

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090220\
 Data File : VN063203.D
 Acq On : 2 Sep 2020 18:40
 Operator : JC/MD
 Sample : L3878-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Z3-IDW-SOIL-0820

Quant Time: Sep 03 01:02:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	314485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	619436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	601922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	235915	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	249116	48.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.92%	
35) Dibromofluoromethane	7.55	113	190874	48.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.06%	
50) Toluene-d8	10.06	98	777647	50.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.38	95	267163	49.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.86%	

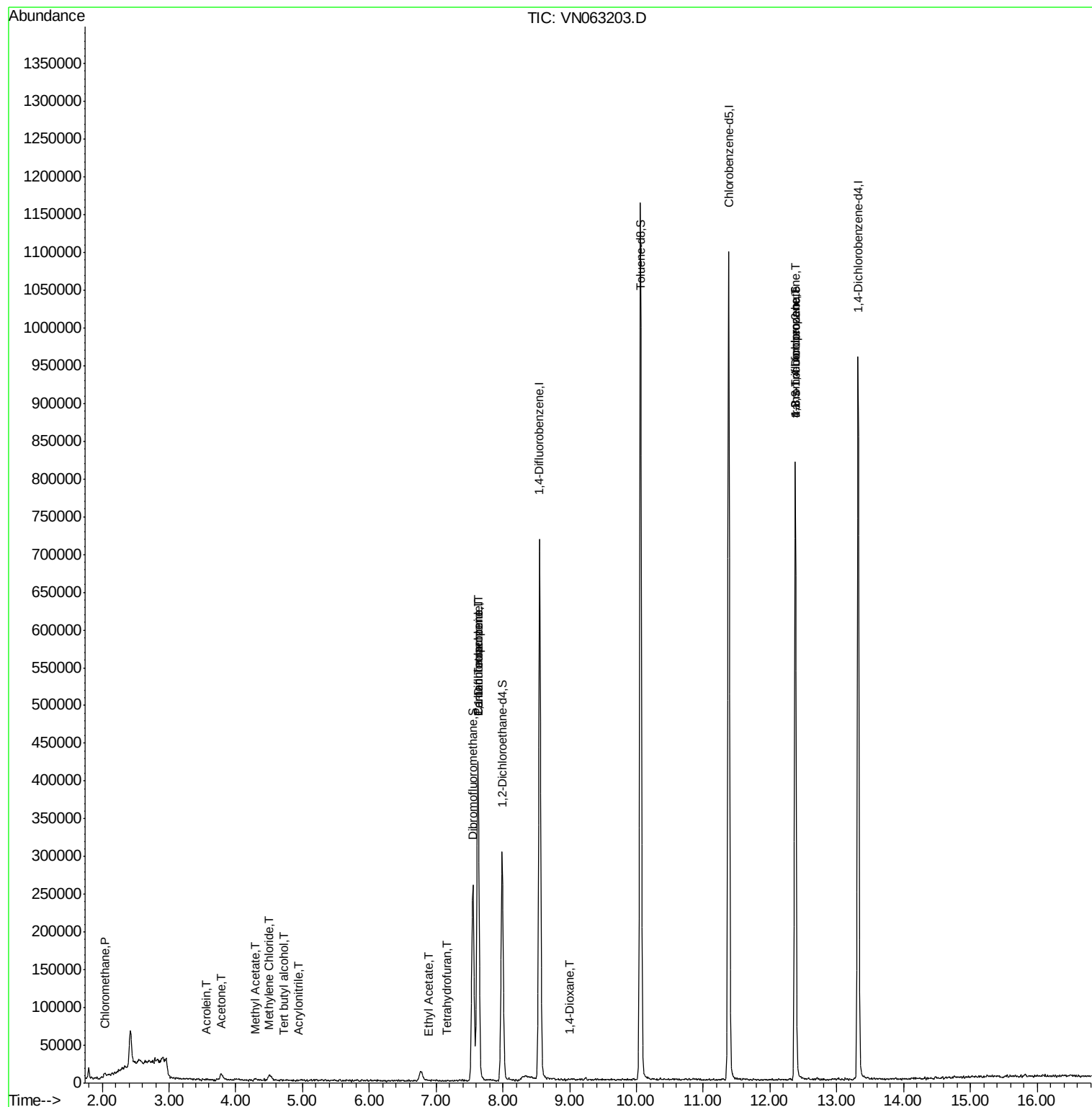
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1986	0.440	ug/l #	61
7) Trichlorofluoromethane	2.97	101	110	Below Cal	#	19
11) Tert butyl alcohol	4.73	59	864	1.369	ug/l #	81
13) Acrolein	3.55	56	30	15.886	ug/l #	54
15) Acrylonitrile	4.93	53	60	2.438	ug/l #	1
16) Acetone	3.78	43	15467	10.584	ug/l	97
18) Methyl Acetate	4.29	43	3034	0.810	ug/l #	72
20) Methylene Chloride	4.51	84	3203	0.290	ug/l #	81
29) Tetrahydrofuran	7.17	42	317	0.203	ug/l #	52
31) Cyclohexane	7.62	56	9181	Below Cal	#	25
36) 1,1-Dichloropropene	7.63	75	28905	4.854	ug/l #	51
37) Ethyl Acetate	6.88	43	205	0.416	ug/l #	59
38) Carbon Tetrachloride	7.63	117	35721	5.915	ug/l #	16
49) 1,4-Dioxane	8.99	88	114	1.684	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	154649	33.364	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	154649	80.640	ug/l #	10

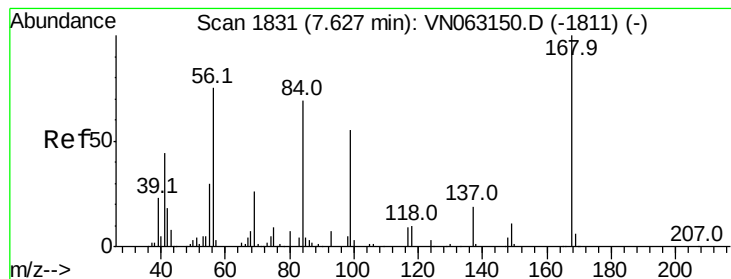
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090220\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063203.D

Acq: 2 Sep 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

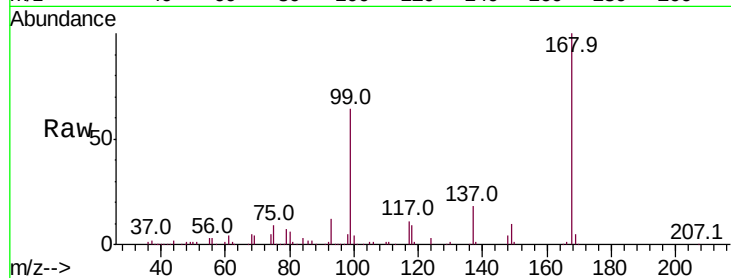
Z3-IDW-SOIL-0820

Tot Ion:168 Resp: 314485

Ion Ratio Lower Upper

168 100

99 63.7 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

150000

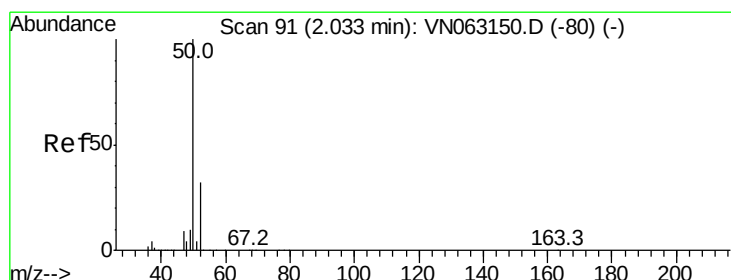
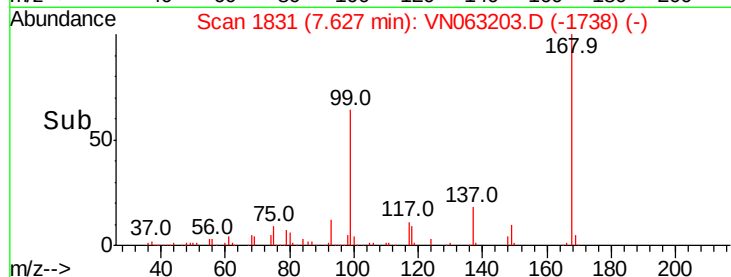
100000

50000

0

7.50 7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.440 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063203.D

