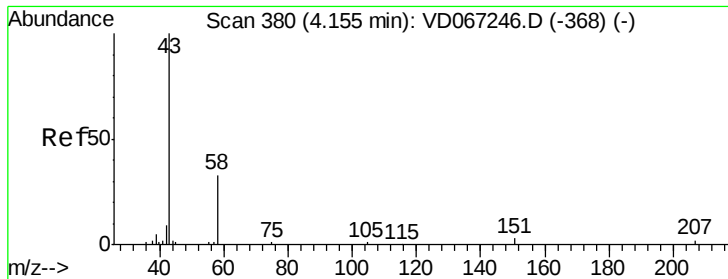
57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 3.953 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067372.D

Acq: 23 Oct 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

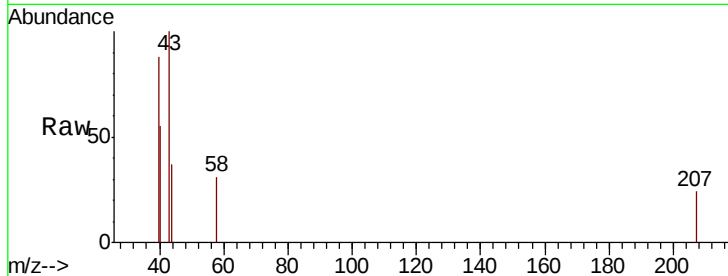
VD1023SBL01

Tot Ion: 43 Resp: 1951

Ion Ratio Lower Upper

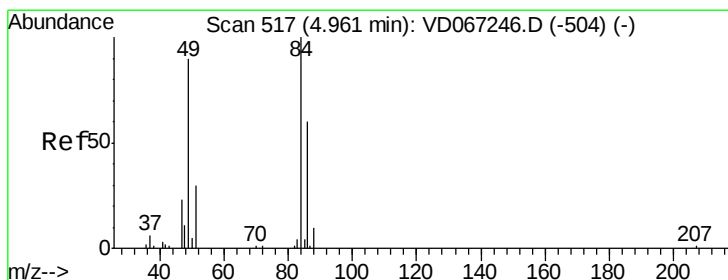
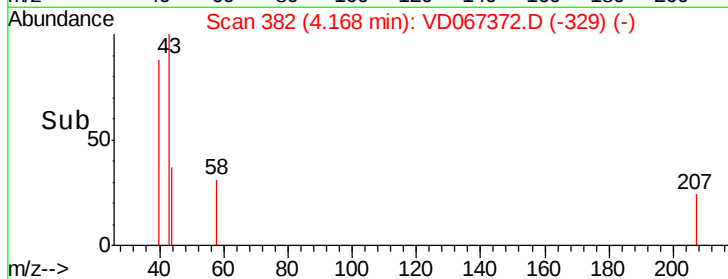
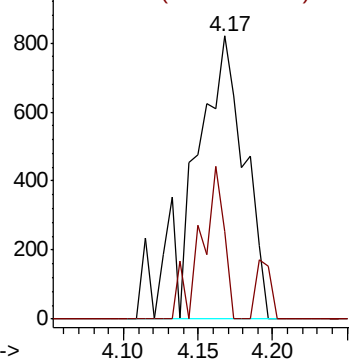
43 100

