

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101920\
 Data File : VD067304.D
 Acq On : 19 Oct 2020 12:56
 Operator : VA/SY
 Sample : VD1019SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1019SBL01

Quant Time: Oct 20 01:12:43 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

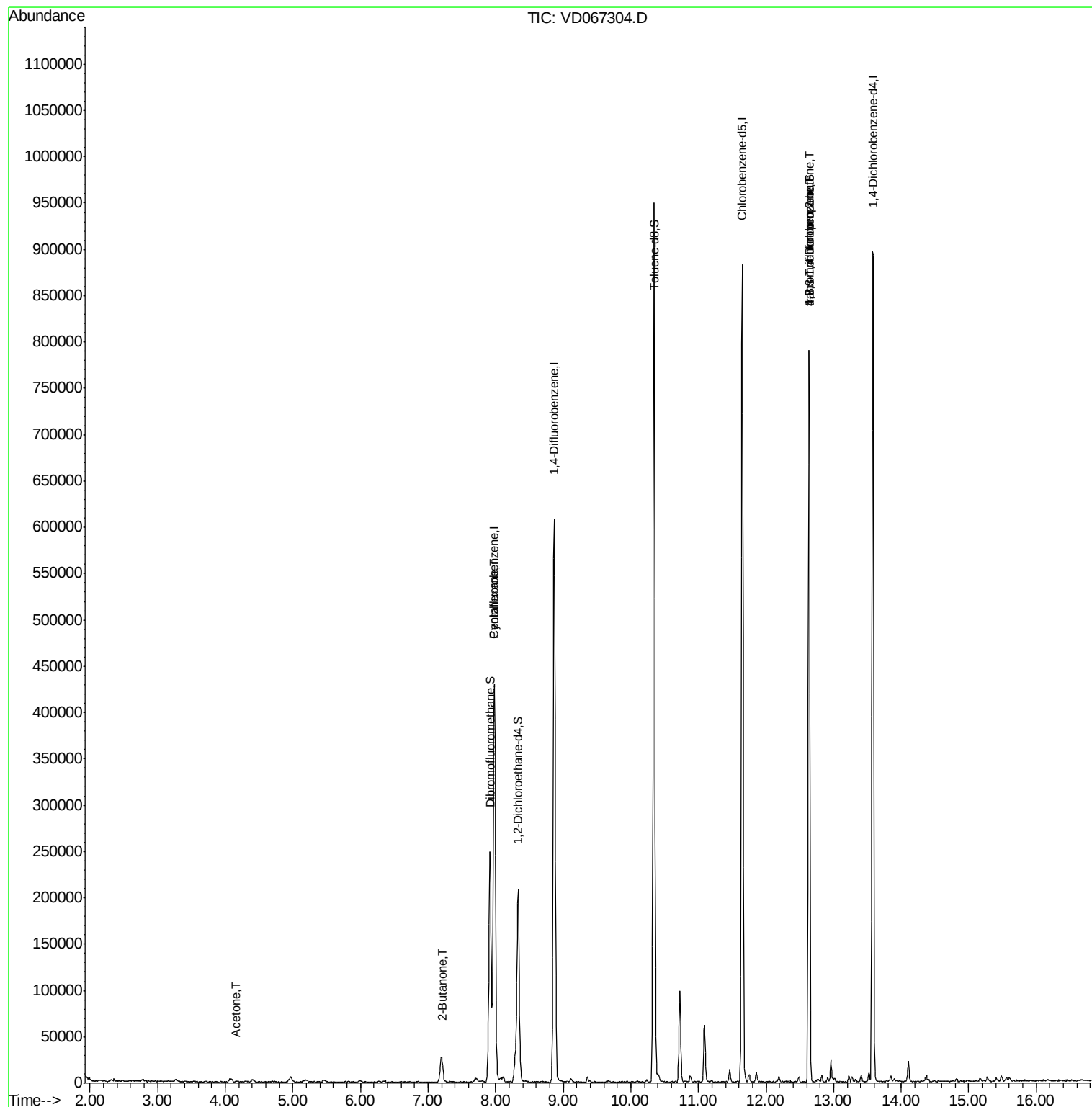
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	333866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	546163	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	527753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256939	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	179329	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
35) Dibromofluoromethane	7.91	113	178131	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	10.34	98	636890	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
62) 4-Bromofluorobenzene	12.64	95	224303	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	1542	Below Cal		98
5) Bromomethane	2.77	94	1009	Below Cal	#	80
11) Tert butyl alcohol	5.24	59	180	Below Cal	#	81
16) Acetone	4.16	43	1451	3.097	ug/l	99
20) Methylene Chloride	4.96	84	4263	Below Cal		92
25) 2-Butanone	7.22	43	661	1.238	ug/l	# 45
31) Cyclohexane	7.98	56	8316	2.159	ug/l	# 61
76) 1,2,3-Trichloropropane	12.64	75	117778	66.137	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	117778	149.978	ug/l	# 10

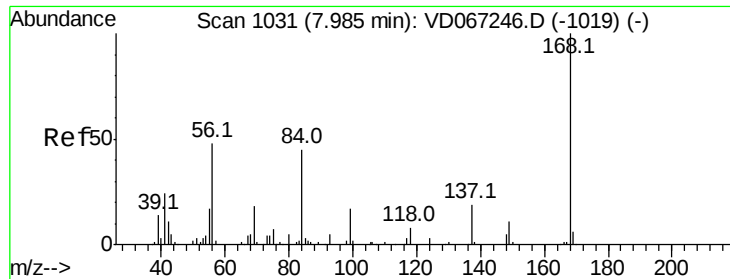
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101920\
Data File : VD067304.D
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Operator : VA/SY
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Misc : 5.00G/5.00ml/MSVOA D/SOIL
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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: VD067304.D