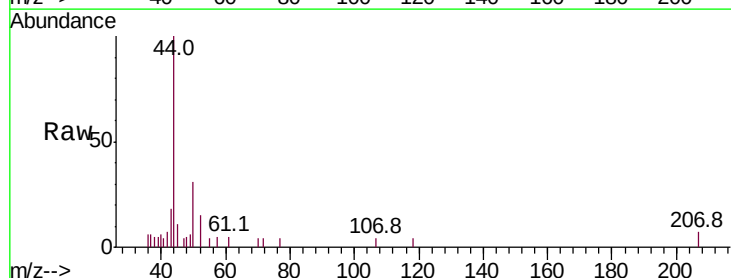
Acq: 2 Sep 2020 18:40

Tgt Ion: 50 Resp: 1986

Ion Ratio Lower Upper

50 100

52 53.8 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1500

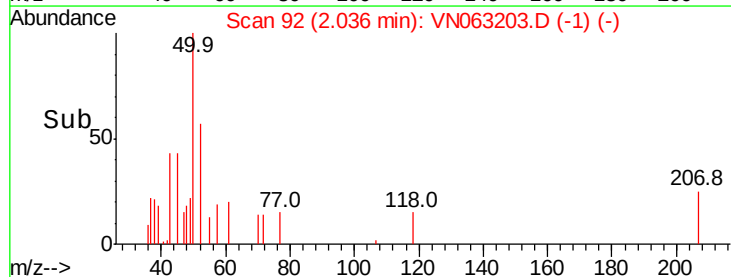
1000

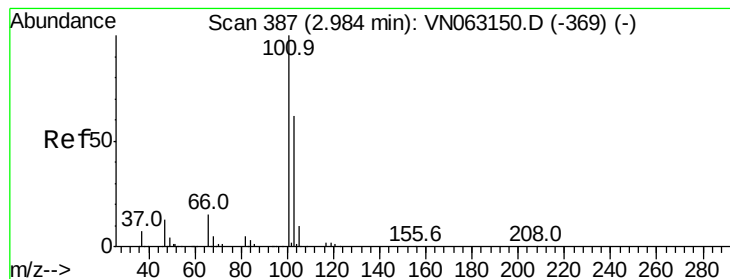
500

0

2.00 2.05

Time-->



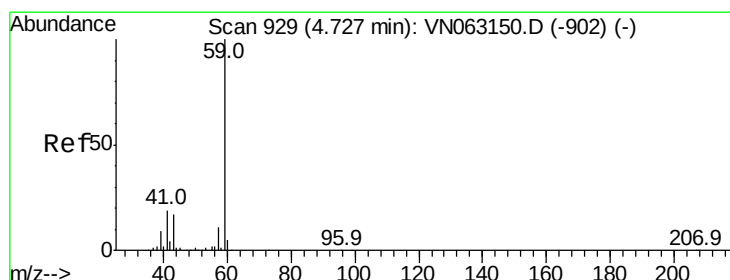
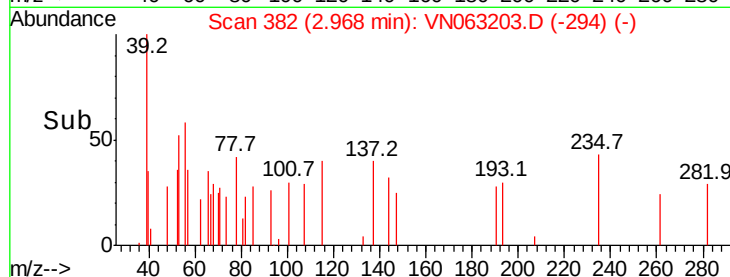
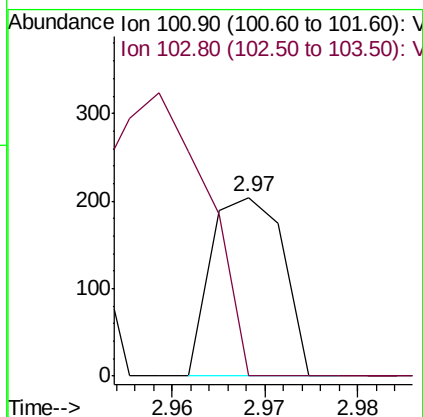
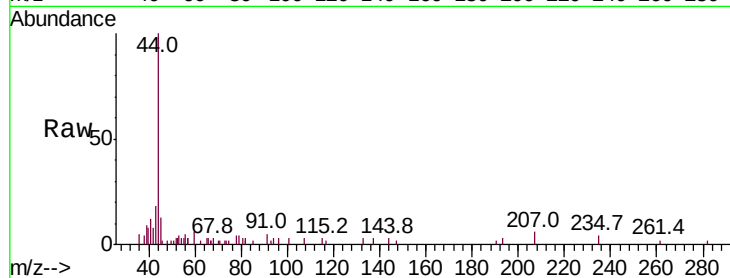


#7

Trichlorofluoromethane
Concen: Below Cal
RT: 2.97 min Scan# 382
Delta R.T. -0.02 min
Lab File: VN063203.D
Acq: 2 Sep 2020 18:40

Instrument :
MSVOA_N
ClientSampleId :
Z3-IDW-SOIL-0820

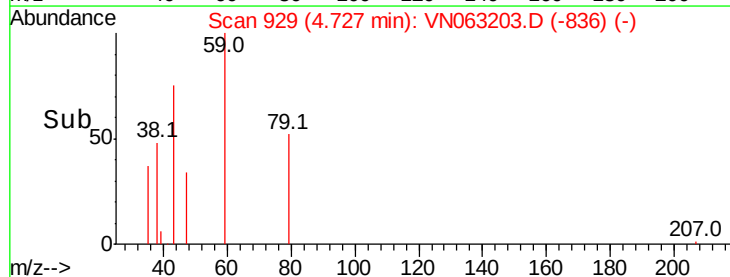
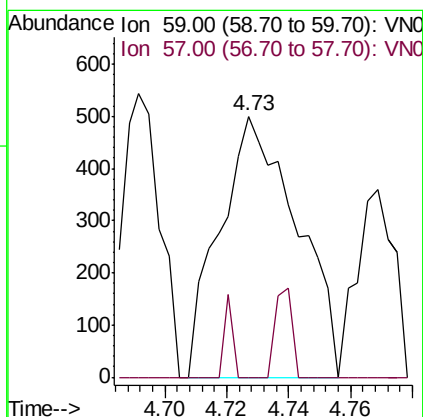
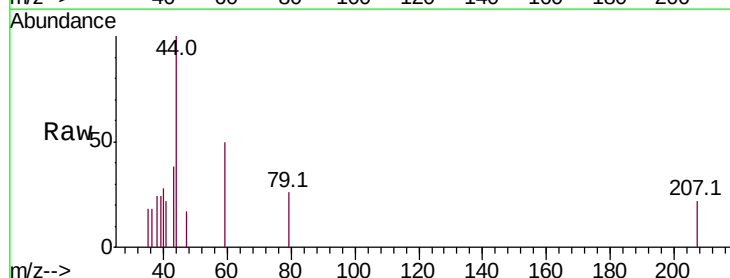
Tot Ion:101 Resp: 110
Ion Ratio Lower Upper
101 100
103 0.0 49.7 74.5#

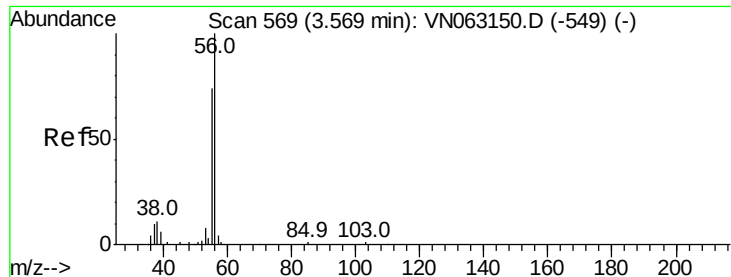


#11

Tert butyl alcohol
Concen: 1.369 ug/l
RT: 4.73 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN063203.D
Acq: 2 Sep 2020 18:40

