

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067449.D
 Acq On : 29 Oct 2020 13:56
 Operator : VA/SY
 Sample : L4561-01
 Misc : 6.48G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Oct 30 02:27:40 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	7.99	168	345368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	545579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	531296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	265205	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	168725	48.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.52%	
35) Dibromofluoromethane	7.92	113	173148	47.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.38%	
50) Toluene-d8	10.34	98	636968	48.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	12.64	95	229378	50.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.40%	

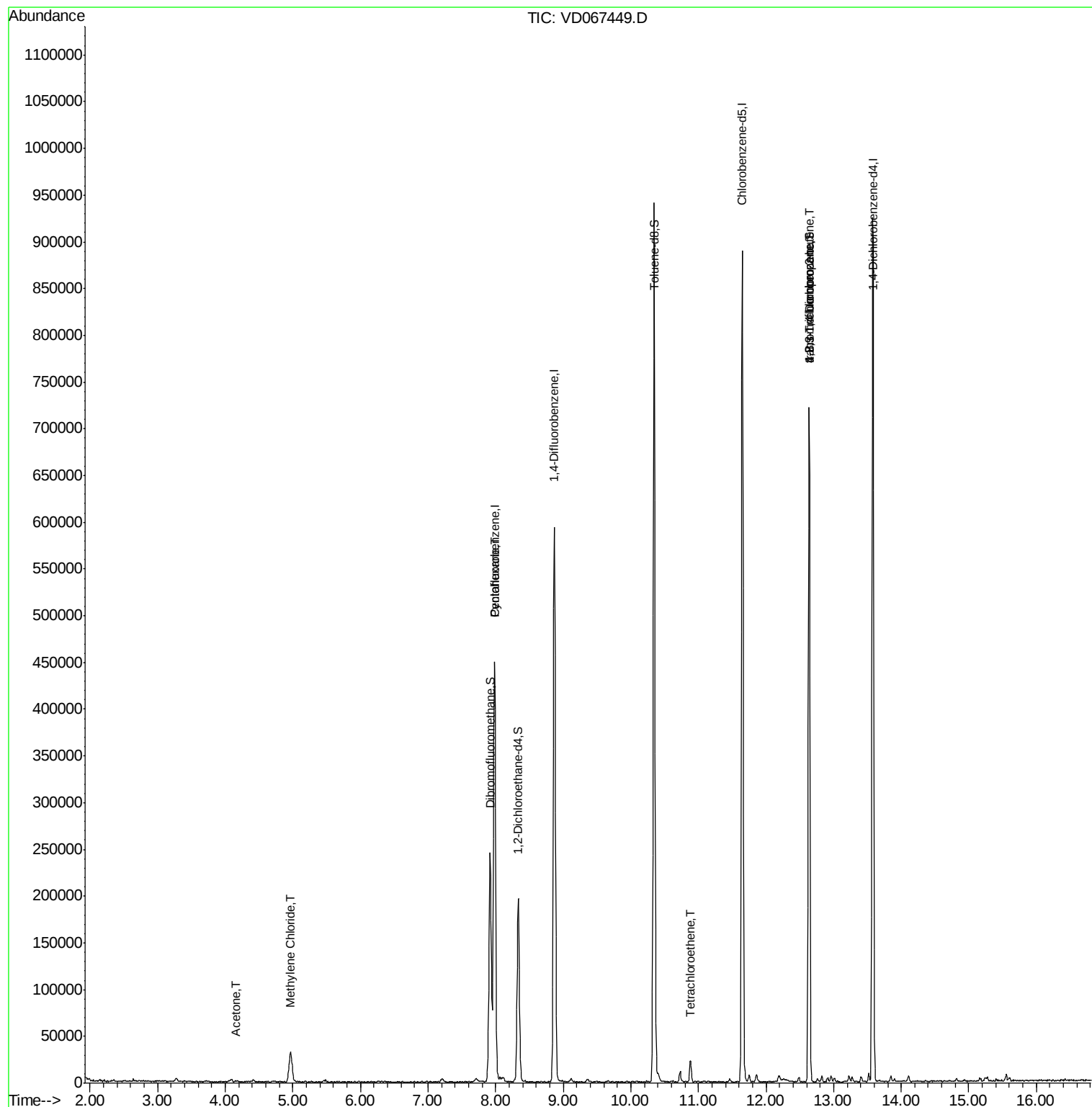
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1175	Below Cal		85
5) Bromomethane	2.77	94	383	Below Cal	#	69
16) Acetone	4.17	43	1776	3.665	ug/l #	42
20) Methylene Chloride	4.97	84	27615	4.843	ug/l #	92
31) Cyclohexane	7.98	56	8016	2.011	ug/l #	27
64) Tetrachloroethene	10.88	164	5719	1.486	ug/l	89
76) 1,2,3-Trichloropropane	12.64	75	116215	63.225	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	116215	143.375	ug/l #	10

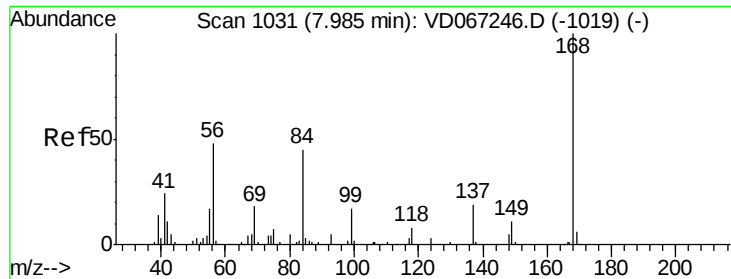
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067449.D

