

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
 Data File : VD067467.D
 Acq On : 30 Oct 2020 12:33
 Operator : VA/SY
 Sample : L4561-03
 Misc : 7.18G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 STOCKPILE-LOC3-SO-0003

Quant Time: Oct 30 13:19:54 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	301420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	489219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	486016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	242202	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	152970	50.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.32%	
35) Dibromofluoromethane	7.93	113	156741	48.14	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	96.28%	
50) Toluene-d8	10.34	98	576656	48.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.88%	
62) 4-Bromofluorobenzene	12.64	95	208077	50.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.58%	

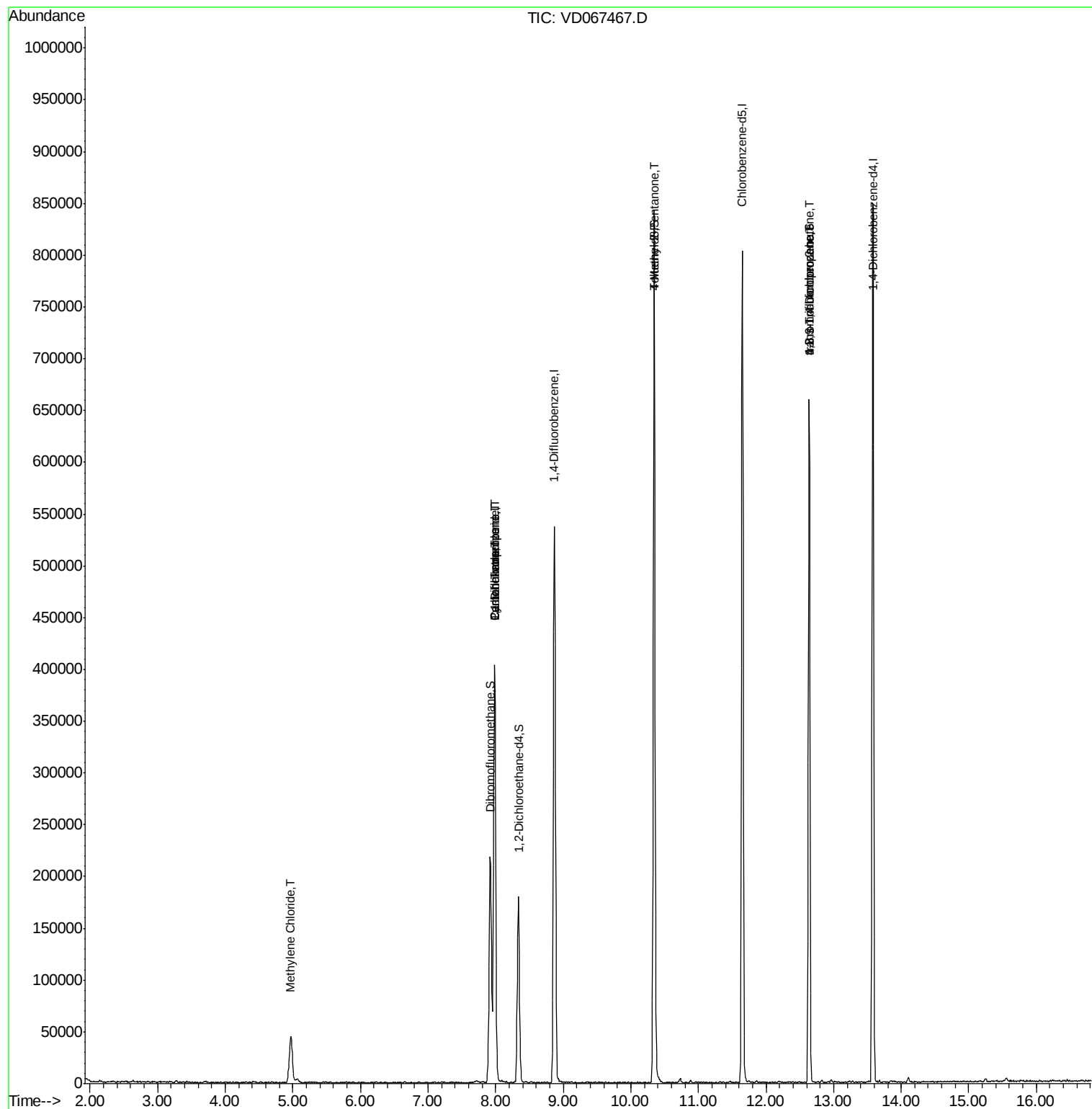
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	419	Below Cal	#	44
5) Bromomethane	2.77	94	164	Below Cal	#	22
20) Methylene Chloride	4.96	84	39294	11.004	ug/l	95
31) Cyclohexane	7.98	56	5827	1.675	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	21400	5.161	ug/l #	49
38) Carbon Tetrachloride	7.98	117	31174	5.882	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	2317	1.919	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	106158	63.239	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	106158	143.406	ug/l #	10

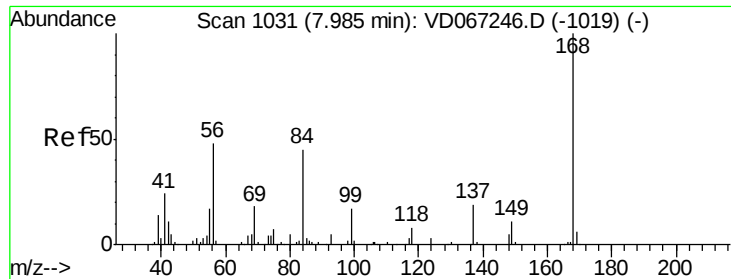
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 30 13:19:54 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: VD067467.D