Tgt Ion: 59 Resp: 864
Ion Ratio Lower Upper
59 100
57 3.5 8.4 12.6#





#13

Acrolein

Concen: 15.886 ug/l

RT: 3.55 min Scan# 563

Delta R.T. -0.02 min

Lab File: VN063203.D

Acq: 2 Sep 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

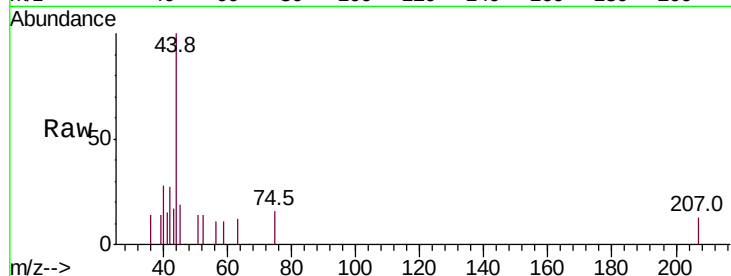
Z3-IDW-SOIL-0820

Tot Ion: 56 Resp: 30

Ion Ratio Lower Upper

56 100

55 106.7 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.55

150

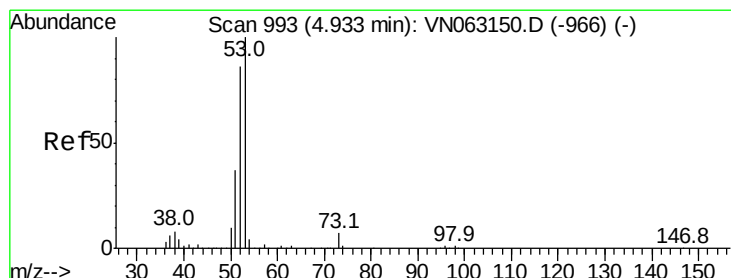
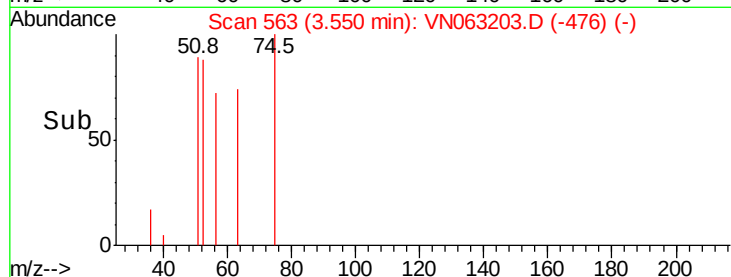
100

50

0

3.54 3.54 3.55 3.56 3.56

Time-->



#15

Acrylonitrile

Concen: 2.438 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN063203.D

Acq: 2 Sep 2020 18:40

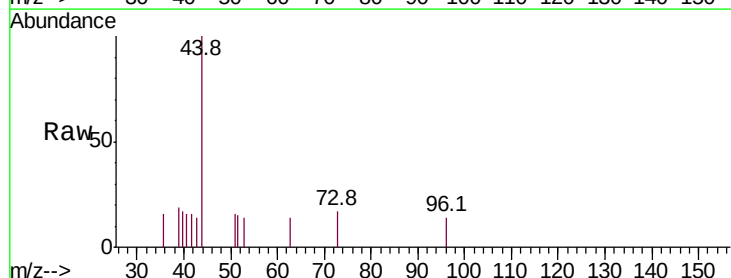
Tgt Ion: 53 Resp: 60

Ion Ratio Lower Upper

53 100

52 0.0 67.2 100.8#

51 285.0 30.2 45.4#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

400

300

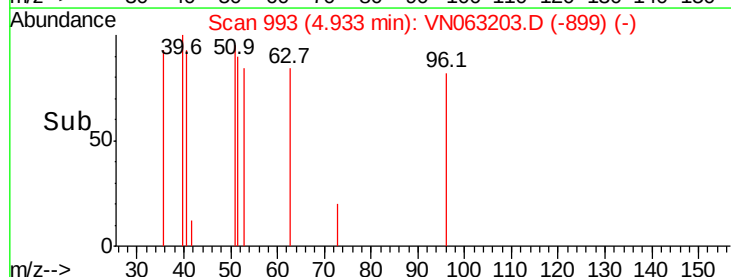
200

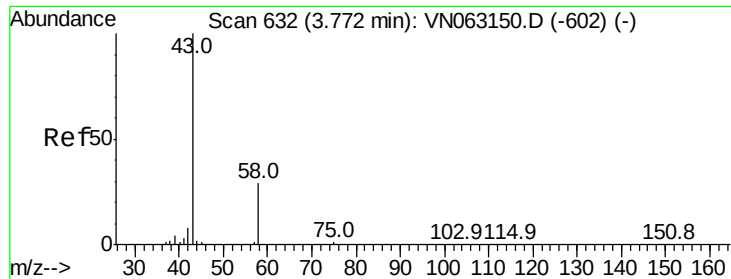
100

0

4.92 4.93 4.94

Time-->





#16

Acetone

Concen: 10.584 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN063203.D

Acq: 2 Sep 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

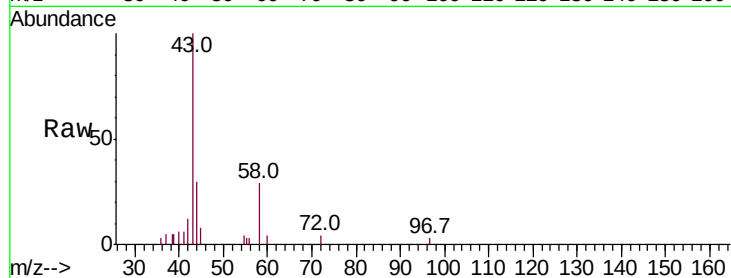
Z3-IDW-SOIL-0820

Tot Ion: 43 Resp: 15467

Ion Ratio Lower Upper

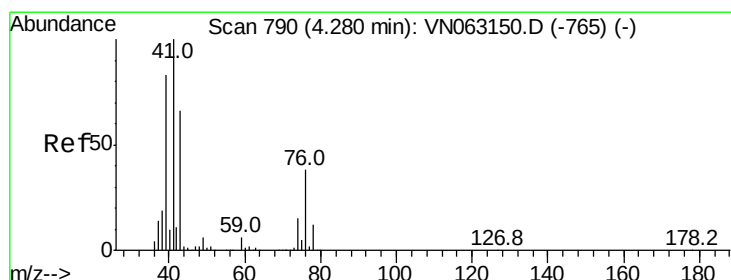
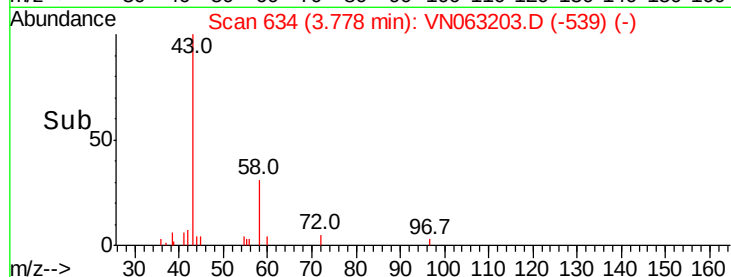
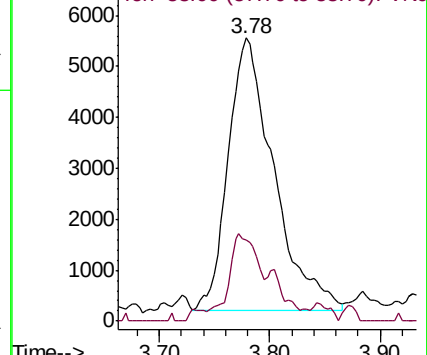
43 100

58 27.1 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.810 ug/l

RT: 4.29 min Scan# 794

Delta R.T. 0.01 min

Lab File: VN063203.D

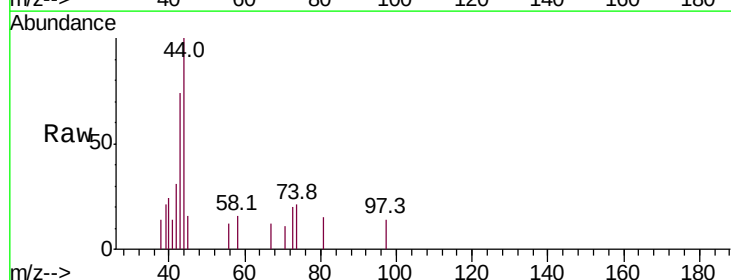
Acq: 2 Sep 2020 18:40

Tgt Ion: 43 Resp: 3034

Ion Ratio Lower Upper

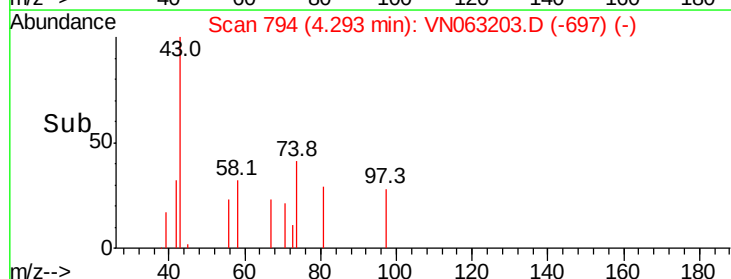
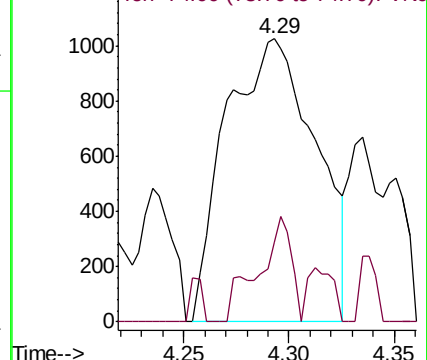
43 100