58 30.7 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067372.D

Acq: 23 Oct 2020 10:34

Tgt Ion: 84 Resp: 6750

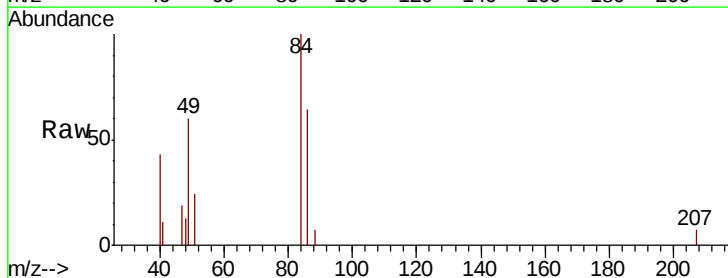
Ion Ratio Lower Upper

84 100

49 59.5 72.2 108.2#

51 24.0 23.8 35.8

86 63.5 48.2 72.4

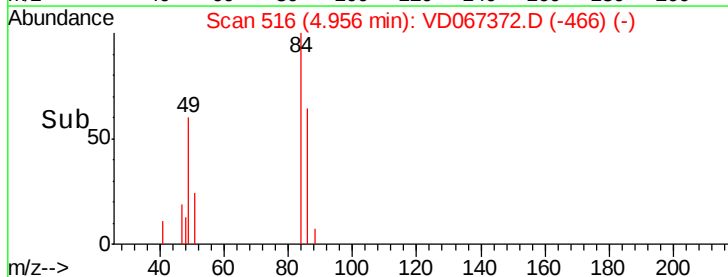
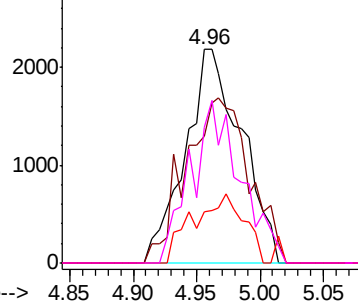


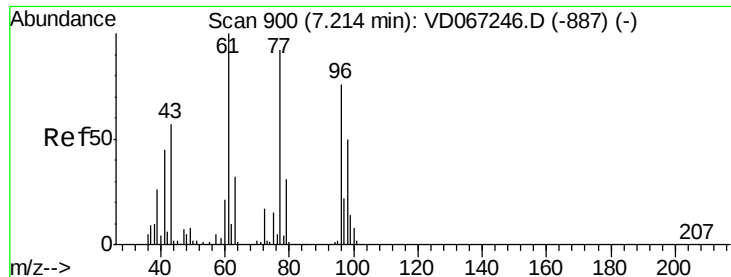
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

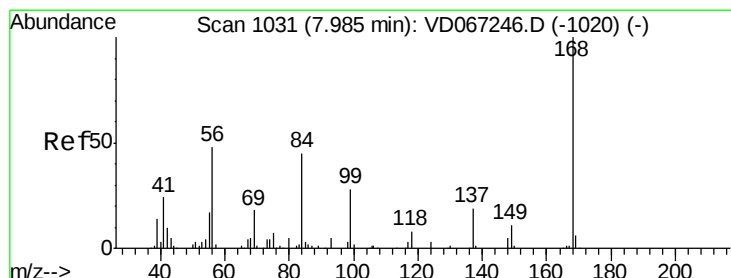
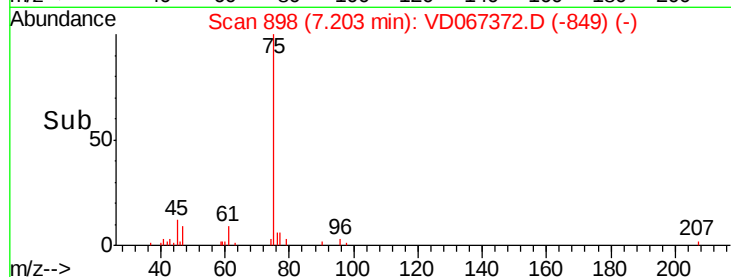
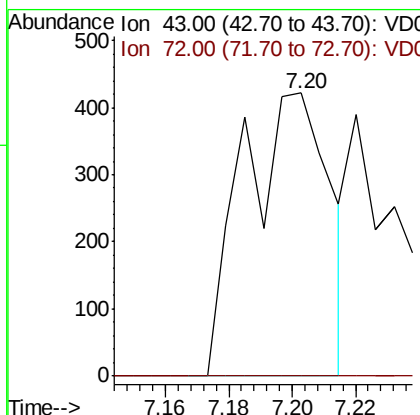
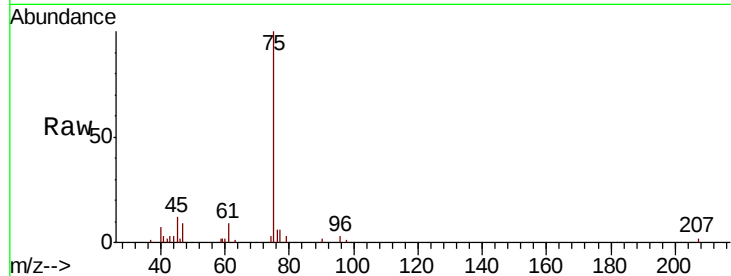




#25
2-Butanone
Concen: 1.415 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067372.D
Acq: 23 Oct 2020 10:34