Acq: 30 Oct 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

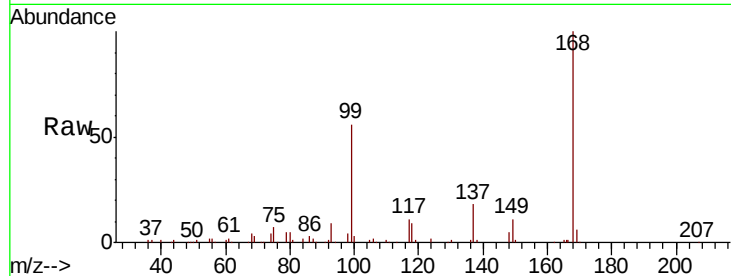
STOCKPILE-LOC3-SO-0003

Tot Ion:168 Resp: 301420

Ion Ratio Lower Upper

168 100

99 55.5 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

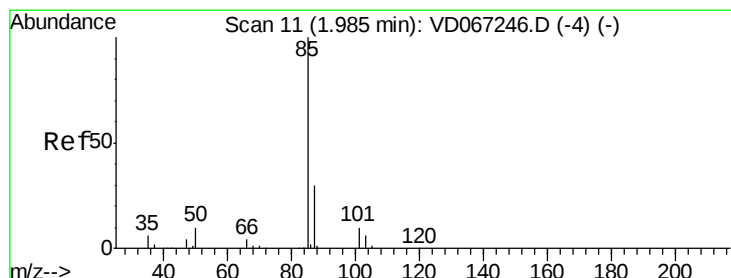
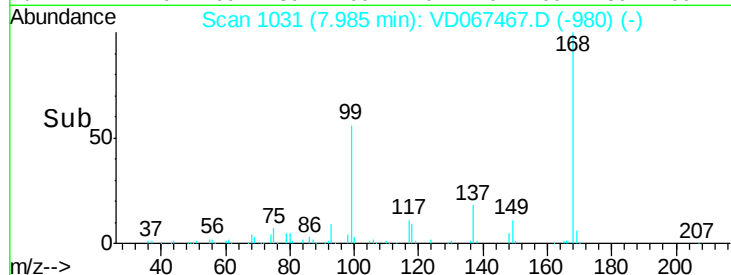
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067467.D

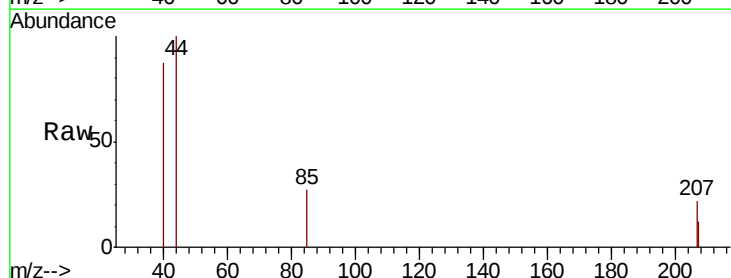
Acq: 30 Oct 2020 12:33

Tgt Ion: 85 Resp: 419

Ion Ratio Lower Upper

85 100

87 0.0 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

500

400

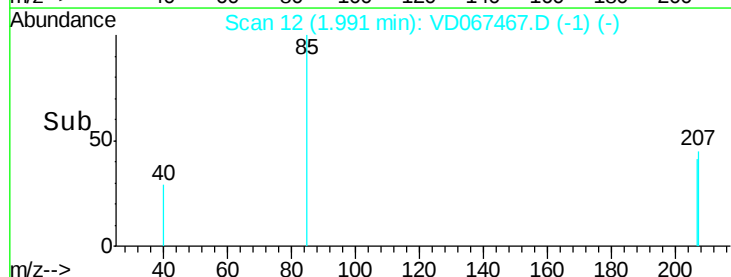
300

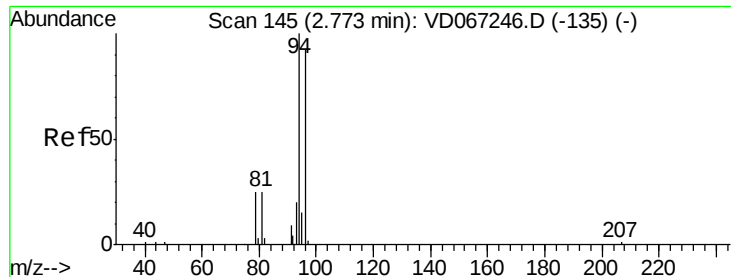
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067467.D

Acq: 30 Oct 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

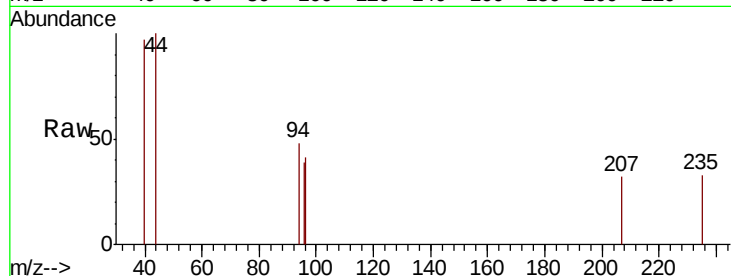
STOCKPILE-LOC3-SO-0003

Tot Ion: 94 Resp: 164

Ion Ratio Lower Upper

94 100

96 166.5 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

500

400

300

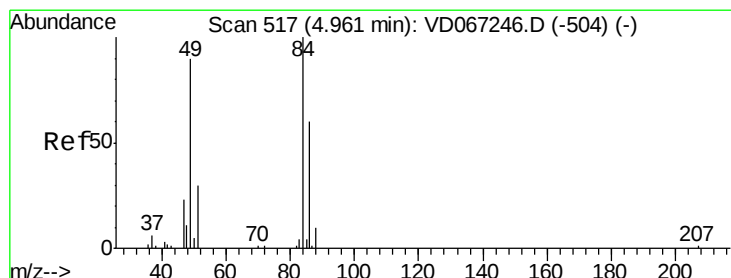
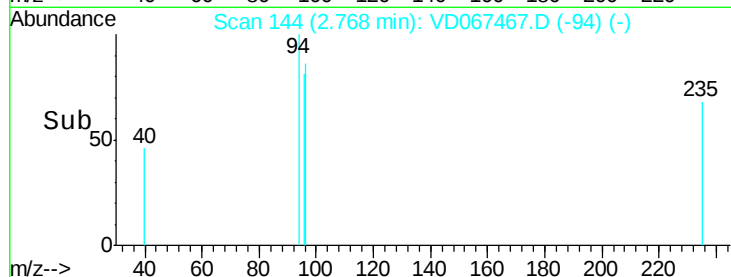
200

