

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101620\
 Data File : VD067294.D
 Acq On : 16 Oct 2020 12:50
 Operator : VA/SY
 Sample : L4227-01
 Misc : 4.70G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BU-01-101420

Quant Time: Oct 17 00:39:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	317166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	527351	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	491128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212670	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	166275	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
35) Dibromofluoromethane	7.92	113	169912	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
50) Toluene-d8	10.34	98	617126	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
62) 4-Bromofluorobenzene	12.64	95	195679	44.31	ug/l	0.00
Spiked Amount			Recovery	=	88.62%	

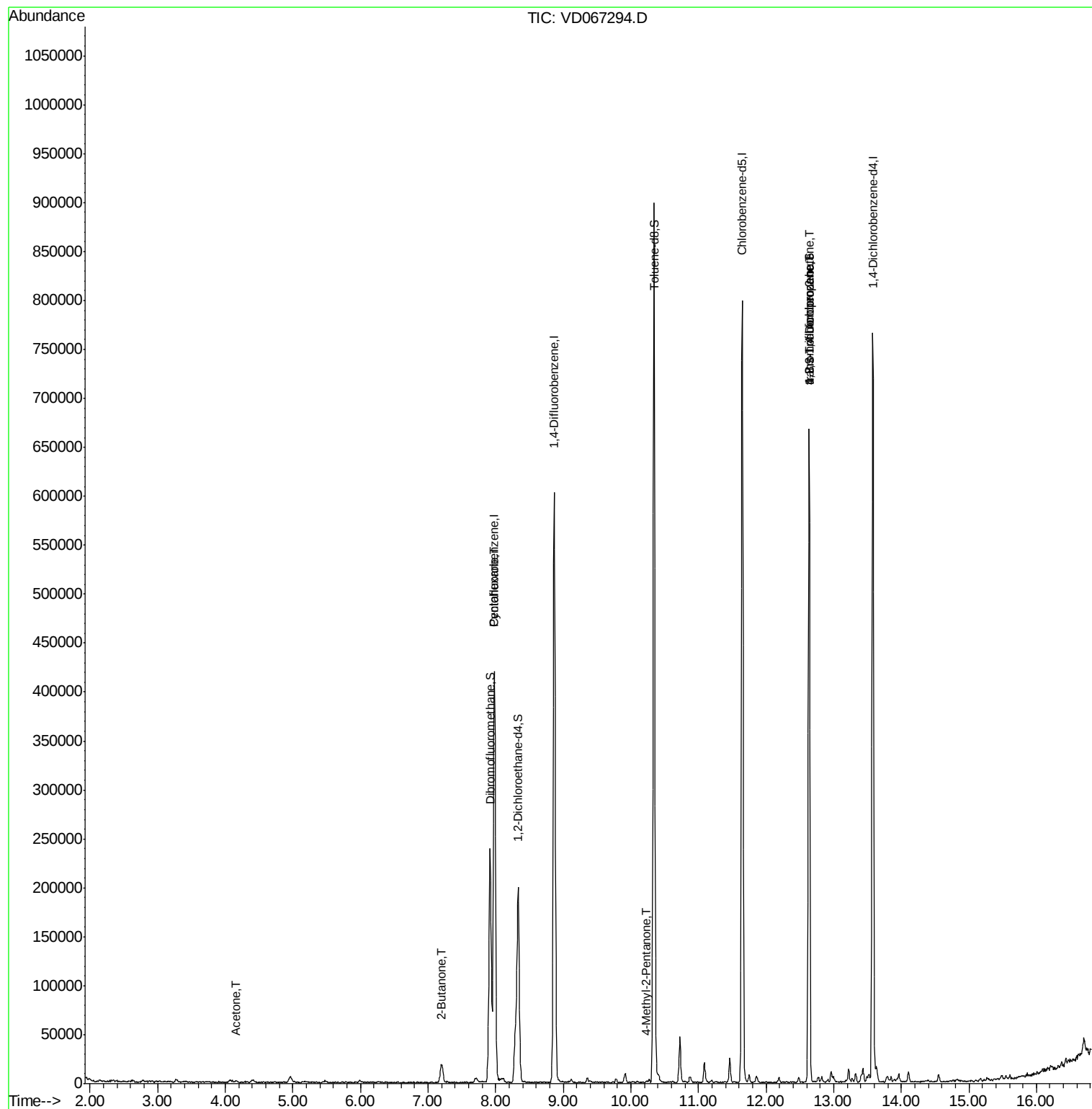
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1546	Below Cal	#	69
5) Bromomethane	2.77	94	1106	Below Cal		85
11) Tert butyl alcohol	5.22	59	549	Below Cal	#	81
16) Acetone	4.16	43	2070	4.652	ug/l #	46
20) Methylene Chloride	4.97	84	5369	Below Cal	#	86
25) 2-Butanone	7.20	43	827	1.630	ug/l #	45
31) Cyclohexane	7.97	56	7868	2.150	ug/l #	64
51) 4-Methyl-2-Pentanone	10.23	43	1519	1.167	ug/l	96
76) 1,2,3-Trichloropropane	12.64	75	101456	68.830	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	101456	156.086	ug/l #	10

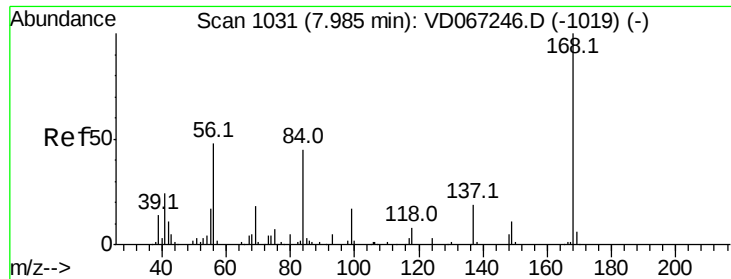
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 17 00:39:46 2020
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Quant Title : SW846 8260
QLast Update : Wed Oct 14 03:30:30 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067294.D

Acq: 16 Oct 2020 12:50

Instrument :

MSVOA_D

ClientSampleId :