Acq: 29 Oct 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

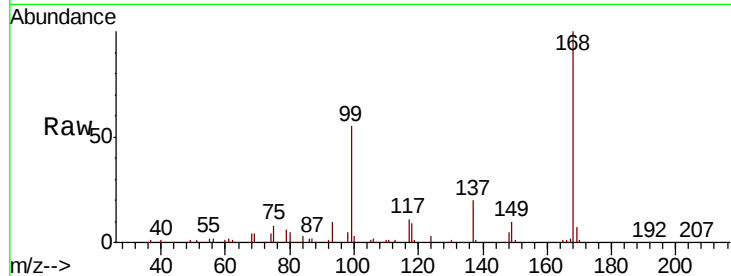
STOCKPILE-LOC1-SO-0001

Tot Ion:168 Resp: 345368

Ion Ratio Lower Upper

168 100

99 55.3 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

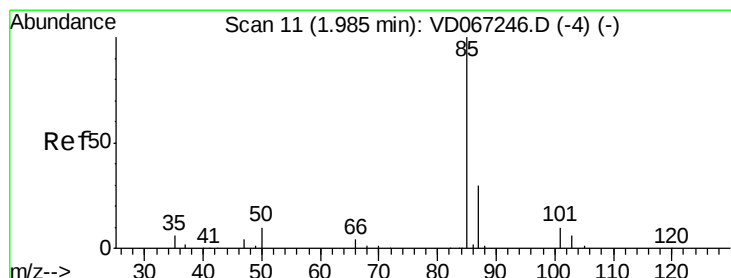
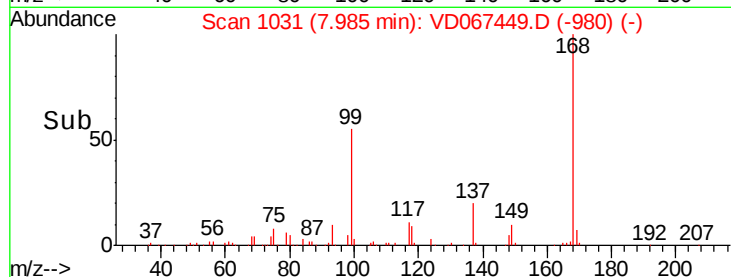
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067449.D