100

0

2.74 2.75 2.76 2.77 2.78

Time-->



#20

Methylene Chloride

Concen: 11.004 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067467.D

Acq: 30 Oct 2020 12:33

Tgt Ion: 84 Resp: 39294

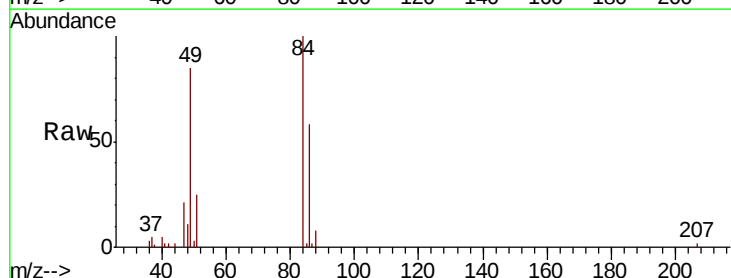
Ion Ratio Lower Upper

84 100

49 85.3 72.2 108.2

51 25.2 23.8 35.8

86 57.6 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

20000

15000

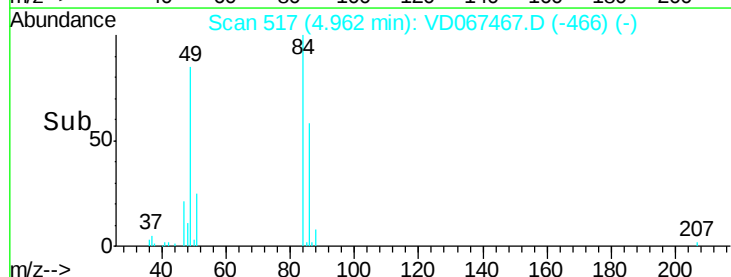
10000

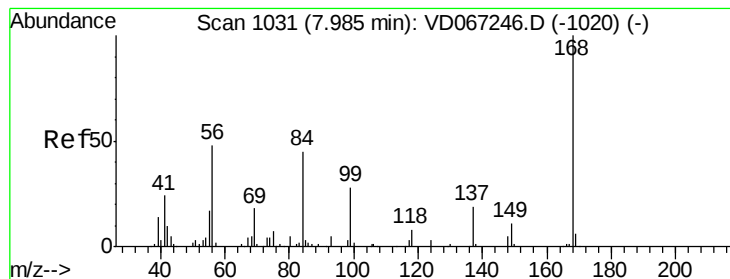
5000

0

4.90 5.00 5.10

Time-->





#31

Cyclohexane

Concen: 1.675 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067467.D

Acq: 30 Oct 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-LOC3-SO-0003

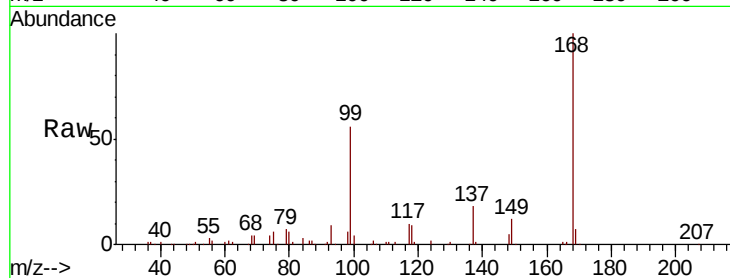
Tot Ion: 56 Resp: 5827

Ion Ratio Lower Upper

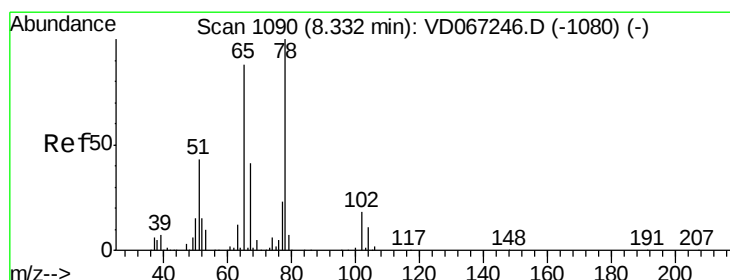
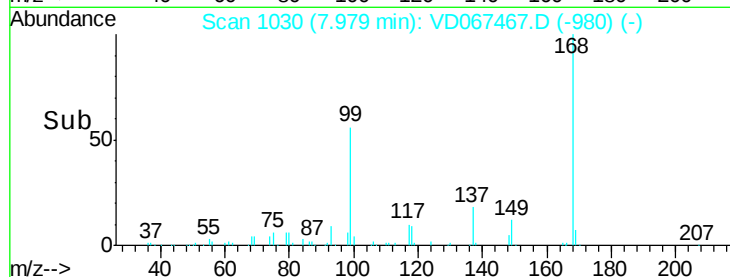
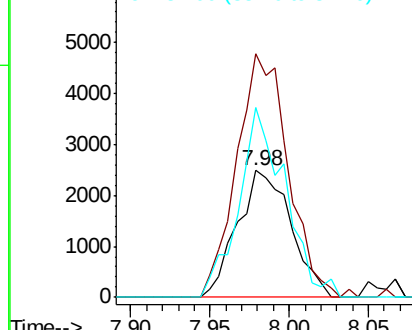
56 100

69 192.4 29.8 44.6#

84 149.8 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: 50.656 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067467.D

