

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103020\
 Data File : VN064394.D
 Acq On : 30 Oct 2020 12:49
 Operator : JC/MD
 Sample : L4572-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

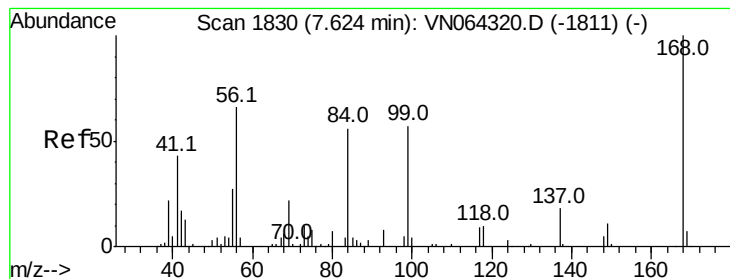
Quant Time: Nov 02 02:05:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	202909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	353373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	345838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	140894	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	162382	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	7.55	113	117987	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
50) Toluene-d8	10.06	98	438955	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.37	95	180529	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	410	0.260	ug/l #	44
11) Tert butyl alcohol	4.71	59	318	0.672	ug/l #	70
16) Acetone	3.77	43	1098	Below Cal	#	48
25) 2-Butanone	6.77	43	575	0.351	ug/l #	52
31) Cyclohexane	7.62	56	4823	1.274	ug/l #	4
36) 1,1-Dichloropropene	7.62	75	18555	5.203	ug/l #	48
38) Carbon Tetrachloride	7.63	117	21803	5.273	ug/l #	18
43) Isopropyl Acetate	8.18	43	3091	0.502	ug/l #	57
49) 1,4-Dioxane	9.17	88	31	0.662	ug/l #	1
59) 2-Hexanone	10.71	43	829	0.314	ug/l #	27
71) Bromoform	12.38	173	950	0.427	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	102373	30.341	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	102373	87.399	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.88	180	839	2.329	ug/l	68
94) Hexachlorobutadiene	14.98	225	679	0.492	ug/l	72
95) Naphthalene	15.10	128	2322	2.670	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.28	180	472	2.363	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

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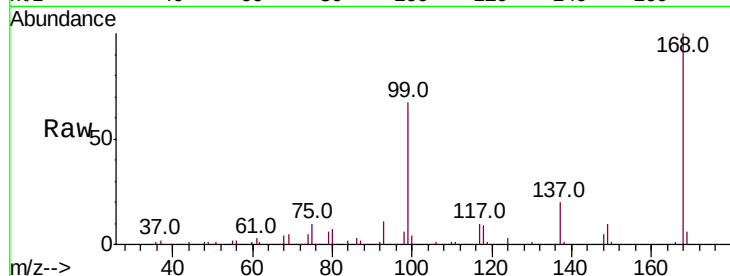
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 202909

Ion Ratio Lower Upper

168 100

99 66.8 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

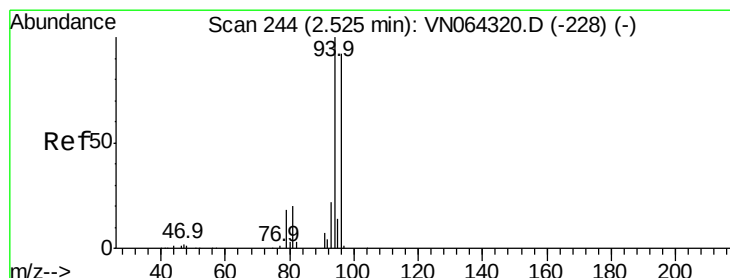
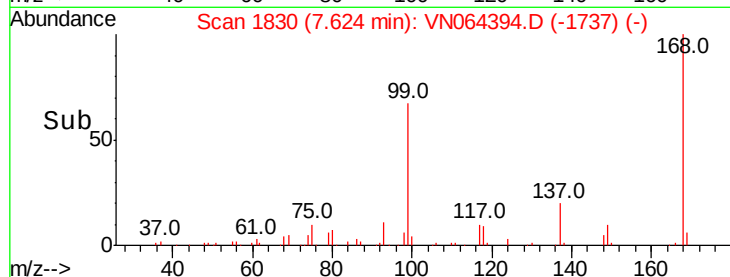
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.260 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.02 min