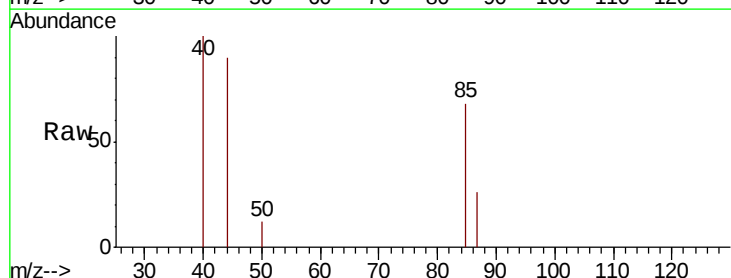
Acq: 29 Oct 2020 13:56

Tgt Ion: 85 Resp: 1175

Ion Ratio Lower Upper

85 100

87 38.4 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1200

1000

800

600

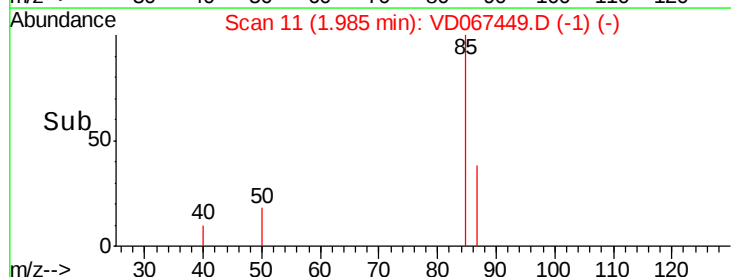
400

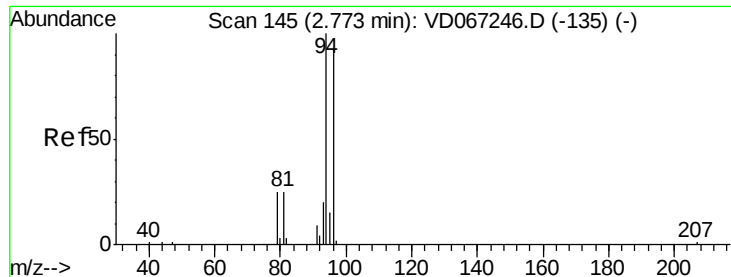
200

0

1.94 1.96 1.98 2.00 2.02

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067449.D

Acq: 29 Oct 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

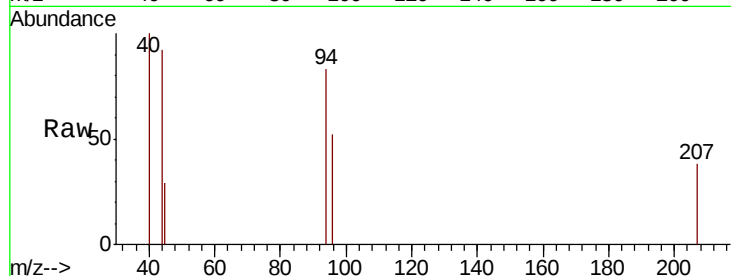
STOCKPILE-LOC1-SO-0001

Tot Ion: 94 Resp: 383

Ion Ratio Lower Upper

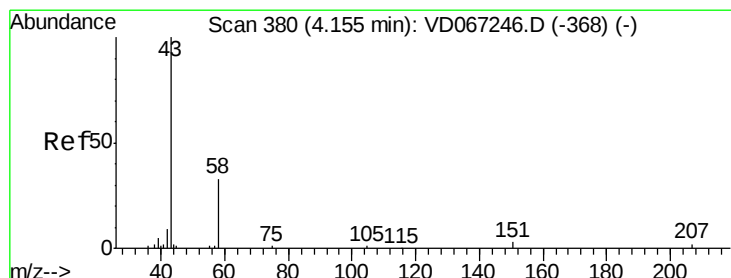
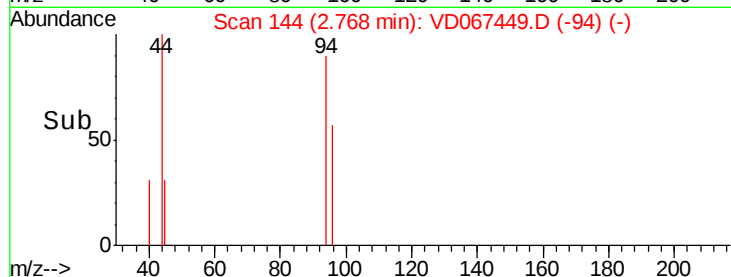
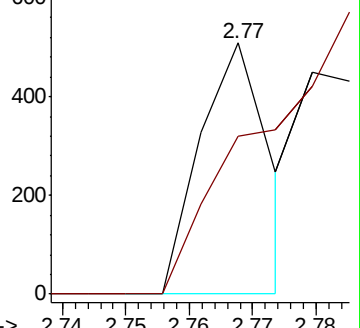
94 100

96 62.7 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#16

Acetone

Concen: 3.665 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067449.D

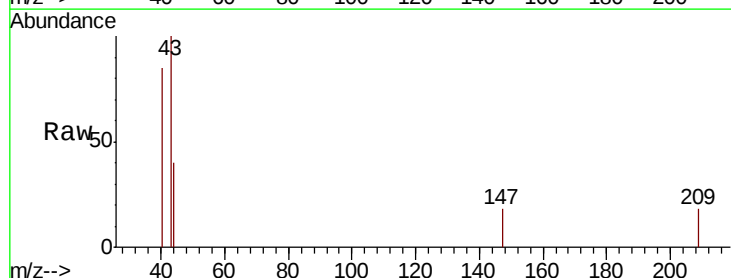
Acq: 29 Oct 2020 13:56

Tgt Ion: 43 Resp: 1776

Ion Ratio Lower Upper

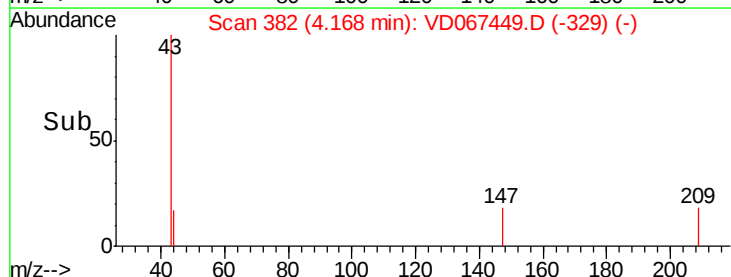
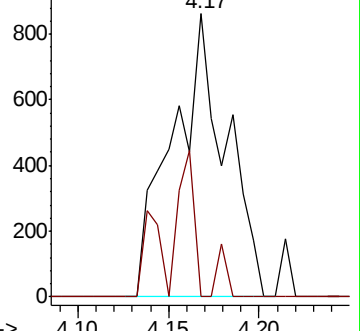
43 100

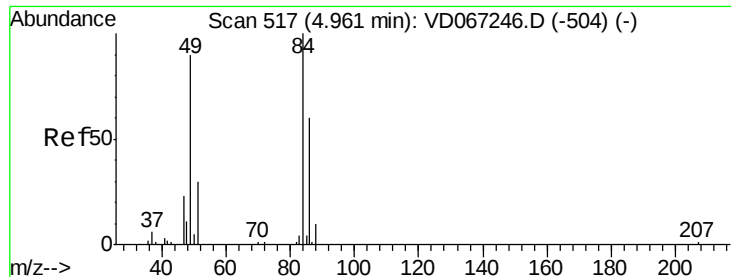
58 0.0 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

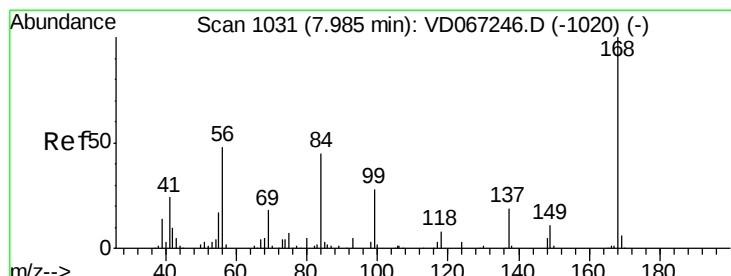
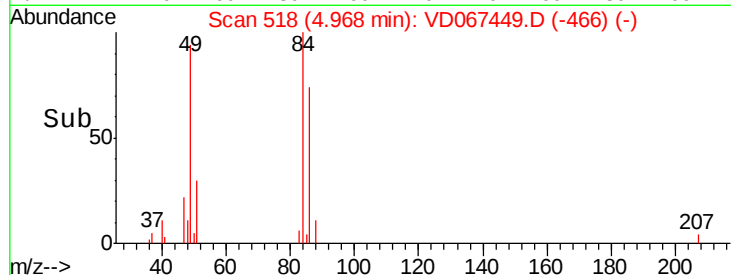
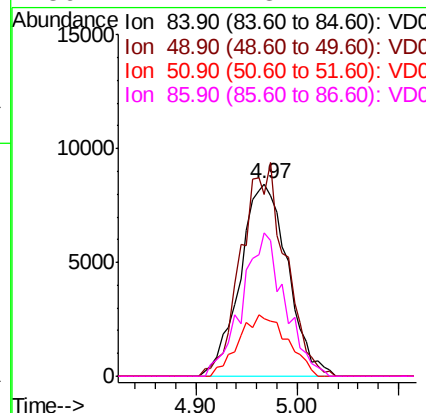
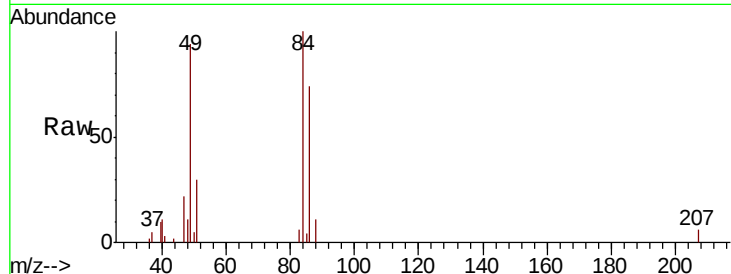




