

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
 Data File : VD067465.D
 Acq On : 30 Oct 2020 11:38
 Operator : VA/SY
 Sample : L4561-01
 Misc : 8.09G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 STOCKPILE-LOC1-SO-0001

Quant Time: Oct 30 12:09:26 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	345407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	545812	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	531721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	265553	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	159615	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
35) Dibromofluoromethane	7.92	113	169631	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
50) Toluene-d8	10.34	98	642273	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	12.64	95	225847	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	

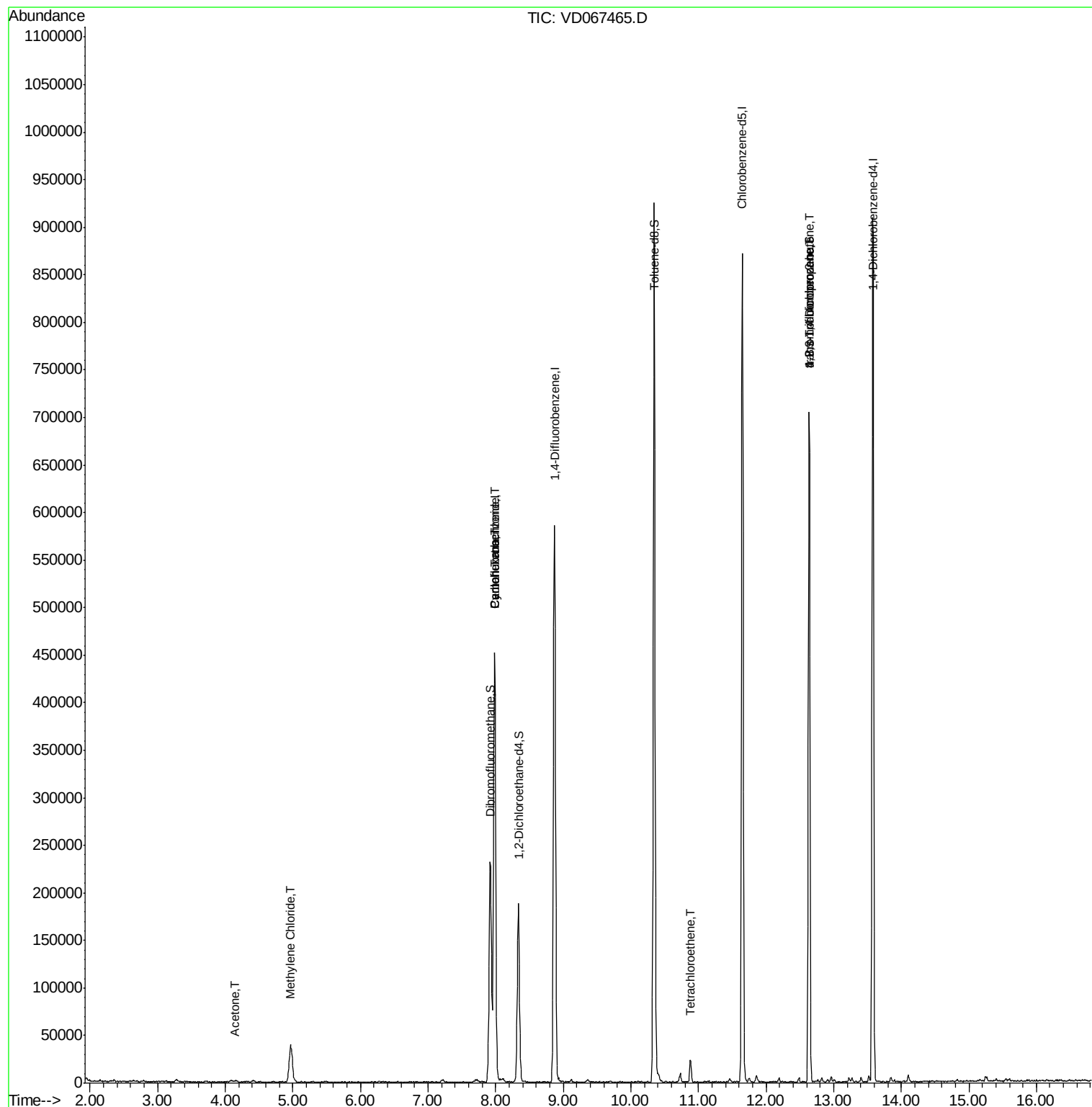
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	737	Below Cal	#	44
5) Bromomethane	2.79	94	1003	Below Cal	#	54
11) Tert butyl alcohol	5.21	59	70	Below Cal	#	81
16) Acetone	4.15	43	1632	3.367	ug/l #	79
20) Methylene Chloride	4.97	84	34409	7.246	ug/l	87
31) Cyclohexane	7.98	56	7141	1.792	ug/l #	38
38) Carbon Tetrachloride	7.98	117	35109	5.938	ug/l #	17
64) Tetrachloroethene	10.88	164	5759	1.495	ug/l #	85
76) 1,2,3-Trichloropropane	12.64	75	117954	64.087	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	117954	145.330	ug/l #	10

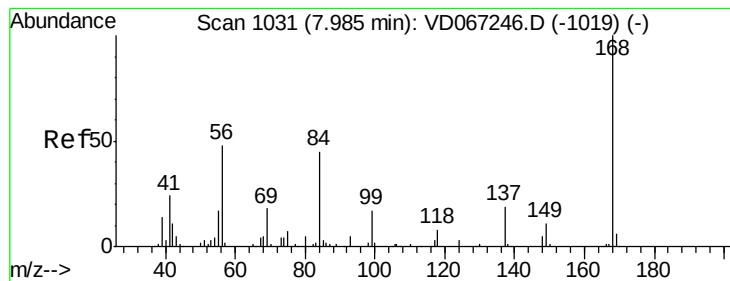
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067465.D