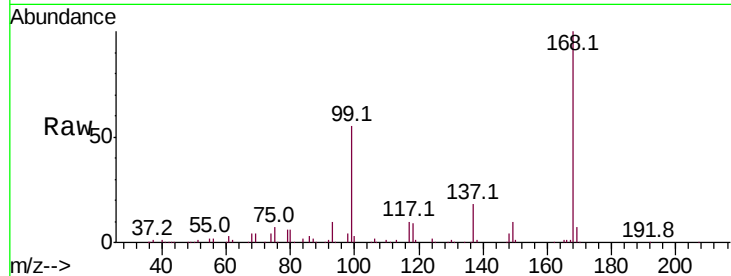
BU-01-101420

Tot Ion:168 Resp: 317166

Ion Ratio Lower Upper

168 100

99 54.3 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

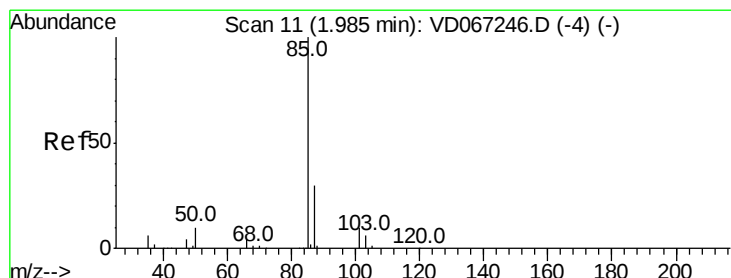
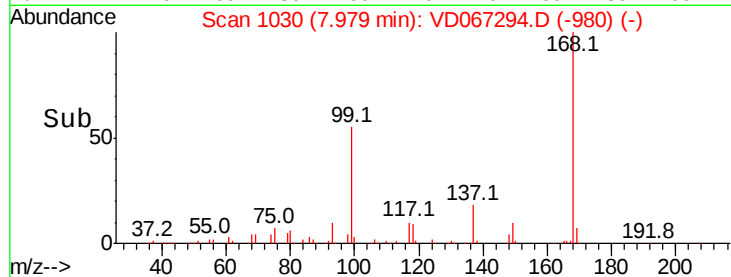
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067294.D

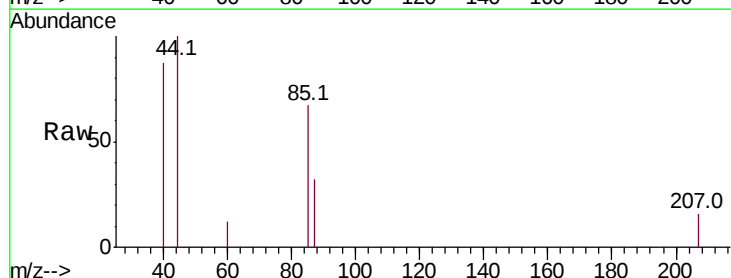
Acq: 16 Oct 2020 12:50

Tgt Ion: 85 Resp: 1546

Ion Ratio Lower Upper

85 100

87 47.4 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

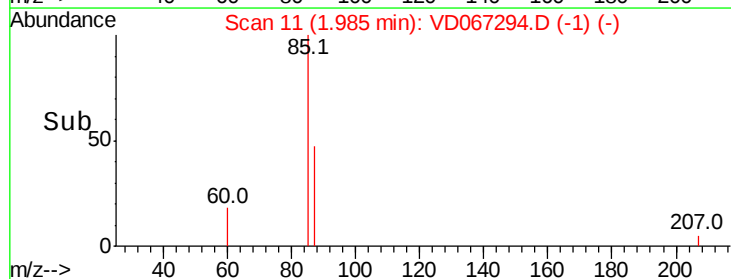
1.99

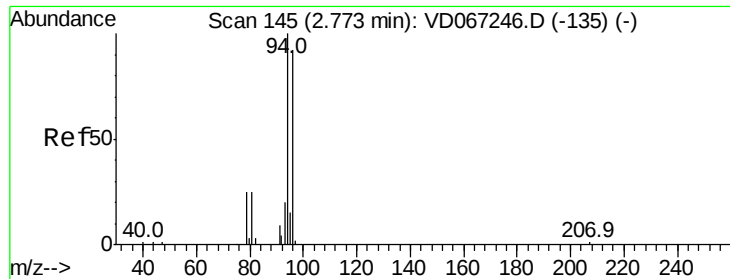
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067294.D

Acq: 16 Oct 2020 12:50

Instrument :

MSVOA_D

ClientSampleId :

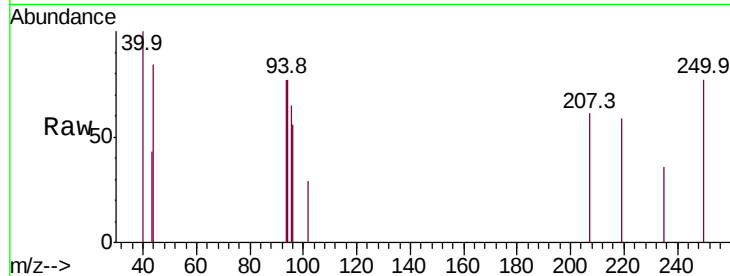
BU-01-101420

Tot Ion: 94 Resp: 1106

Ion Ratio Lower Upper

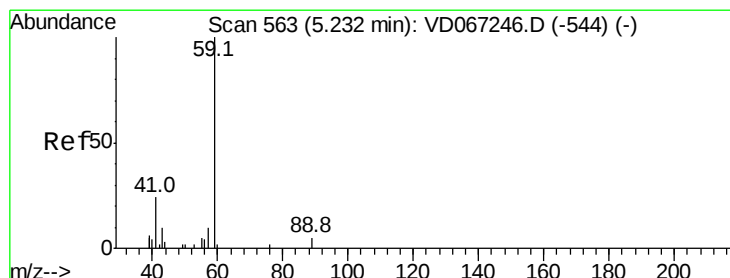
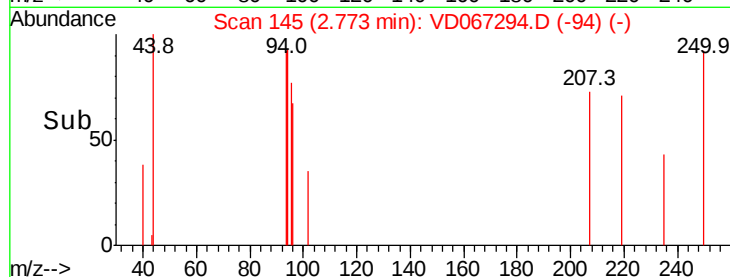
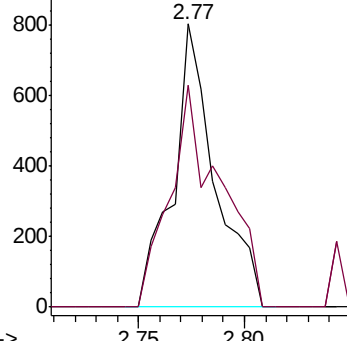
94 100