Lab File: VN064394.D

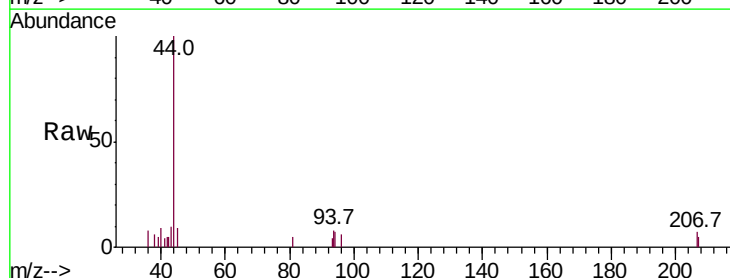
Acq: 30 Oct 2020 12:49

Tgt Ion: 94 Resp: 410

Ion Ratio Lower Upper

94 100

96 38.7 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.54

600

500

400

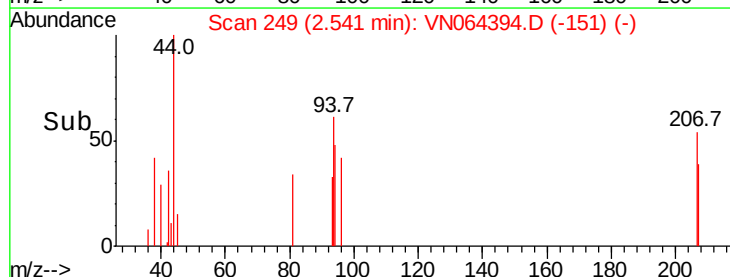
300

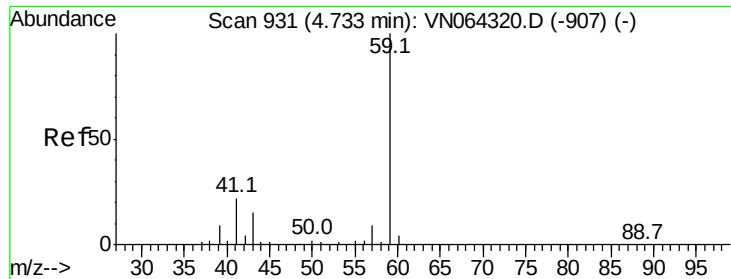
200

100

0

Time--> 2.52 2.54 2.56

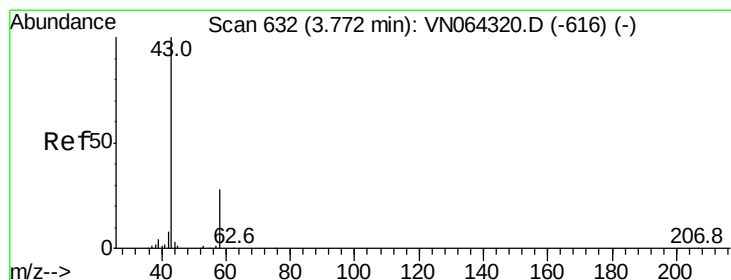
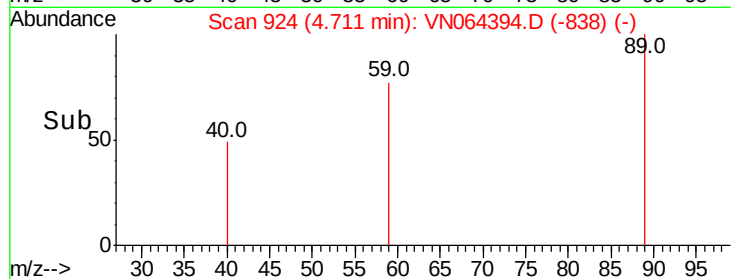
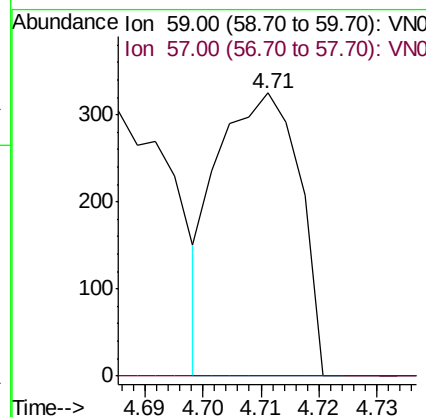
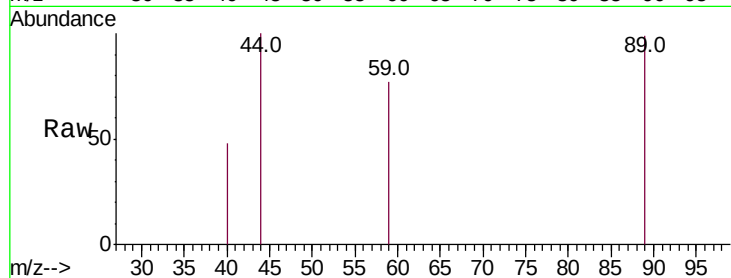




#11
Tert butyl alcohol
Concen: 0.672 ug/l
RT: 4.71 min Scan# 924
Delta R.T. -0.02 min
Lab File: VN064394.D
Acq: 30 Oct 2020 12:49

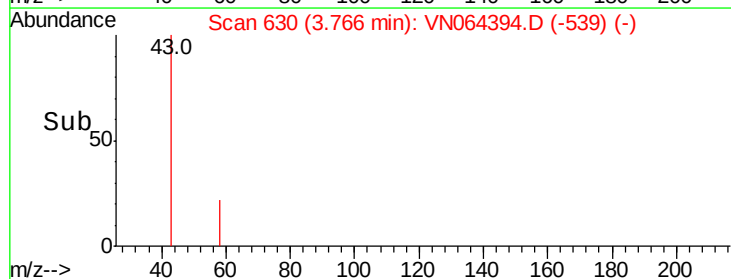
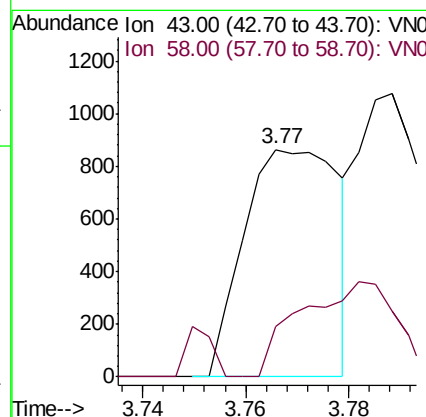
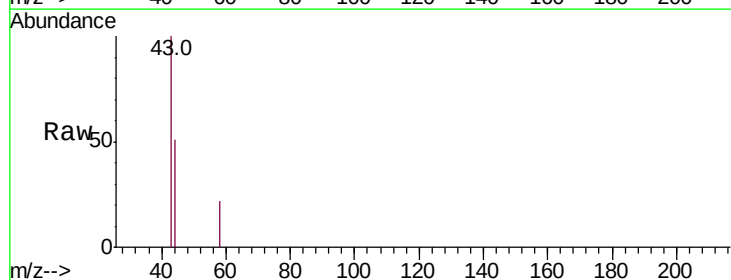
Instrument :
MSVOA_N
ClientSampleId :
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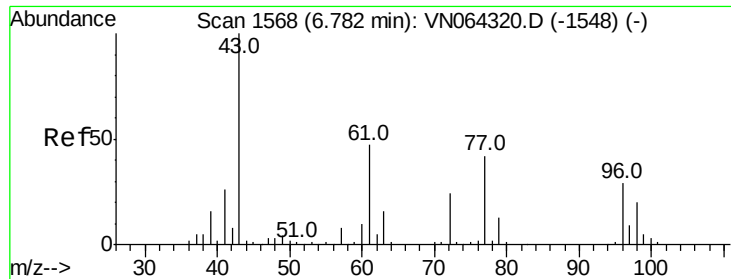
Tot Ion: 59 Resp: 318
Ion Ratio Lower Upper
59 100
57 0.0 9.4 14.0#