Acq: 30 Oct 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

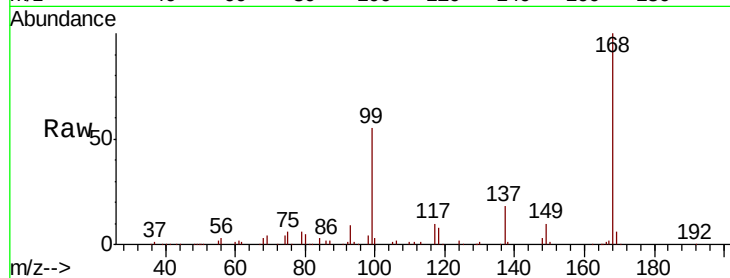
STOCKPILE-LOC1-SO-0001

Tot Ion:168 Resp: 345407

Ion Ratio Lower Upper

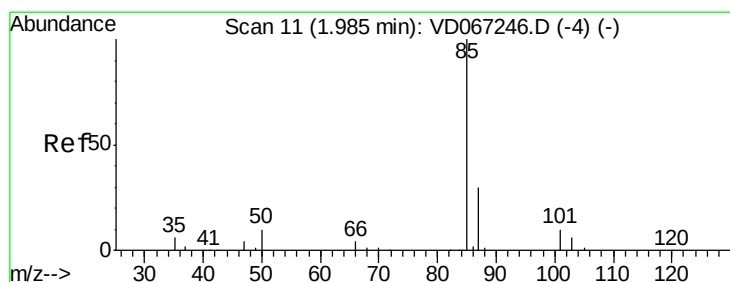
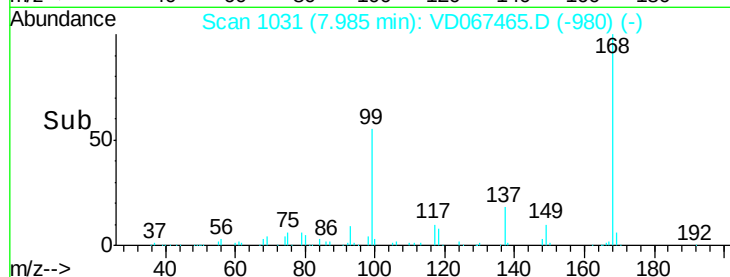
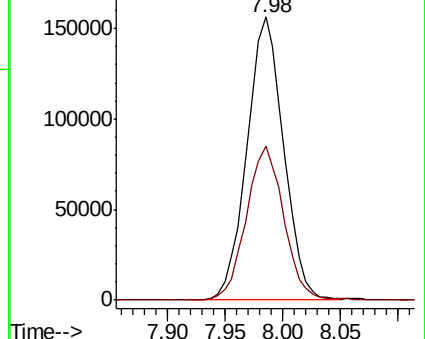
168 100

99 54.5 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067465.D

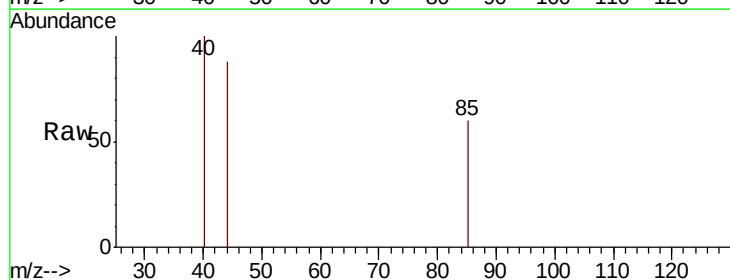
Acq: 30 Oct 2020 11:38

Tgt Ion: 85 Resp: 737

Ion Ratio Lower Upper

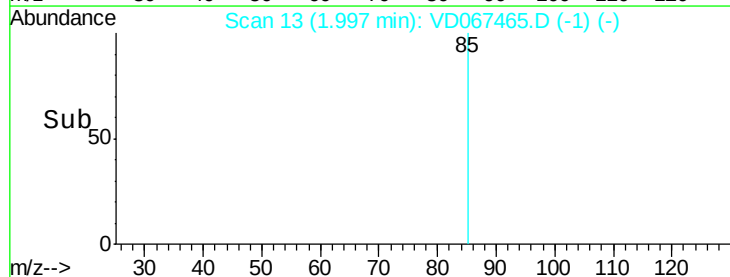
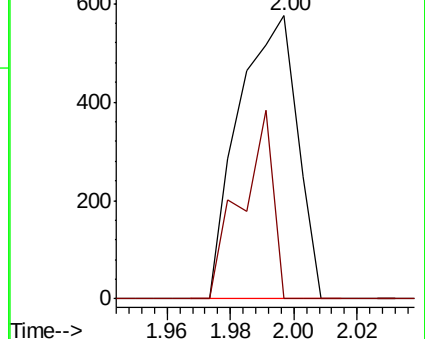
85 100

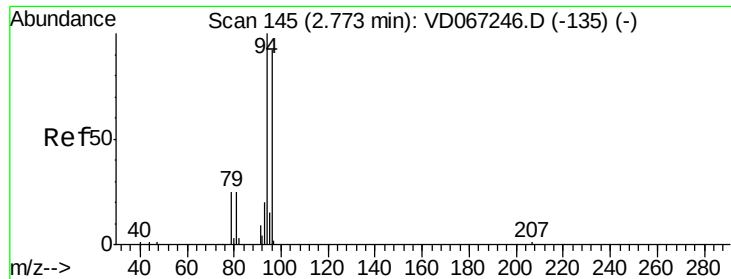
87 0.0 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067465.D

Acq: 30 Oct 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

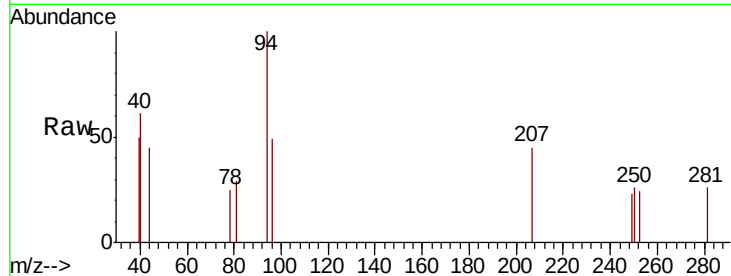
STOCKPILE-LOC1-SO-0001

Tot Ion: 94 Resp: 1003

Ion Ratio Lower Upper

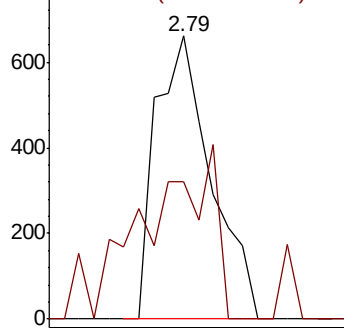
94 100

96 48.6 73.8 110.6#

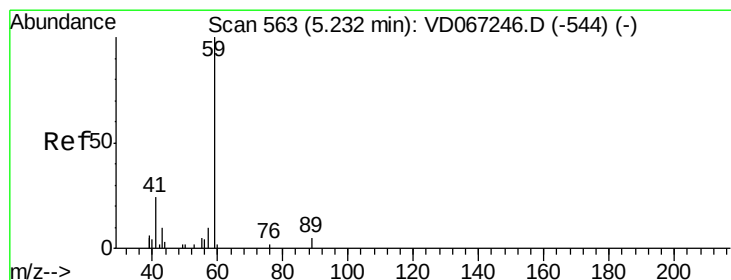
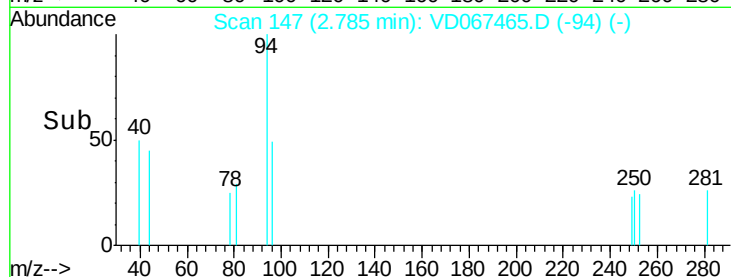