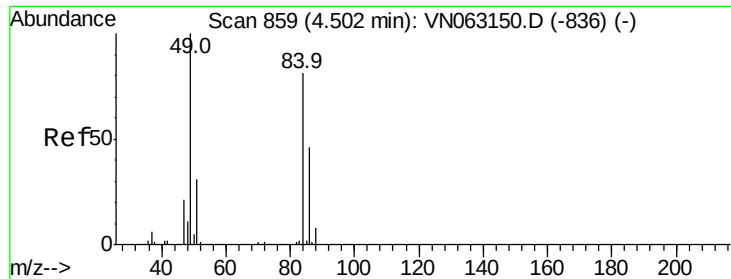
74 9.8 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

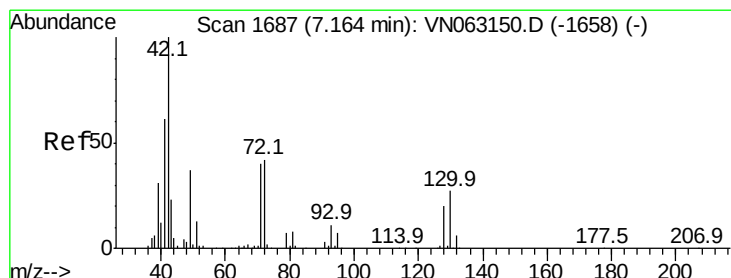
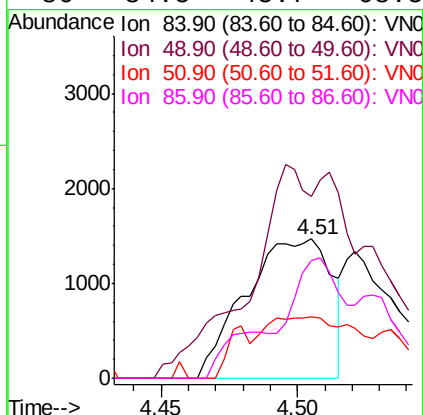
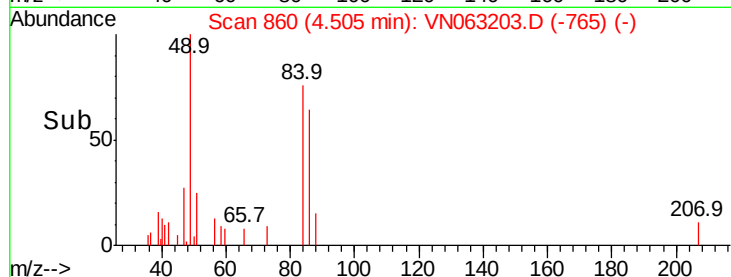
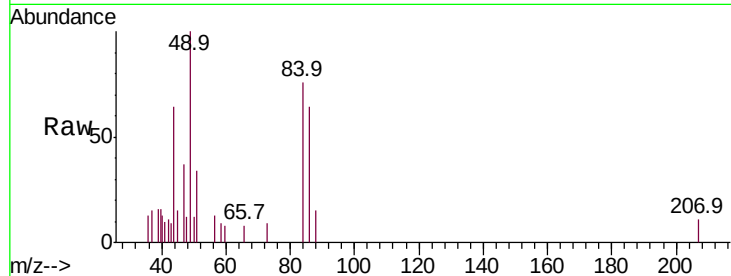




#20
Methylene Chloride
Concen: 0.290 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063203.D
Acq: 2 Sep 2020 18:40

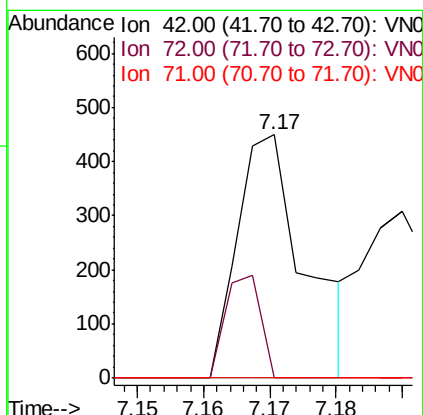
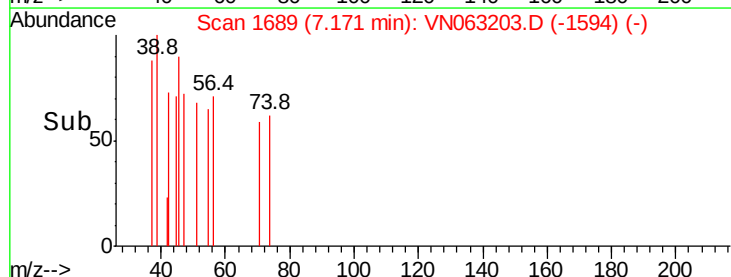
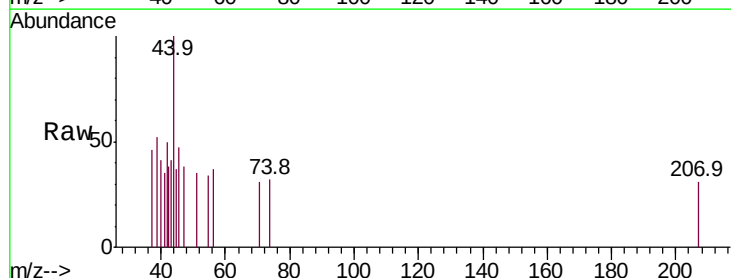
Instrument :
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Z3-IDW-SOIL-0820

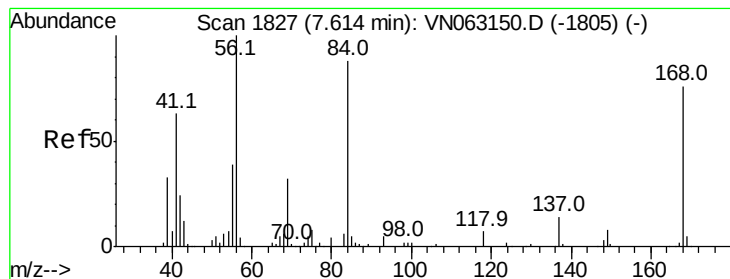
Tot Ion: 84 Resp: 3203
Ion Ratio Lower Upper
84 100
49 108.3 98.4 147.6
51 44.1 30.4 45.6
86 84.5 45.7 68.5#



#29
Tetrahydrofuran
Concen: 0.203 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN063203.D
Acq: 2 Sep 2020 18:40

Tgt Ion: 42 Resp: 317
Ion Ratio Lower Upper
42 100
72 22.1 33.9 50.9#
71 0.0 31.9 47.9#





#31

Cyclohexane

Concen: Below Cal

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063203.D

Acq: 2 Sep 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

Z3-IDW-SOIL-0820

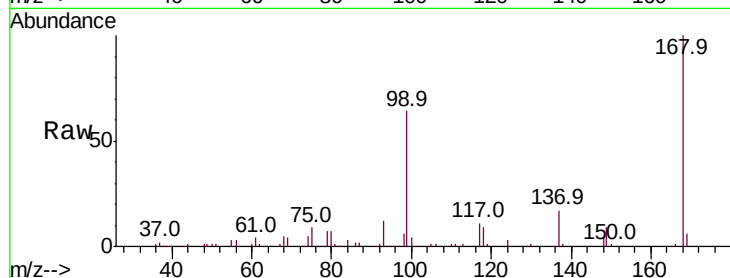
Tot Ion: 56 Resp: 9181

Ion Ratio Lower Upper

56 100

69 147.0 25.4 38.0#

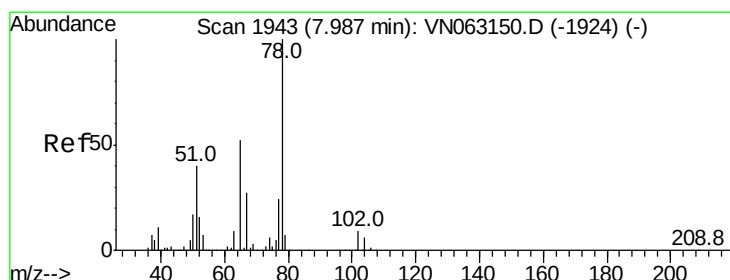
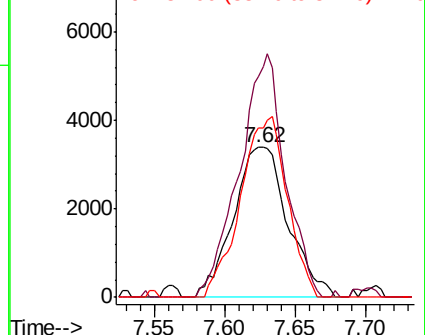
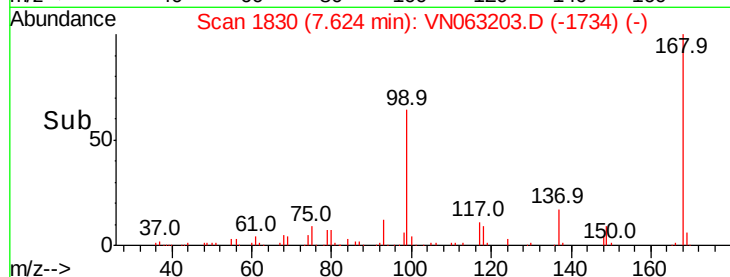
84 113.0 70.2 105.4#