#16
Acetone
Concen: Below Cal
RT: 3.77 min Scan# 630
Delta R.T. -0.01 min
Lab File: VN064394.D
Acq: 30 Oct 2020 12:49

Tgt Ion: 43 Resp: 1098
Ion Ratio Lower Upper
43 100
58 0.2 22.1 33.1#





#25

2-Butanone

Concen: 0.351 ug/l

RT: 6.77 min Scan# 1563

Delta R.T. -0.02 min

Lab File: VN064394.D

Acq: 30 Oct 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

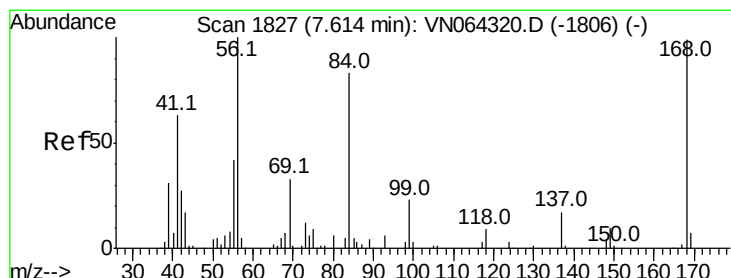
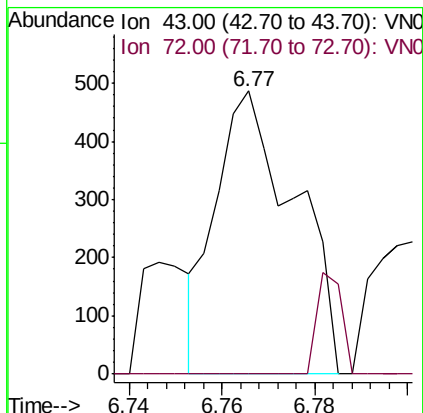
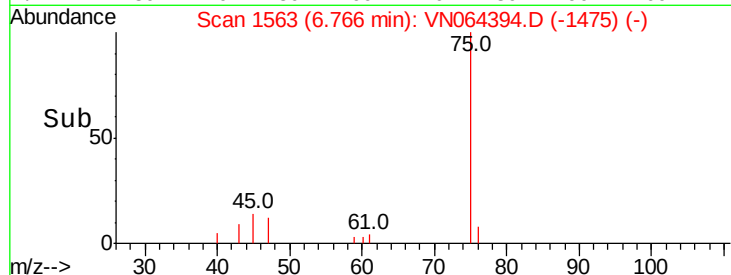
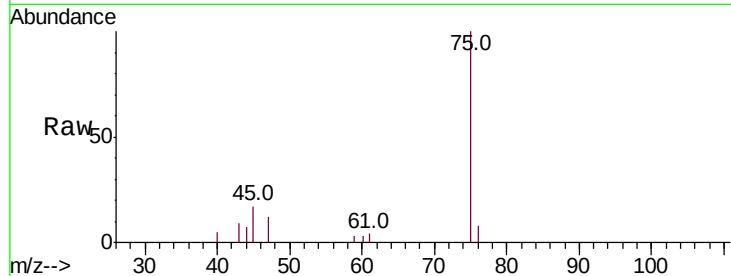
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 575

Ion Ratio Lower Upper

43 100

72 0.0 18.8 28.2#



#31

Cyclohexane

Concen: 1.274 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN064394.D

Acq: 30 Oct 2020 12:49

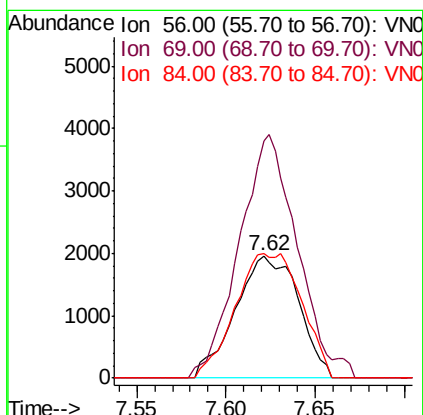
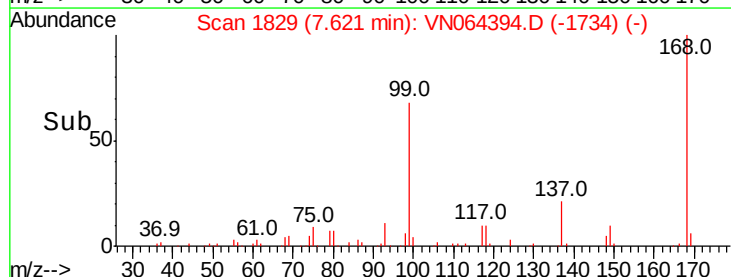
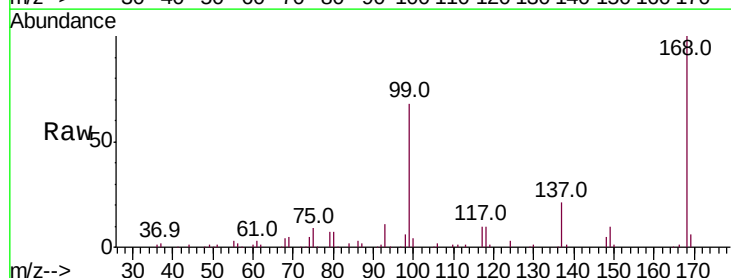
Tgt Ion: 56 Resp: 4823