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD067465.D

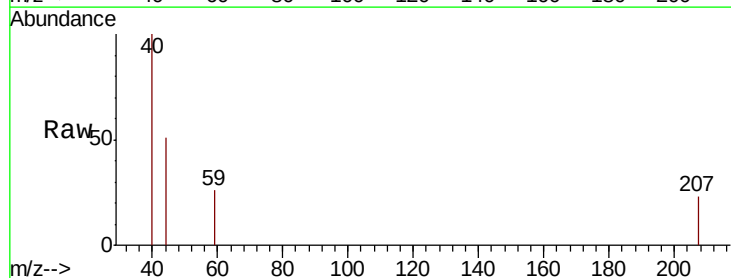
Acq: 30 Oct 2020 11:38

Tgt Ion: 59 Resp: 70

Ion Ratio Lower Upper

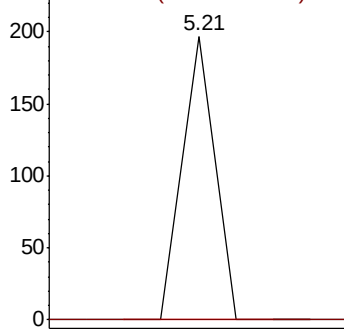
59 100

57 0.0 5.1 7.7#

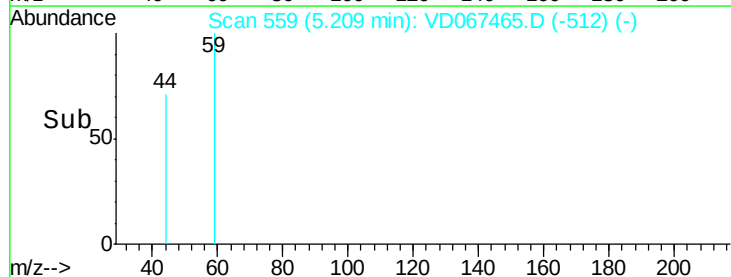


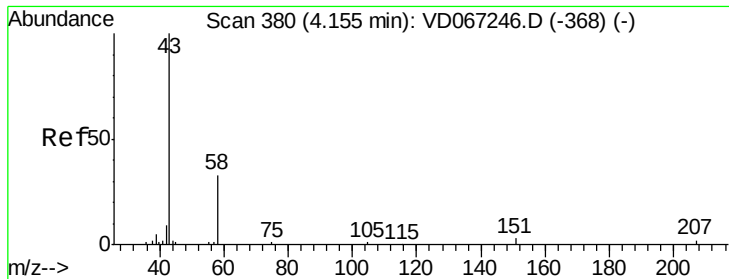
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#16

Acetone

Concen: 3.367 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067465.D

Acq: 30 Oct 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

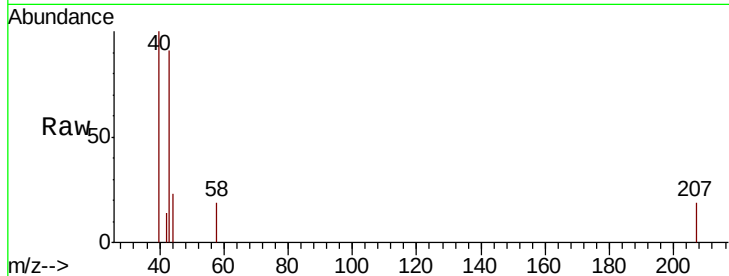
STOCKPILE-LOC1-SO-0001

Tot Ion: 43 Resp: 1632

Ion Ratio Lower Upper

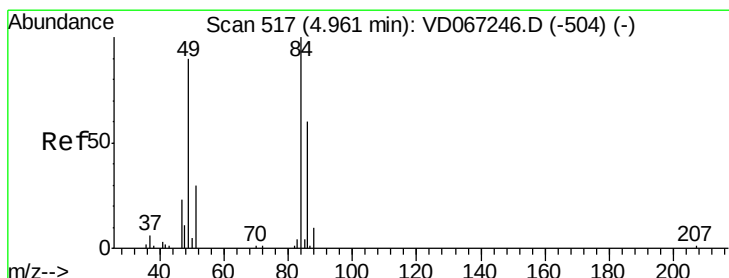
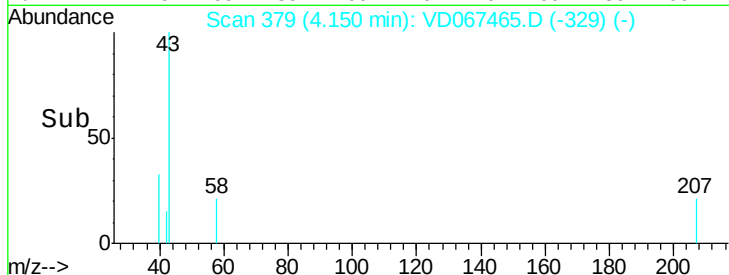
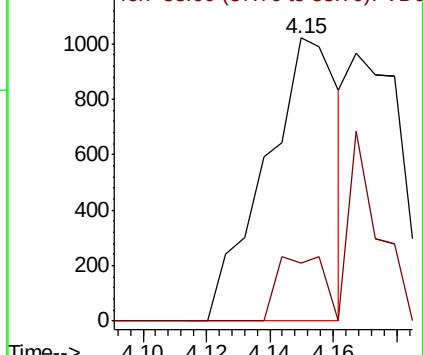
43 100

58 20.7 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: 7.246 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067465.D

