

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067451.D
 Acq On : 29 Oct 2020 14:51
 Operator : VA/SY
 Sample : L4561-03
 Misc : 7.48G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Oct 30 02:28:03 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	337525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	539644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	530235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	259265	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	164452	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
35) Dibromofluoromethane	7.92	113	171399	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
50) Toluene-d8	10.34	98	631660	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.64	95	228983	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	

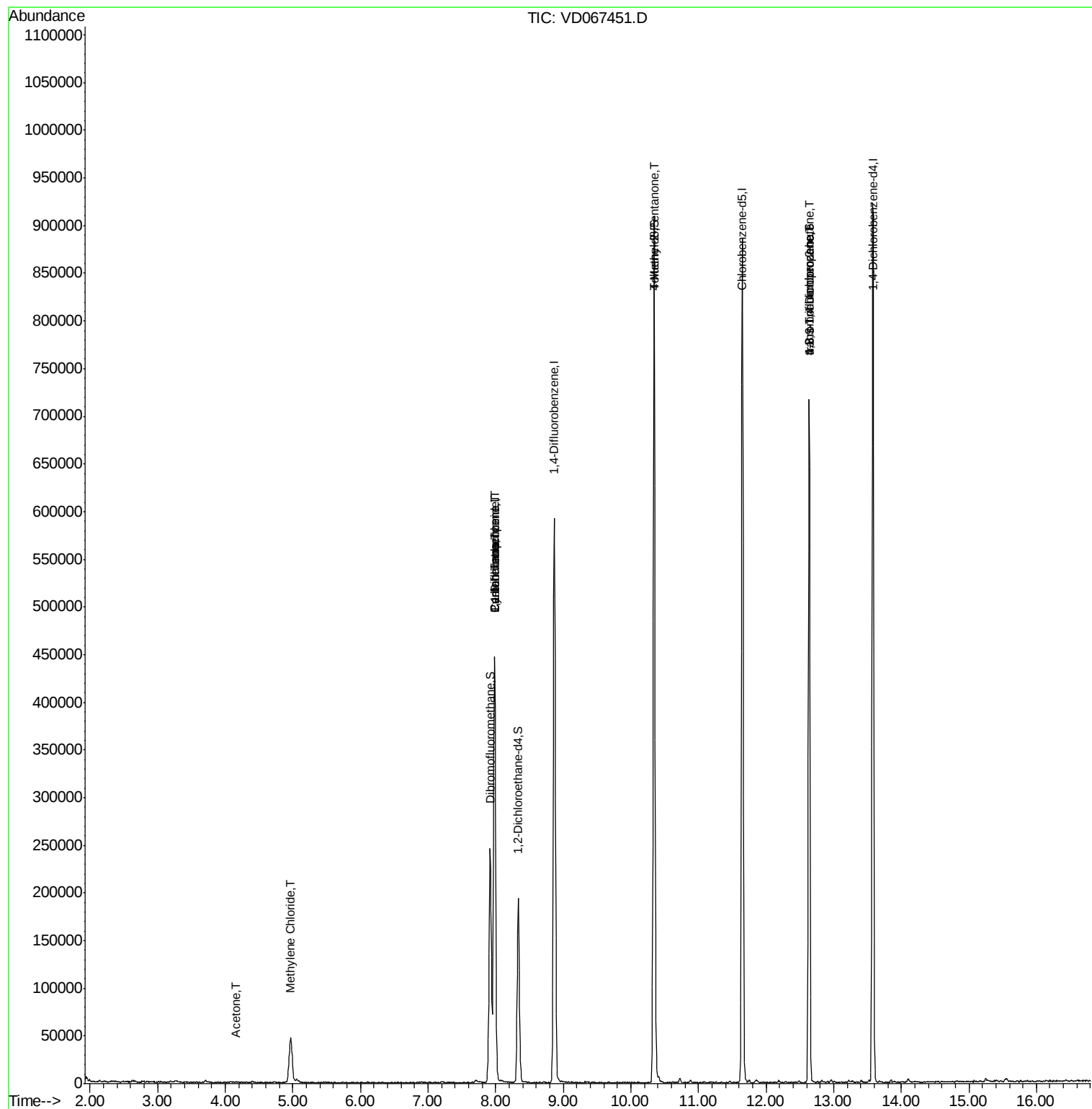
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	548	Below Cal		90
5) Bromomethane	2.80	94	573	Below Cal		91
16) Acetone	4.16	43	1022	2.158	ug/l #	42
20) Methylene Chloride	4.96	84	41829	10.218	ug/l	96
31) Cyclohexane	7.98	56	6906	1.773	ug/l #	37
36) 1,1-Dichloropropene	7.98	75	23937	5.233	ug/l #	50
38) Carbon Tetrachloride	7.98	117	35905	6.142	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	2532	1.901	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	113906	63.388	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	113906	143.746	ug/l #	10

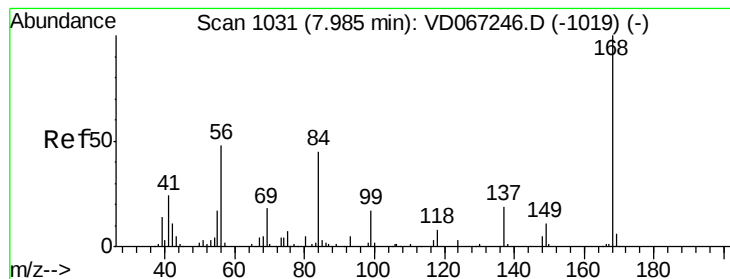
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067451.D

Acq: 29 Oct 2020 14:51

Instrument :

MSVOA_D

ClientSampleId :