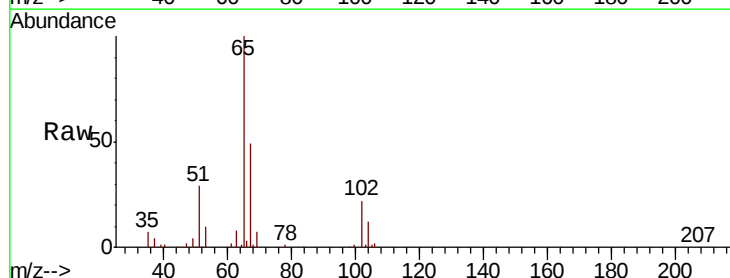
Acq: 30 Oct 2020 12:33

Tgt Ion: 65 Resp: 152970

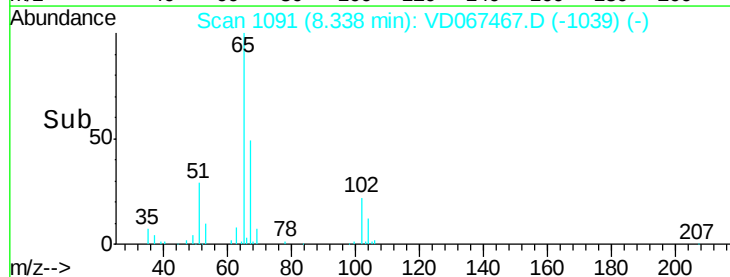
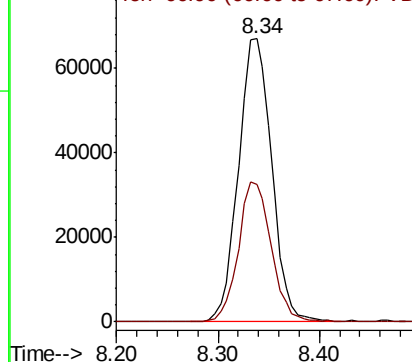
Ion Ratio Lower Upper

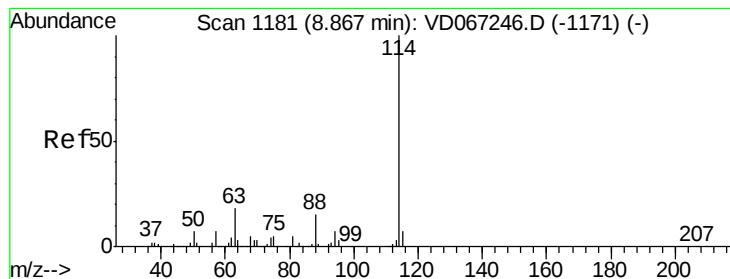
65 100

67 48.7 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# 1182

Delta R.T. 0.01 min

Lab File: VD067467.D

Acq: 30 Oct 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-LOC3-SO-0003

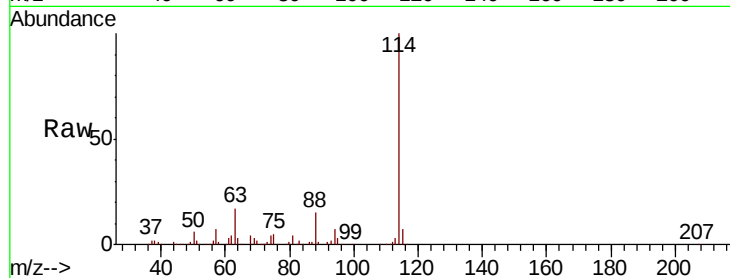
Tot Ion:114 Resp: 489219

Ion Ratio Lower Upper

114 100

63 16.8 0.0 35.0

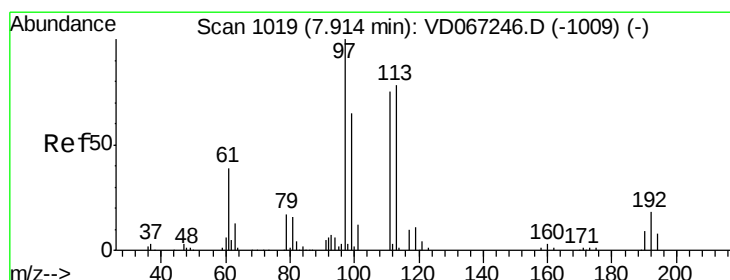
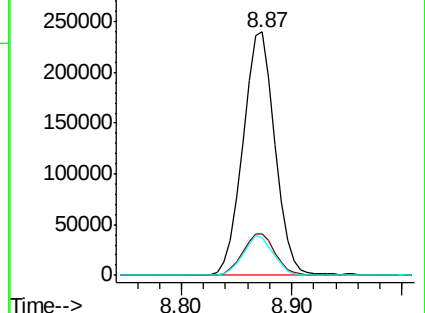
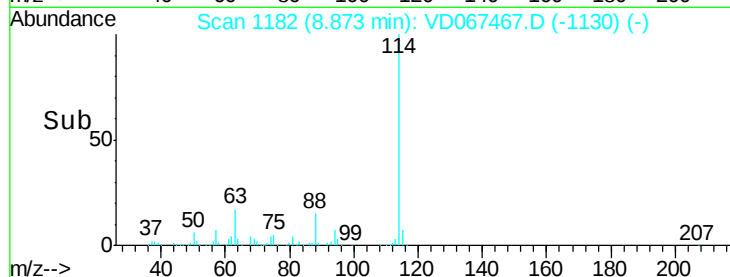
88 15.2 0.0 30.6



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: 48.143 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VD067467.D

Acq: 30 Oct 2020 12:33

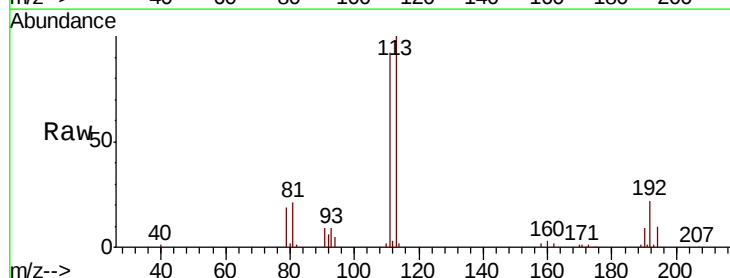
Tgt Ion:113 Resp: 156741

Ion Ratio Lower Upper

113 100

111 102.7 81.6 122.4

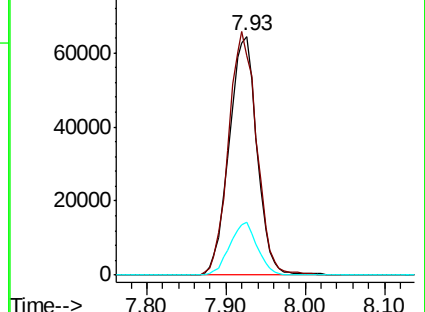
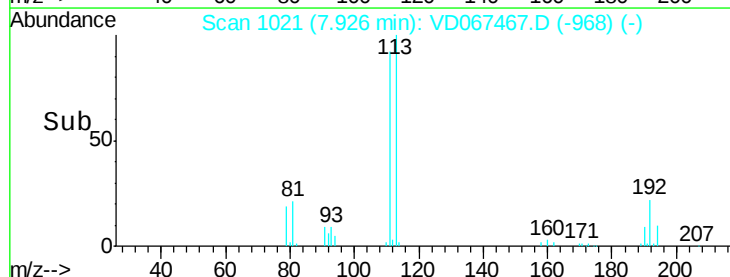
192 21.7 17.0 25.4