Acq: 30 Oct 2020 11:38

Tgt Ion: 84 Resp: 34409

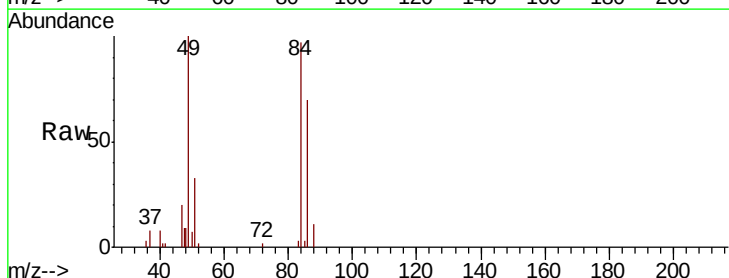
Ion Ratio Lower Upper

84 100

49 103.0 72.2 108.2

51 33.9 23.8 35.8

86 72.2 48.2 72.4

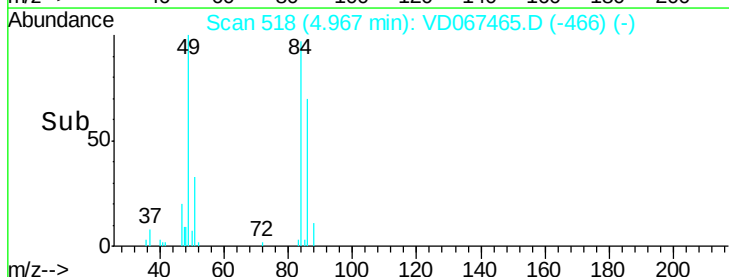
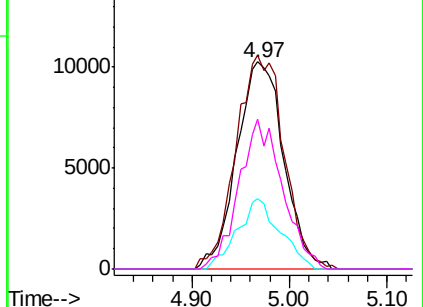


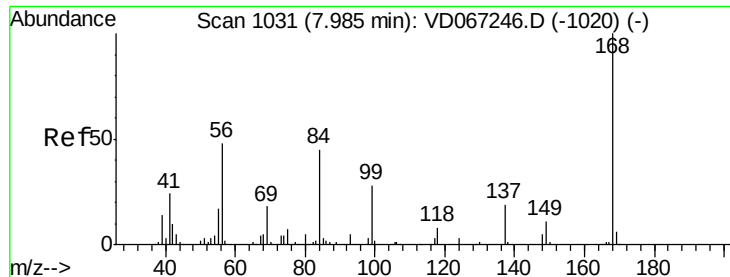
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

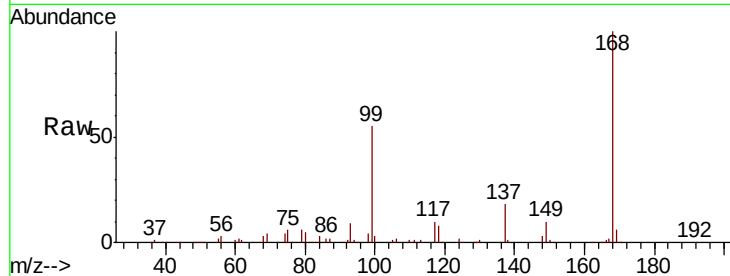




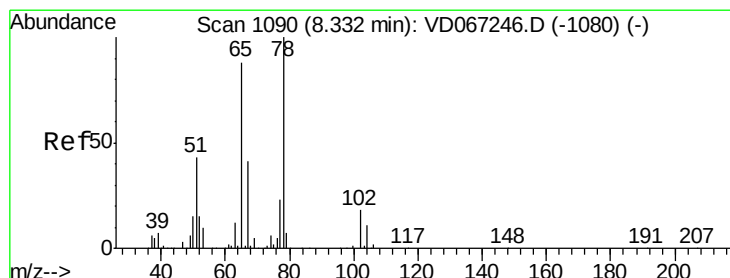
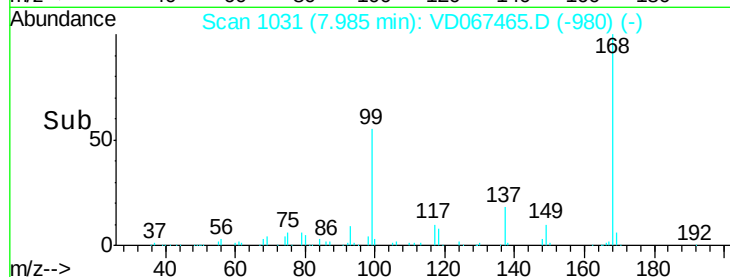
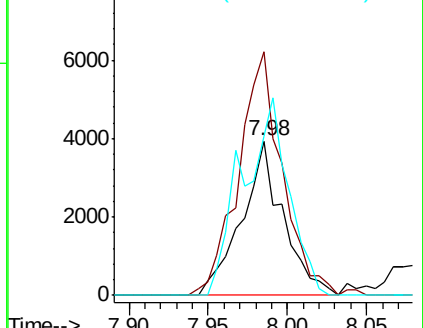
#31
Cyclohexane
Concen: 1.792 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067465.D
Acq: 30 Oct 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-LOC1-SO-0001

Tot Ion: 56 Resp: 7141
Ion Ratio Lower Upper
56 100
69 157.6 29.8 44.6#
84 103.4 76.6 114.8

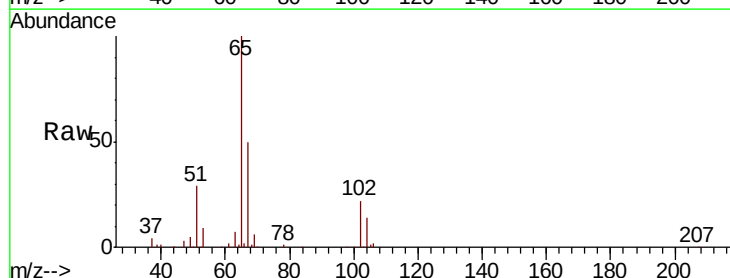


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

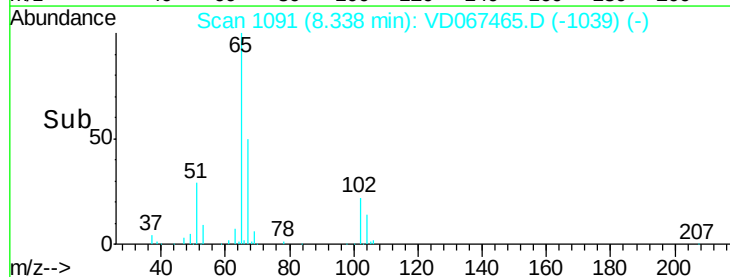
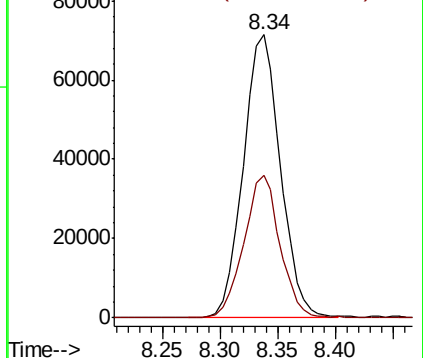