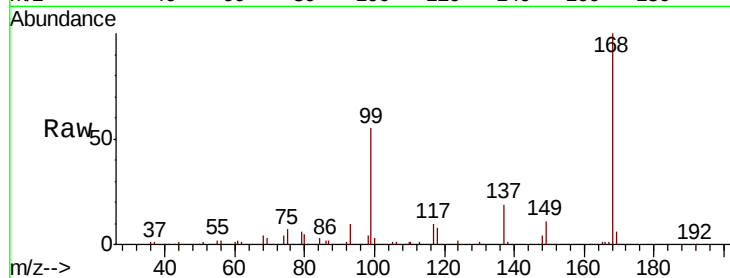
STOCKPILE-LOC3-SO-0003

Tot Ion:168 Resp: 337525

Ion Ratio Lower Upper

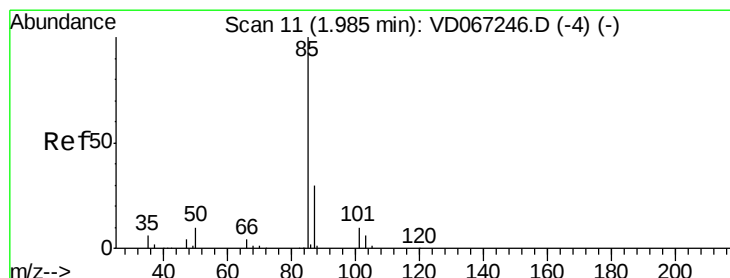
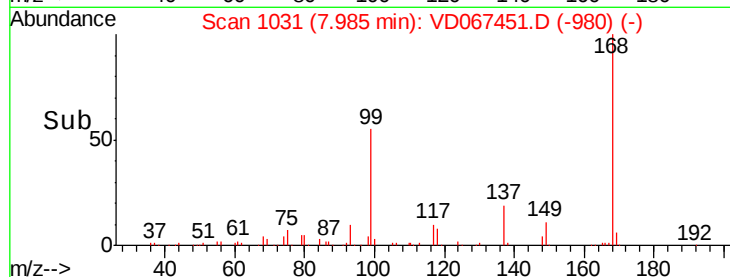
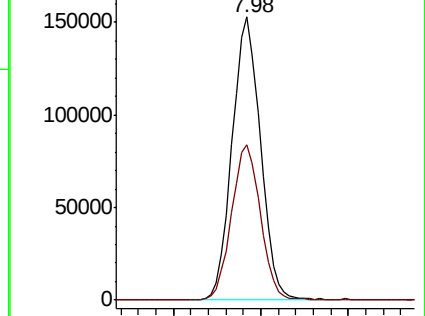
168 100

99 54.6 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: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067451.D

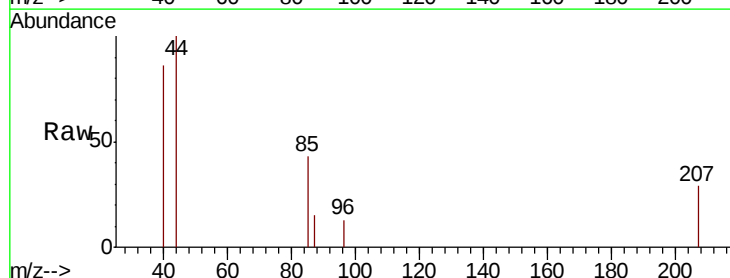
Acq: 29 Oct 2020 14:51

Tgt Ion: 85 Resp: 548

Ion Ratio Lower Upper

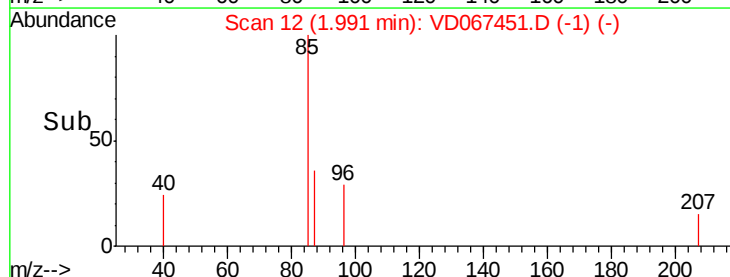
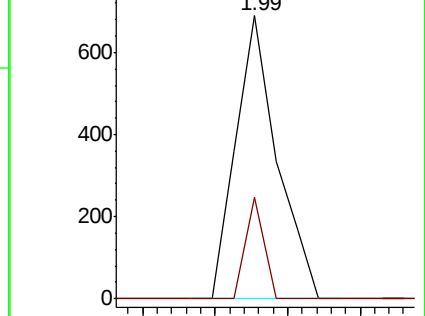
85 100

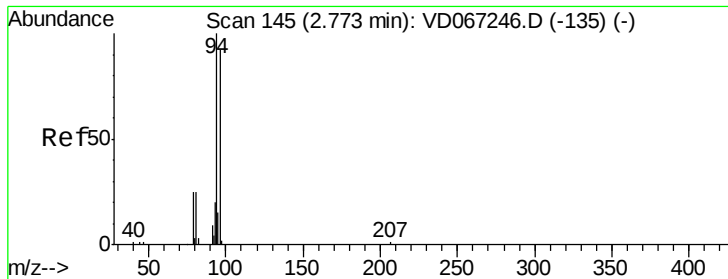
87 35.7 15.2 45.6



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: 2.80 min Scan# 149

Delta R.T. 0.02 min

Lab File: VD067451.D

Acq: 29 Oct 2020 14:51

Instrument :

MSVOA_D

ClientSampleId :

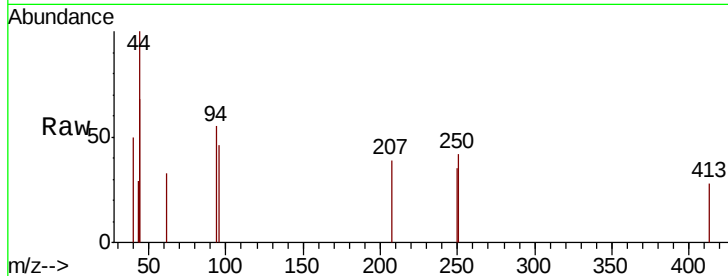
STOCKPILE-LOC3-SO-0003

Tot Ion: 94 Resp: 573

Ion Ratio Lower Upper

94 100

96 83.4 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.80

300

200

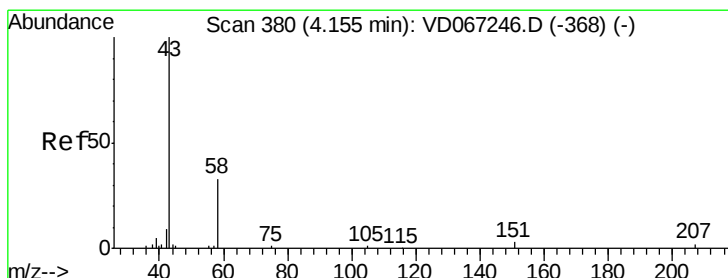
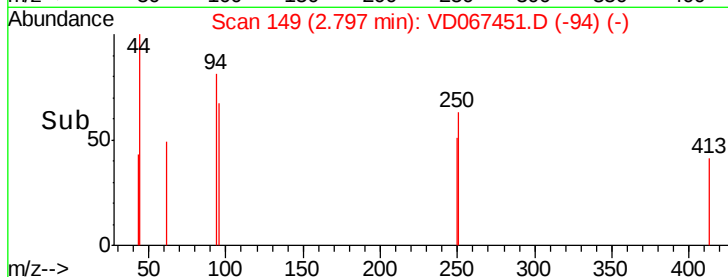
100