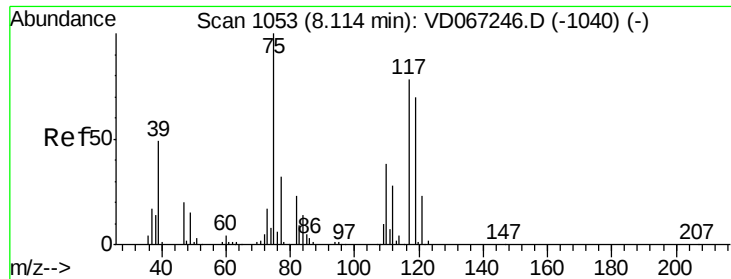


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.161 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067467.D

Acq: 30 Oct 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-LOC3-SO-0003

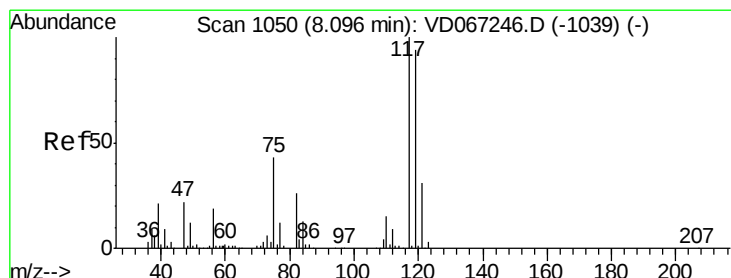
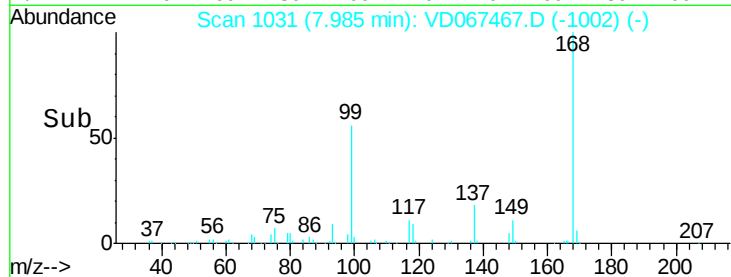
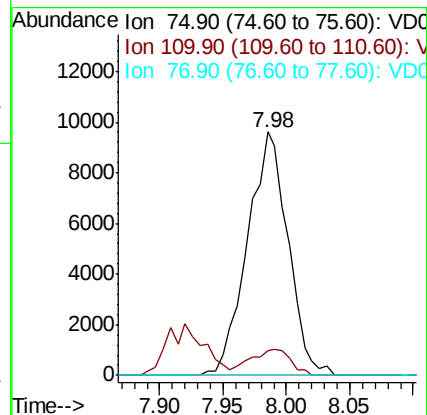
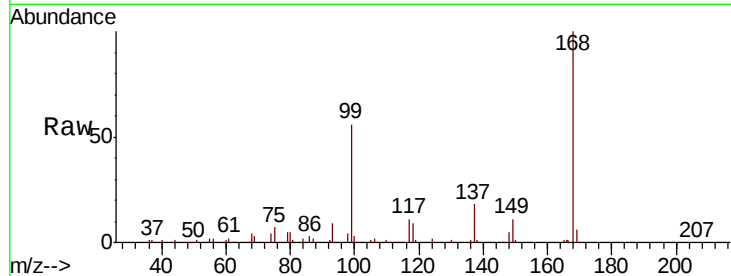
Tot Ion: 75 Resp: 21400

Ion Ratio Lower Upper

75 100

110 10.6 19.6 58.7#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.882 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067467.D

Acq: 30 Oct 2020 12:33

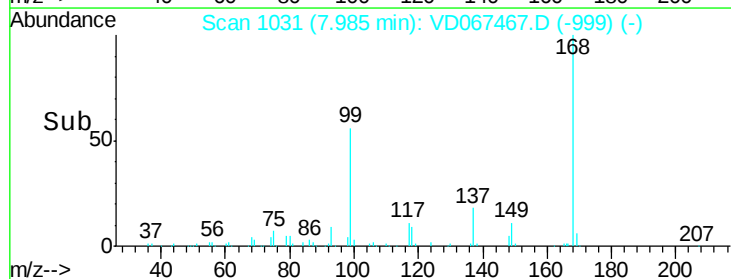
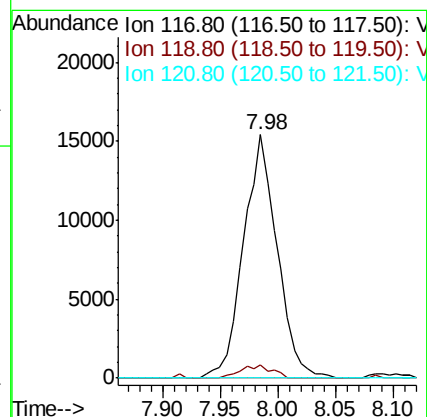
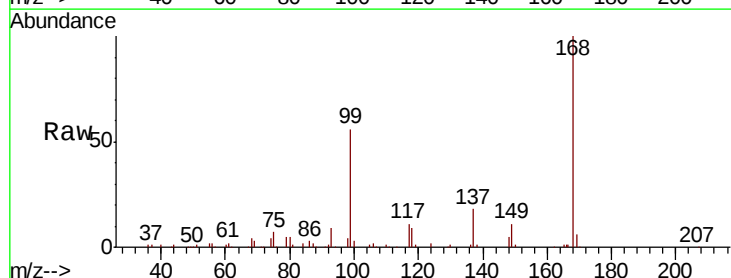
Tgt Ion: 117 Resp: 31174