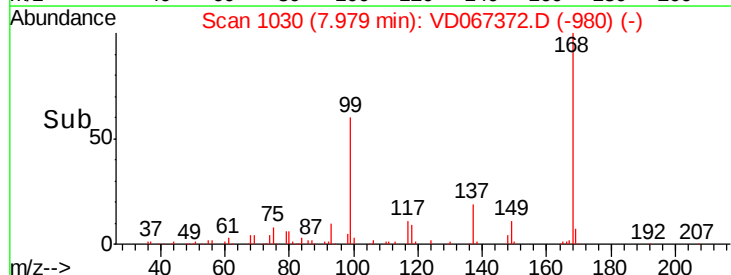
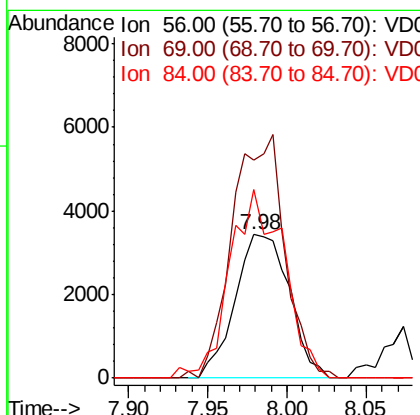
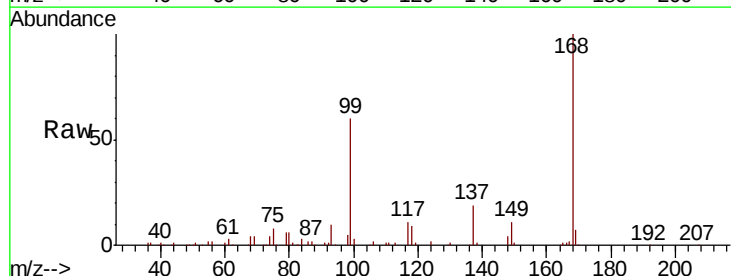
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBL01

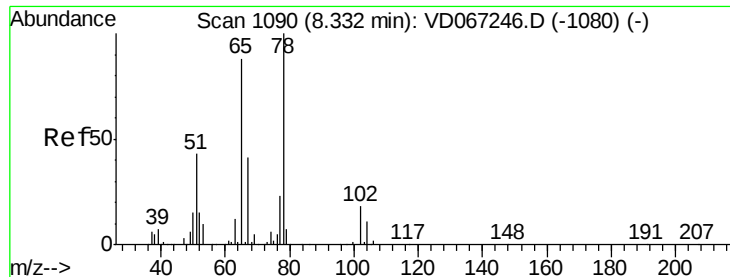
Tot Ion: 43 Resp: 796
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 2.012 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067372.D
Acq: 23 Oct 2020 10:34

Tgt Ion: 56 Resp: 8168
Ion Ratio Lower Upper
56 100
69 152.3 29.8 44.6#
84 131.1 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 51.808 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067372.D