0

2.75

2.80

Time-->



#16

Acetone

Concen: 2.158 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067451.D

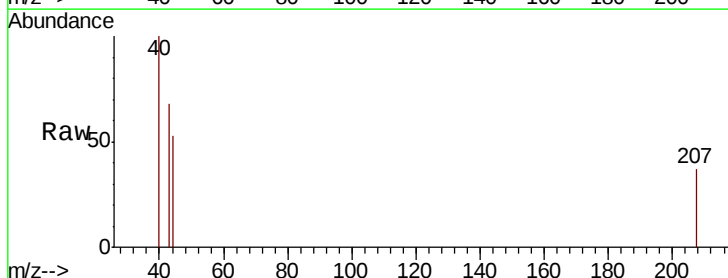
Acq: 29 Oct 2020 14:51

Tgt Ion: 43 Resp: 1022

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

4.16

600

500

400

300

200

100

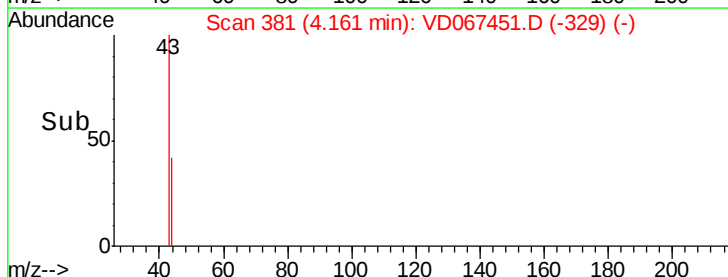
0

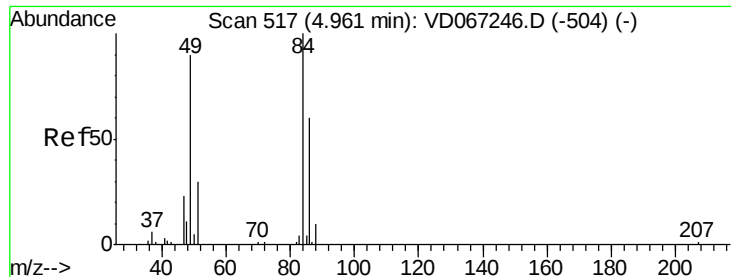
4.10

4.15

4.20

Time-->

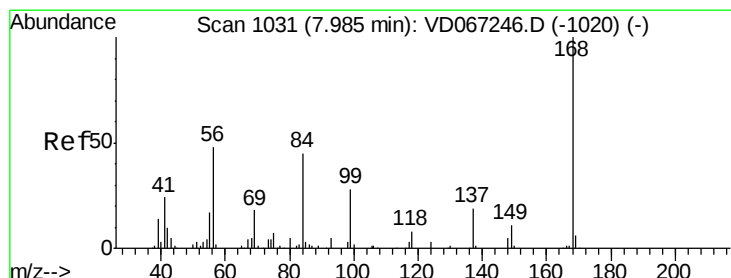
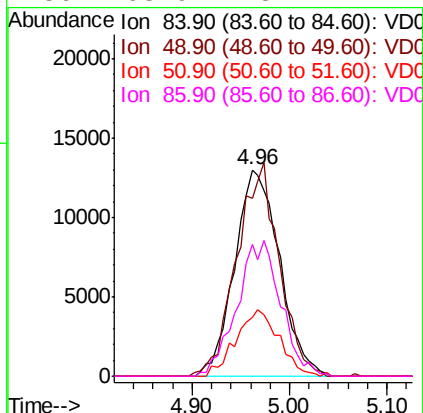
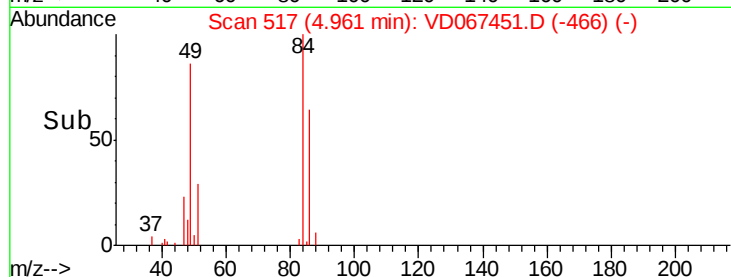
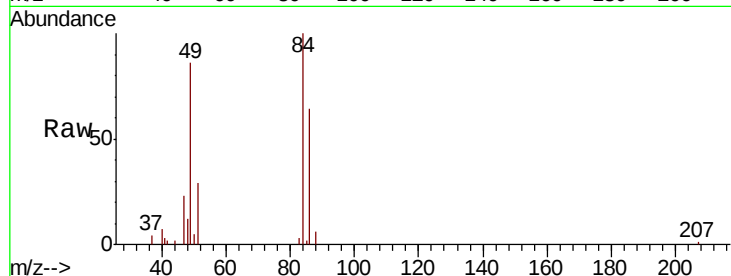




#20
Methvlene Chloride
Concen: 10.218 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067451.D
Acq: 29 Oct 2020 14:51

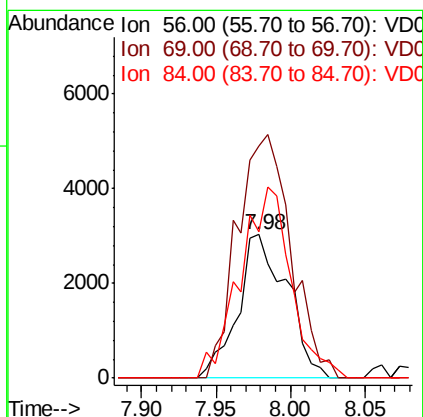
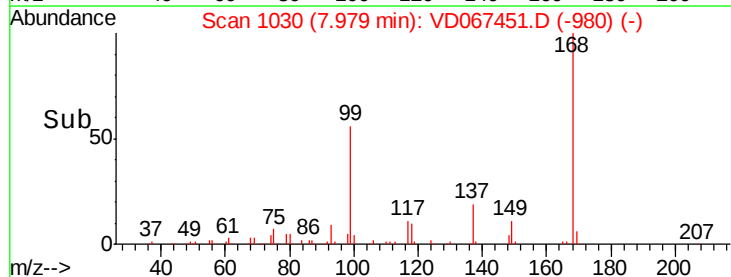
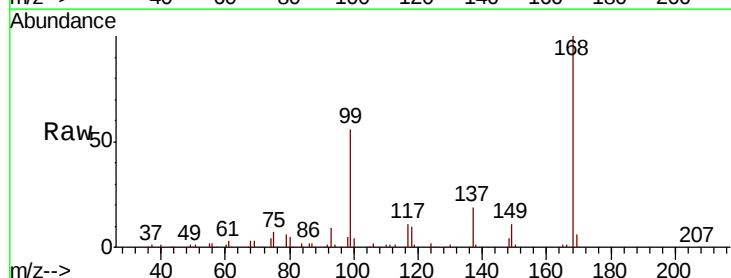
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-LOC3-SO-0003