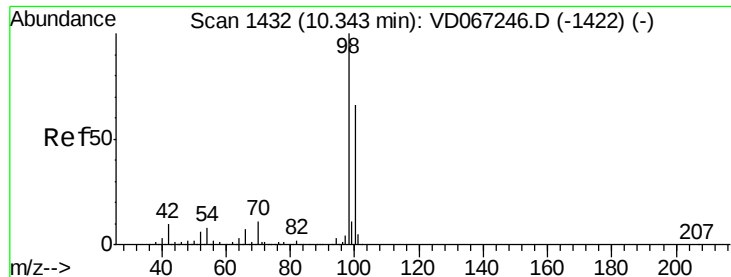
Ion Ratio Lower Upper

117 100

119 5.4 75.0 112.4#

121 0.0 24.9 37.3#

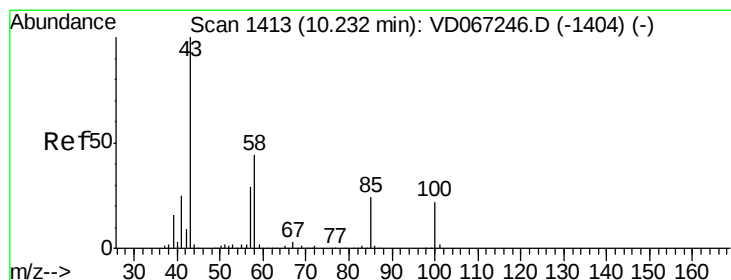
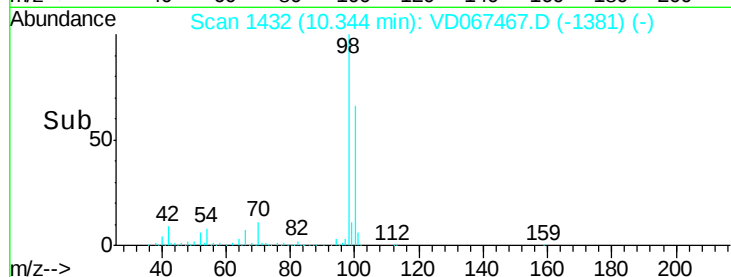
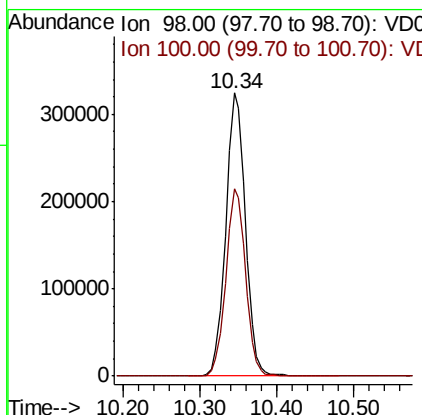
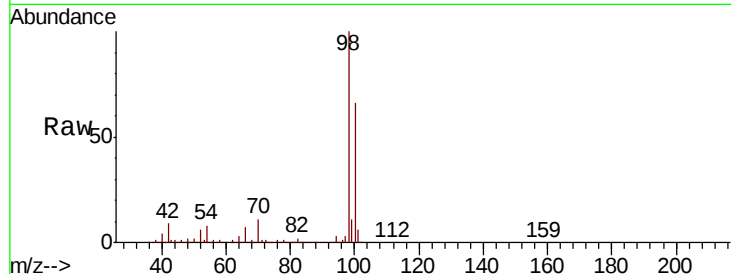




#50
Toluene-d8
Concen: 48.943 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067467.D
Acq: 30 Oct 2020 12:33

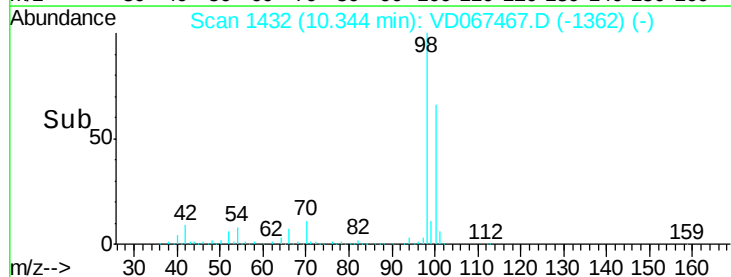
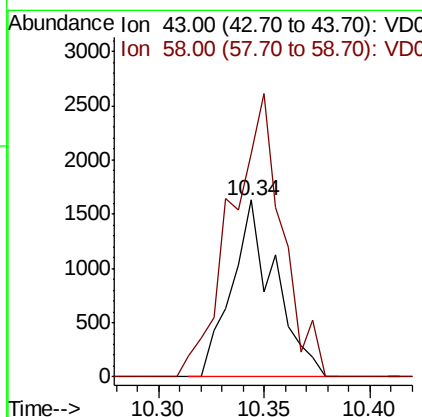
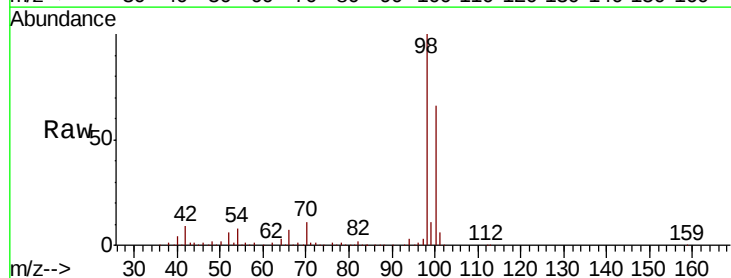
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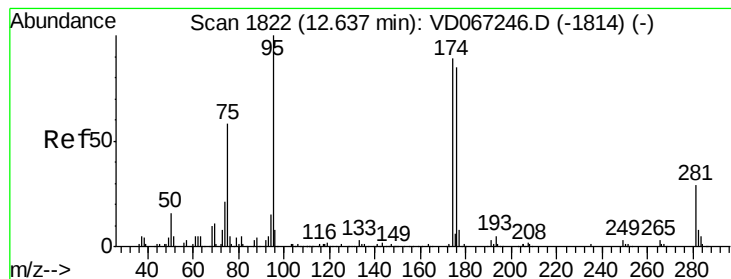
Tot Ion: 98 Resp: 576656
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.919 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD067467.D
Acq: 30 Oct 2020 12:33