#20
Methvlene Chloride
Concen: 4.843 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067449.D
Acq: 29 Oct 2020 13:56

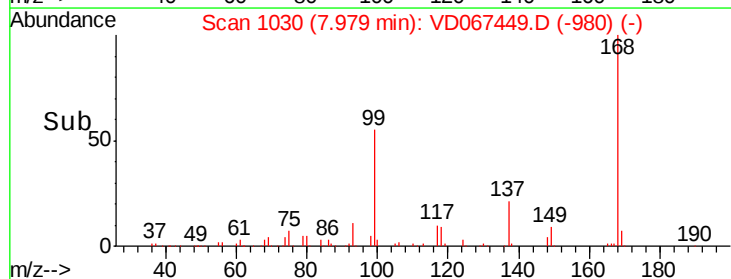
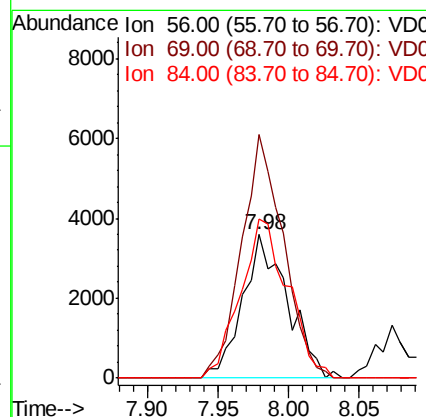
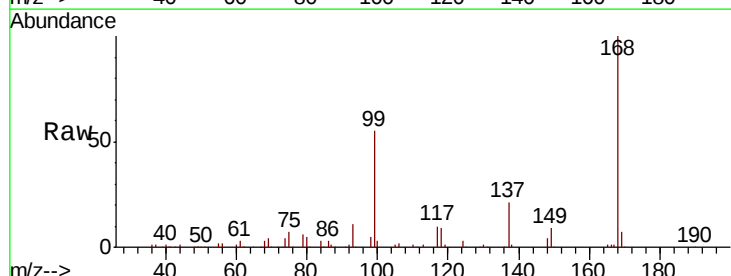
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-LOC1-SO-0001

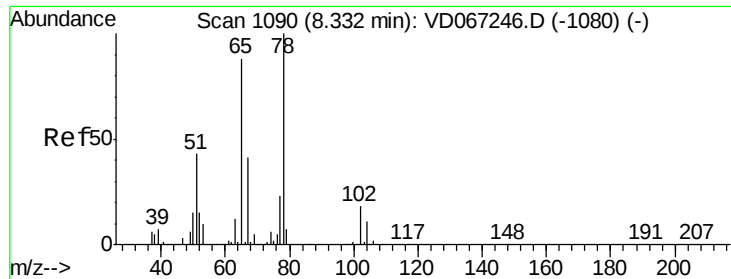
Tot Ion: 84 Resp: 27615
Ion Ratio Lower Upper
84 100
49 94.3 72.2 108.2
51 29.8 23.8 35.8
86 74.4 48.2 72.4#



#31
Cyclohexane
Concen: 2.011 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067449.D
Acq: 29 Oct 2020 13:56

Tgt Ion: 56 Resp: 8016
Ion Ratio Lower Upper
56 100
69 169.4 29.8 44.6#
84 111.1 76.6 114.8





#33

1,2-Dichloroethane-d4

Concen: 48.763 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067449.D

Acq: 29 Oct 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

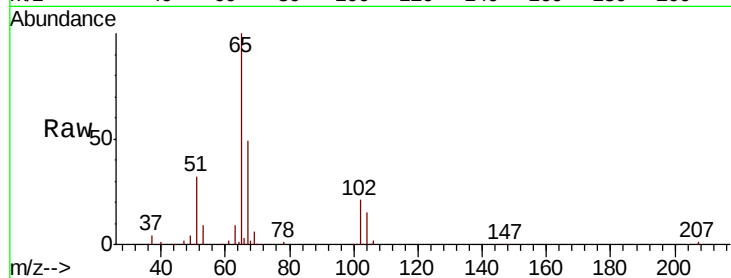
STOCKPILE-LOC1-SO-0001

Tot Ion: 65 Resp: 168725

Ion Ratio Lower Upper

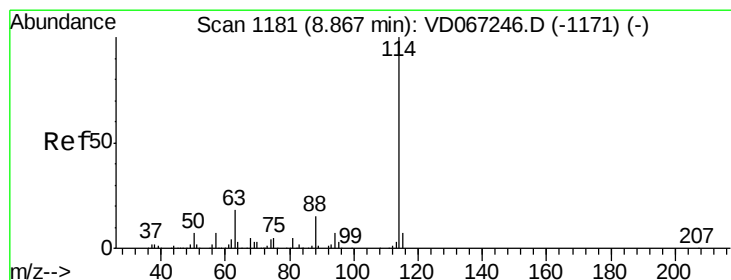
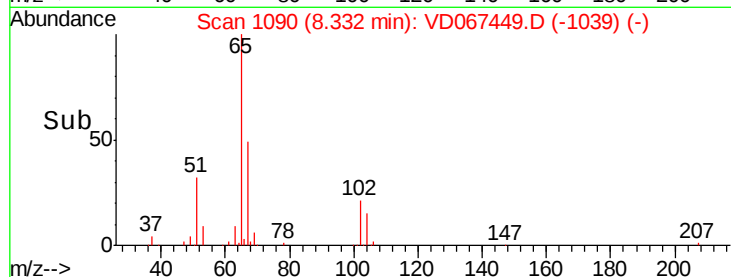
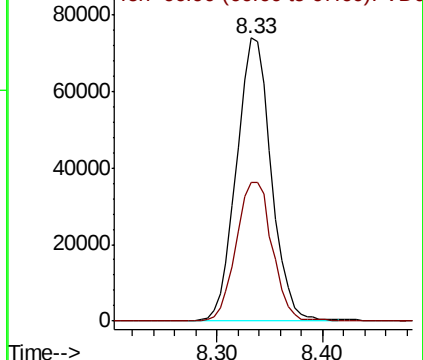
65 100