96 78.3 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: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD067294.D

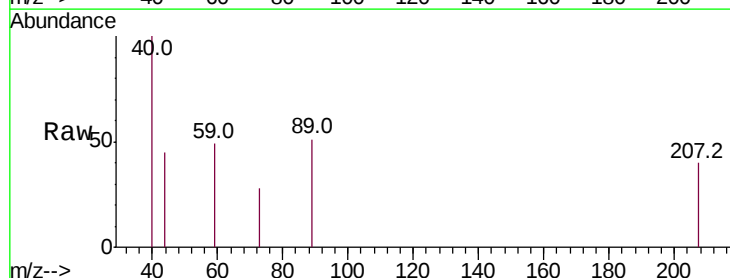
Acq: 16 Oct 2020 12:50

Tgt Ion: 59 Resp: 549

Ion Ratio Lower Upper

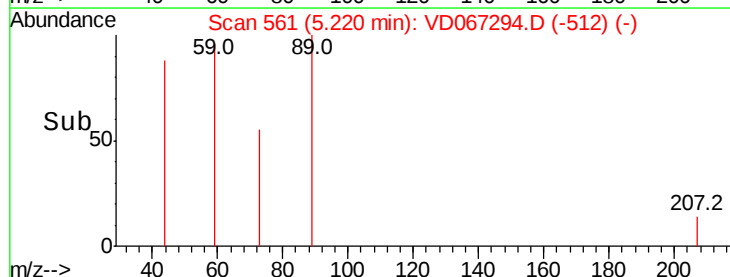
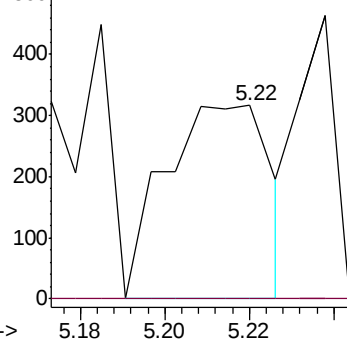
59 100

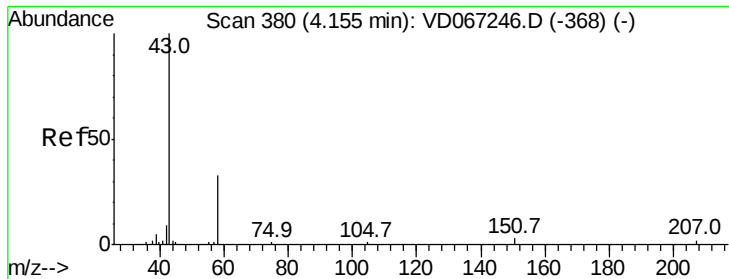
57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 4.652 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067294.D

Acq: 16 Oct 2020 12:50

Instrument :

MSVOA_D

ClientSampleId :

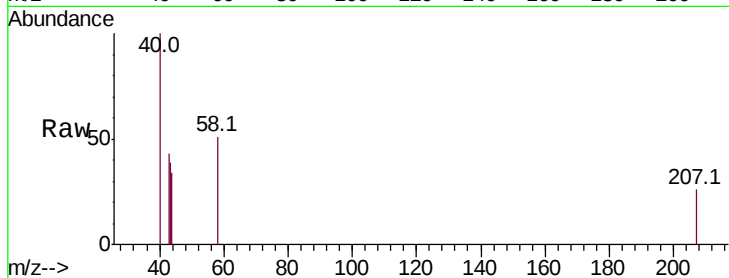
BU-01-101420

Tot Ion: 43 Resp: 2070

Ion Ratio Lower Upper

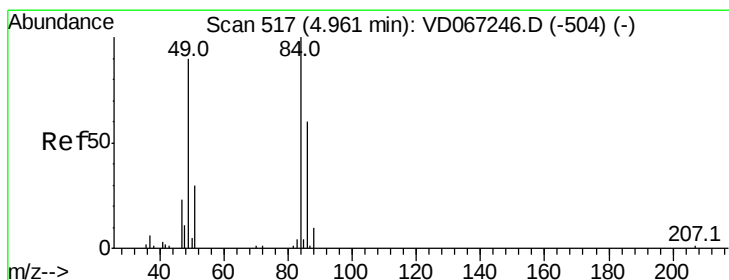
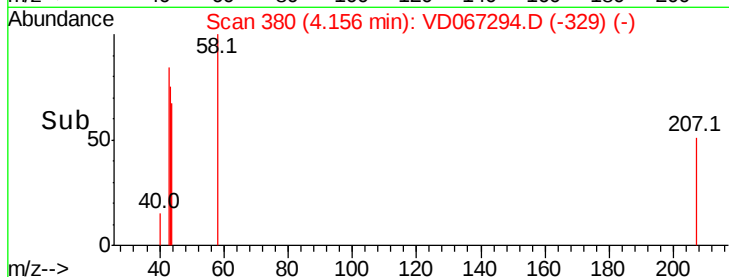
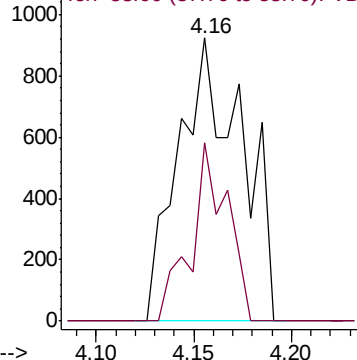
43 100

58 63.1 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: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067294.D