Abundance Ion 56.00 (55.70 to 56.70): VN063203.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN063203.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN063203.D (-1734) (-)



#33

1,2-Dichloroethane-d4

Concen: 48.458 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063203.D

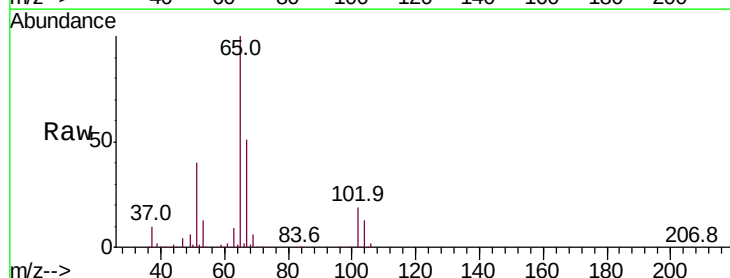
Acq: 2 Sep 2020 18:40

Tgt Ion: 65 Resp: 249116

Ion Ratio Lower Upper

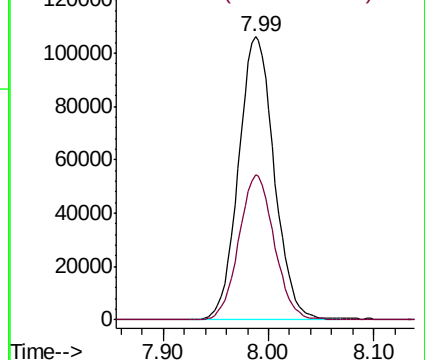
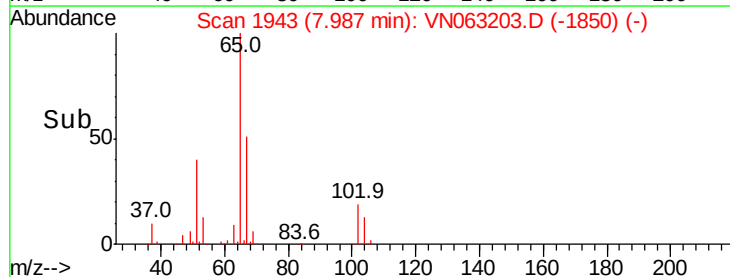
65 100

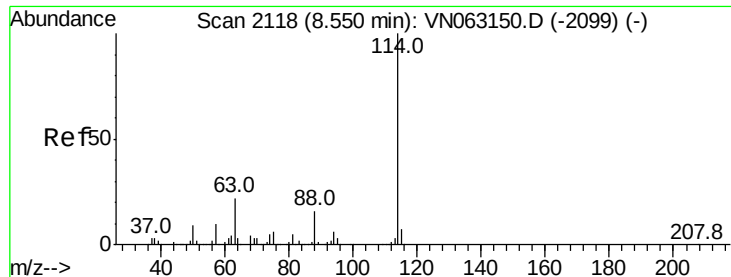
67 51.0 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VN063203.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063203.D (-1850) (-)

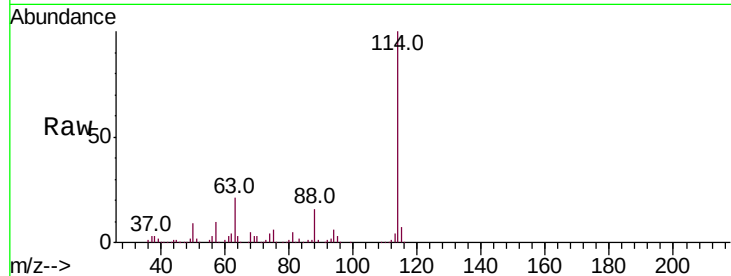




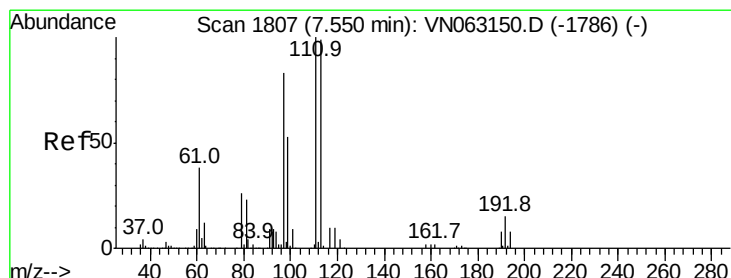
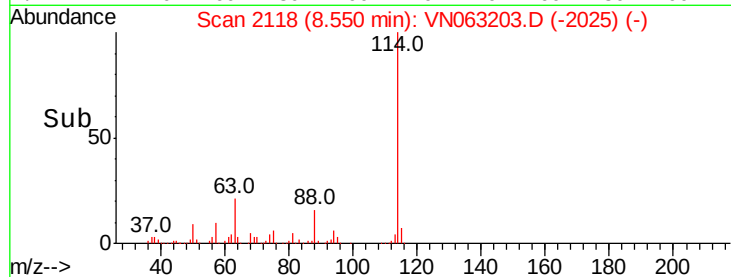
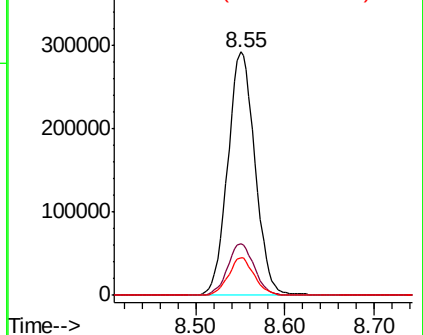
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN063203.D
Acq: 2 Sep 2020 18:40

Instrument :
MSVOA_N
ClientSampleId :
Z3-IDW-SOIL-0820

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.0
88	15.6	0.0	31.6

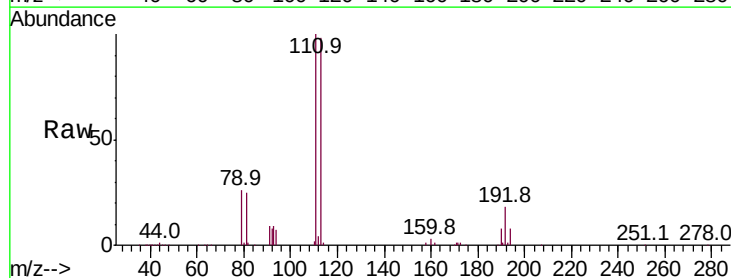


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

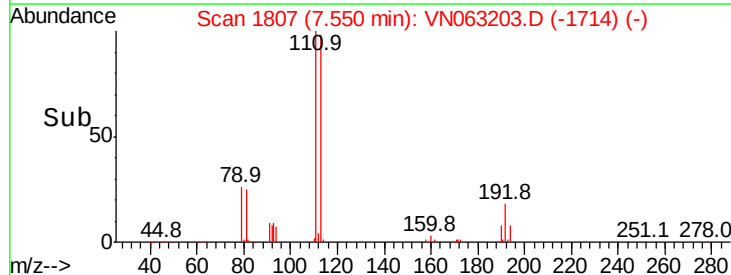
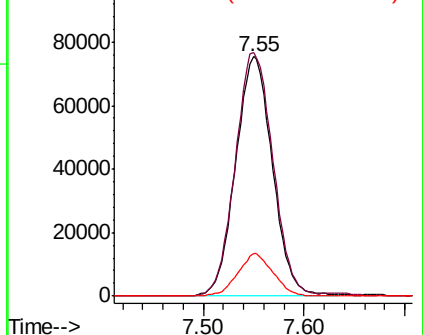


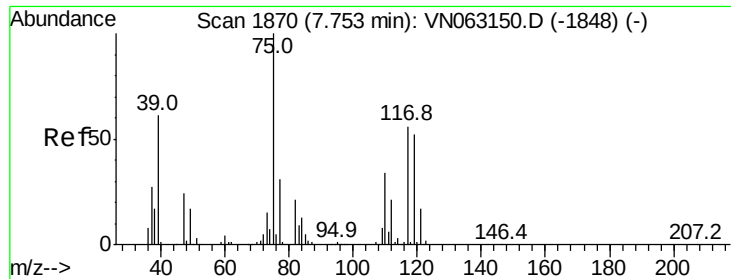
#35
Dibromofluoromethane
Concen: 48.031 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063203.D
Acq: 2 Sep 2020 18:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	80.7	121.1
192	17.0	12.6	19.0