Acq: 19 Oct 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

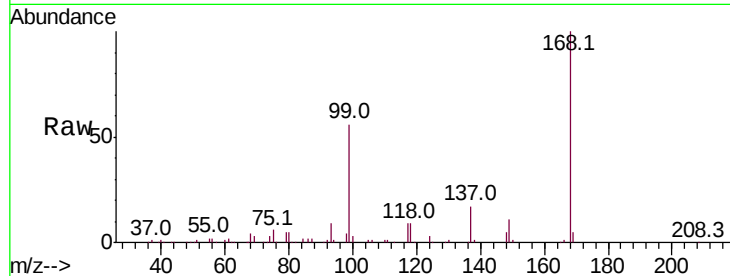
VD1019SBL01

Tot Ion:168 Resp: 333866

Ion Ratio Lower Upper

168 100

99 56.3 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

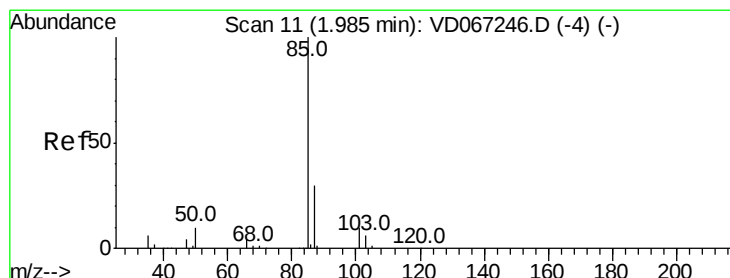
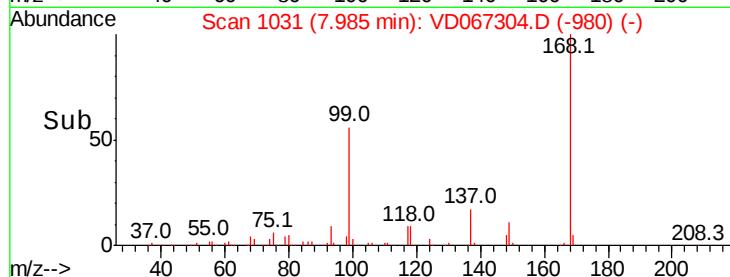
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067304.D

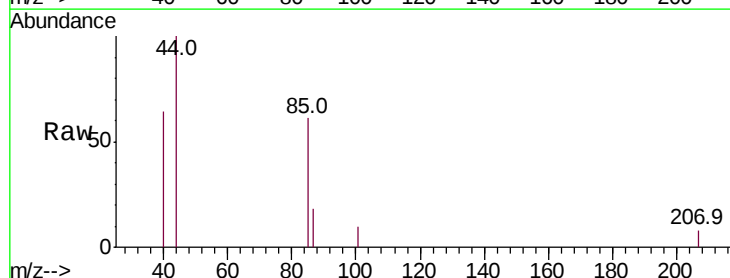
Acq: 19 Oct 2020 12:56

Tgt Ion: 85 Resp: 1542

Ion Ratio Lower Upper

85 100

87 29.5 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

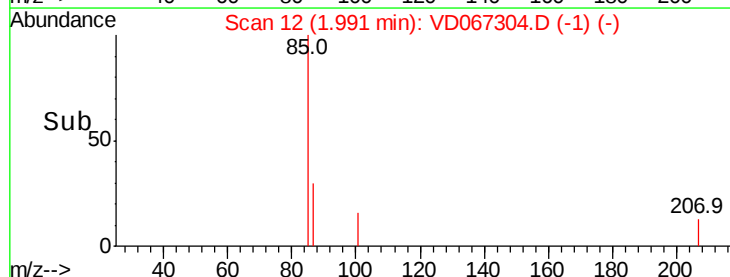
1000

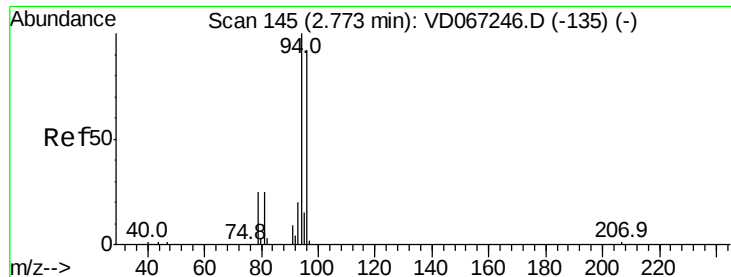
500

0

Time-->

1.95 2.00





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067304.D

Acq: 19 Oct 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

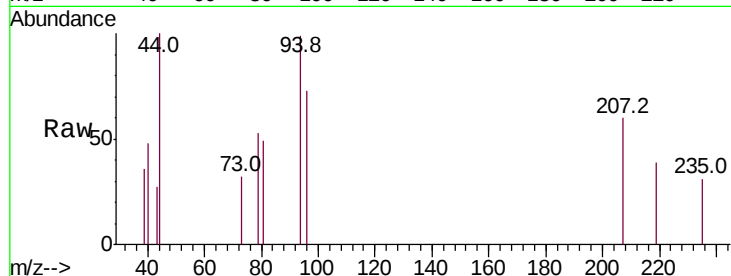
VD1019SBL01

Tot Ion: 94 Resp: 1009

Ion Ratio Lower Upper

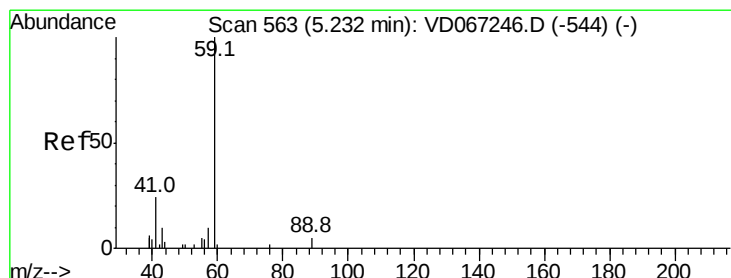
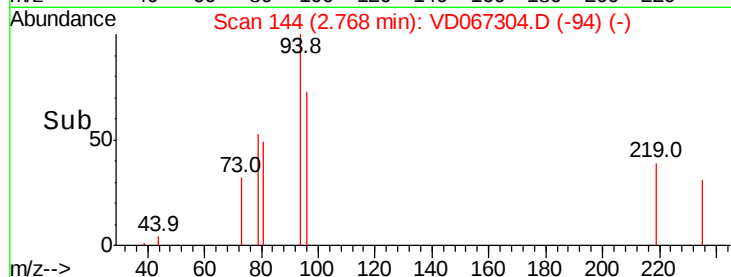
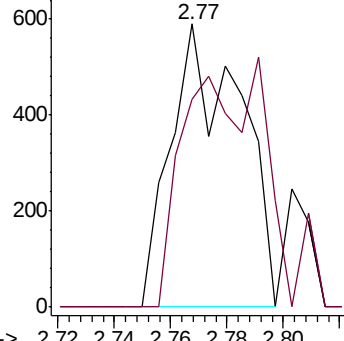
94 100