Acq: 16 Oct 2020 12:50

Tgt Ion: 84 Resp: 5369

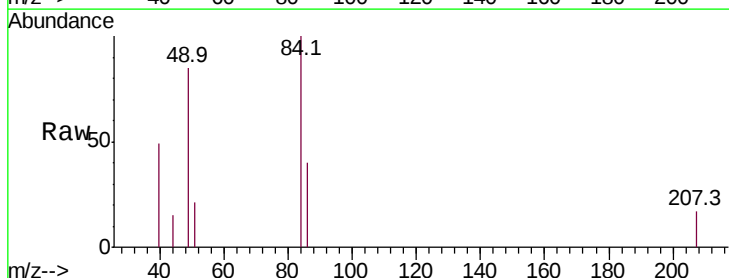
Ion Ratio Lower Upper

84 100

49 84.6 72.2 108.2

51 21.1 23.8 35.8#

86 40.4 48.2 72.4#

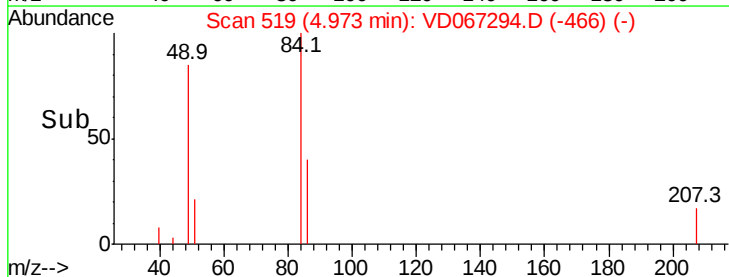
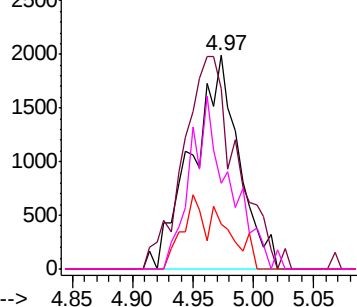


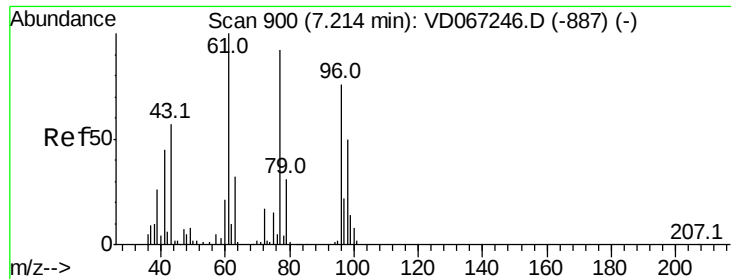
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

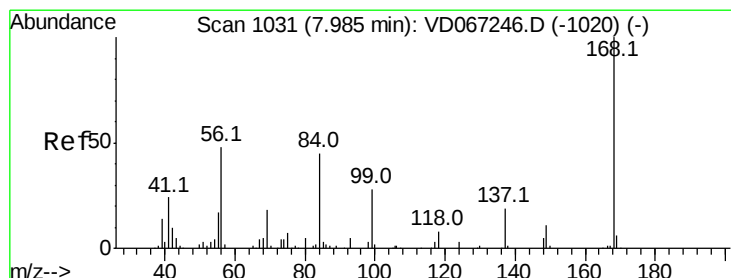
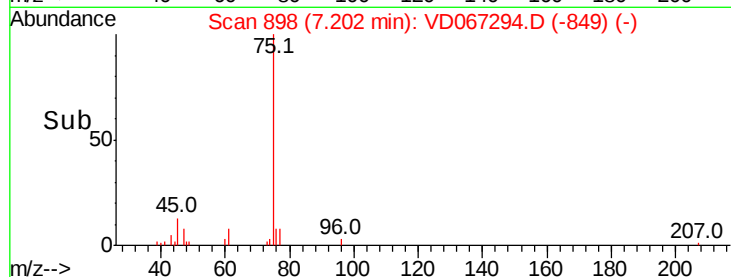
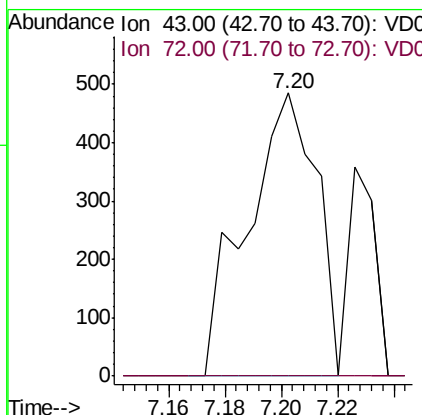
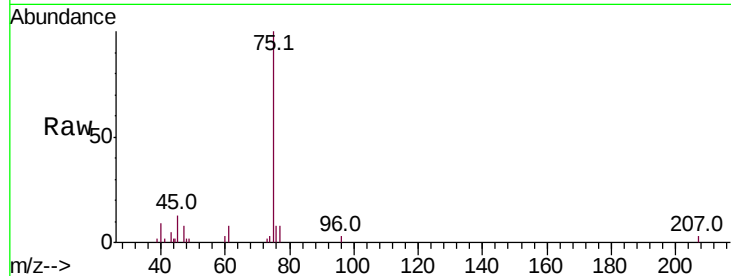




#25
2-Butanone
Concen: 1.630 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067294.D
Acq: 16 Oct 2020 12:50

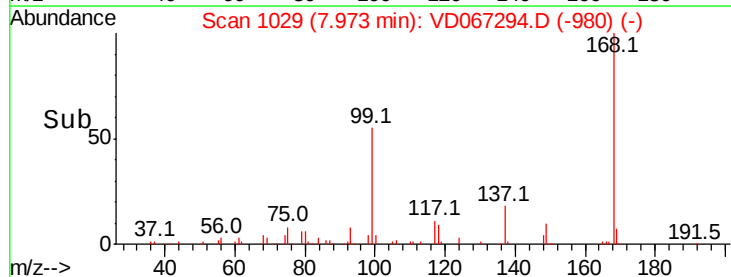
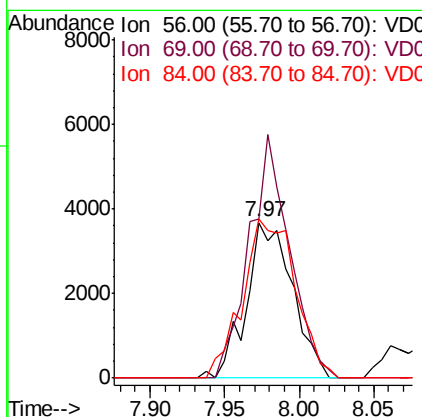
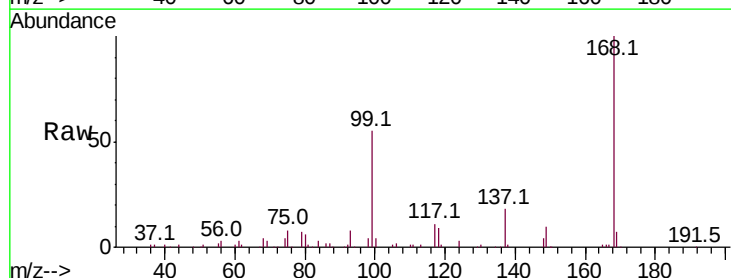
Instrument :
MSVOA_D
ClientSampleId :
BU-01-101420