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: 4.854 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.12 min

Lab File: VN063203.D

Acq: 2 Sep 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

Z3-IDW-SOIL-0820

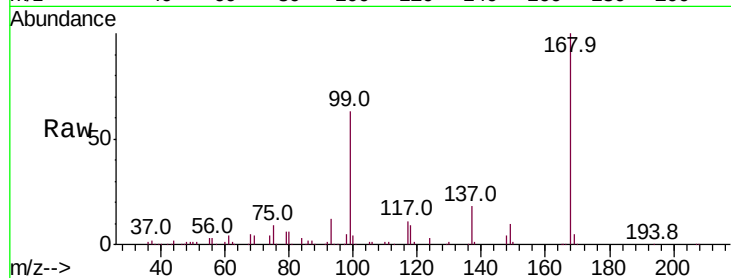
Tot Ion: 75 Resp: 28905

Ion Ratio Lower Upper

75 100

110 9.6 16.6 49.8#

77 0.1 25.4 38.2#

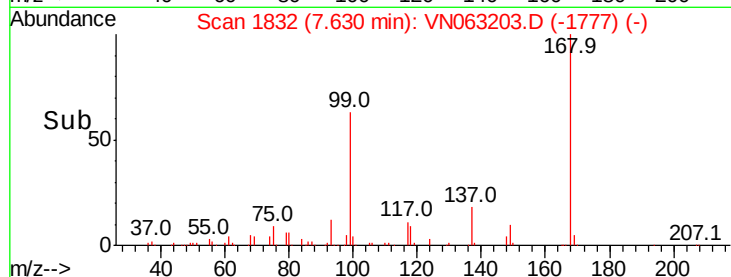


Abundance Ion 74.90 (74.60 to 75.60): VN063203.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN063203.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN063203.D (-1777) (-)

Time-->

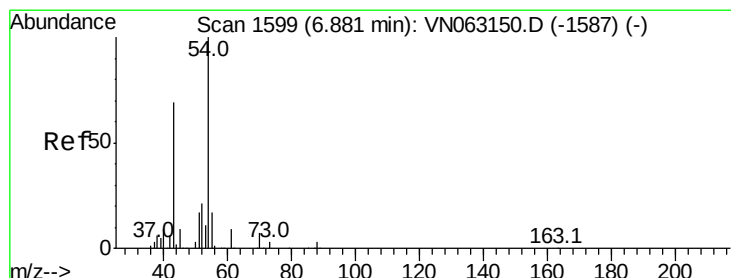


Abundance Ion 74.90 (74.60 to 75.60): VN063203.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN063203.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN063203.D (-1777) (-)

Time-->



#37

Ethyl Acetate

Concen: 0.416 ug/l

RT: 6.88 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VN063203.D

Acq: 2 Sep 2020 18:40

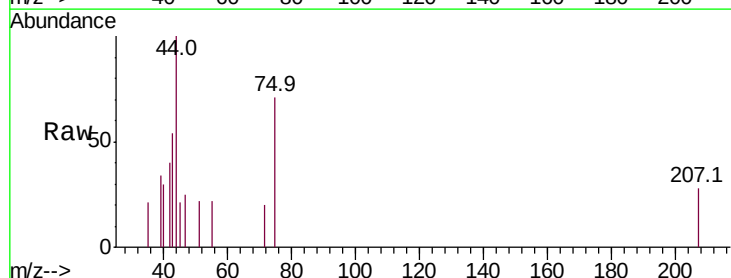
Tgt Ion: 43 Resp: 205

Ion Ratio Lower Upper

43 100

61 32.7 10.2 15.4#

70 0.0 3.0 4.6#

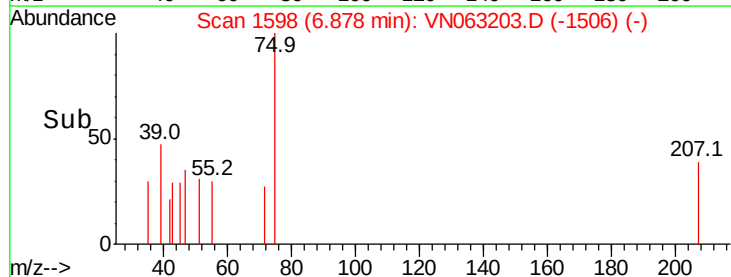


Abundance Ion 43.00 (42.70 to 43.70): VN063203.D (-1506) (-)

Ion 60.90 (60.60 to 61.60): VN063203.D (-1506) (-)

Ion 70.00 (69.70 to 70.70): VN063203.D (-1506) (-)

Time-->

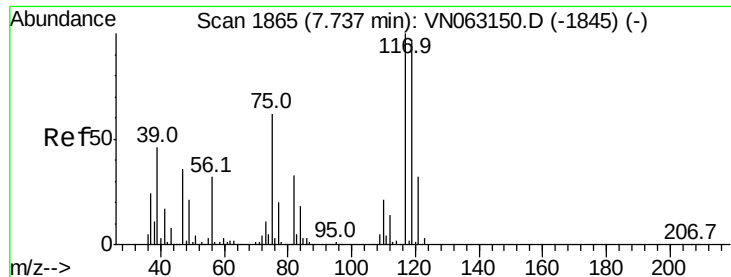


Abundance Ion 43.00 (42.70 to 43.70): VN063203.D (-1506) (-)

Ion 60.90 (60.60 to 61.60): VN063203.D (-1506) (-)

Ion 70.00 (69.70 to 70.70): VN063203.D (-1506) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.915 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063203.D

Acq: 2 Sep 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

Z3-IDW-SOIL-0820

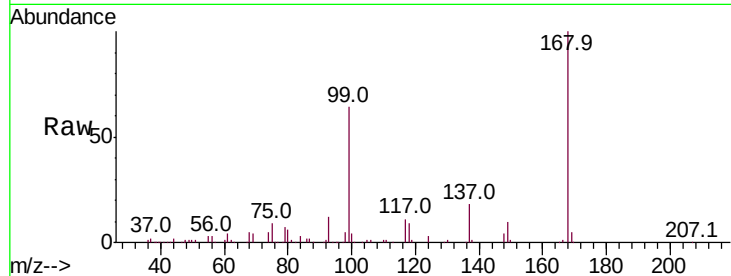
Tot Ion:117 Resp: 35721

Ion Ratio Lower Upper

117 100

119 6.0 77.2 115.8#

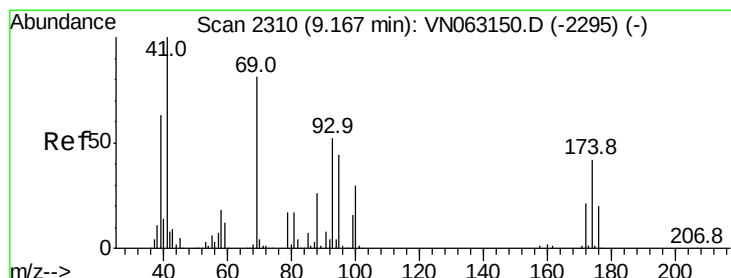
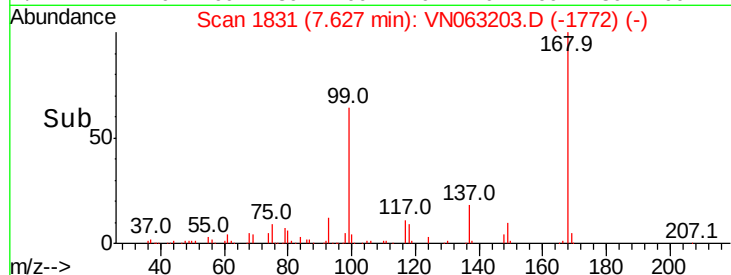
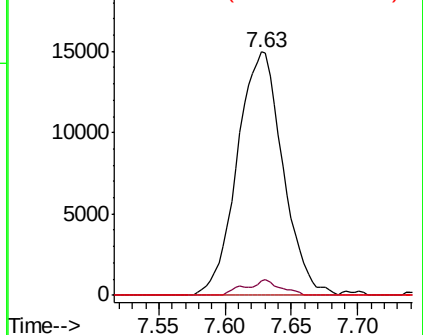
121 0.0 25.6 38.4#