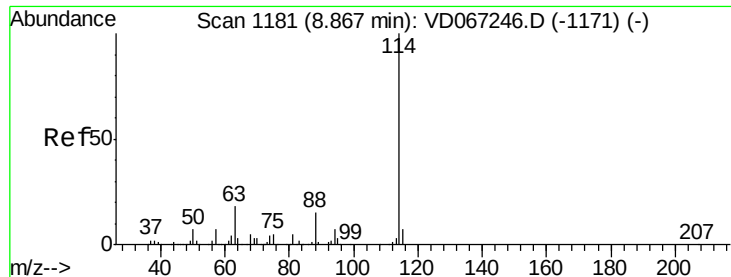
#33
1,2-Dichloroethane-d4
Concen: 46.125 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067465.D
Acq: 30 Oct 2020 11:38

Tgt Ion: 65 Resp: 159615
Ion Ratio Lower Upper
65 100
67 49.0 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: VD067465.D

Acq: 30 Oct 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-LOC1-SO-0001

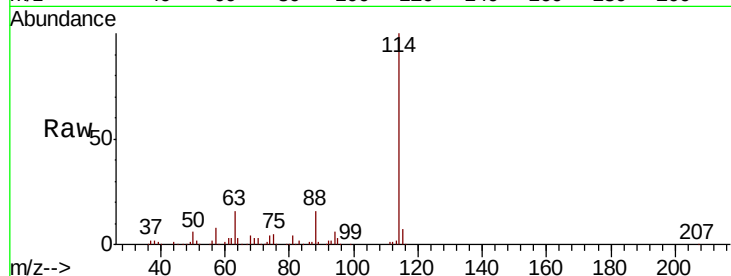
Tot Ion:114 Resp: 545812

Ion Ratio Lower Upper

114 100

63 16.1 0.0 35.0

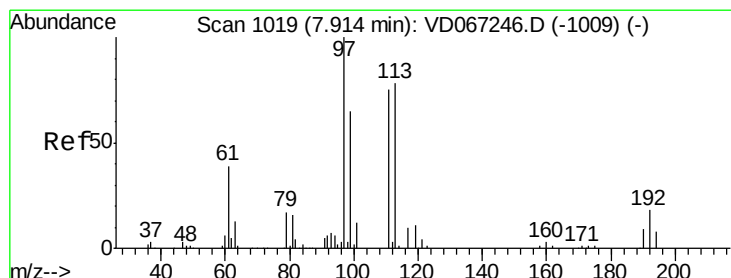
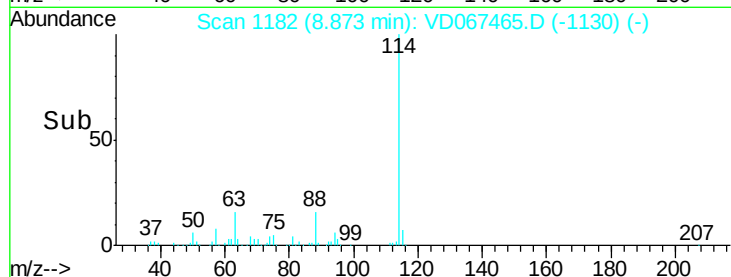
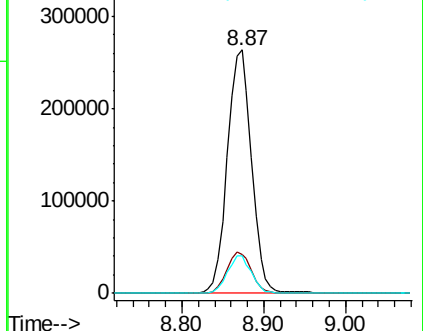
88 15.5 0.0 30.6



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



#35

Dibromofluoromethane

Concen: 46.700 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067465.D

Acq: 30 Oct 2020 11:38

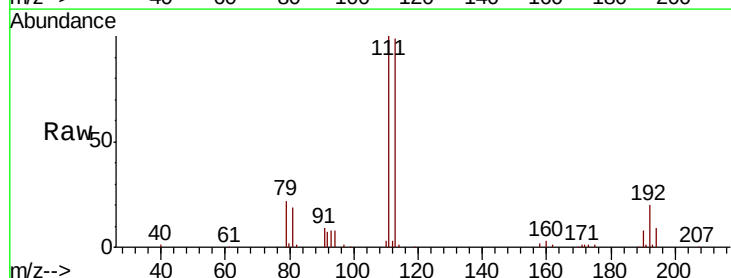
Tgt Ion:113 Resp: 169631

Ion Ratio Lower Upper

113 100

111 103.3 81.6 122.4

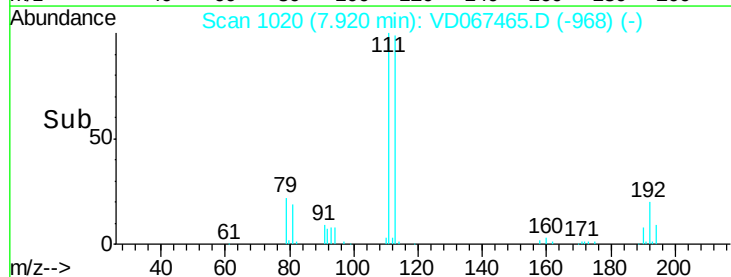
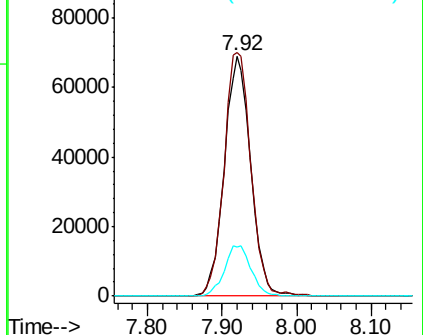
192 21.1 17.0 25.4