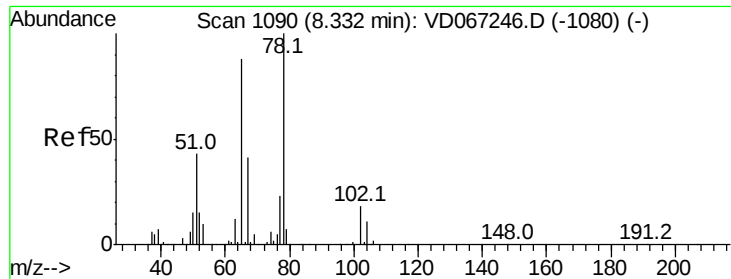
Tot Ion: 43 Resp: 827
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 2.150 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067294.D
Acq: 16 Oct 2020 12:50

Tgt Ion: 56 Resp: 7868
Ion Ratio Lower Upper
56 100
69 102.8 29.8 44.6#
84 102.3 76.6 114.8





#33

1,2-Dichloroethane-d4

Concen: 52.328 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067294.D

Acq: 16 Oct 2020 12:50

Instrument :

MSVOA_D

ClientSampleId :

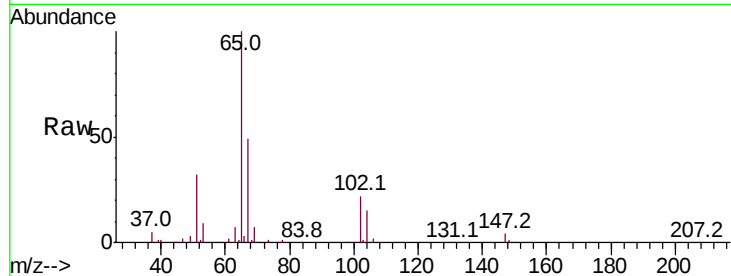
BU-01-101420

Tot Ion: 65 Resp: 166275

Ion Ratio Lower Upper

65 100

67 50.2 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

80000

60000

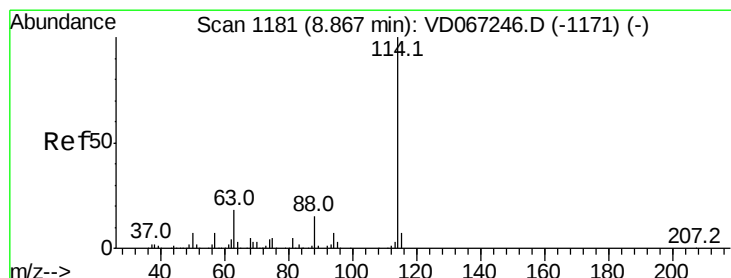
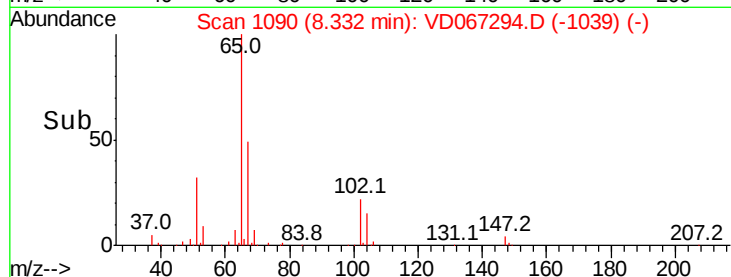
40000

20000

0

8.20 8.30 8.40 8.50

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067294.D

Acq: 16 Oct 2020 12:50

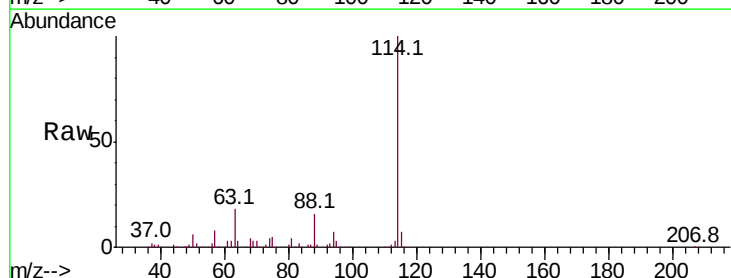
Tgt Ion: 114 Resp: 527351

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.0

88 15.5 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

8.87

300000

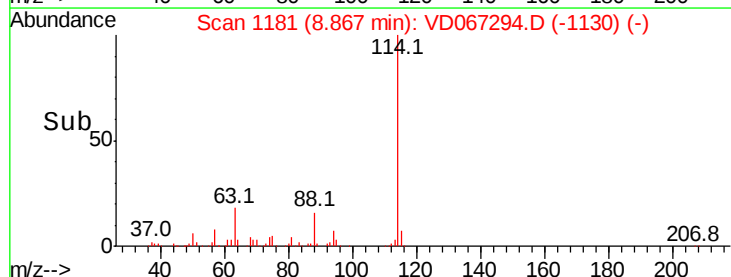
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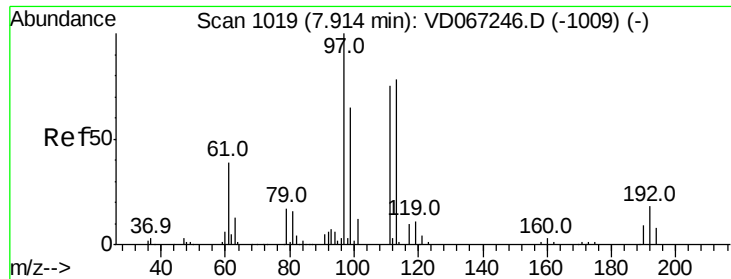
100000