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



#49

1,4-Dioxane

Concen: 1.684 ug/l

RT: 8.99 min Scan# 2256

Delta R.T. -0.17 min

Lab File: VN063203.D

Acq: 2 Sep 2020 18:40

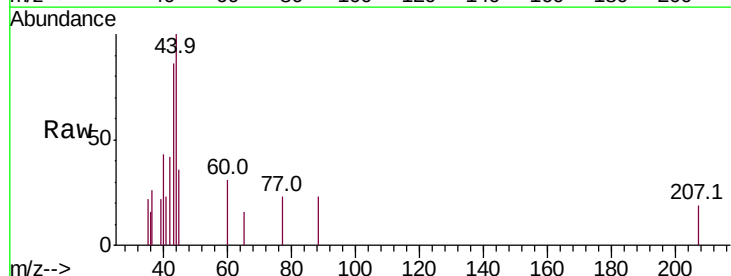
Tgt Ion: 88 Resp: 114

Ion Ratio Lower Upper

88 100

43 294.7 28.6 42.8#

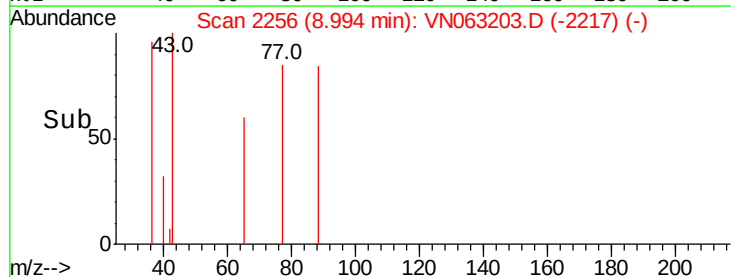
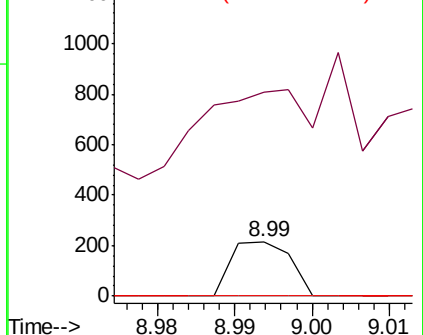
58 0.0 53.2 79.8#

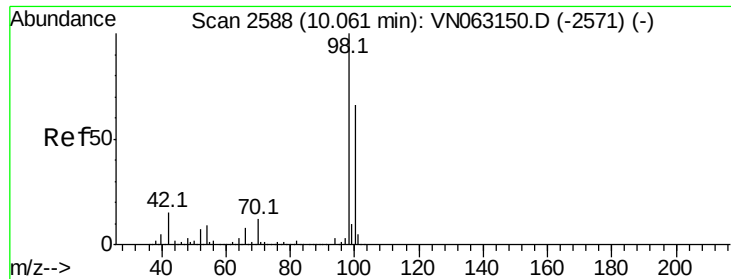


Abundance Ion 88.00 (87.70 to 88.70): V

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V





#50

Toluene-d8

Concen: 50.840 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063203.D

Acq: 2 Sep 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

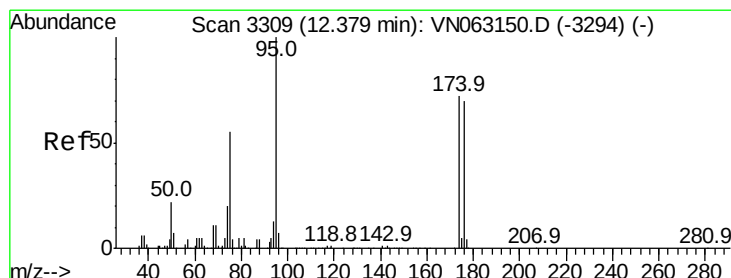
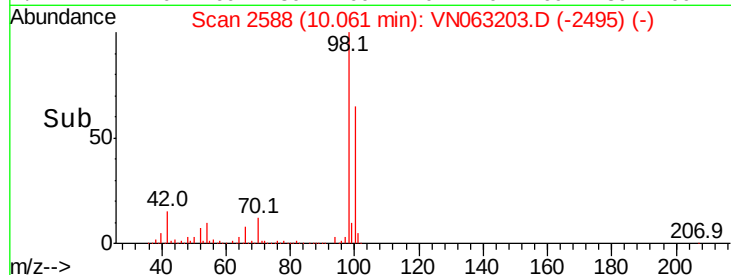
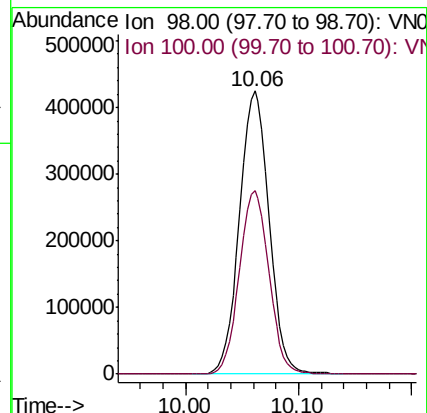
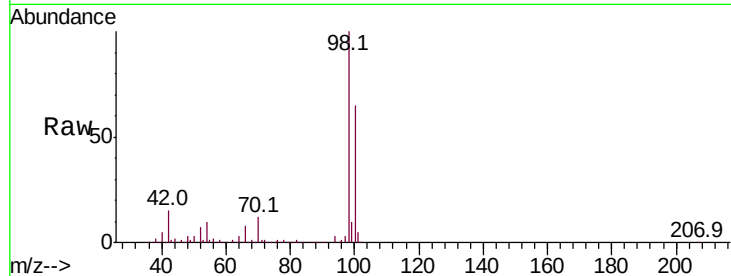
Z3-IDW-SOIL-0820

Tot Ion: 98 Resp: 777647

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 49.931 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.00 min

Lab File: VN063203.D

Acq: 2 Sep 2020 18:40

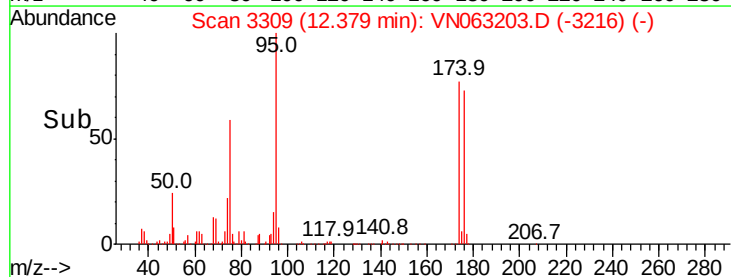
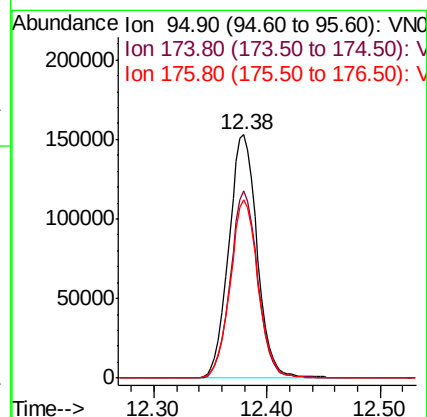
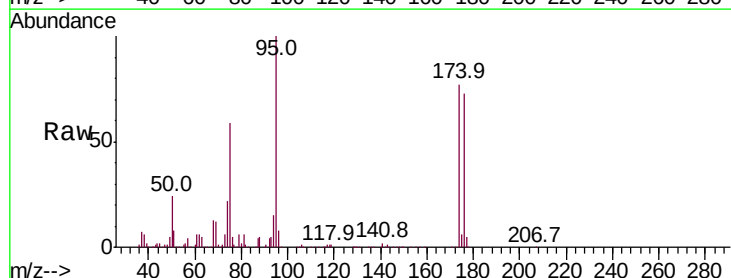
Tgt Ion: 95 Resp: 267163