96 73.4 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# 565

Delta R.T. 0.01 min

Lab File: VD067304.D

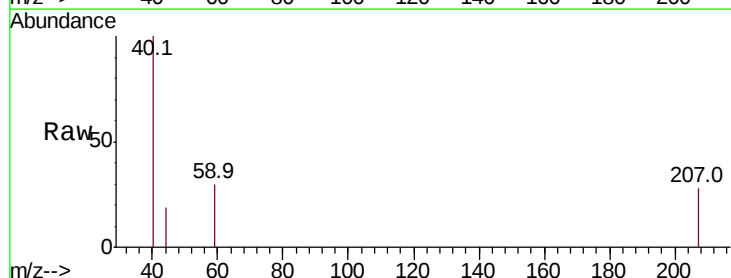
Acq: 19 Oct 2020 12:56

Tgt Ion: 59 Resp: 180

Ion Ratio Lower Upper

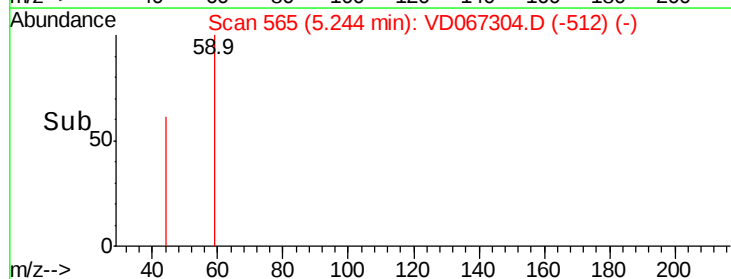
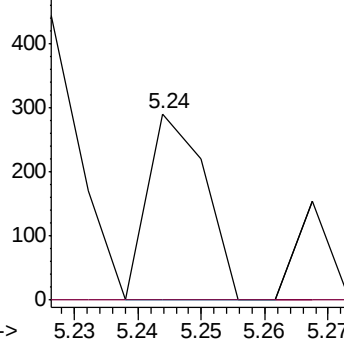
59 100

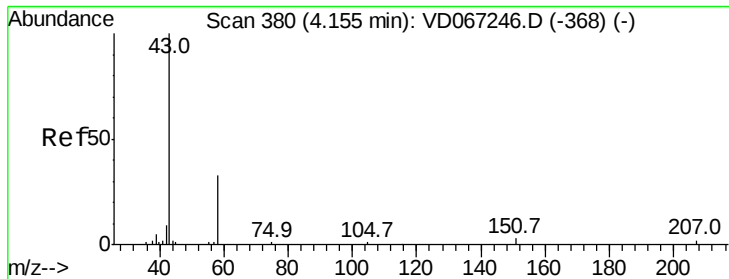
57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 3.097 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067304.D

Acq: 19 Oct 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

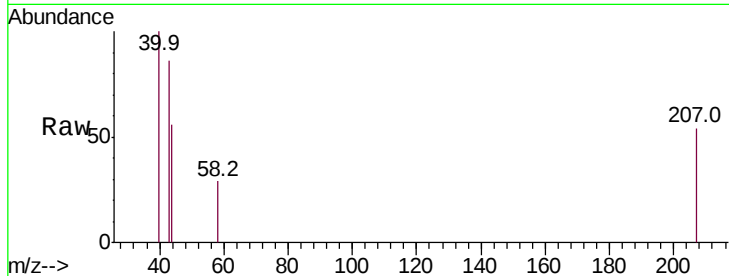
VD1019SBL01

Tot Ion: 43 Resp: 1451

Ion Ratio Lower Upper

43 100

58 33.3 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

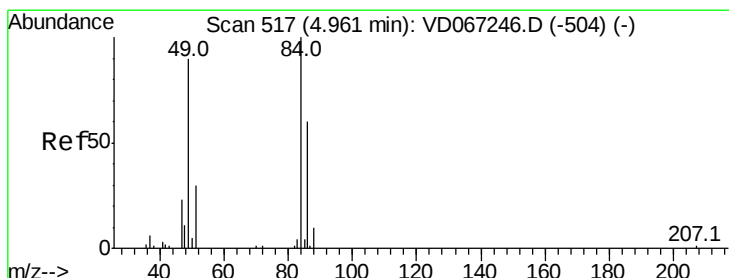
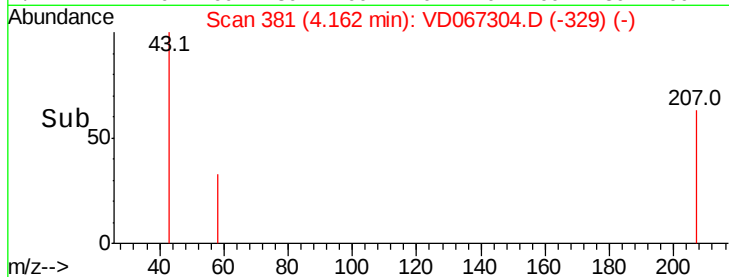
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067304.D