67 50.8 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: VD067449.D

Acq: 29 Oct 2020 13:56

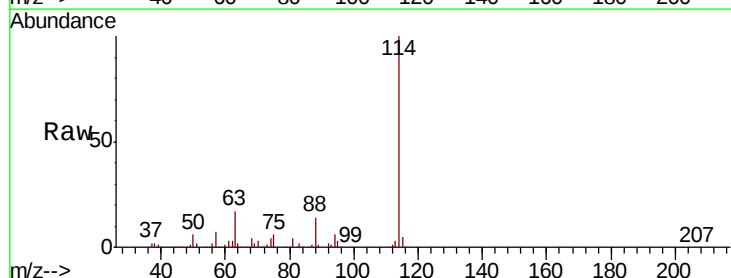
Tgt Ion: 114 Resp: 545579

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

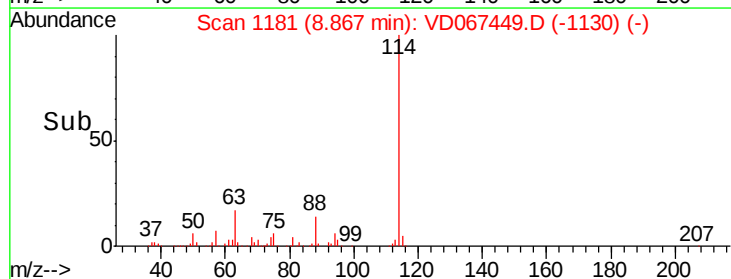
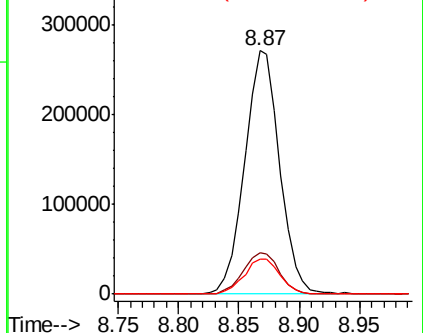
88 14.3 0.0 30.6

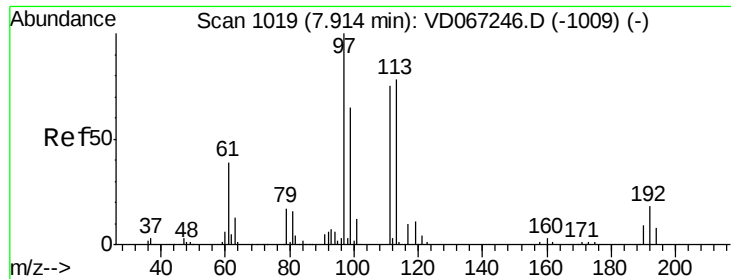


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

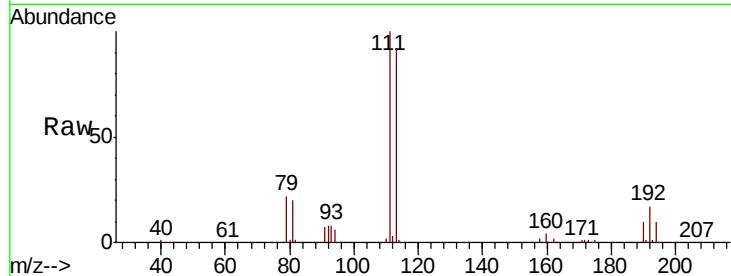




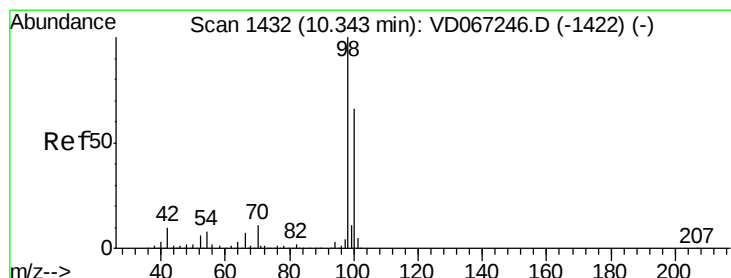
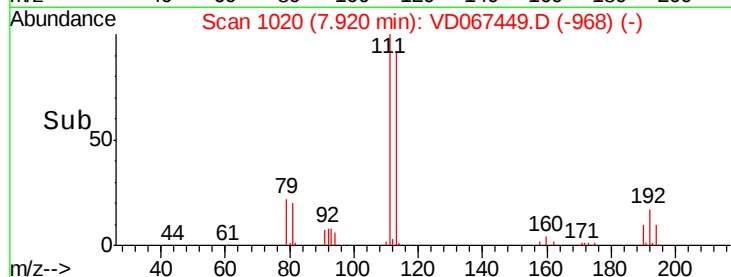
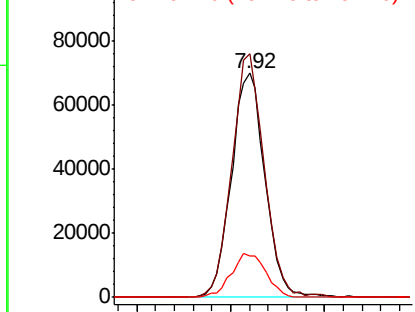
#35
 Dibromofluoromethane
 Concen: 47.688 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067449.D
 Acq: 29 Oct 2020 13:56

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

Tot Ion:113 Resp: 173148
 Ion Ratio Lower Upper
 113 100
 111 104.7 81.6 122.4
 192 20.2 17.0 25.4