0

8.75 8.80 8.85 8.90 8.95

Time-->





#35

Dibromofluoromethane

Concen: 48.415 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067294.D

Acq: 16 Oct 2020 12:50

Instrument :

MSVOA_D

ClientSampleId :

BU-01-101420

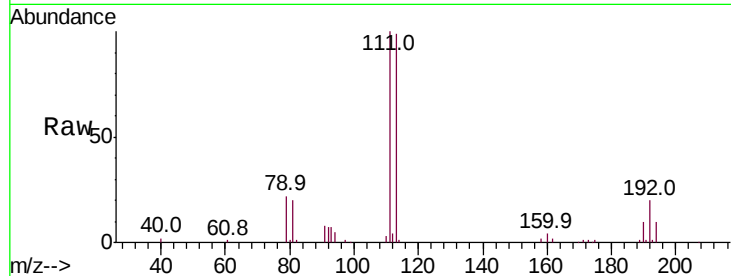
Tot Ion:113 Resp: 169912

Ion Ratio Lower Upper

113 100

111 101.9 81.6 122.4

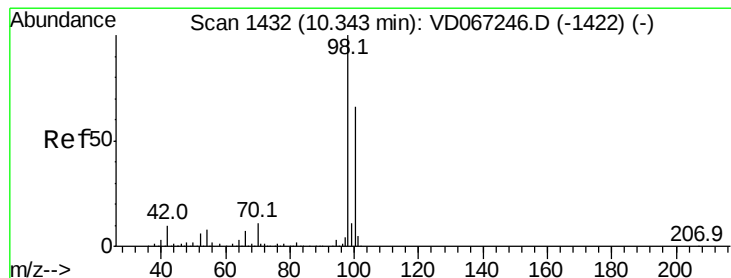
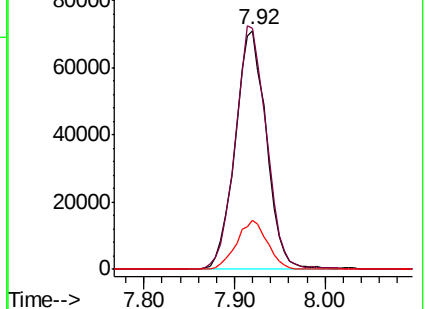
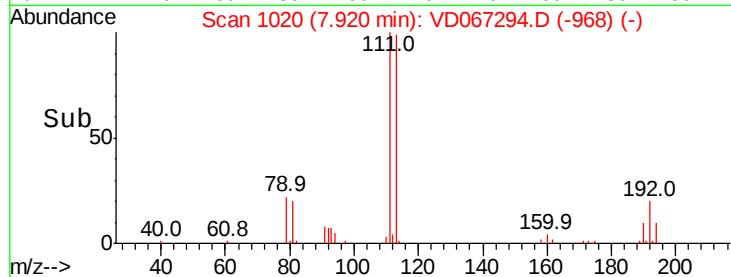
192 20.3 17.0 25.4



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: 48.590 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067294.D

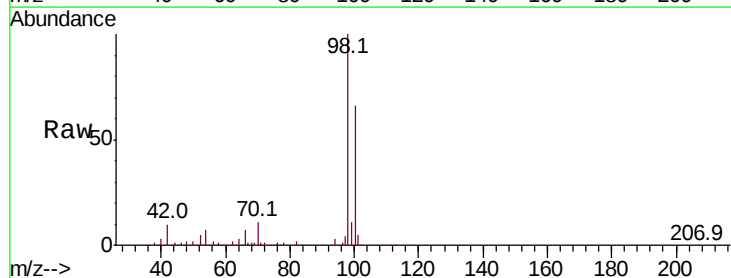
Acq: 16 Oct 2020 12:50

Tgt Ion: 98 Resp: 617126

Ion Ratio Lower Upper

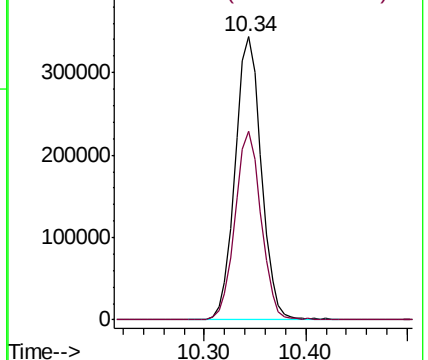
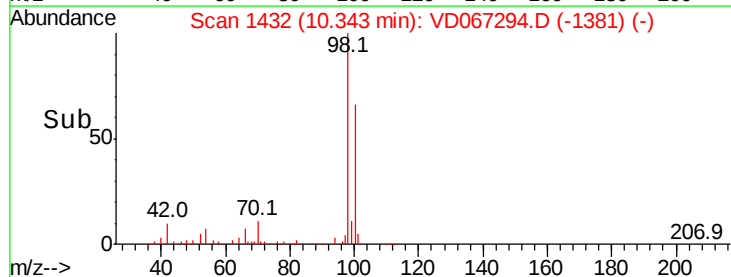
98 100

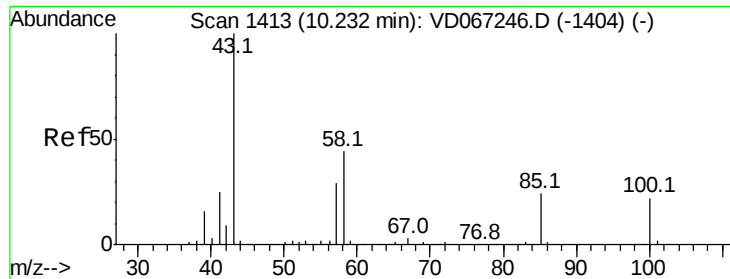
100 66.2 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.167 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067294.D

Acq: 16 Oct 2020 12:50

Instrument :

MSVOA_D

ClientSampleId :