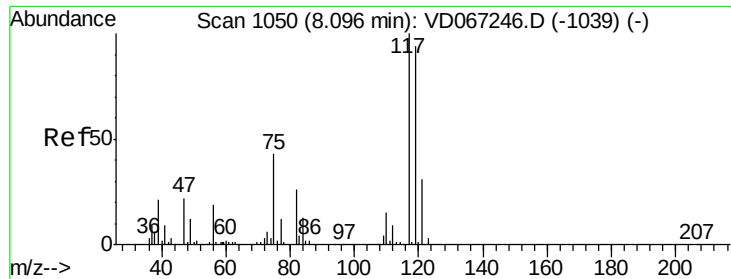


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

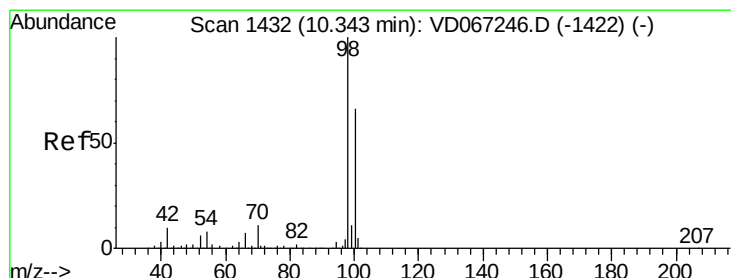
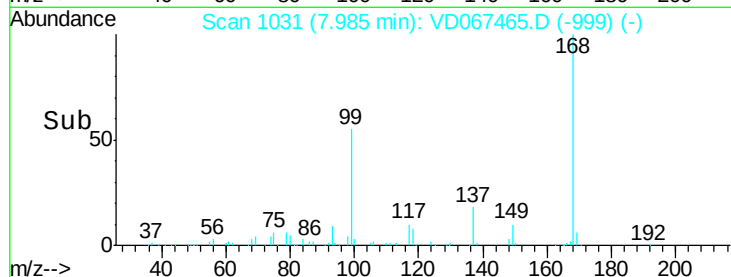
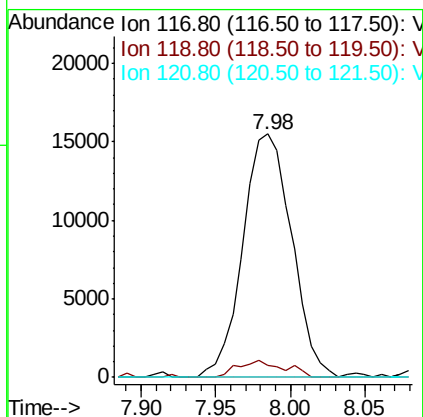
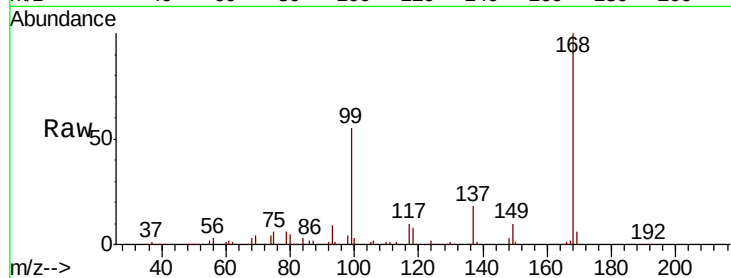




#38
Carbon Tetrachloride
Concen: 5.938 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067465.D
Acq: 30 Oct 2020 11:38

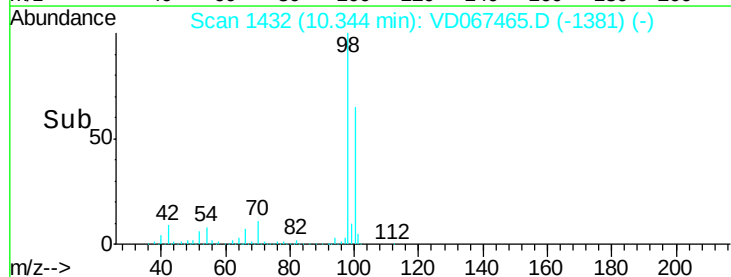
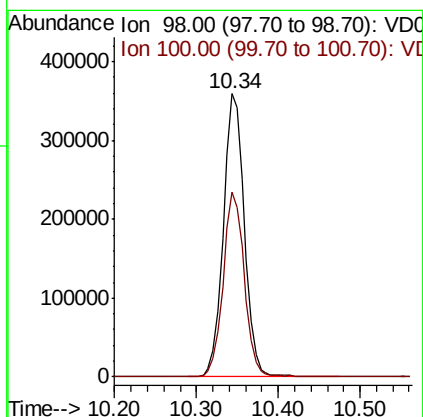
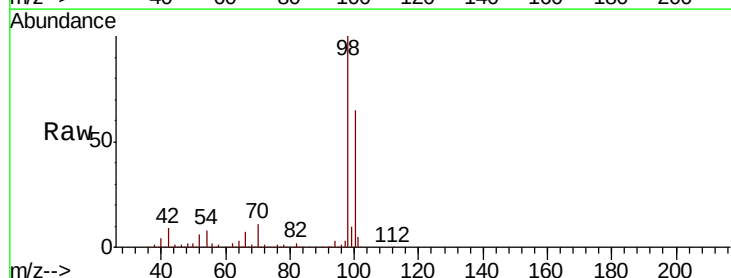
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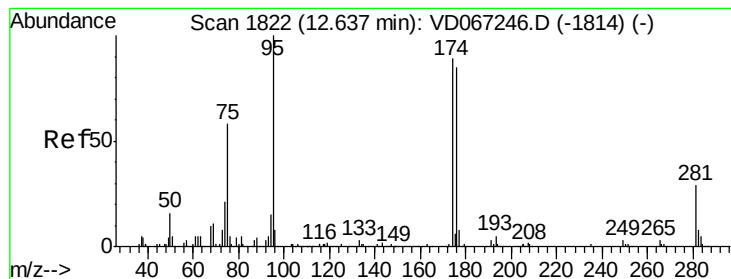
Tot Ion:117 Resp: 35109
Ion Ratio Lower Upper
117 100
119 4.8 75.0 112.4#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 48.860 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067465.D
Acq: 30 Oct 2020 11:38

Tgt Ion: 98 Resp: 642273
Ion Ratio Lower Upper
98 100
100 65.3 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 49.410 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067465.D