Acq: 19 Oct 2020 12:56

Tgt Ion: 84 Resp: 4263

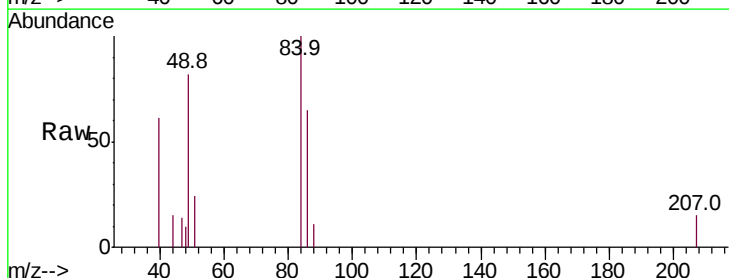
Ion Ratio Lower Upper

84 100

49 81.9 72.2 108.2

51 24.5 23.8 35.8

86 64.5 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

3000

2500

2000

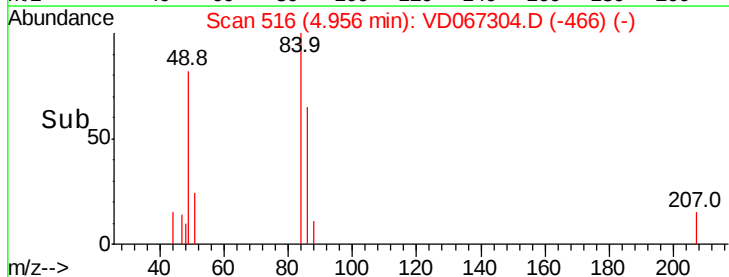
1500

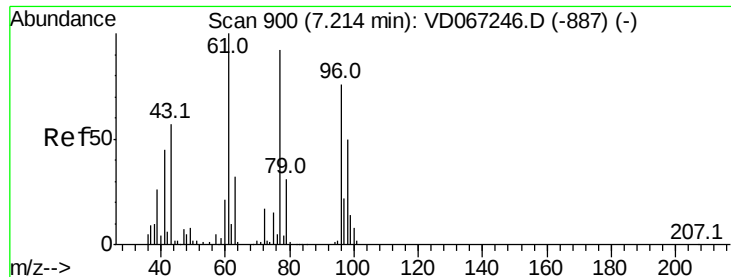
1000

500

0

Time-->





#25

2-Butanone

Concen: 1.238 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067304.D

Acq: 19 Oct 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

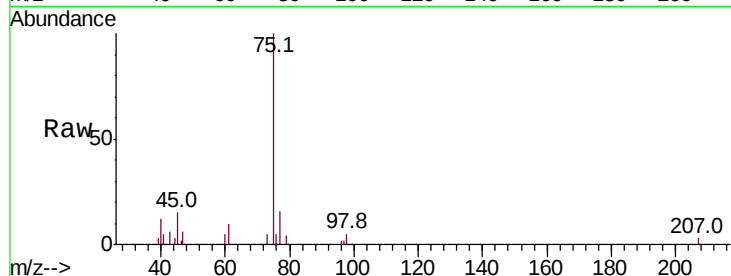
VD1019SBL01

Tot Ion: 43 Resp: 661

Ion Ratio Lower Upper

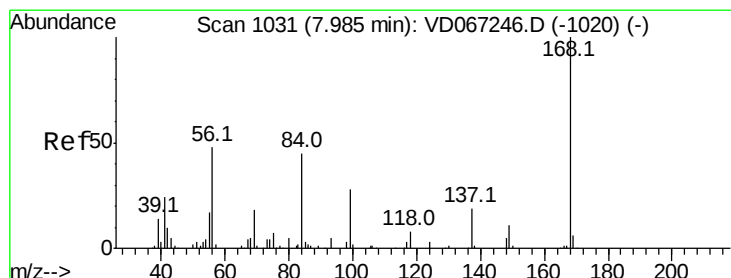
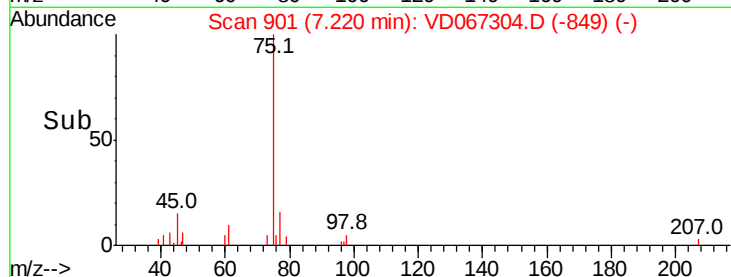
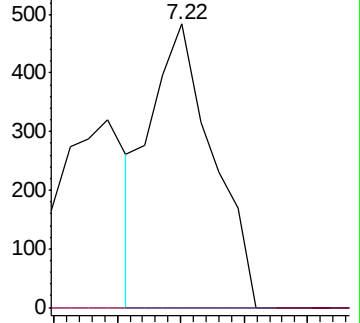
43 100

72 0.0 23.7 35.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 2.159 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067304.D

Acq: 19 Oct 2020 12:56

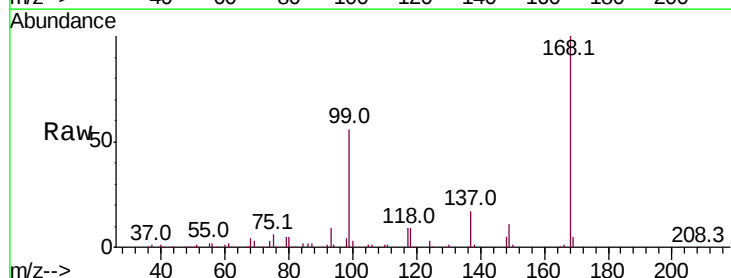
Tgt Ion: 56 Resp: 8316

Ion Ratio Lower Upper

56 100

69 119.8 29.8 44.6#

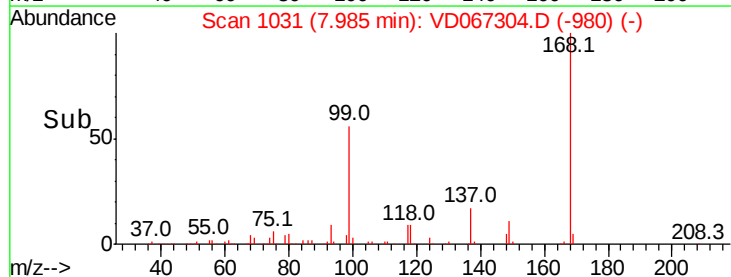
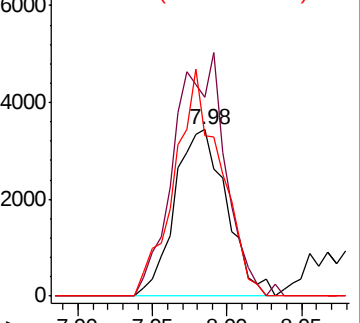
84 96.2 76.6 114.8