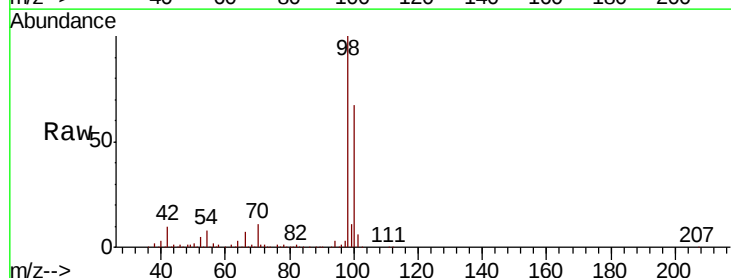


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

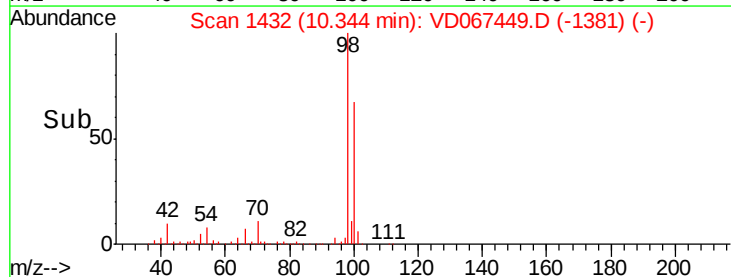
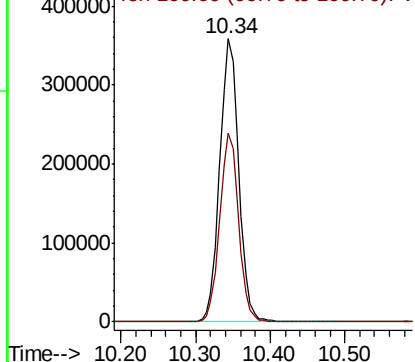


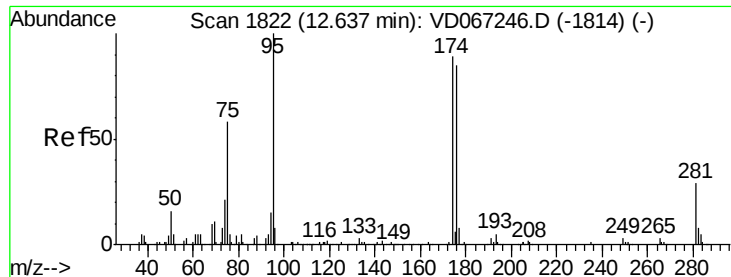
#50
 Toluene-d8
 Concen: 48.477 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067449.D
 Acq: 29 Oct 2020 13:56

Tgt Ion: 98 Resp: 636968
 Ion Ratio Lower Upper
 98 100
 100 65.9 53.1 79.7



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

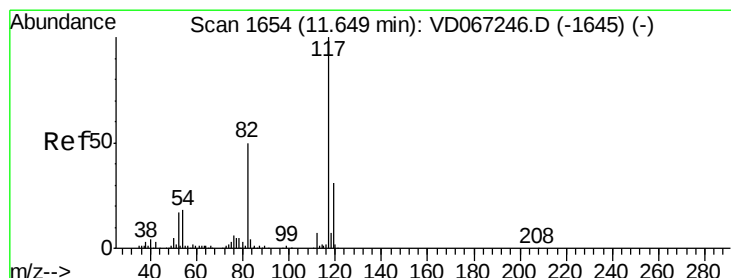
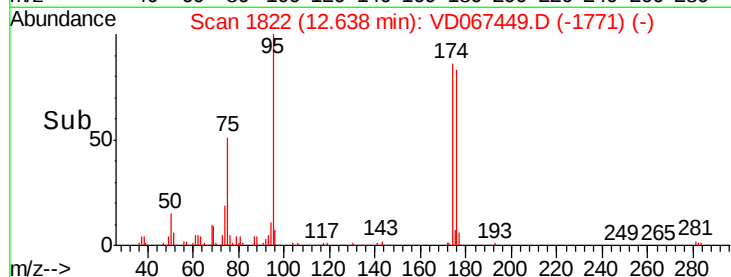
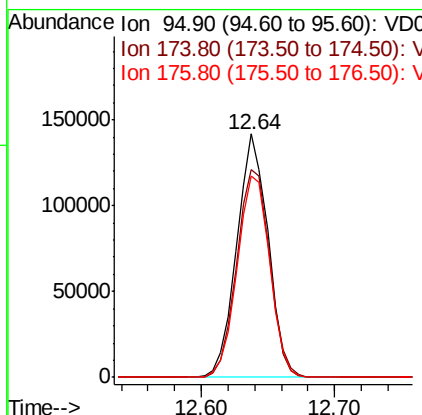
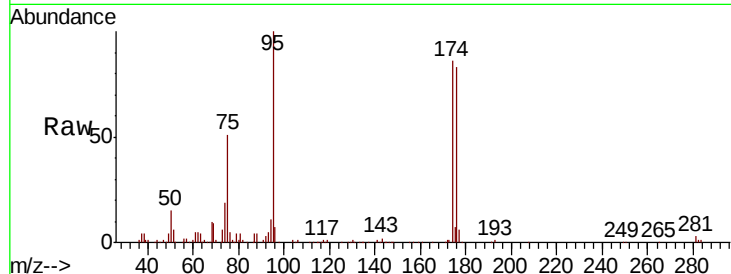




#62
4-Bromofluorobenzene
Concen: 50.204 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067449.D
Acq: 29 Oct 2020 13:56