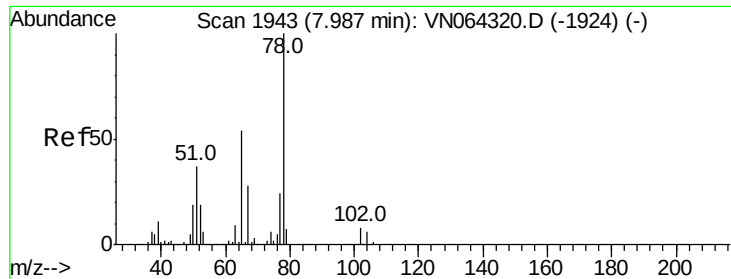
Ion Ratio Lower Upper

56 100

69 193.4 25.8 38.8#

84 102.3 66.3 99.5#





#33

1,2-Dichloroethane-d4

Concen: 49.799 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

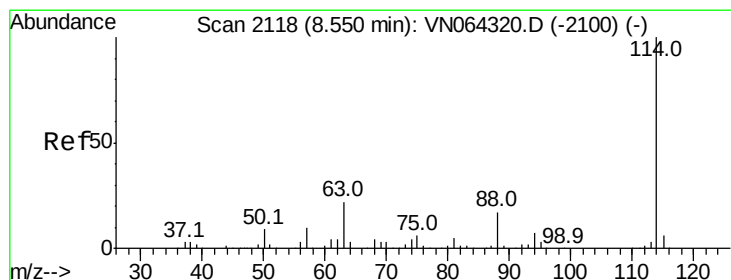
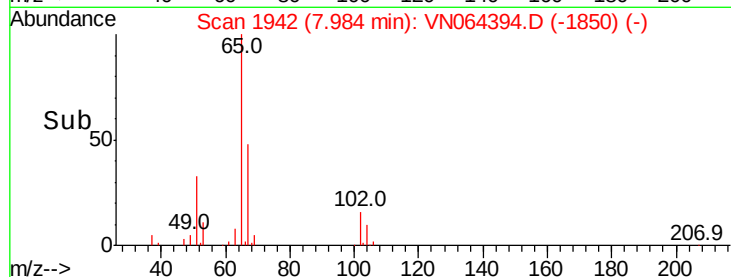
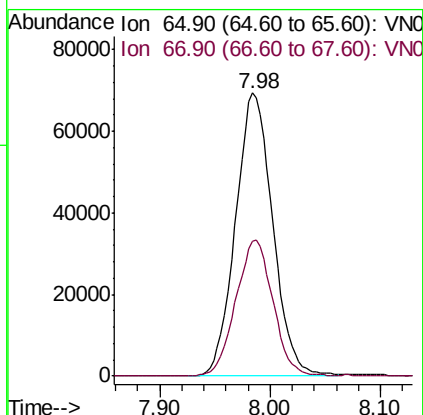
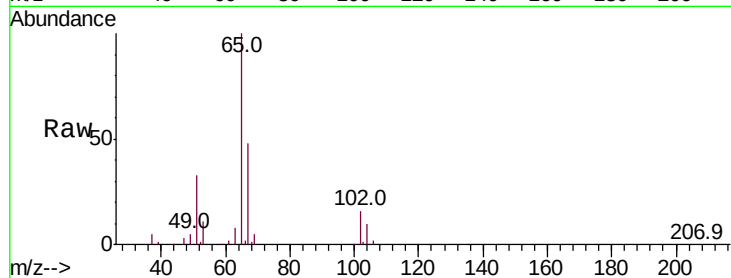
Lab File: VN064394.D

Acq: 30 Oct 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 65 Resp: 162382

Ion	Ratio	Lower	Upper
65	100		
67	47.9	0.0	99.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

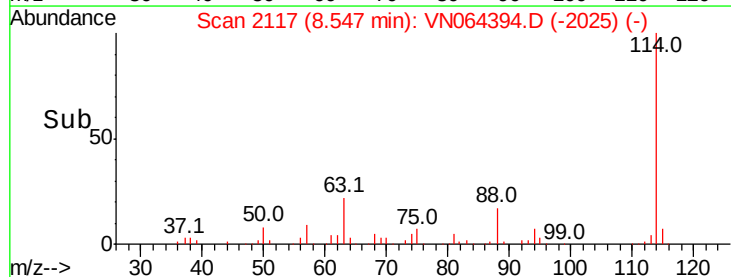
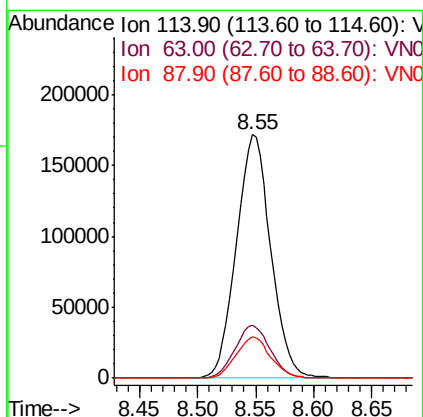
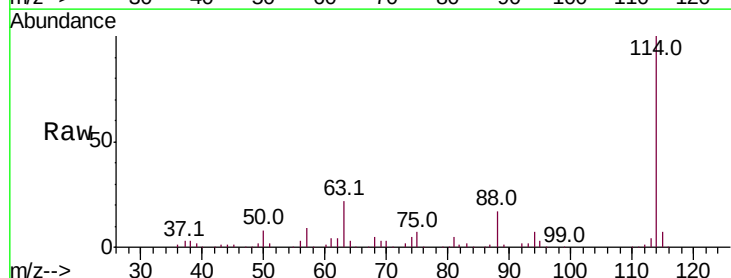
Delta R.T. -0.00 min