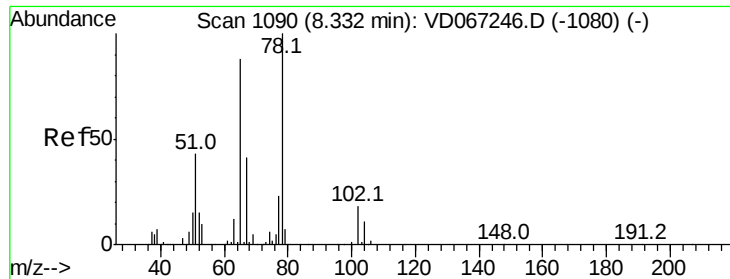


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 53.614 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067304.D

Acq: 19 Oct 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

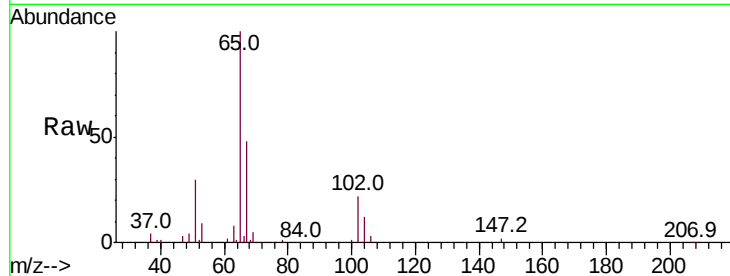
VD1019SBL01

Tot Ion: 65 Resp: 179329

Ion Ratio Lower Upper

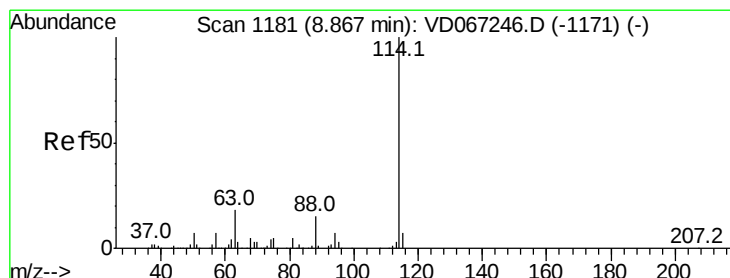
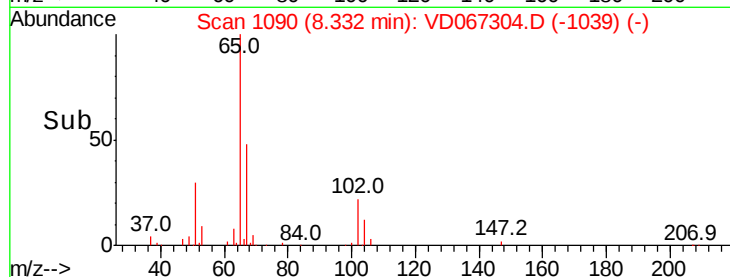
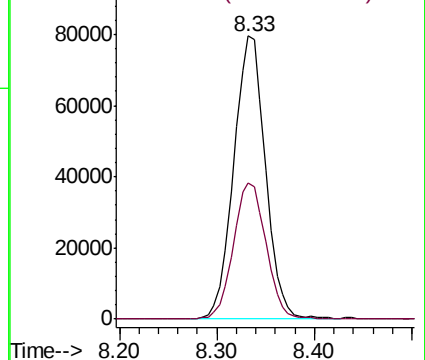
65 100

67 49.4 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: VD067304.D

Acq: 19 Oct 2020 12:56

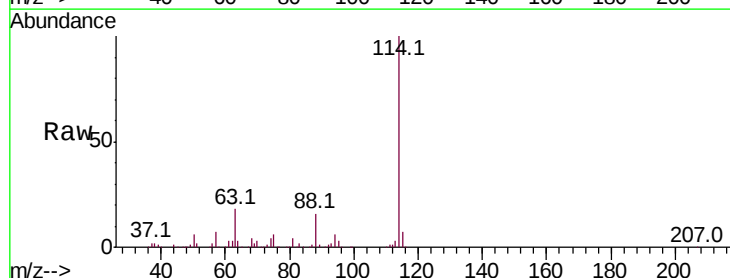
Tgt Ion: 114 Resp: 546163

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

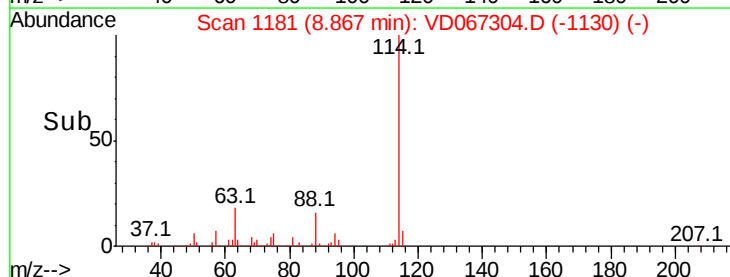
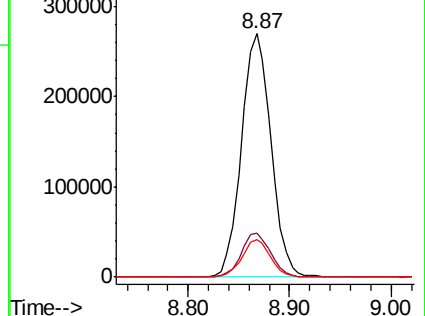
88 15.6 0.0 30.6