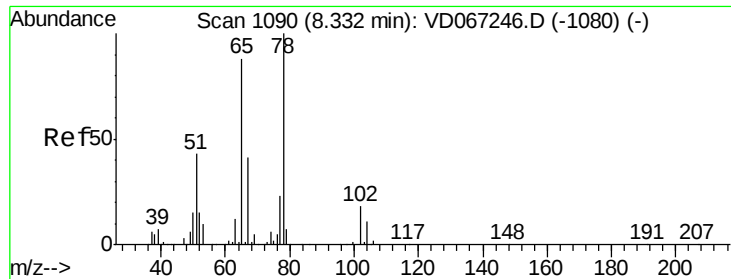
Tot Ion: 84 Resp: 41829
Ion Ratio Lower Upper
84 100
49 86.1 72.2 108.2
51 28.5 23.8 35.8
86 63.9 48.2 72.4



#31
Cyclohexane
Concen: 1.773 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067451.D
Acq: 29 Oct 2020 14:51

Tgt Ion: 56 Resp: 6906
Ion Ratio Lower Upper
56 100
69 161.7 29.8 44.6#
84 102.4 76.6 114.8





#33

1,2-Dichloroethane-d4

Concen: 48.633 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067451.D

Acq: 29 Oct 2020 14:51

Instrument :

MSVOA_D

ClientSampleId :

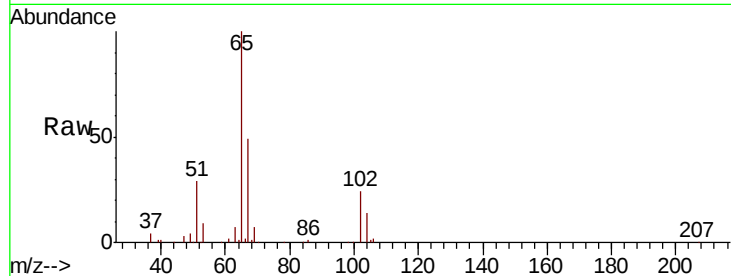
STOCKPILE-LOC3-SO-0003

Tot Ion: 65 Resp: 164452

Ion Ratio Lower Upper

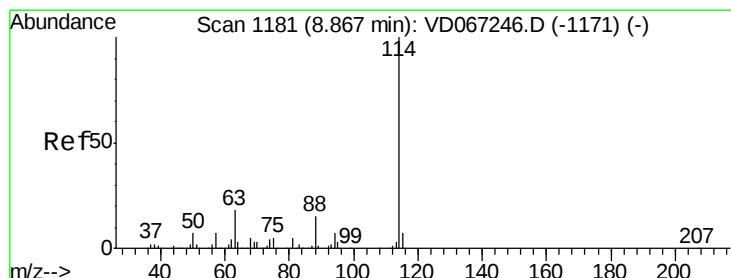
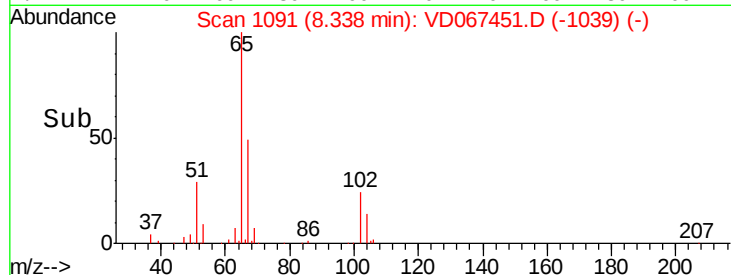
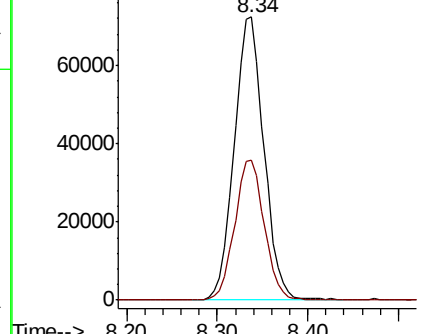
65 100

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: VD067451.D

Acq: 29 Oct 2020 14:51

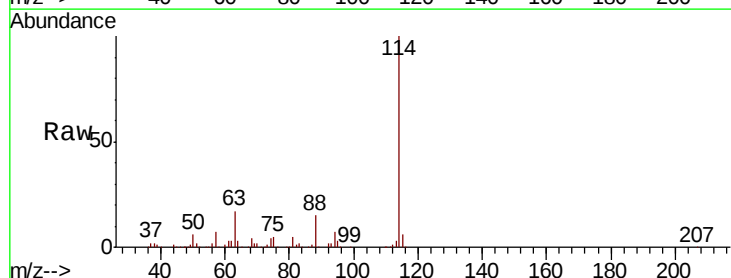
Tgt Ion: 114 Resp: 539644

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.0

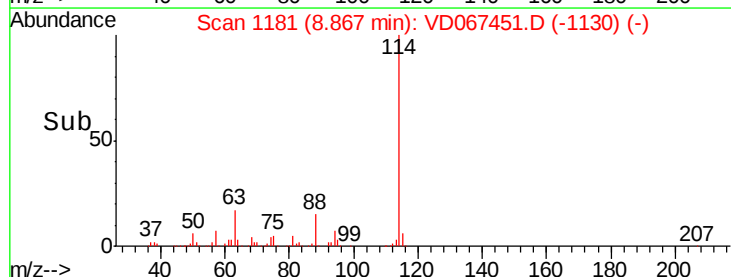
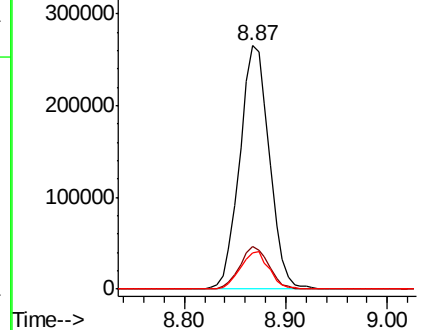
88 15.2 0.0 30.6