Acq: 30 Oct 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-LOC1-SO-0001

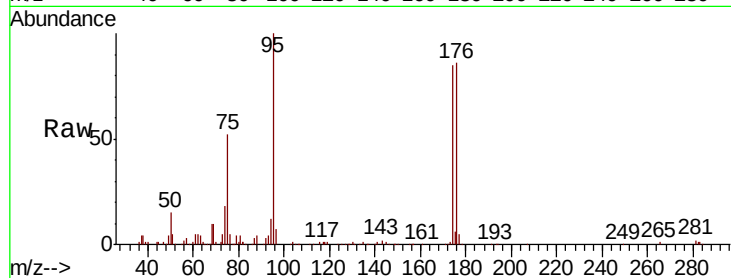
Tot Ion: 95 Resp: 225847

Ion Ratio Lower Upper

95 100

174 89.7 0.0 175.2

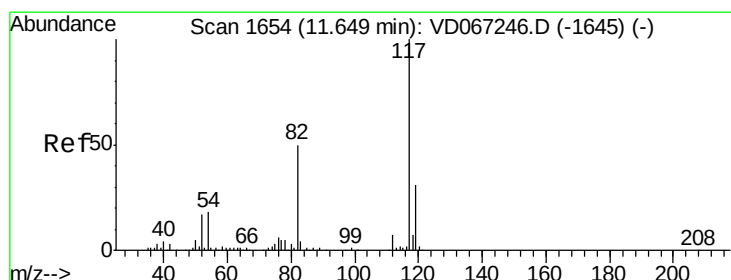
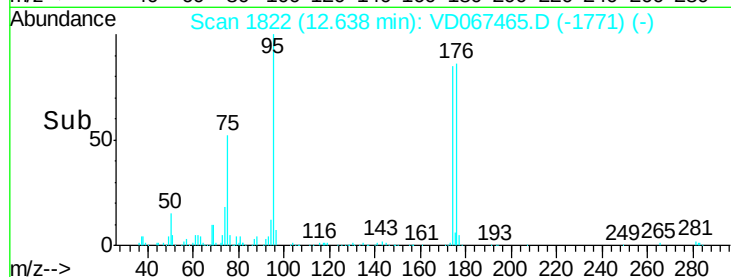
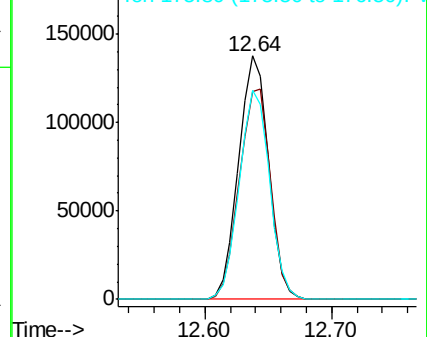
176 86.7 0.0 168.6



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: VD067465.D

Acq: 30 Oct 2020 11:38

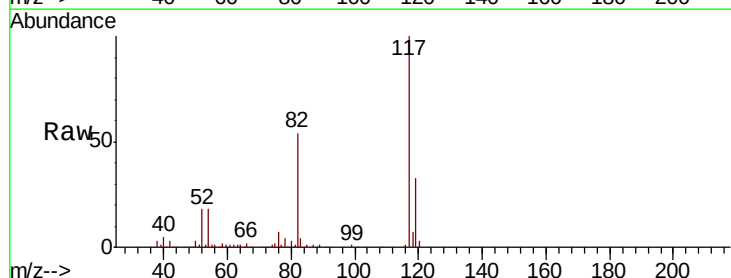
Tgt Ion: 117 Resp: 531721

Ion Ratio Lower Upper

117 100

82 53.5 39.9 59.9

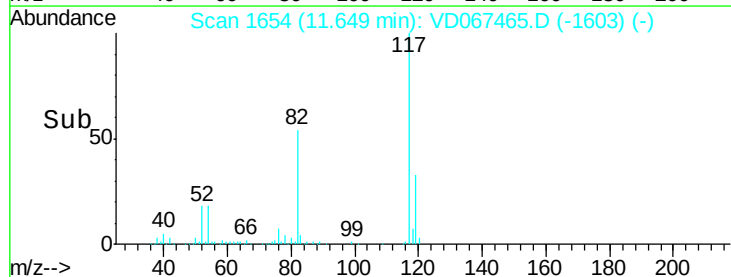
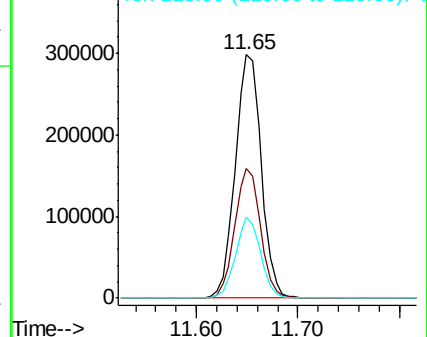
119 33.5 24.9 37.3

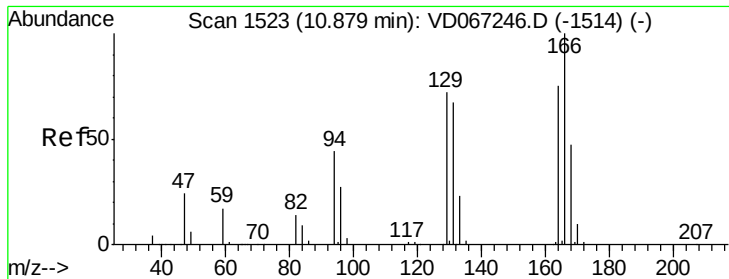


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 1.495 ug/l

RT: 10.88 min Scan# 1524

Delta R.T. 0.01 min

Lab File: VD067465.D

Acq: 30 Oct 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-LOC1-SO-0001

Tot Ion:164 Resp: 5759

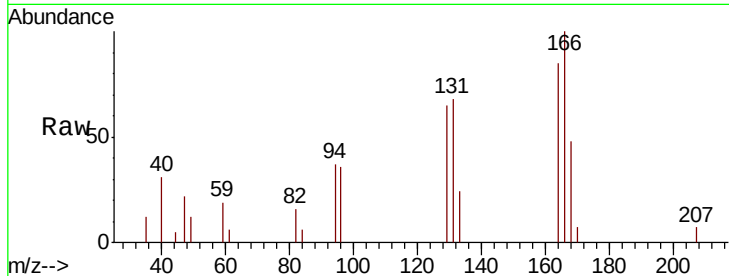
Ion Ratio Lower Upper

164 100

166 117.4 107.3 160.9

129 75.8 77.3 115.9#

131 80.4 71.4 107.2

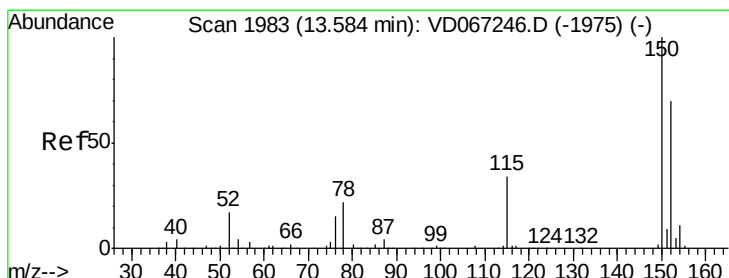
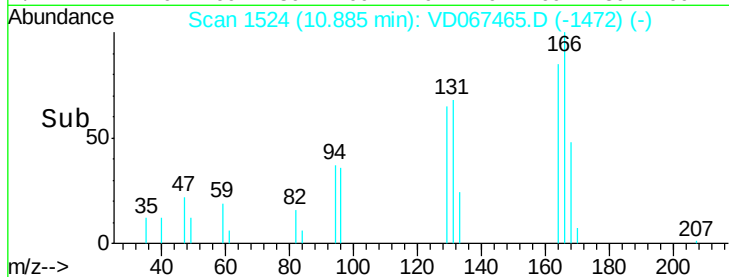
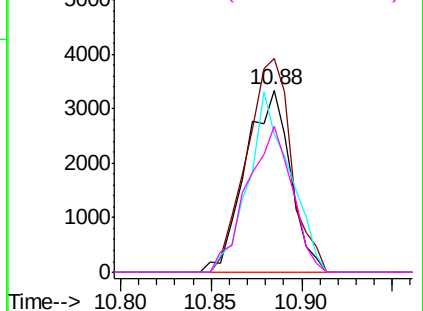