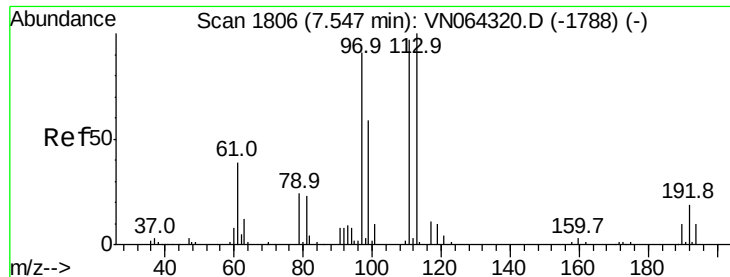
Lab File: VN064394.D

Acq: 30 Oct 2020 12:49

Tgt Ion: 114 Resp: 353373

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	44.6
88	16.8	0.0	33.4

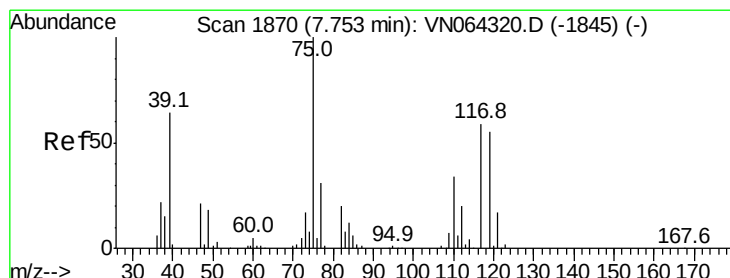
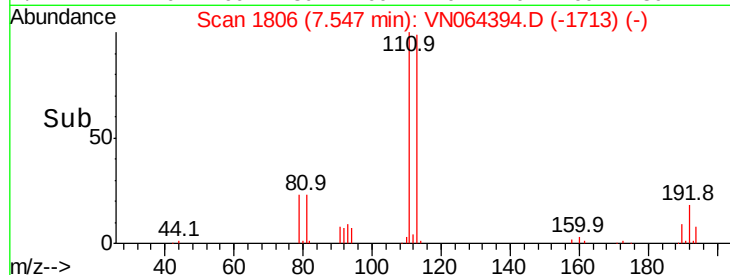
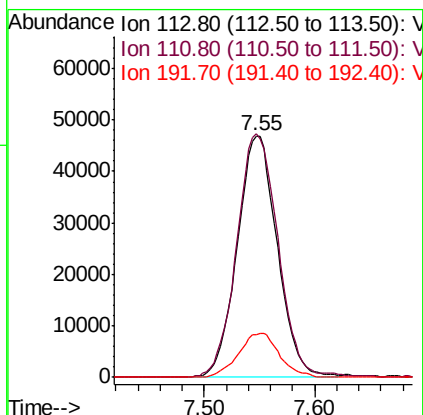
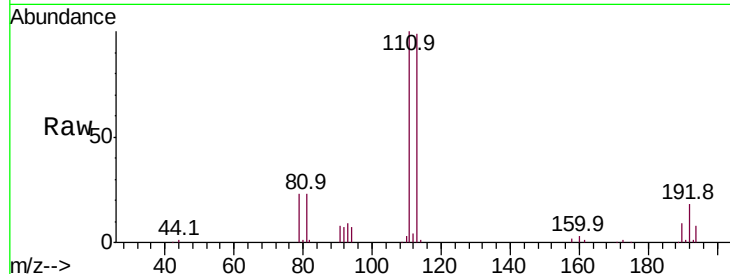




#35
 Dibromofluoromethane
 Concen: 50.068 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN064394.D
 Acq: 30 Oct 2020 12:49

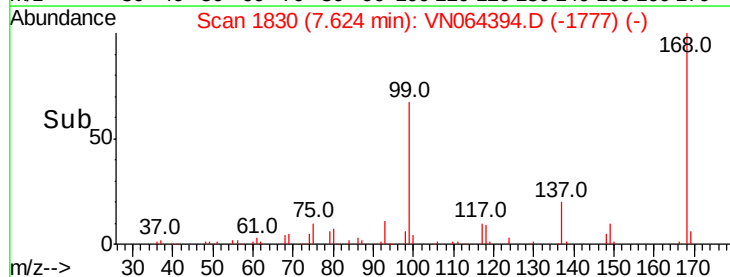
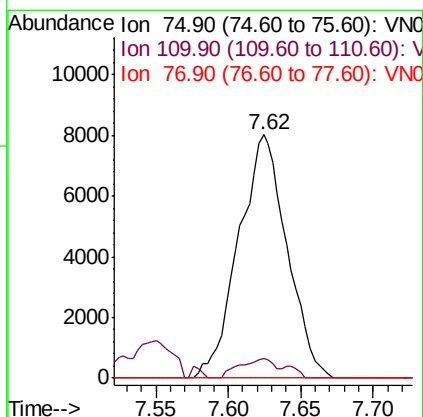
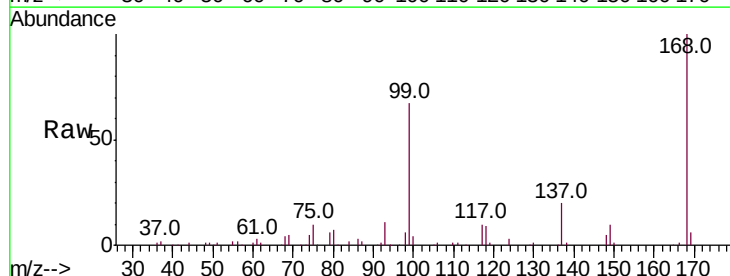
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

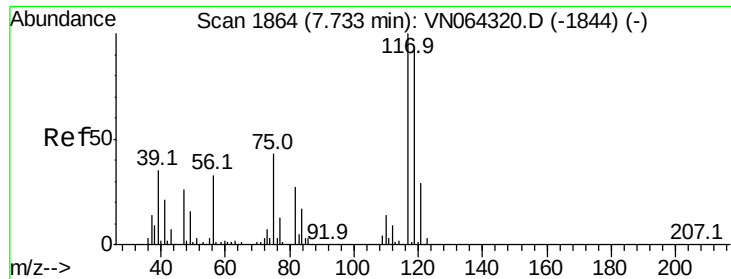
Tot Ion:113 Resp: 117987
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.5 122.3
 192 18.6 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 5.203 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064394.D
 Acq: 30 Oct 2020 12:49

Tgt Ion: 75 Resp: 18555
 Ion Ratio Lower Upper
 75 100
 110 6.0 16.8 50.3#
 77 0.0 24.2 36.4#