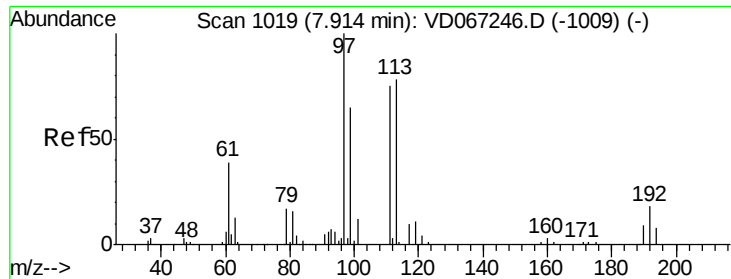


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

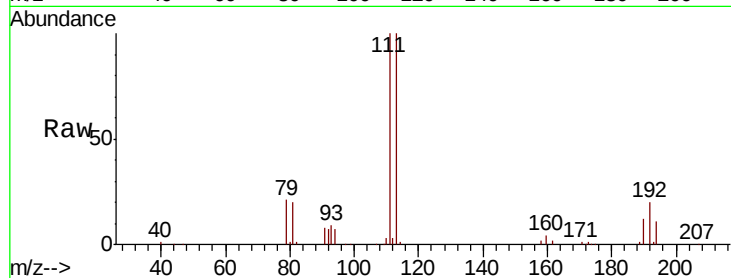




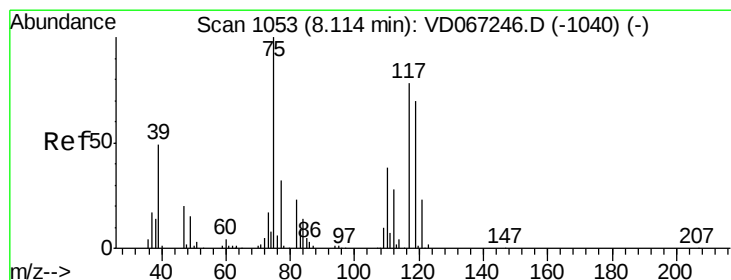
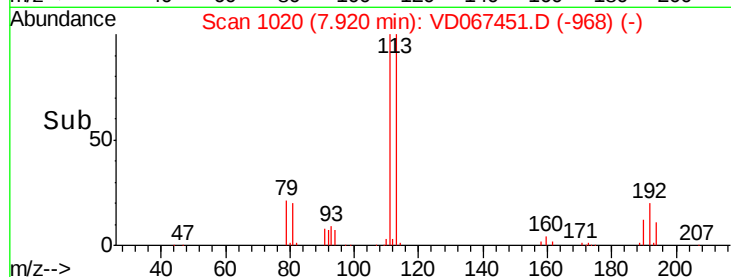
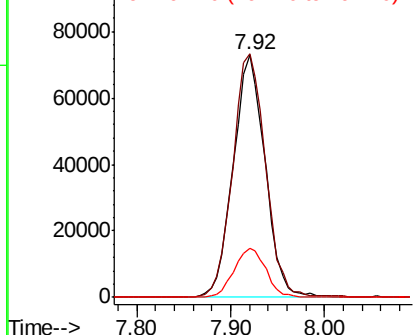
#35
Dibromofluoromethane
Concen: 47.726 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067451.D
Acq: 29 Oct 2020 14:51

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

Tot Ion:113 Resp: 171399
Ion Ratio Lower Upper
113 100
111 103.9 81.6 122.4
192 20.2 17.0 25.4

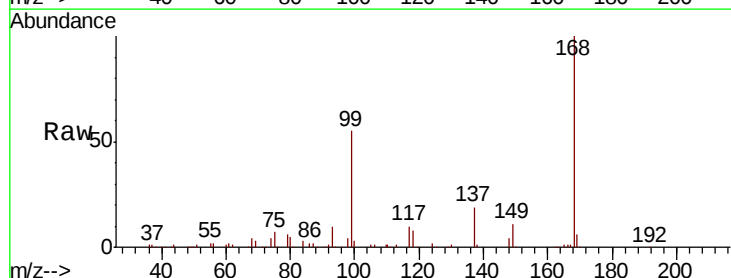


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

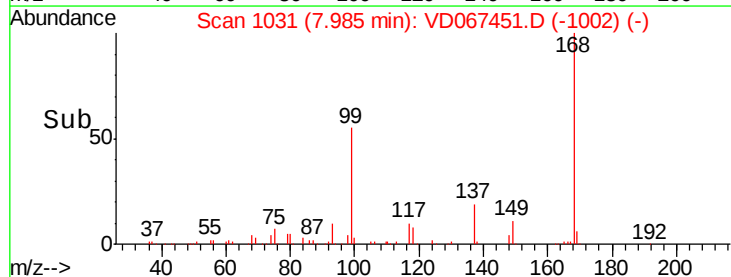
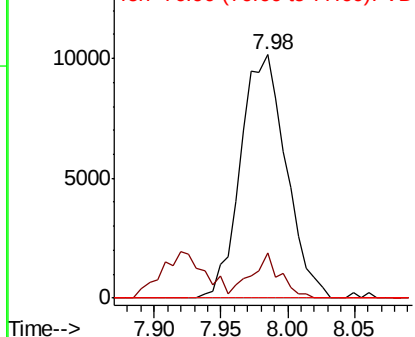


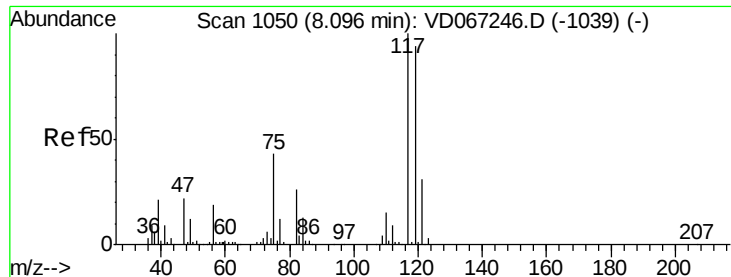
#36
1,1-Dichloropropene
Concen: 5.233 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.13 min
Lab File: VD067451.D
Acq: 29 Oct 2020 14:51

Tgt Ion: 75 Resp: 23937
Ion Ratio Lower Upper
75 100
110 11.9 19.6 58.7#
77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.142 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067451.D