Tgt Ion: 43 Resp: 2317
Ion Ratio Lower Upper
43 100
58 189.7 35.7 53.5#





#62

4-Bromofluorobenzene

Concen: 50.788 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067467.D

Acq: 30 Oct 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-LOC3-SO-0003

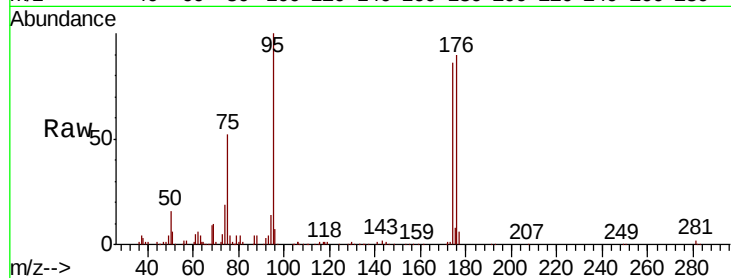
Tot Ion: 95 Resp: 208077

Ion Ratio Lower Upper

95 100

174 88.4 0.0 175.2

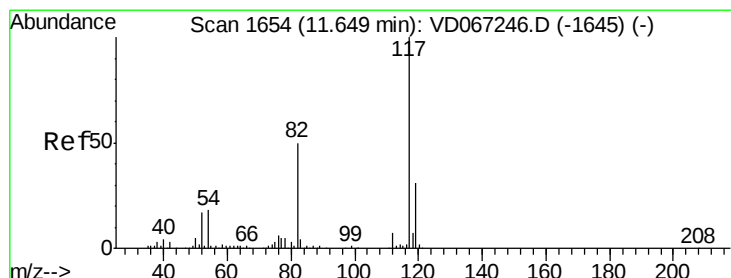
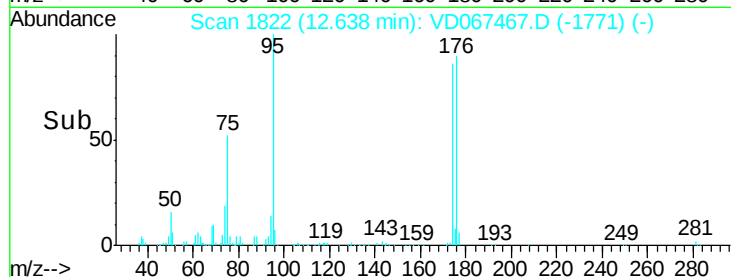
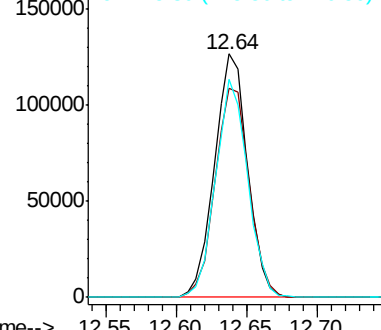
176 86.5 0.0 168.6



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: VD067467.D

Acq: 30 Oct 2020 12:33

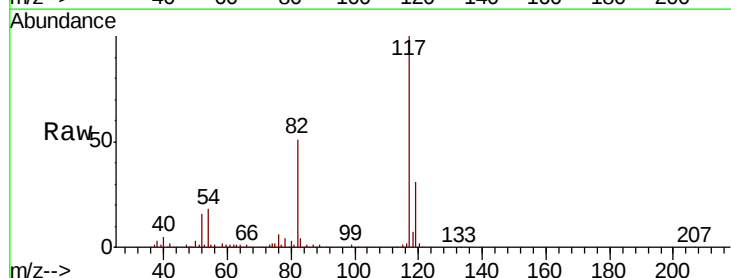
Tgt Ion: 117 Resp: 486016

Ion Ratio Lower Upper

117 100

82 51.4 39.9 59.9

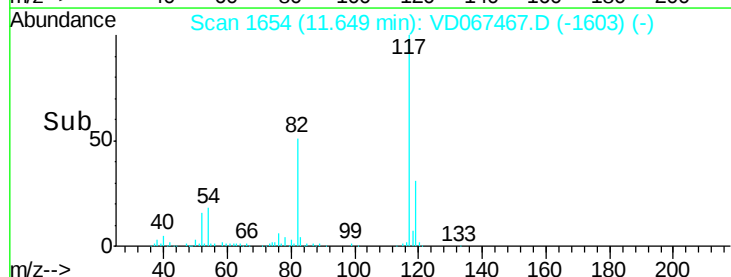
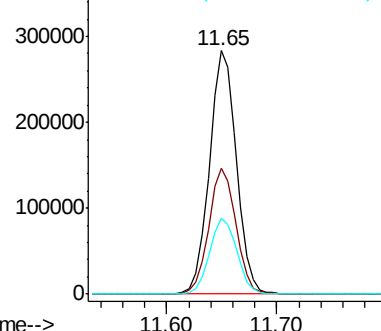
119 31.1 24.9 37.3