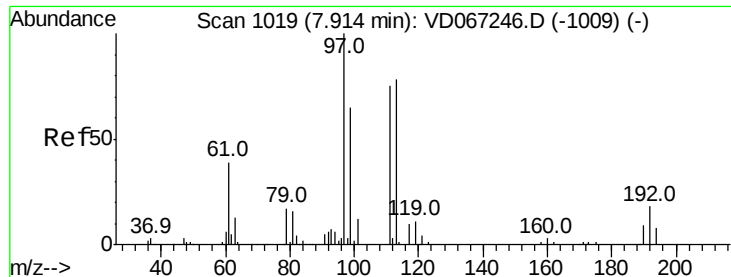


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

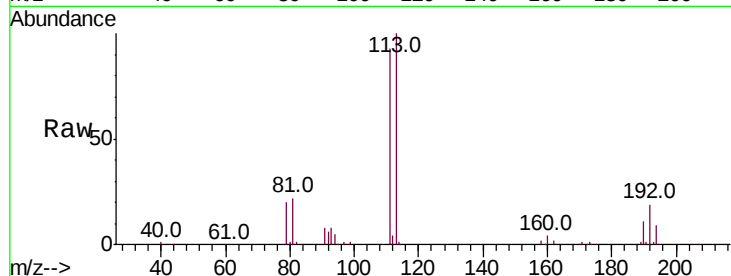




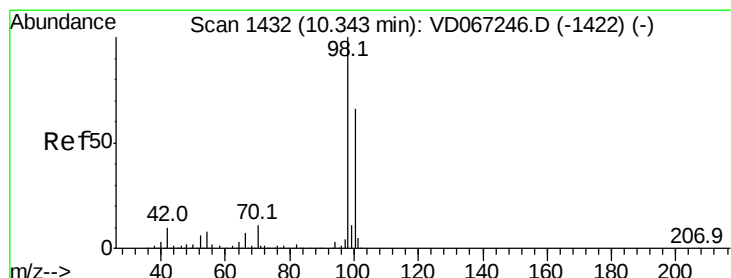
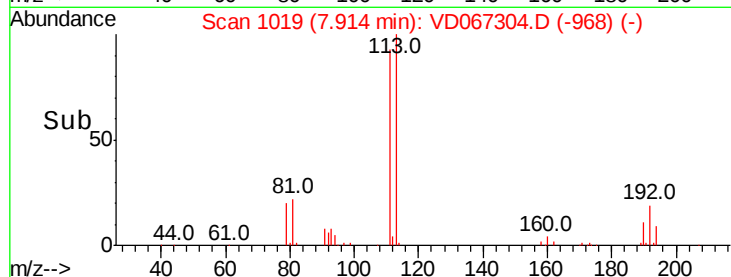
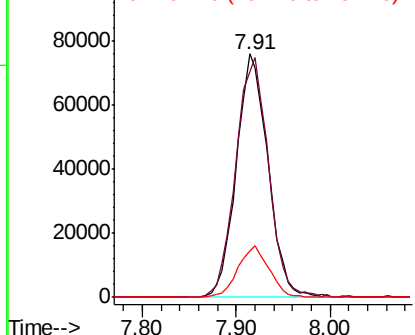
#35
 Dibromofluoromethane
 Concen: 49.008 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067304.D
 Acq: 19 Oct 2020 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1019SBL01

Tot Ion:113 Resp: 178131
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.6 122.4
 192 20.8 17.0 25.4

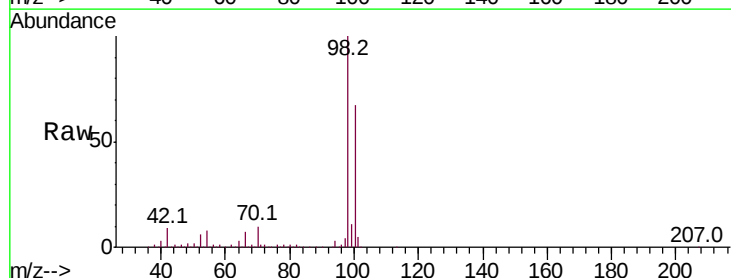


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

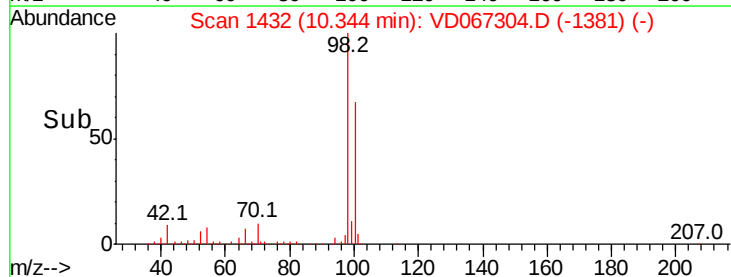
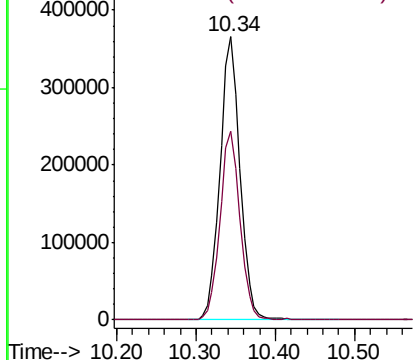