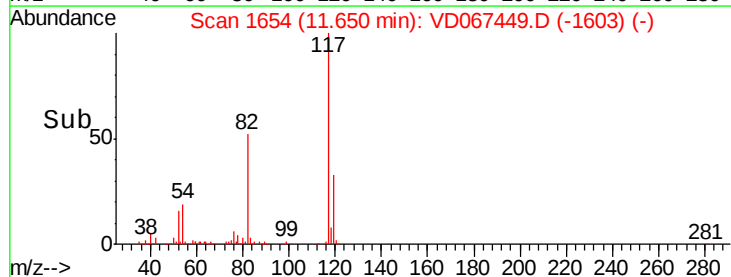
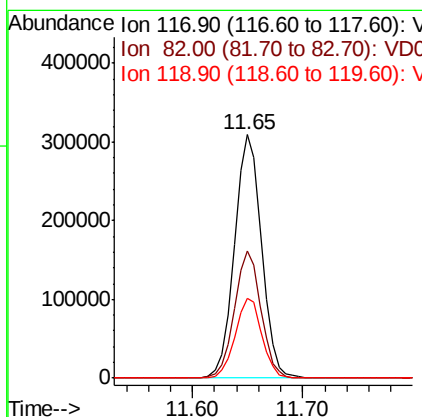
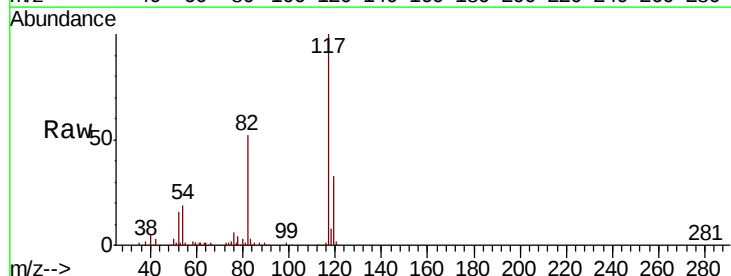
Instrument :
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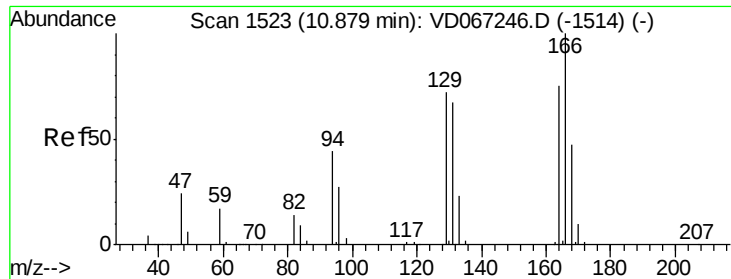
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.3	0.0	175.2
176	86.0	0.0	168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067449.D
Acq: 29 Oct 2020 13:56

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.2	39.9	59.9
119	32.8	24.9	37.3

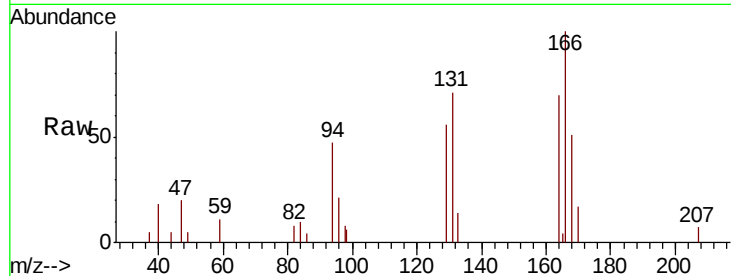




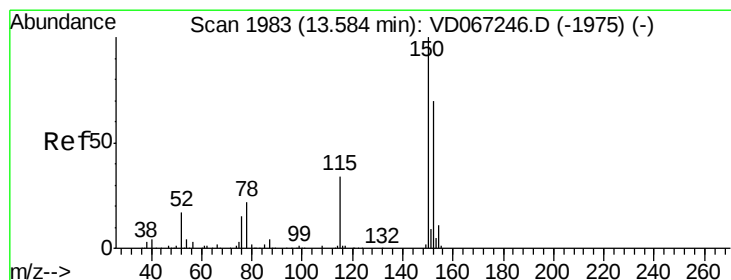
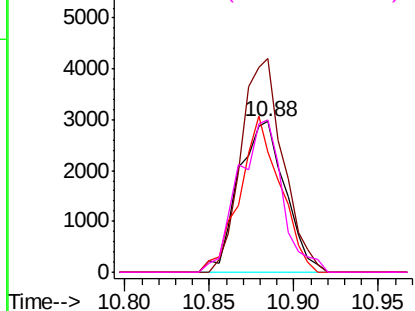
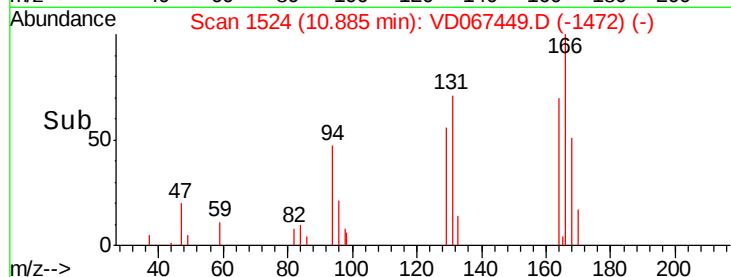
#64
Tetrachloroethene
Concen: 1.486 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067449.D
Acq: 29 Oct 2020 13:56

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

Tot Ion:164 Resp: 5719
Ion Ratio Lower Upper
164 100
166 141.9 107.3 160.9
129 80.0 77.3 115.9
131 101.4 71.4 107.2