Acq: 23 Oct 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

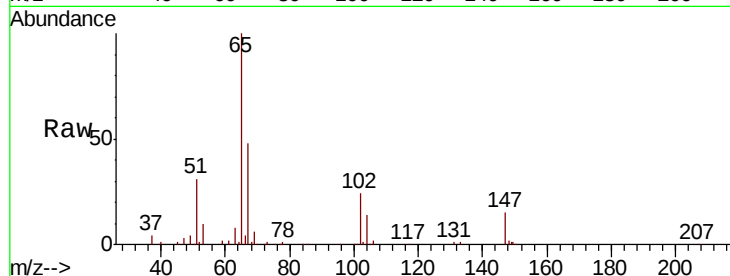
VD1023SBL01

Tot Ion: 65 Resp: 182574

Ion Ratio Lower Upper

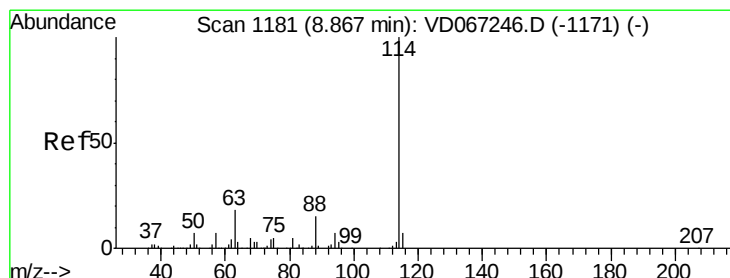
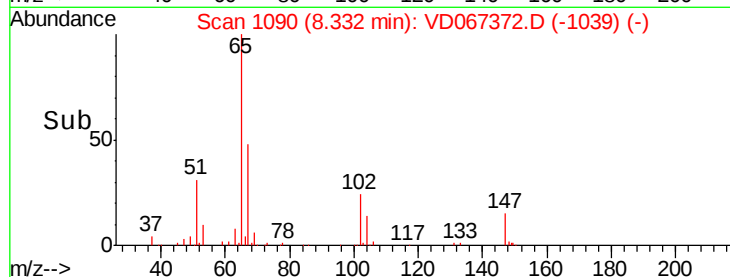
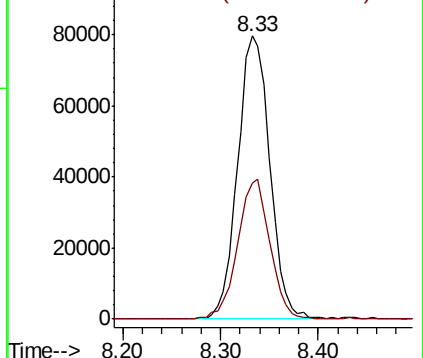
65 100

67 49.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067372.D

Acq: 23 Oct 2020 10:34

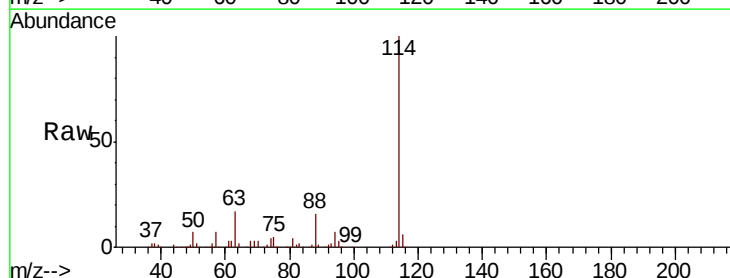
Tgt Ion: 114 Resp: 574848

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

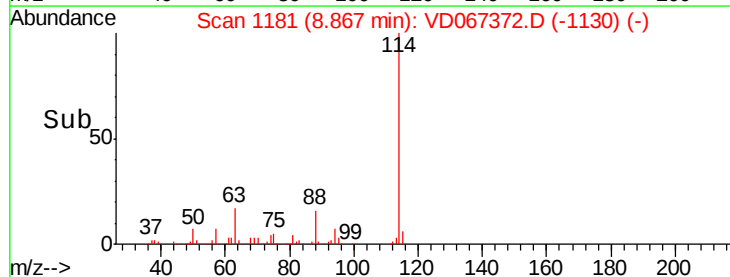
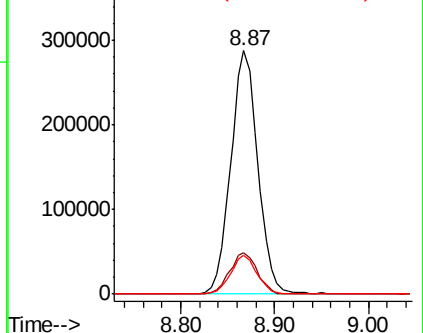
88 16.2 0.0 30.6