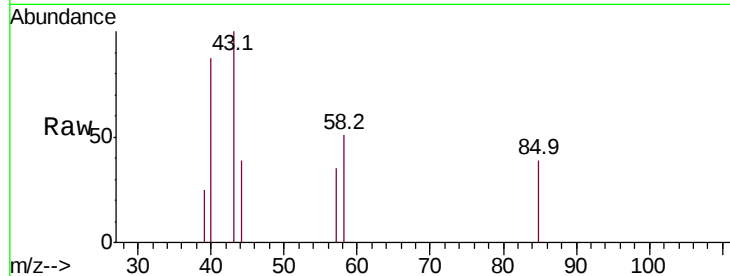
BU-01-101420

Tot Ion: 43 Resp: 1519

Ion Ratio Lower Upper

43 100

58 41.9 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

800

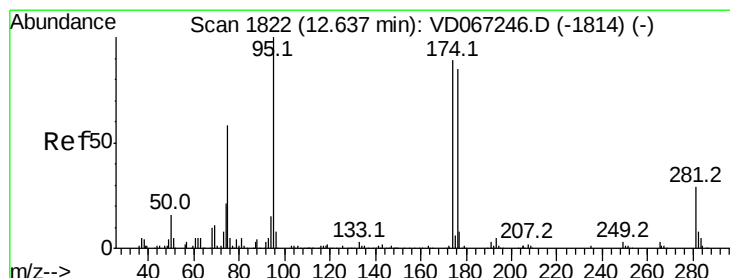
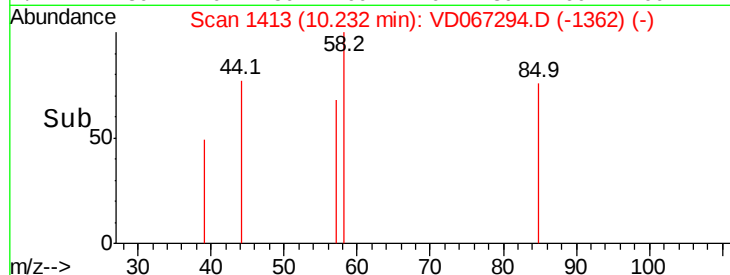
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.308 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067294.D

Acq: 16 Oct 2020 12:50

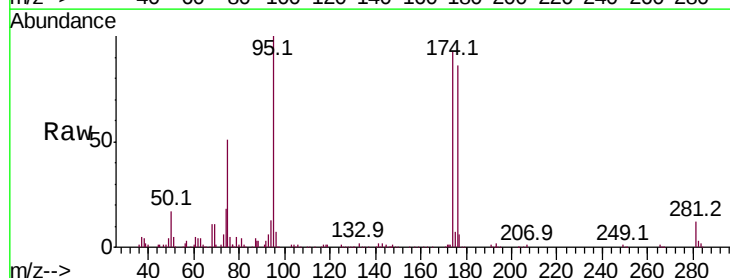
Tgt Ion: 95 Resp: 195679

Ion Ratio Lower Upper

95 100

174 89.4 0.0 175.2

176 85.2 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

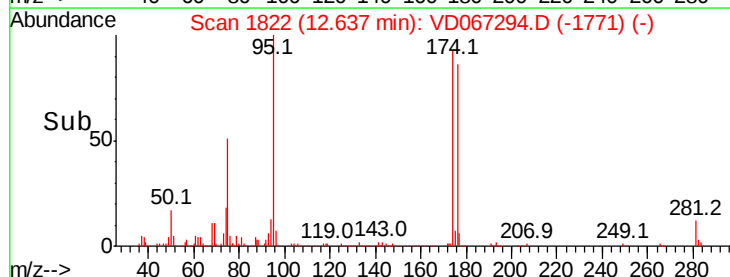
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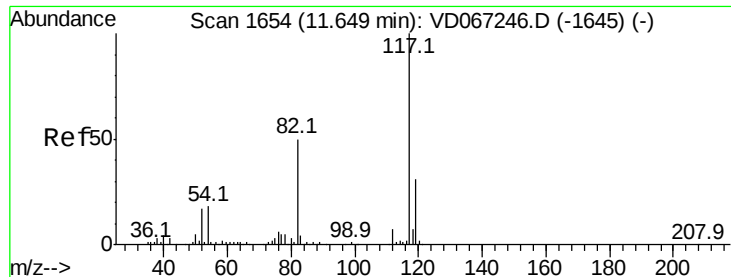
100000

50000

0

Time-->

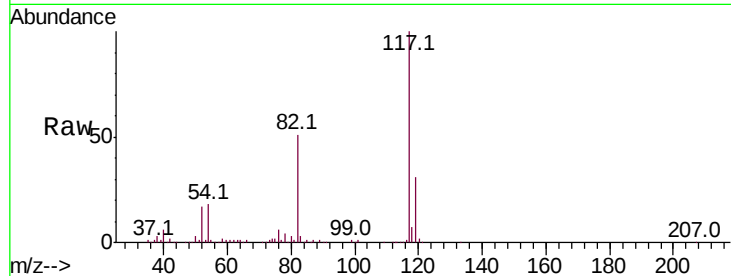




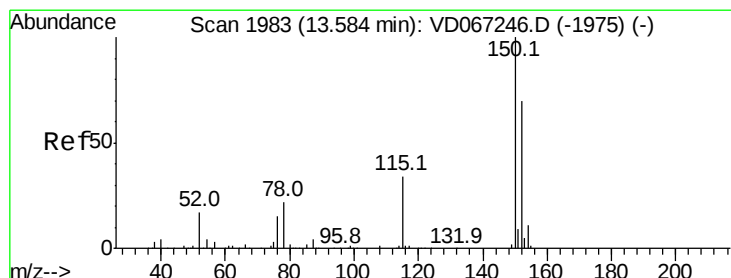
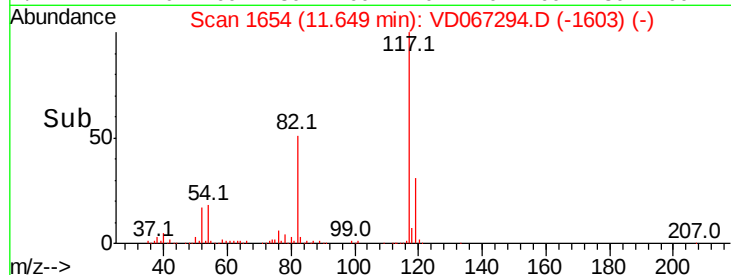
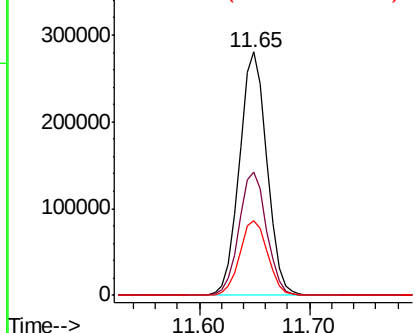
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067294.D
Acq: 16 Oct 2020 12:50