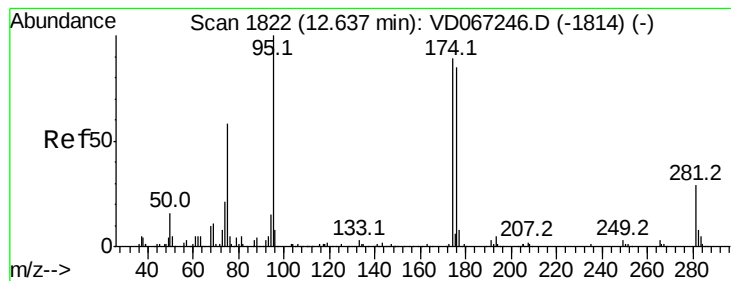
#50
 Toluene-d8
 Concen: 48.419 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067304.D
 Acq: 19 Oct 2020 12:56

Tgt Ion: 98 Resp: 636890
 Ion Ratio Lower Upper
 98 100
 100 66.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC
 Ion 100.00 (99.70 to 100.70): VD





#62

4-Bromofluorobenzene

Concen: 49.040 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067304.D

Acq: 19 Oct 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1019SBL01

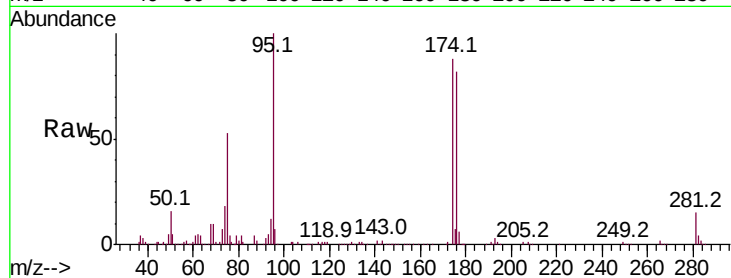
Tot Ion: 95 Resp: 224303

Ion Ratio Lower Upper

95 100

174 89.6 0.0 175.2

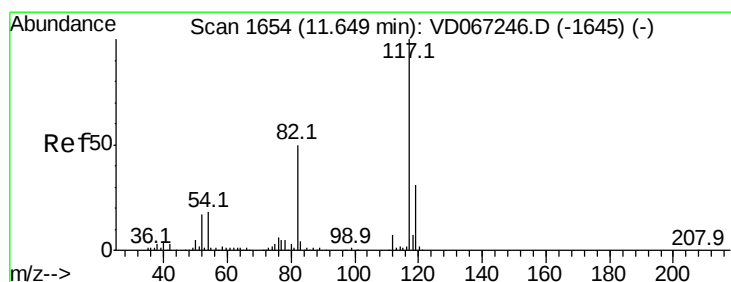
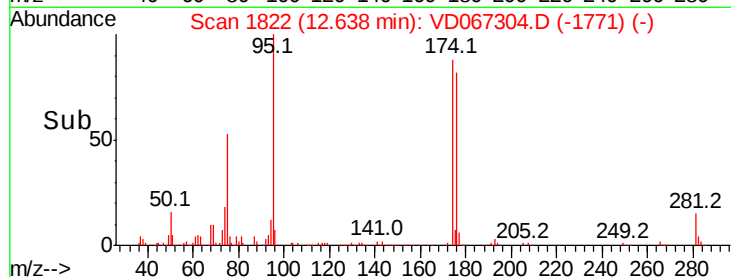
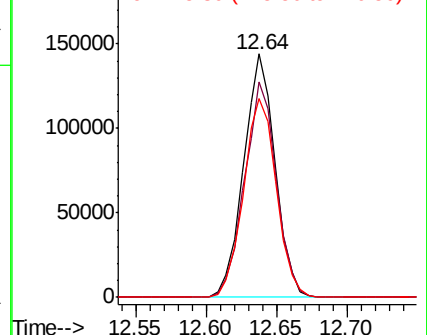
176 85.5 0.0 168.6



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: VD067304.D

Acq: 19 Oct 2020 12:56

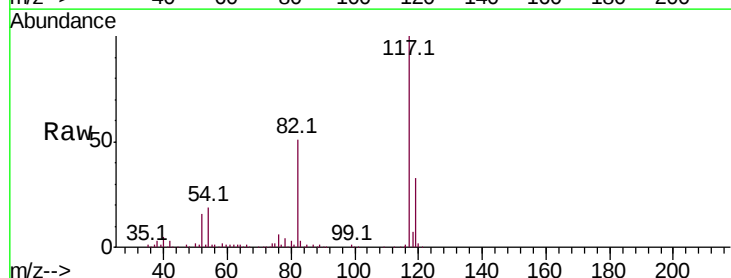
Tgt Ion: 117 Resp: 527753

Ion Ratio Lower Upper

117 100

82 50.6 39.9 59.9

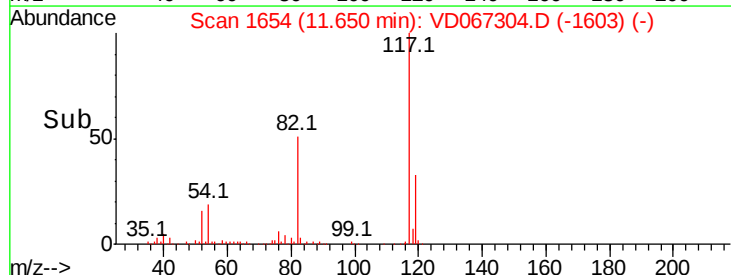
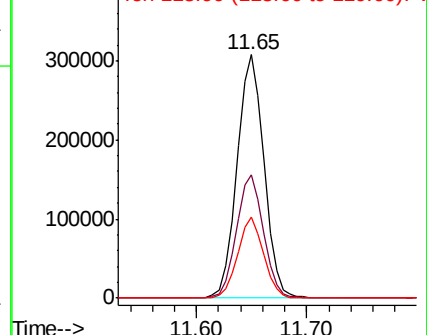
119 33.4 24.9 37.3