Acq: 29 Oct 2020 14:51

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-LOC3-SO-0003

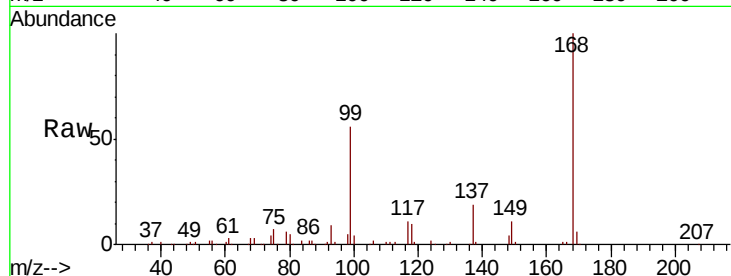
Tot Ion:117 Resp: 35905

Ion Ratio Lower Upper

117 100

119 4.8 75.0 112.4#

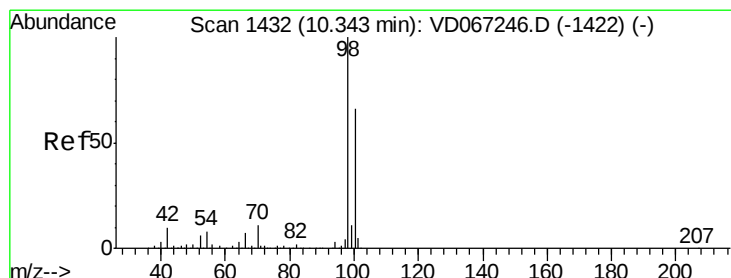
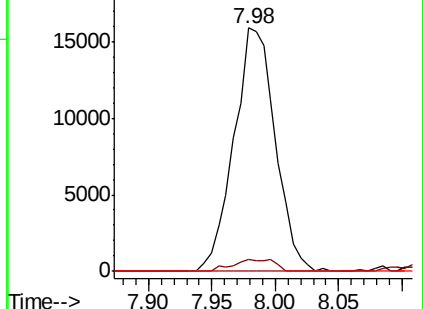
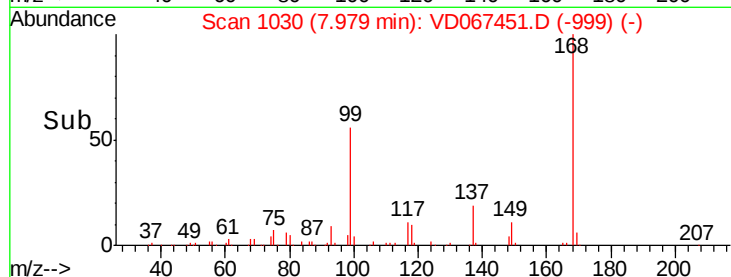
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 48.601 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067451.D

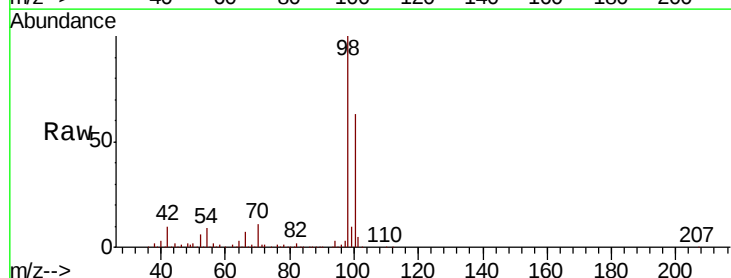
Acq: 29 Oct 2020 14:51

Tgt Ion: 98 Resp: 631660

Ion Ratio Lower Upper

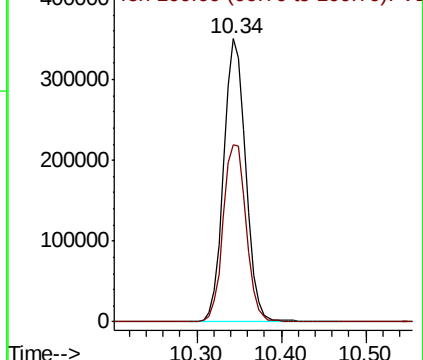
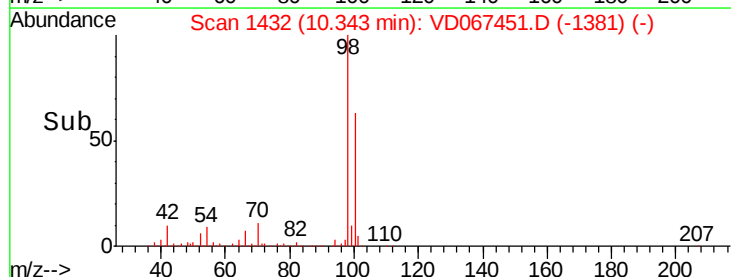
98 100

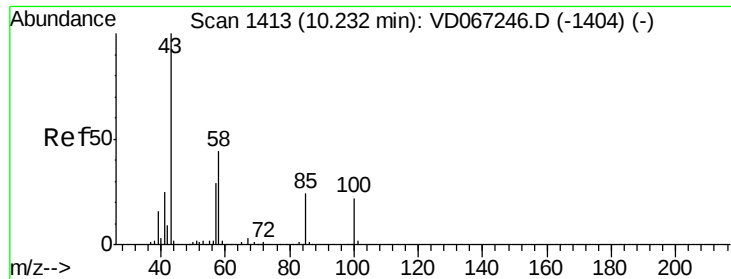
100 65.4 53.1 79.7



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: 1.901 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067451.D

Acq: 29 Oct 2020 14:51

Instrument :

MSVOA_D

ClientSampleId :