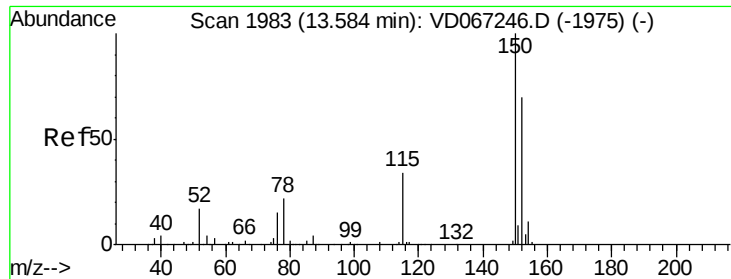


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD067467.D

Acq: 30 Oct 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-LOC3-SO-0003

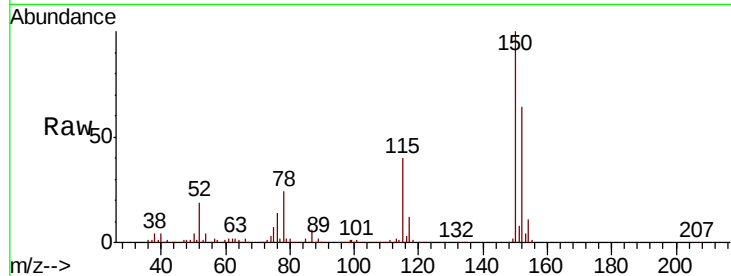
Tot Ion:152 Resp: 242202

Ion Ratio Lower Upper

152 100

115 59.5 29.3 87.9

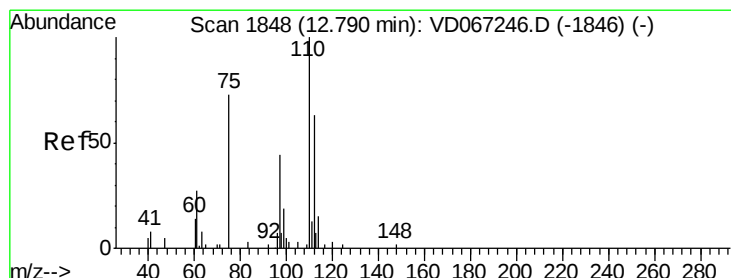
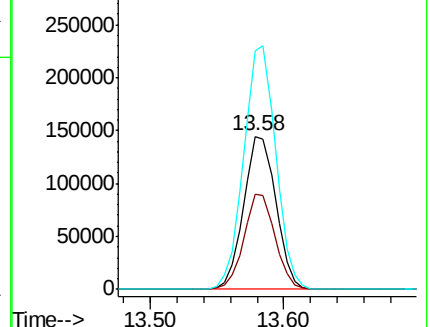
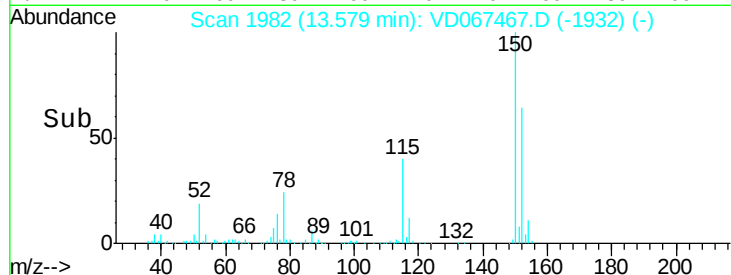
150 157.4 0.0 339.0



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: 63.239 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067467.D

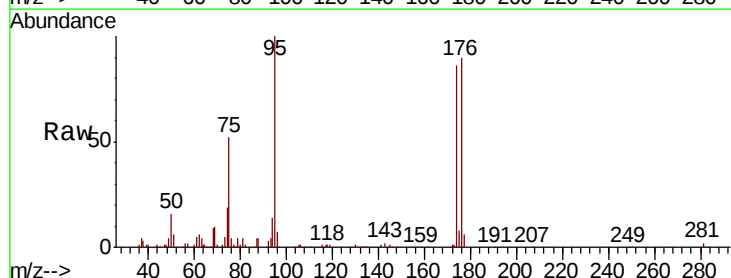
Acq: 30 Oct 2020 12:33

Tgt Ion: 75 Resp: 106158

Ion Ratio Lower Upper

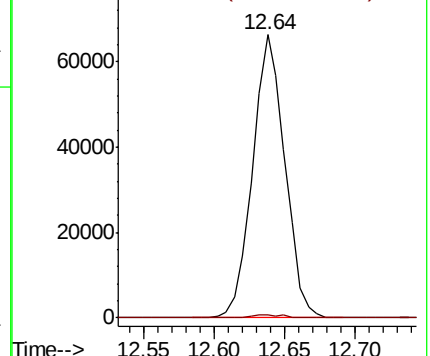
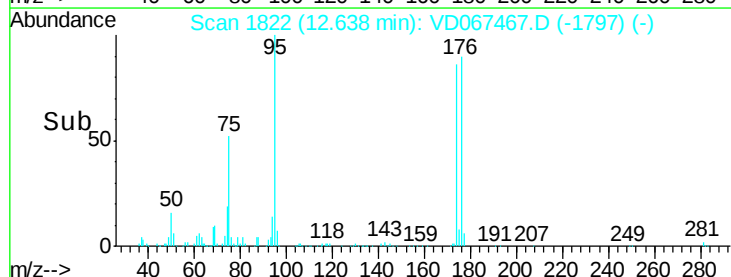
75 100

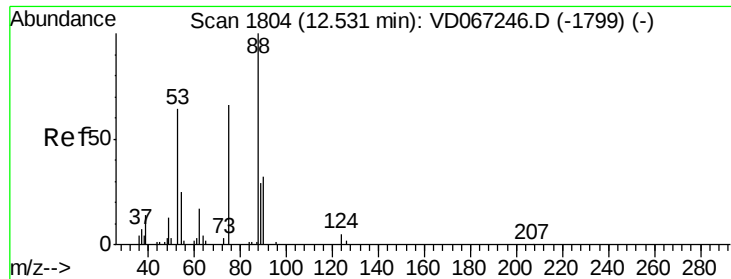
77 1.0 0.0 0.0#



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: 143.406 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067467.D

Acq: 30 Oct 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-LOC3-SO-0003

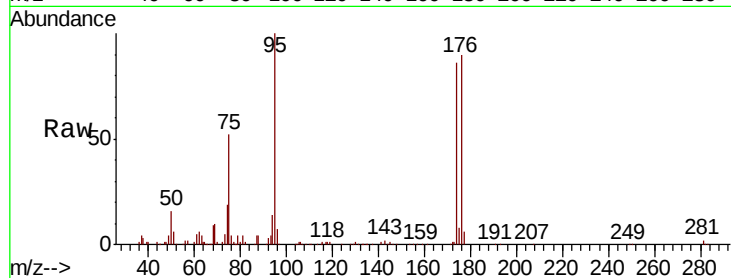
Tot Ion: 75 Resp: 106158

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 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