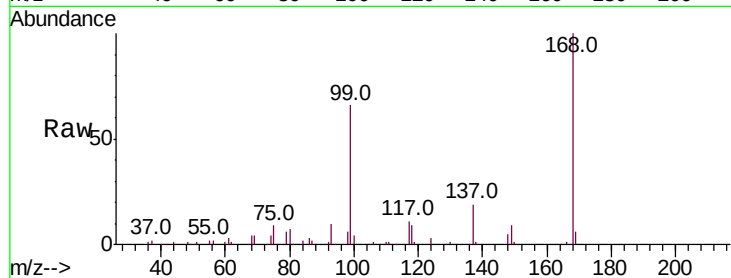




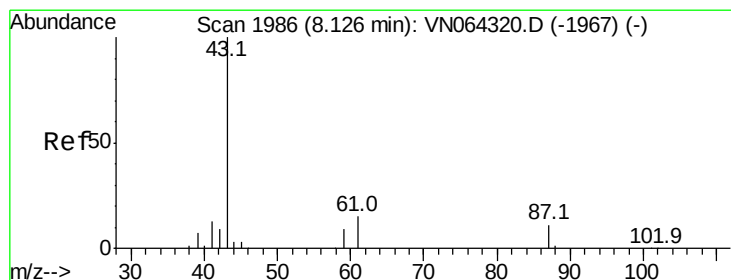
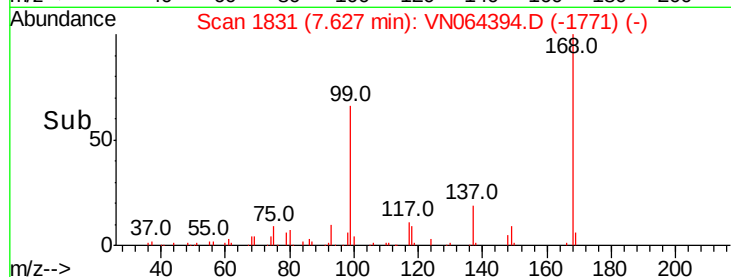
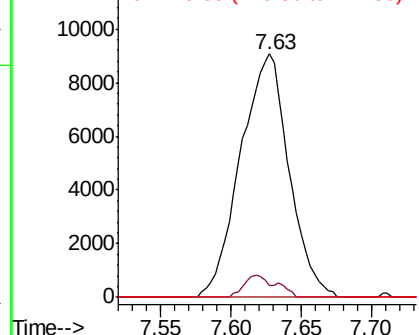
#38
Carbon Tetrachloride
Concen: 5.273 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064394.D
Acq: 30 Oct 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tot Ion:117 Resp: 21803
Ion Ratio Lower Upper
117 100
119 5.1 73.7 110.5#
121 0.0 22.8 34.2#

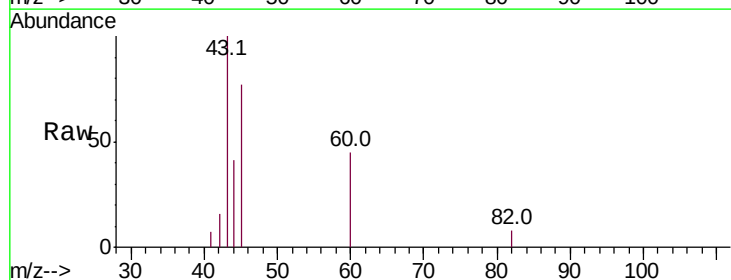


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

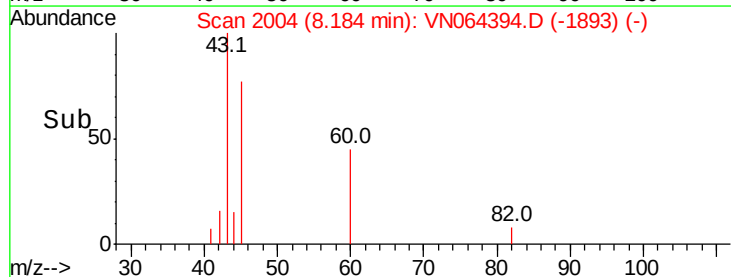
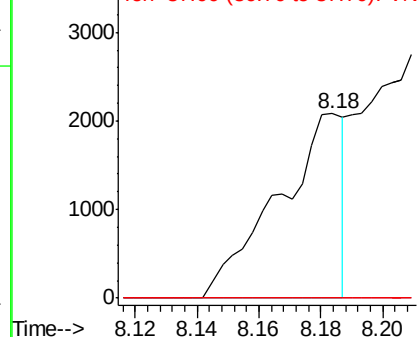


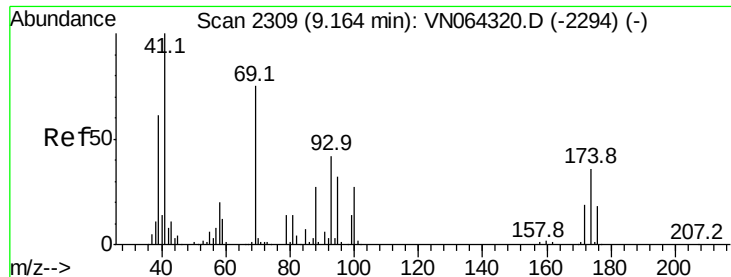
#43
Isopropyl Acetate
Concen: 0.502 ug/l
RT: 8.18 min Scan# 2004
Delta R.T. 0.06 min
Lab File: VN064394.D
Acq: 30 Oct 2020 12:49

Tgt Ion: 43 Resp: 3091
Ion Ratio Lower Upper
43 100
61 0.0 19.1 28.7#
87 0.0 9.3 13.9#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#49