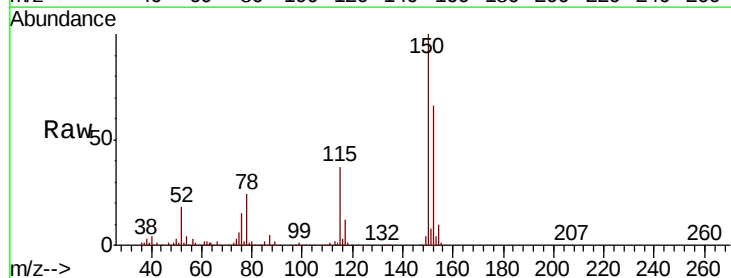


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

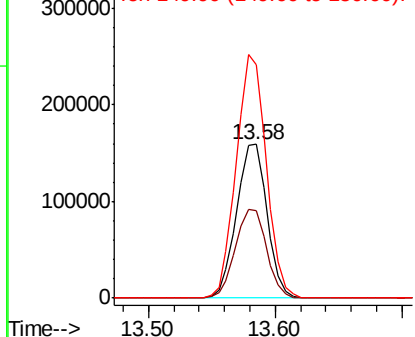
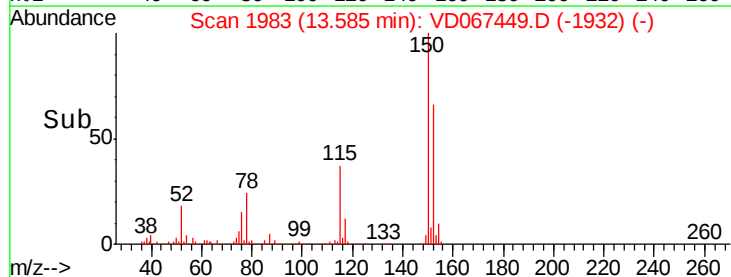


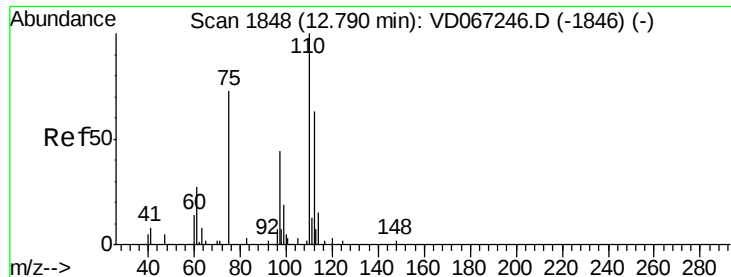
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067449.D
Acq: 29 Oct 2020 13:56

Tgt Ion:152 Resp: 265205
Ion Ratio Lower Upper
152 100
115 58.9 29.3 87.9
150 155.9 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: 63.225 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067449.D

Acq: 29 Oct 2020 13:56

Instrument :

MSVOA_D

ClientSampleId :

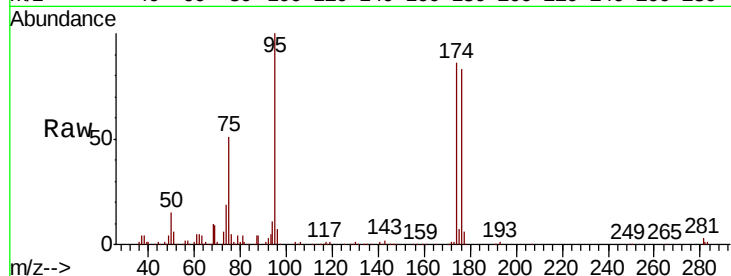
STOCKPILE-LOC1-SO-0001

Tot Ion: 75 Resp: 116215

Ion Ratio Lower Upper

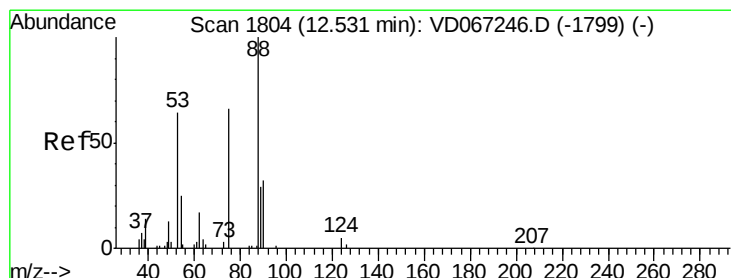
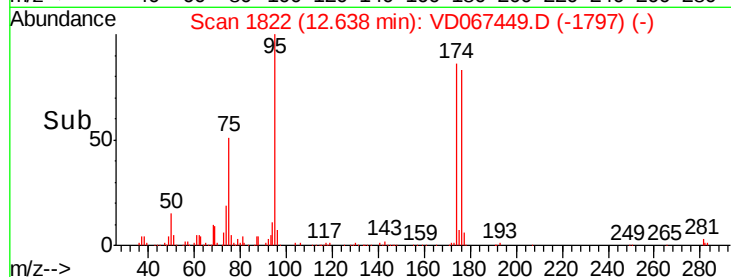
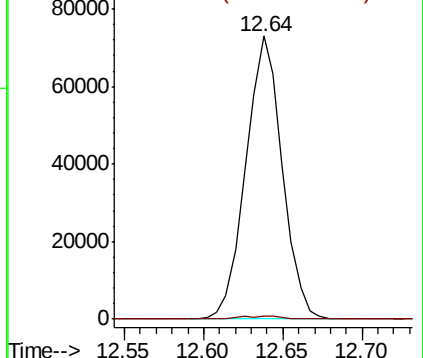
75 100

77 1.3 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: 143.375 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067449.D

Acq: 29 Oct 2020 13:56

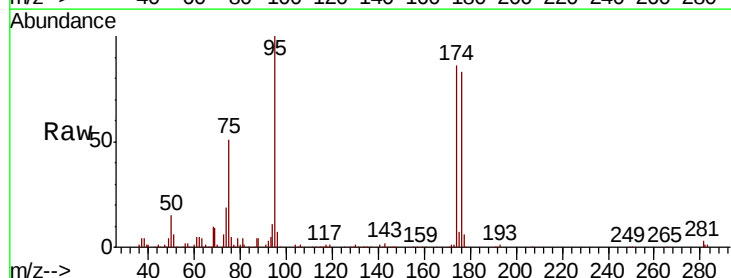
Tgt Ion: 75 Resp: 116215

Ion Ratio Lower Upper

75 100

53 0.0 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