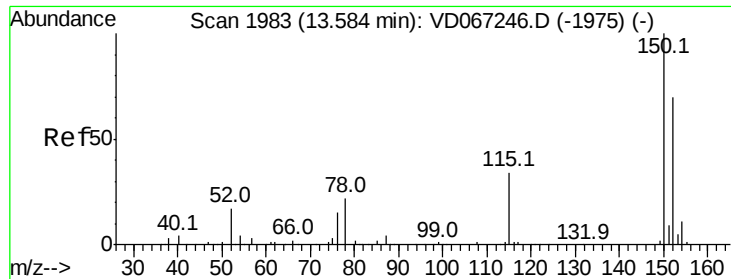


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1983

Delta R.T. 0.00 min

Lab File: VD067304.D

Acq: 19 Oct 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1019SBL01

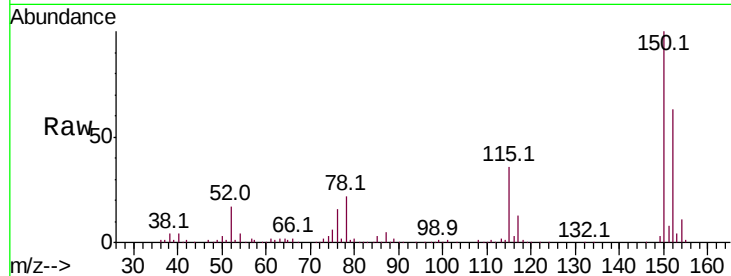
Tot Ion:152 Resp: 256939

Ion Ratio Lower Upper

152 100

115 59.5 29.3 87.9

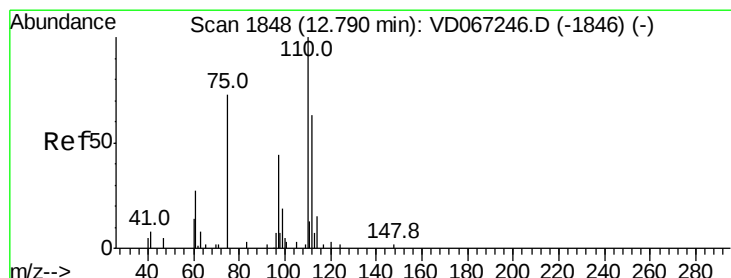
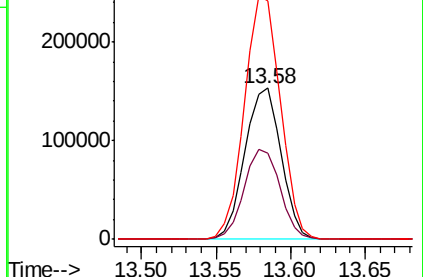
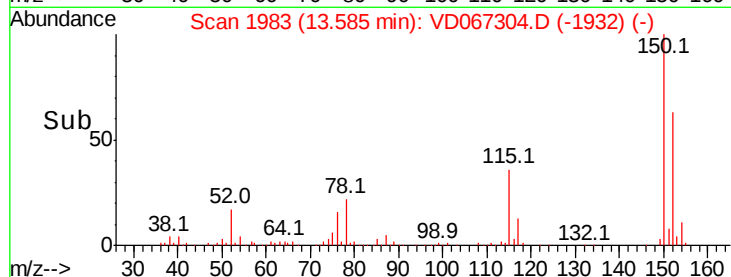
150 159.7 0.0 339.0



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: 66.137 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067304.D

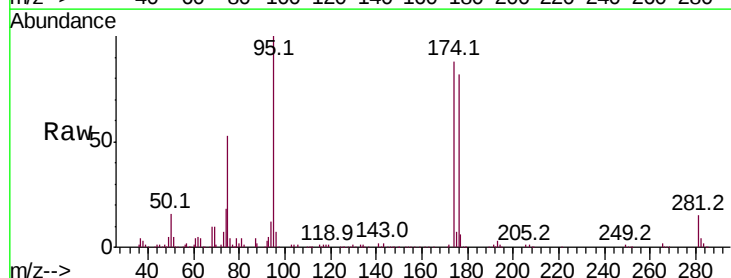
Acq: 19 Oct 2020 12:56

Tgt Ion: 75 Resp: 117778

Ion Ratio Lower Upper

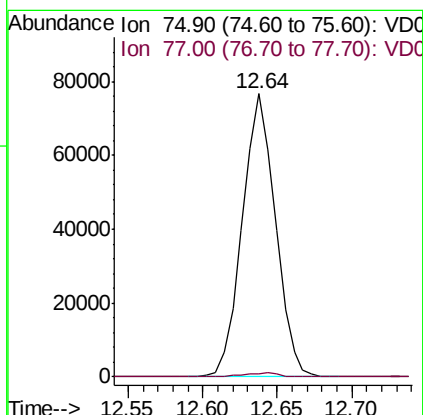
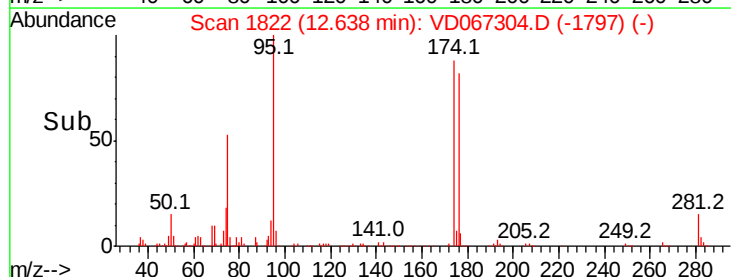
75 100

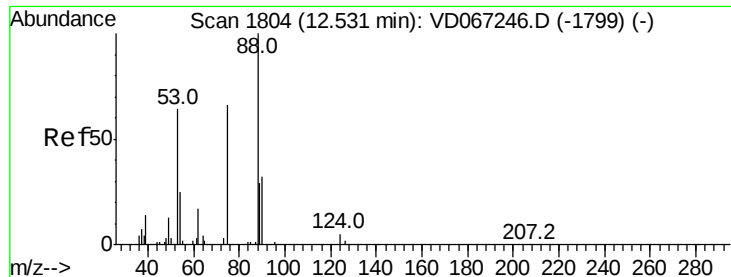
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 149.978 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067304.D

Acq: 19 Oct 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1019SBL01

Tot Ion: 75 Resp: 117778

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.1 39.9 59.9#