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VD067465.D

Acq: 30 Oct 2020 11:38

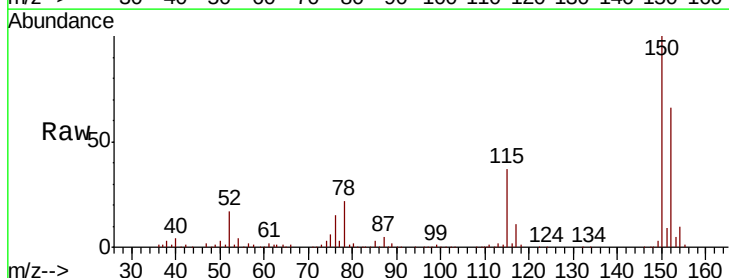
Tgt Ion:152 Resp: 265553

Ion Ratio Lower Upper

152 100

115 57.9 29.3 87.9

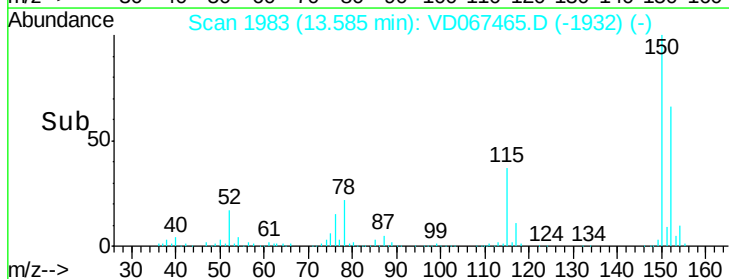
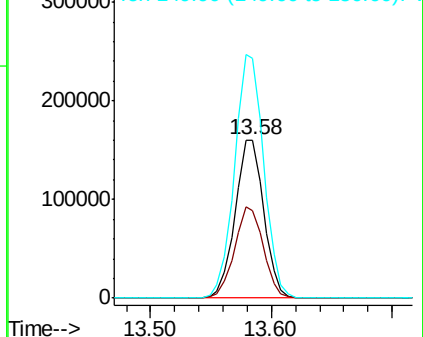
150 156.5 0.0 339.0

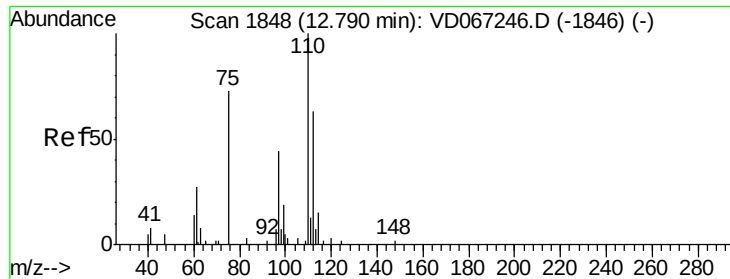


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

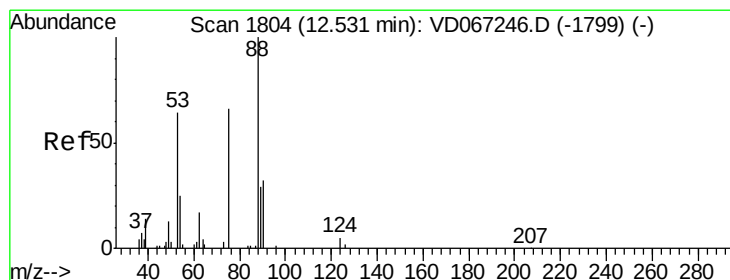
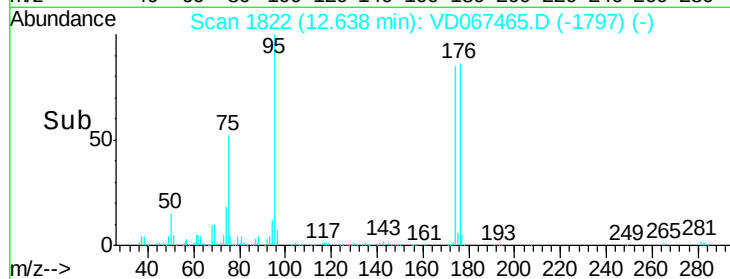
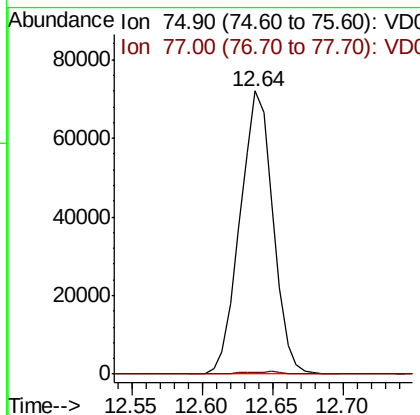
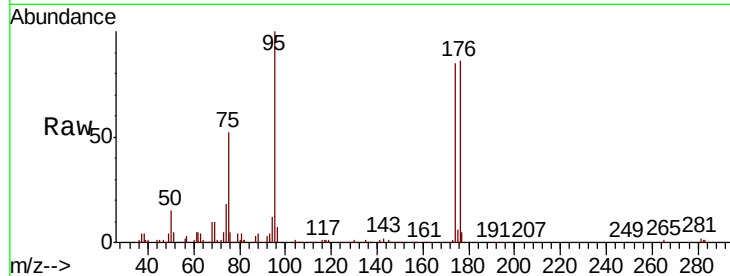




#76
 1,2,3-Trichloropropane
 Concen: 64.087 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067465.D
 Acq: 30 Oct 2020 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 STOCKPILE-LOC1-SO-0001

Tot Ion: 75 Resp: 117954
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.330 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067465.D
 Acq: 30 Oct 2020 11:38

Tgt Ion: 75 Resp: 117954
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 39.9 59.9#