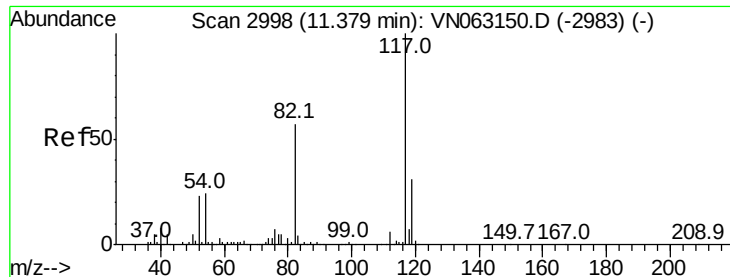
Ion Ratio Lower Upper

95 100

174 74.1 0.0 143.8

176 72.0 0.0 138.4

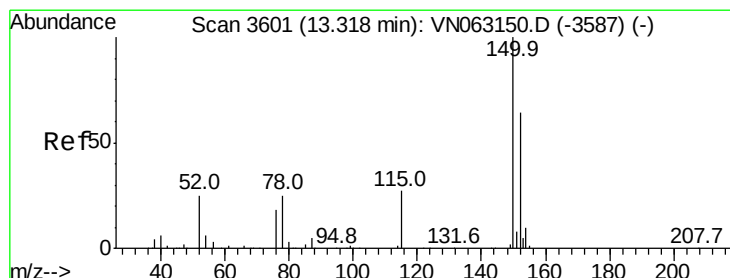
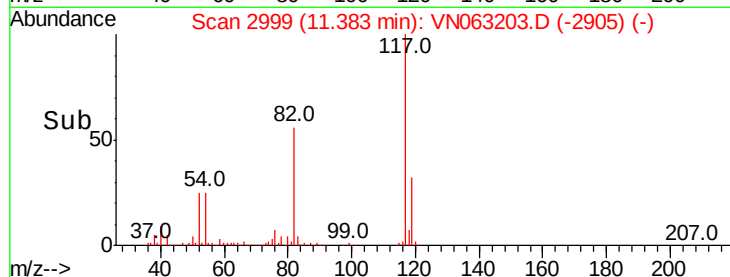
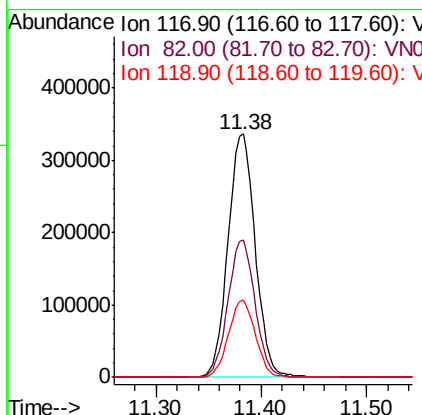
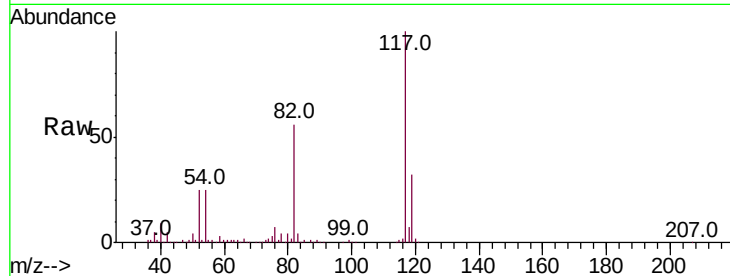




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN063203.D
Acq: 2 Sep 2020 18:40

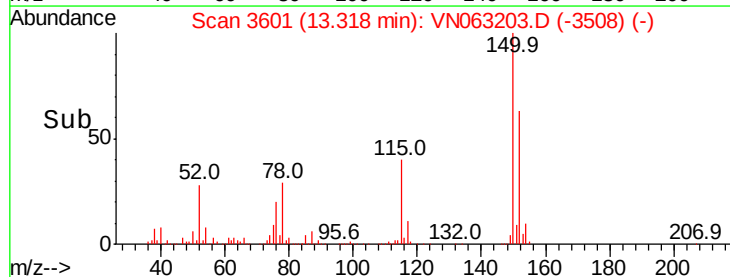
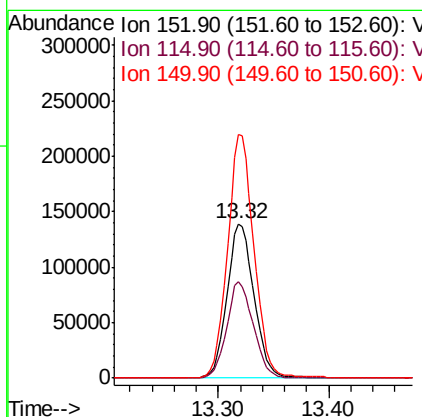
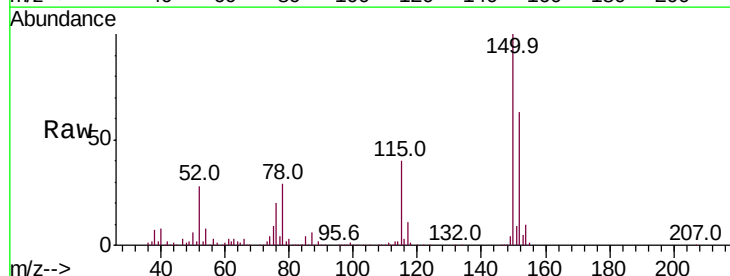
Instrument :
MSVOA_N
ClientSampleId :
Z3-IDW-SOIL-0820

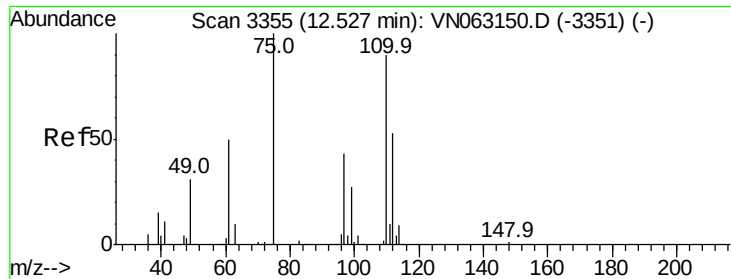
Tot Ion:117 Resp: 601922
Ion Ratio Lower Upper
117 100
82 56.4 45.4 68.0
119 31.8 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063203.D
Acq: 2 Sep 2020 18:40

Tgt Ion:152 Resp: 235915
Ion Ratio Lower Upper
152 100
115 61.1 32.0 96.2
150 154.0 0.0 353.0





#76

1,2,3-Trichloropropane

Concen: 33.364 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. -0.15 min

Lab File: VN063203.D

Acq: 2 Sep 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

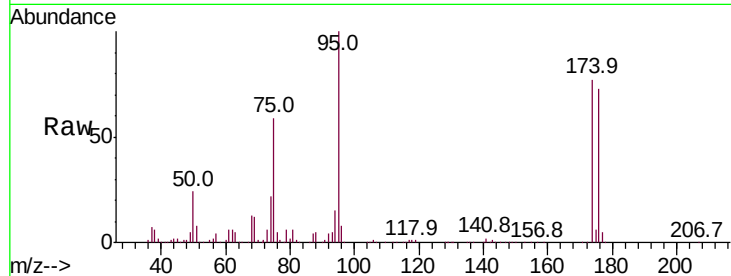
Z3-IDW-SOIL-0820

Tot Ion: 75 Resp: 154649

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.38

100000

80000

60000

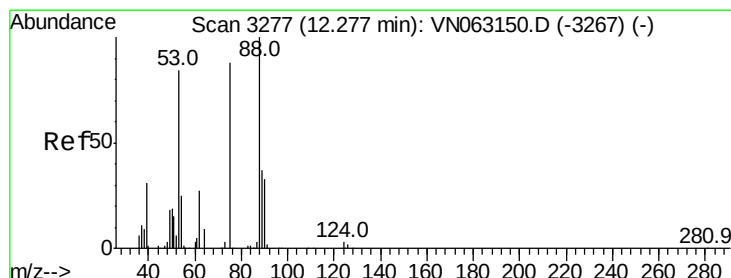
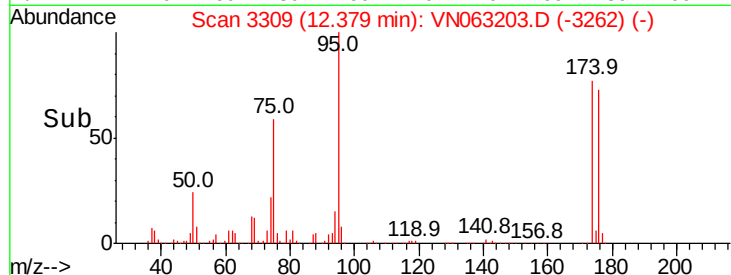
40000

20000

0

Time-->

12.30 12.40



#81

trans-1,4-Dichloro-2-butene

Concen: 80.640 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.10 min

Lab File: VN063203.D

Acq: 2 Sep 2020 18:40

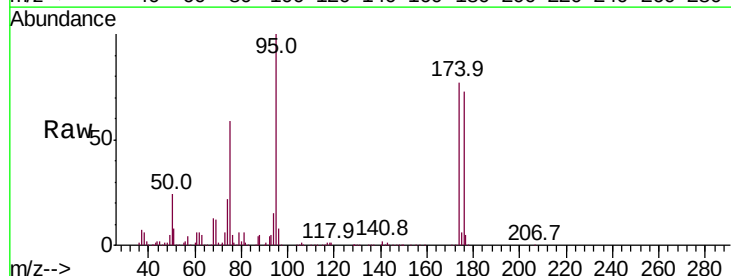
Tgt Ion: 75 Resp: 154649

Ion Ratio Lower Upper

75 100

53 0.2 78.7 118.1#

89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

120000

100000

80000

60000

40000

20000

0

Time-->

12.30 12.40