Instrument :
MSVOA_D
ClientSampleId :
BU-01-101420

Tot Ion:117 Resp: 491128
Ion Ratio Lower Upper
117 100
82 50.9 39.9 59.9
119 30.9 24.9 37.3

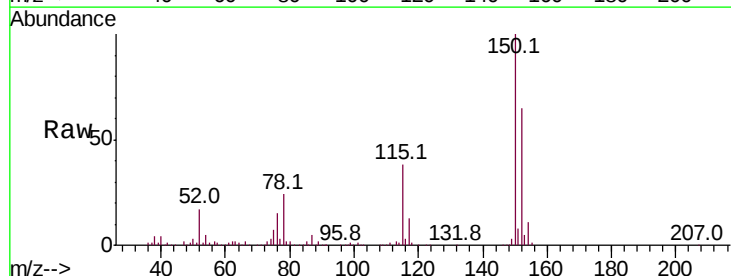


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

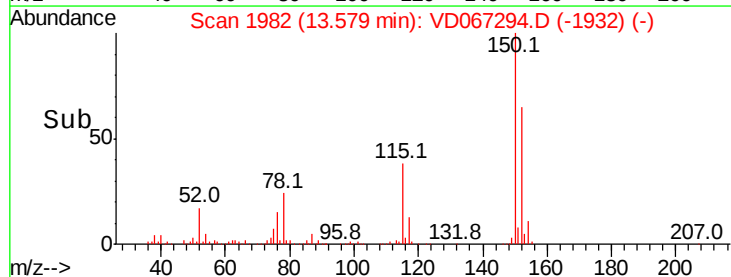
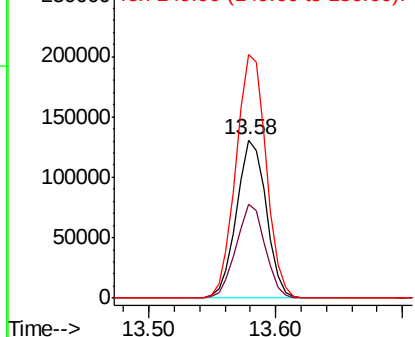


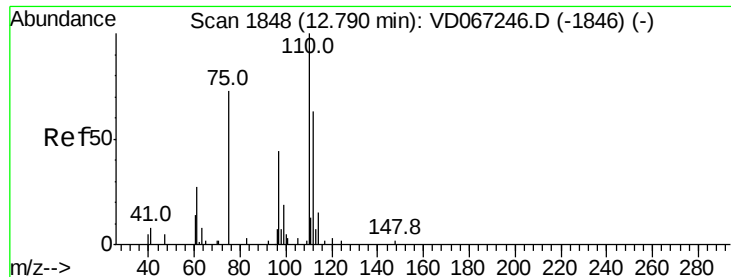
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067294.D
Acq: 16 Oct 2020 12:50

Tgt Ion:152 Resp: 212670
Ion Ratio Lower Upper
152 100
115 57.9 29.3 87.9
150 156.3 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: 68.830 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067294.D

Acq: 16 Oct 2020 12:50

Instrument :

MSVOA_D

ClientSampleId :

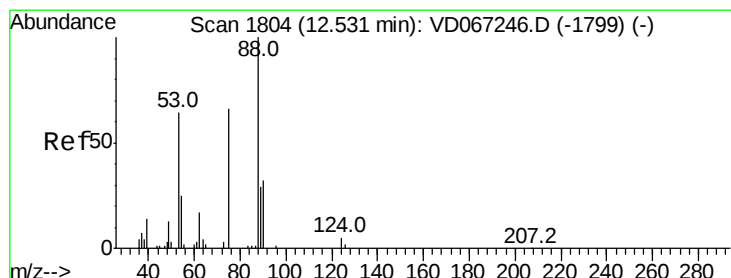
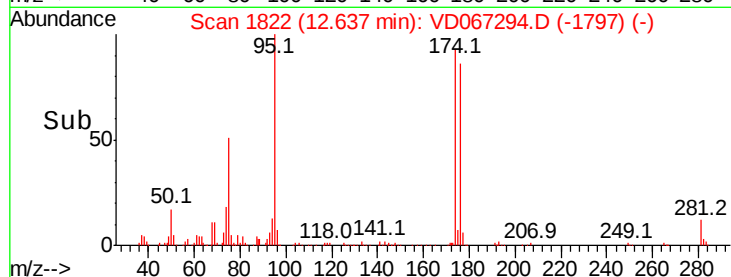
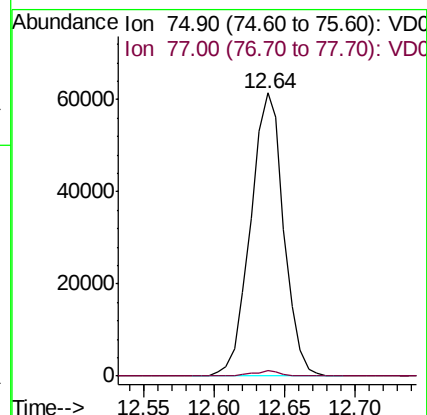
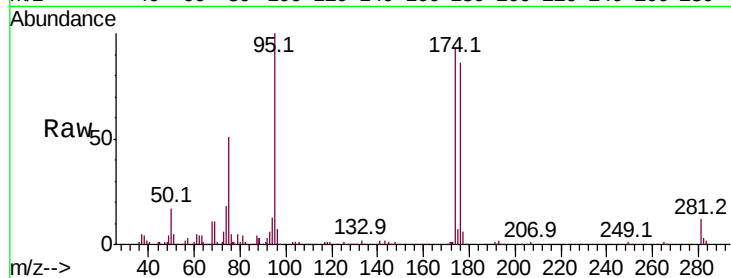
BU-01-101420

Tot Ion: 75 Resp: 101456

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 156.086 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067294.D

Acq: 16 Oct 2020 12:50

Tgt Ion: 75 Resp: 101456

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 39.9 59.9#