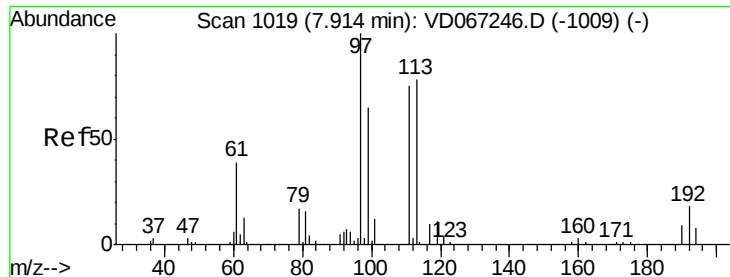


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

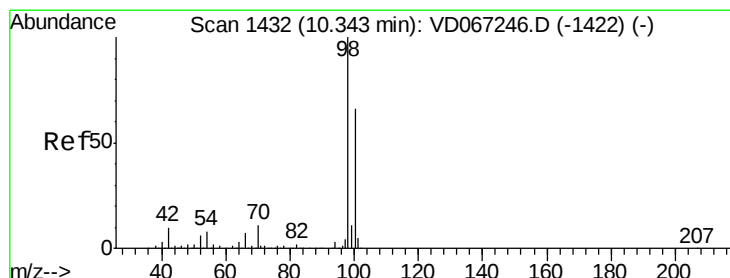
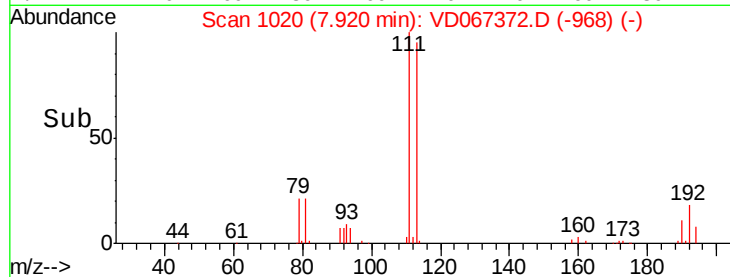
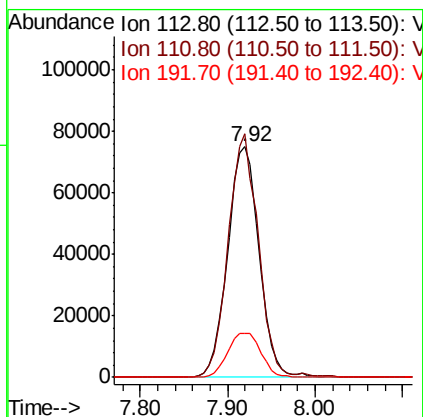
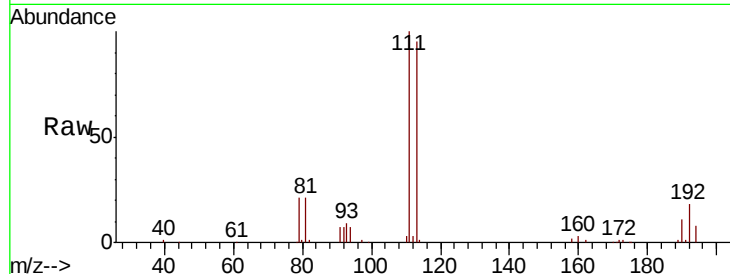




#35
 Dibromofluoromethane
 Concen: 47.811 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067372.D
 Acq: 23 Oct 2020 10:34

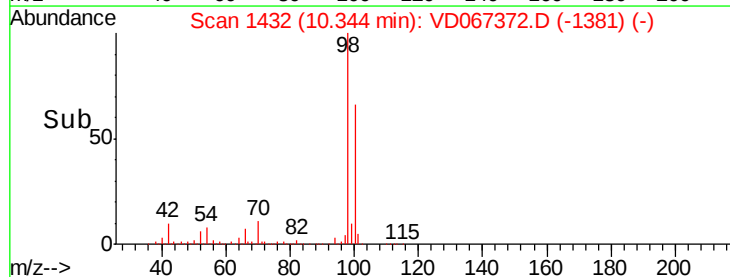
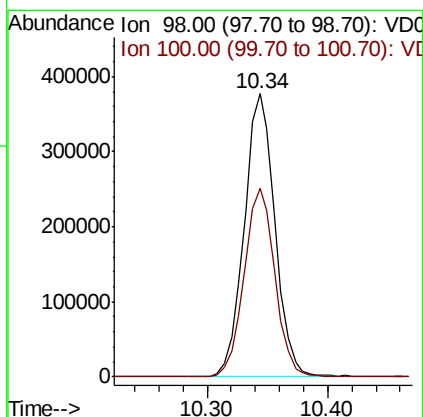
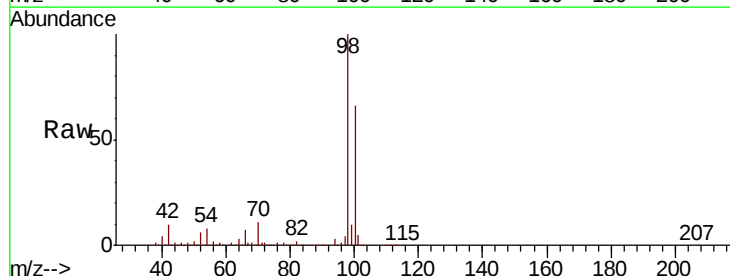
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBL01