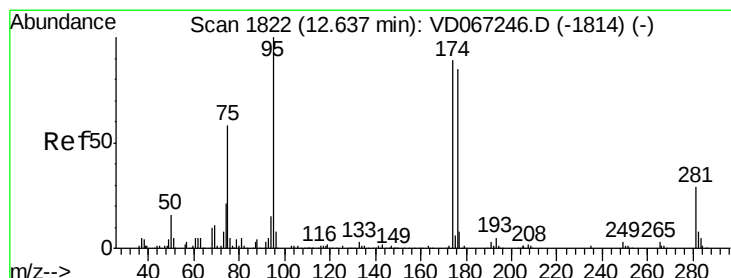
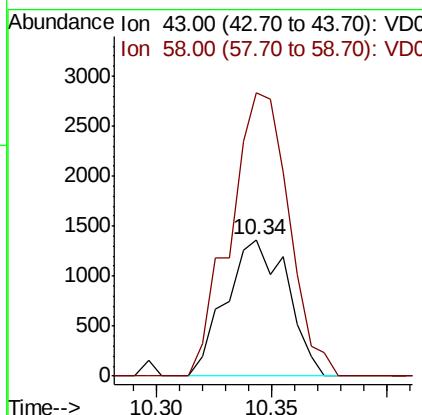
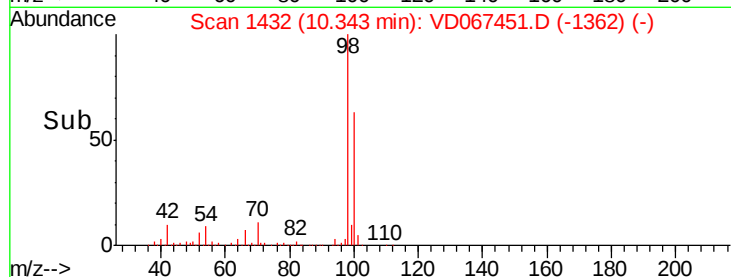
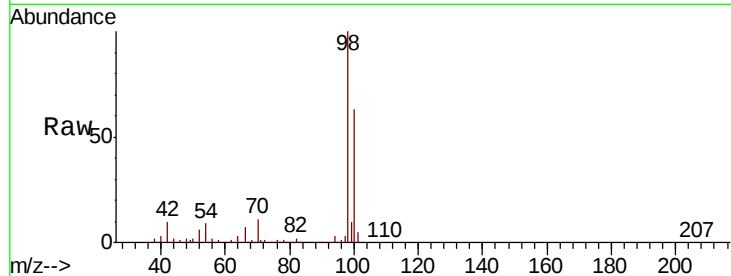
STOCKPILE-LOC3-SO-0003

Tot Ion: 43 Resp: 2532

Ion Ratio Lower Upper

43 100

58 198.3 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 50.668 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067451.D

Acq: 29 Oct 2020 14:51

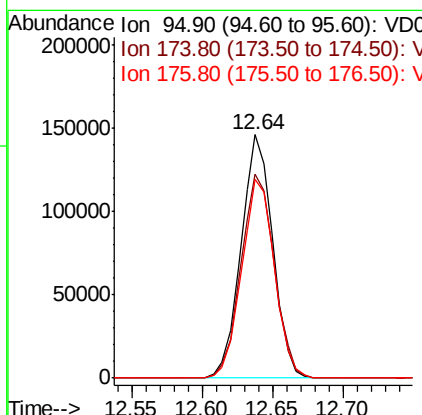
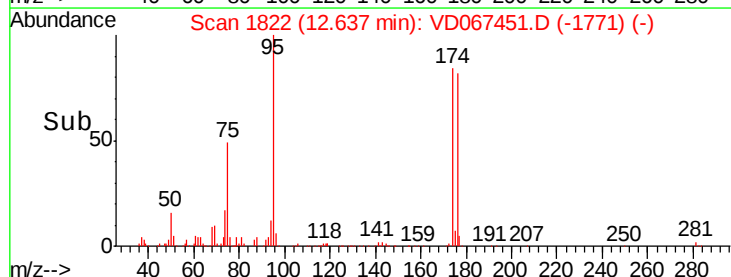
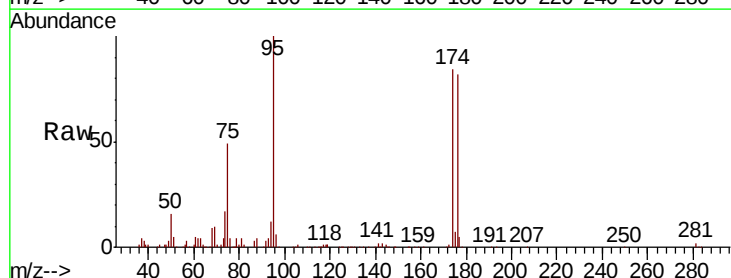
Tgt Ion: 95 Resp: 228983

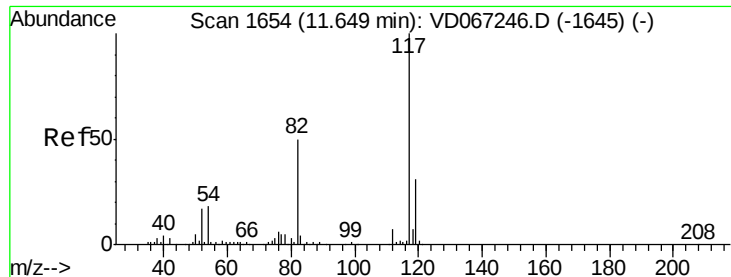
Ion Ratio Lower Upper

95 100

174 88.3 0.0 175.2

176 84.9 0.0 168.6

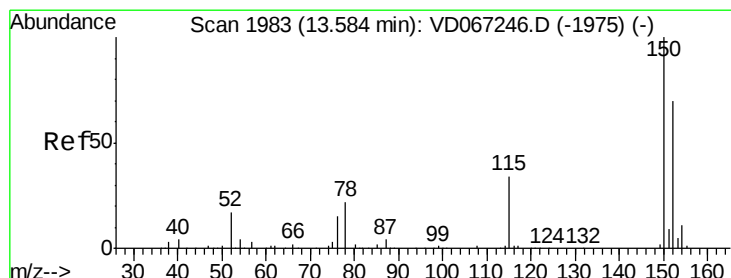
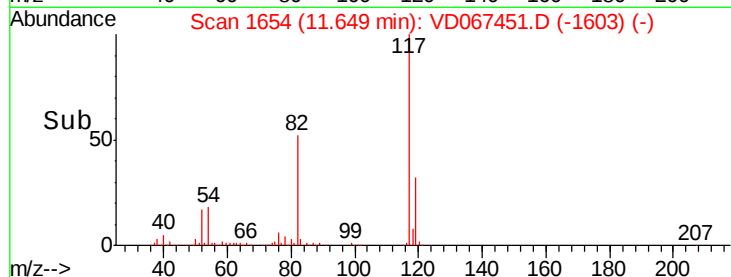
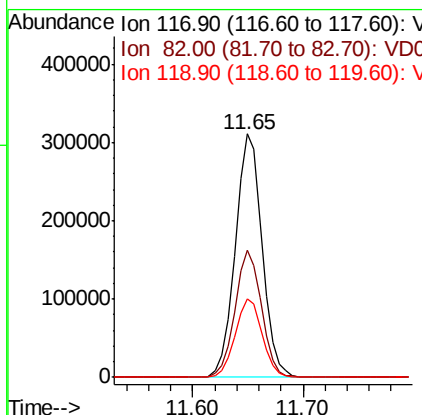
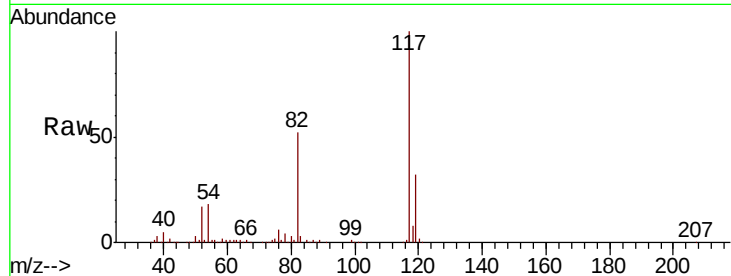