1,4-Dioxane

Concen: 0.662 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. 0.01 min

Lab File: VN064394.D

Acq: 30 Oct 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

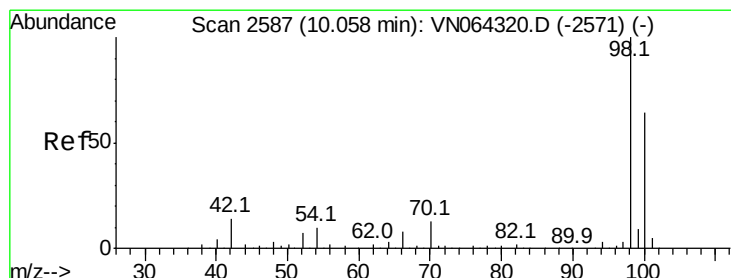
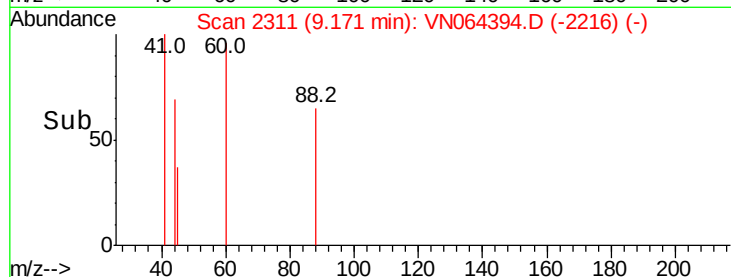
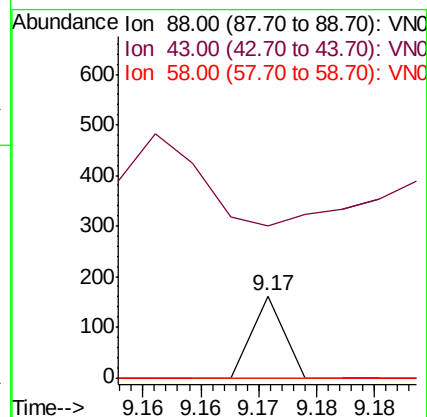
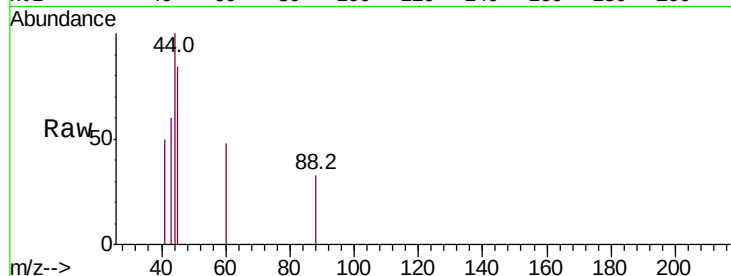
Tot Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 364.5 31.8 47.8#

58 0.0 60.3 90.5#



#50

Toluene-d8

Concen: 50.358 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064394.D

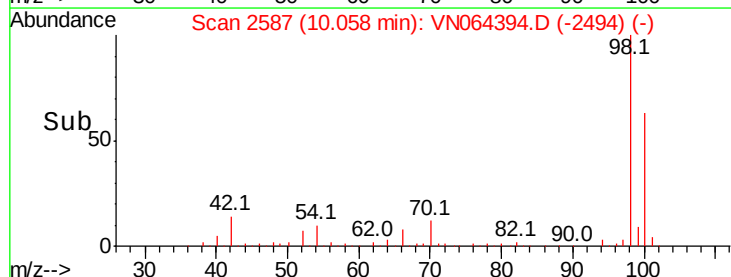
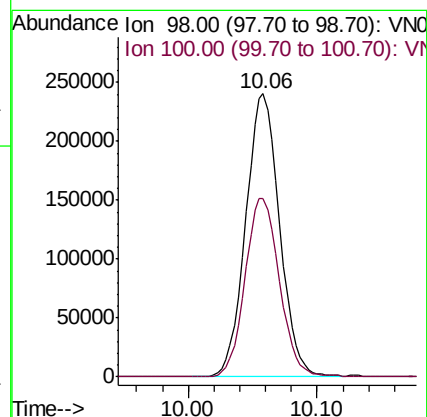
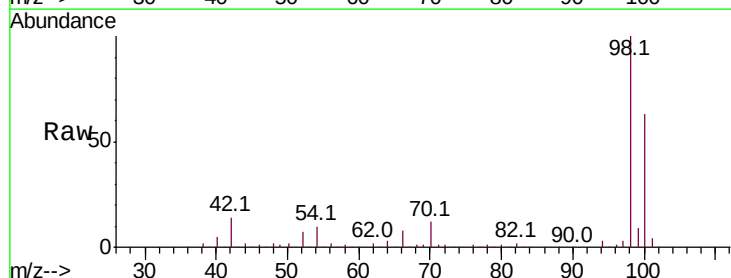
Acq: 30 Oct 2020 12:49

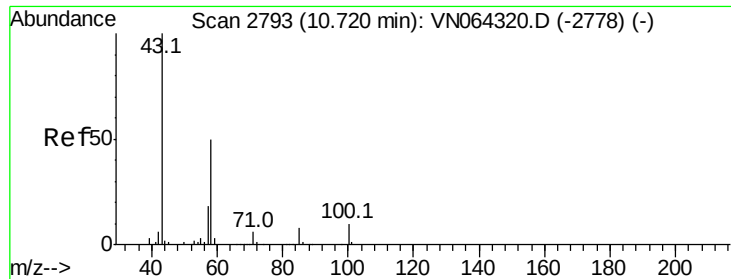
Tgt Ion: 98 Resp: 438955

Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3

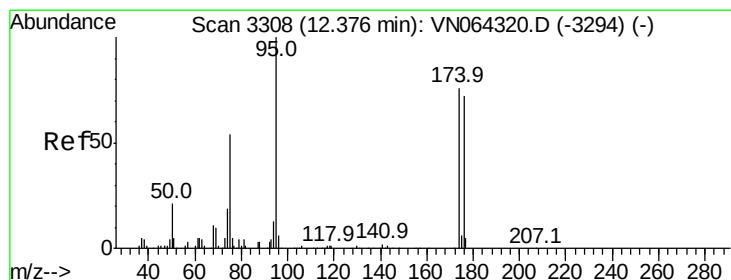
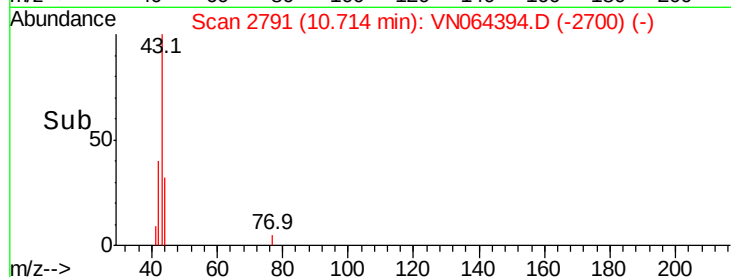
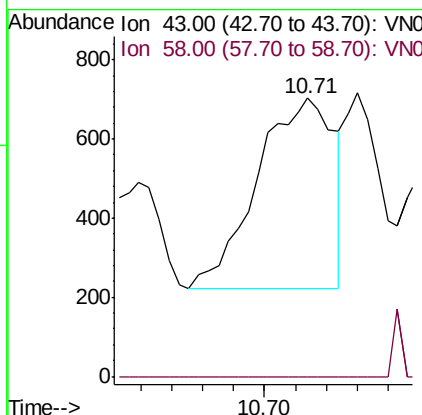
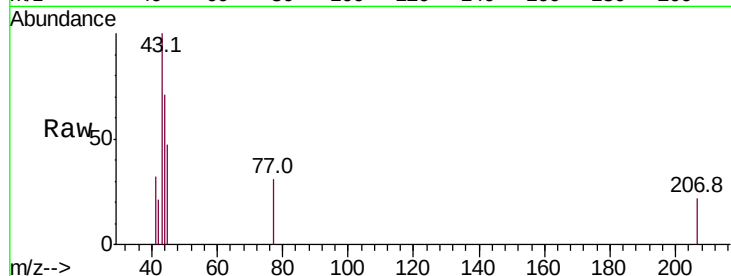