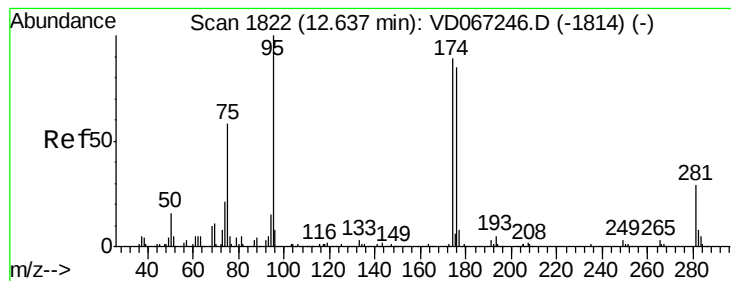
Tot Ion:113 Resp: 182908
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.6 122.4
 192 20.2 17.0 25.4



#50
 Toluene-d8
 Concen: 48.322 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067372.D
 Acq: 23 Oct 2020 10:34

Tgt Ion: 98 Resp: 669005
 Ion Ratio Lower Upper
 98 100
 100 66.9 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 49.418 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067372.D

Acq: 23 Oct 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBL01

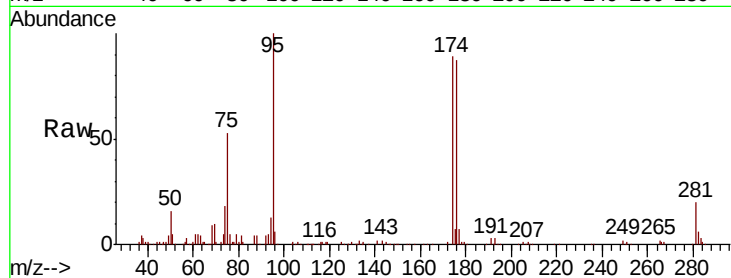
Tot Ion: 95 Resp: 237900

Ion Ratio Lower Upper

95 100

174 87.9 0.0 175.2

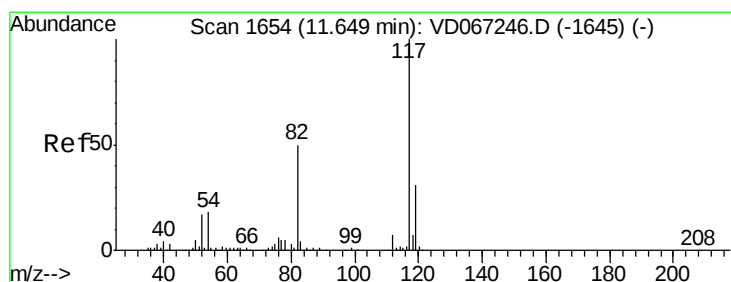
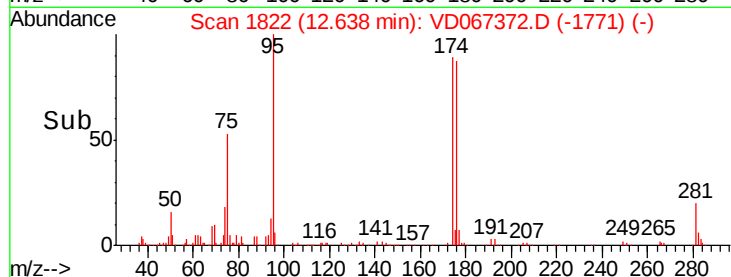
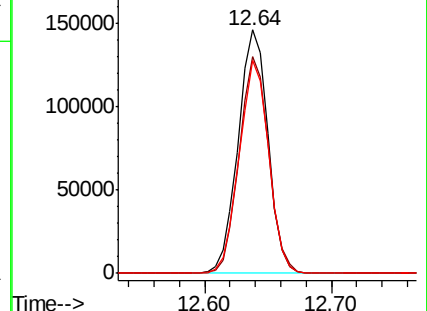
176 86.4 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD067372.D