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067451.D
Acq: 29 Oct 2020 14:51

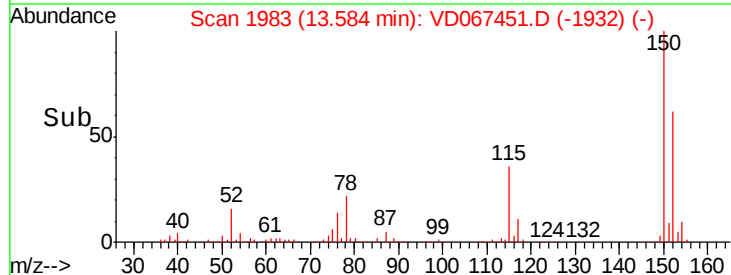
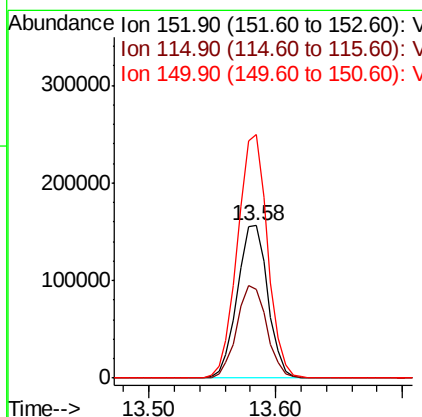
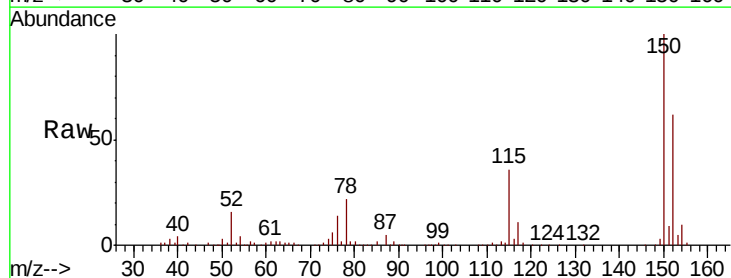
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-LOC3-SO-0003

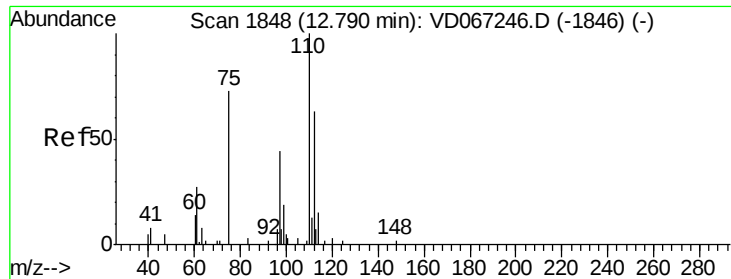
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	39.9	59.9
119	32.4	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067451.D
Acq: 29 Oct 2020 14:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.3	87.9
150	157.9	0.0	339.0

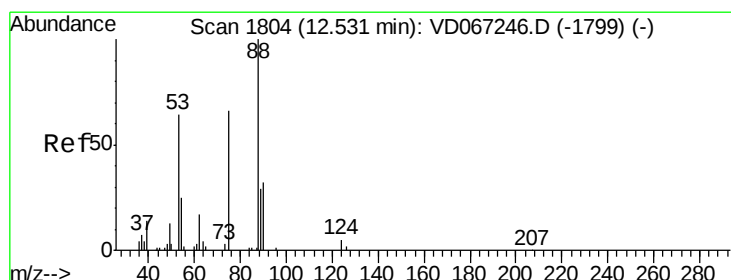
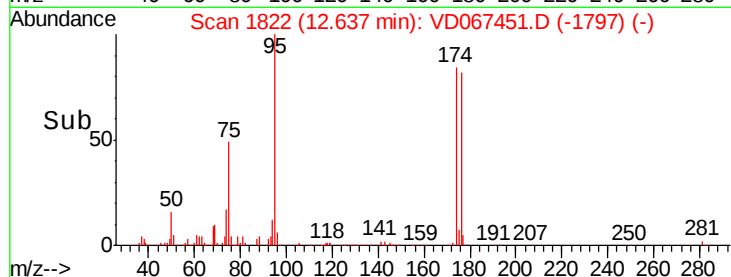
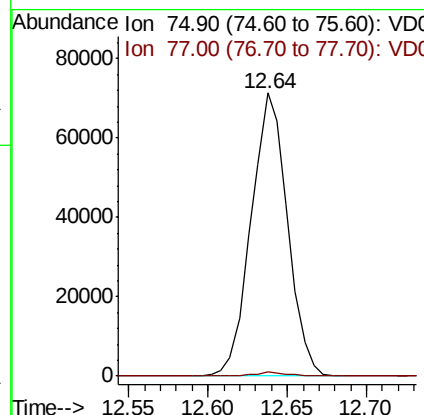
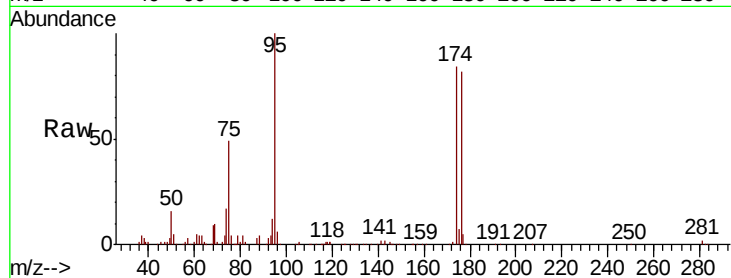




#76
 1,2,3-Trichloropropane
 Concen: 63.388 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067451.D
 Acq: 29 Oct 2020 14:51

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

Tot Ion: 75 Resp: 113906
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.746 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067451.D
 Acq: 29 Oct 2020 14:51

Tgt Ion: 75 Resp: 113906
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 39.9 59.9#