Acq: 23 Oct 2020 10:34

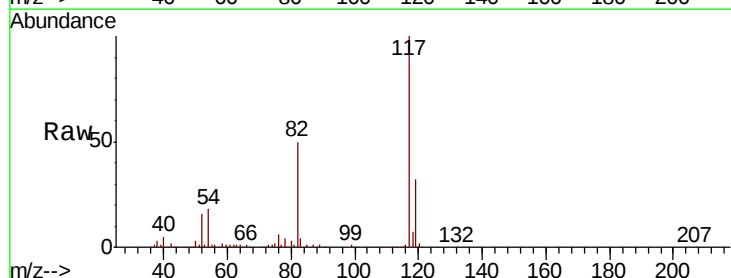
Tgt Ion: 117 Resp: 560897

Ion Ratio Lower Upper

117 100

82 50.2 39.9 59.9

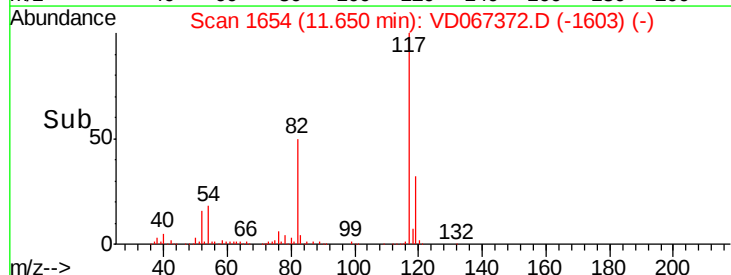
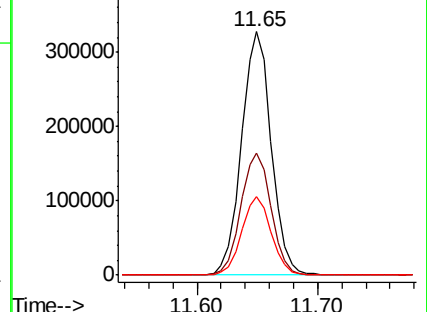
119 32.2 24.9 37.3

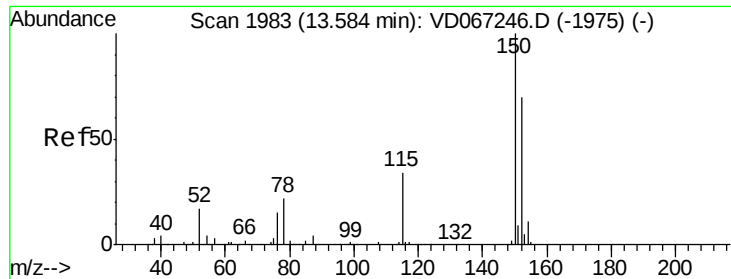


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067372.D

Acq: 23 Oct 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBL01

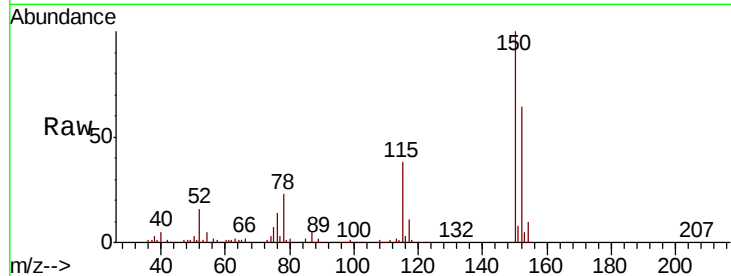
Tot Ion:152 Resp: 272060

Ion Ratio Lower Upper

152 100

115 58.8 29.3 87.9

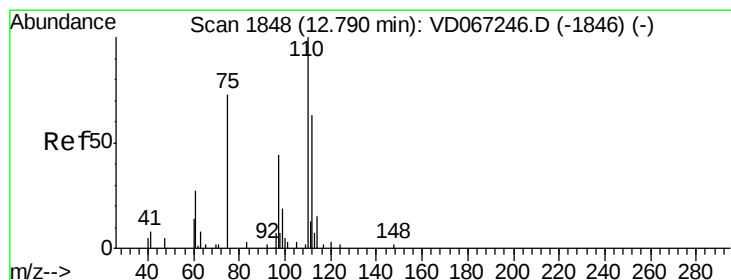
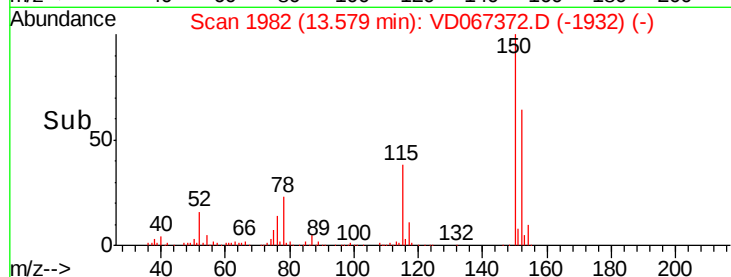
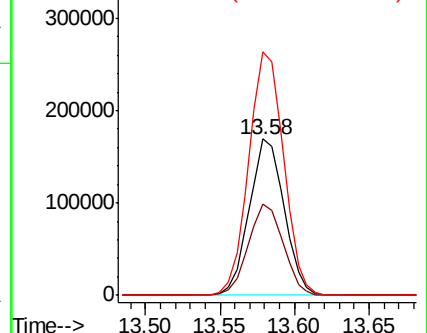
150 156.7 0.0 339.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 66.865 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067372.D

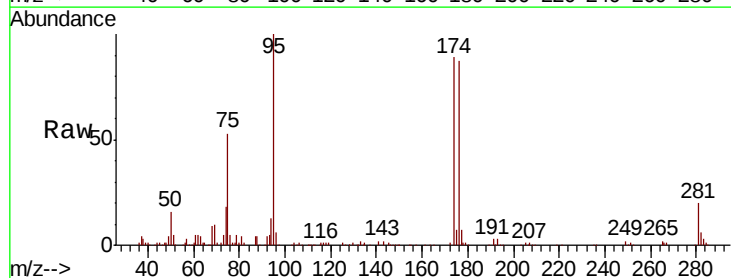
Acq: 23 Oct 2020 10:34

Tgt Ion: 75 Resp: 126082

Ion Ratio Lower Upper

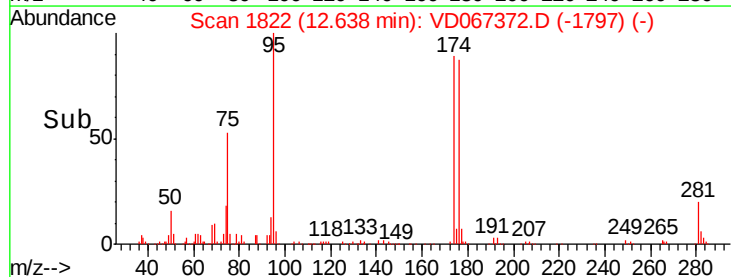
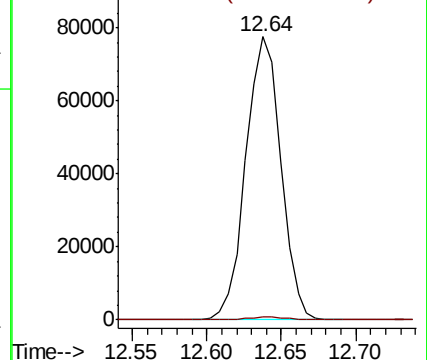
75 100

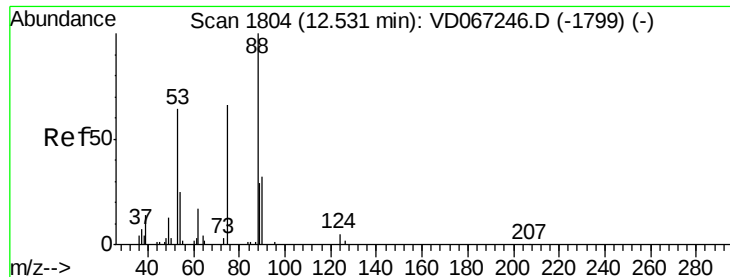
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 151.629 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067372.D

Acq: 23 Oct 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBL01

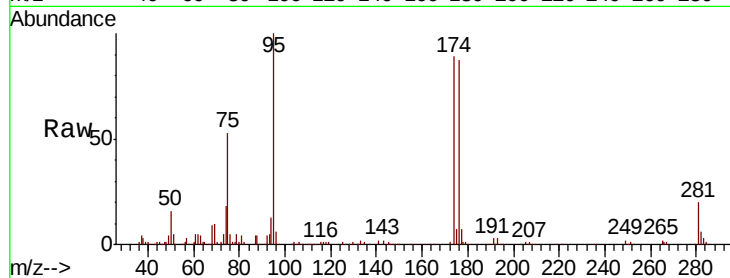
Tot Ion: 75 Resp: 126082

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.3 39.9 59.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