#59
2-Hexanone
Concen: 0.314 ug/l
RT: 10.71 min Scan# 2791
Delta R.T. -0.01 min
Lab File: VN064394.D
Acq: 30 Oct 2020 12:49

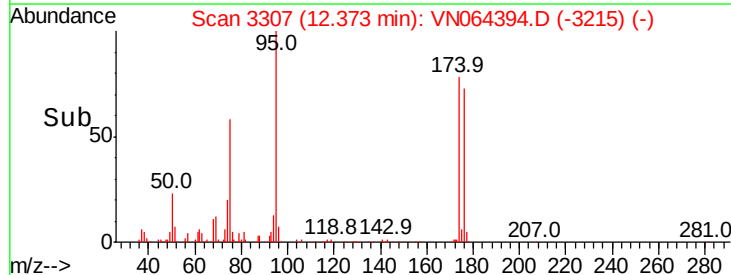
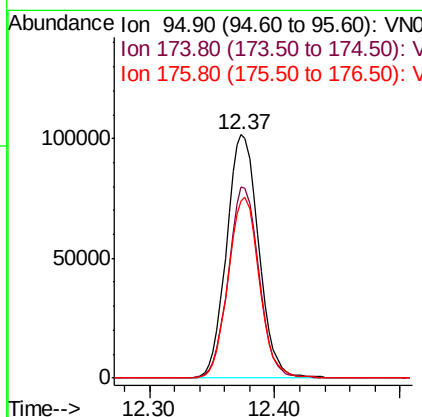
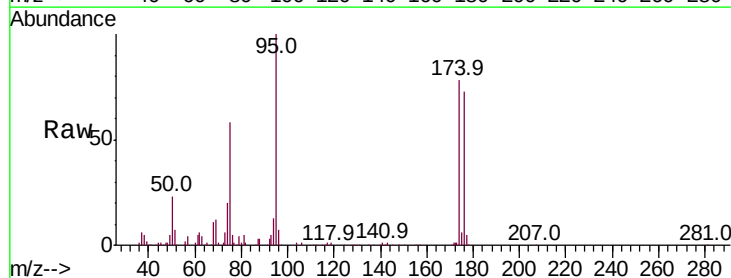
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

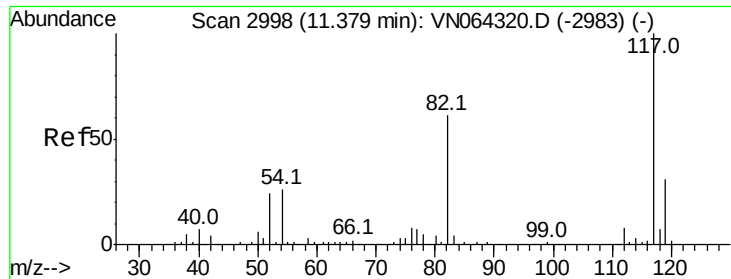
Tot Ion: 43 Resp: 829
Ion Ratio Lower Upper
43 100
58 0.0 25.0 75.0#



#62
4-Bromofluorobenzene
Concen: 53.119 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064394.D
Acq: 30 Oct 2020 12:49

Tgt Ion: 95 Resp: 180529
Ion Ratio Lower Upper
95 100
174 75.2 0.0 147.4
176 72.4 0.0 143.6

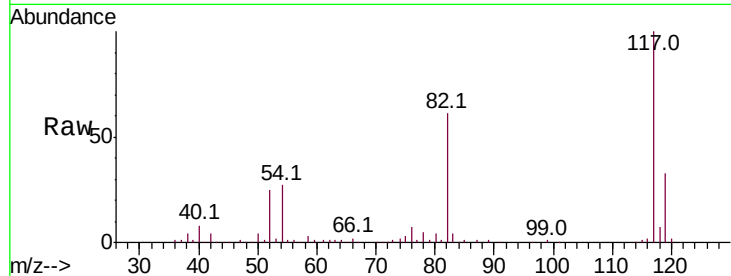




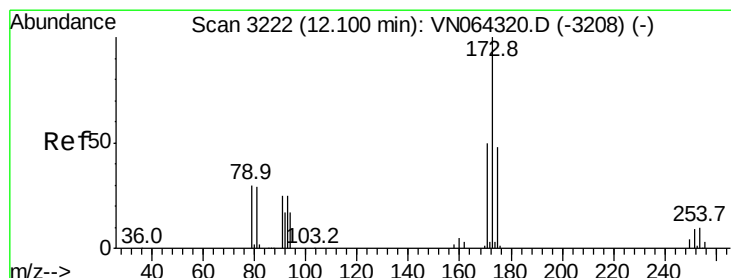
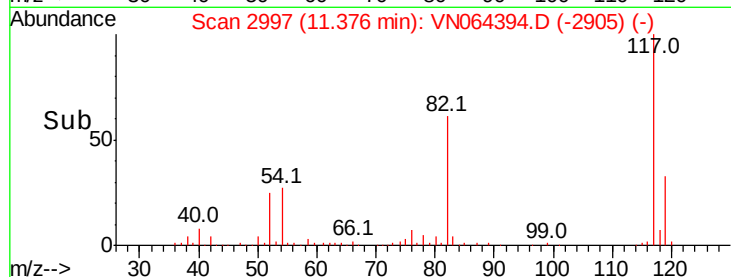
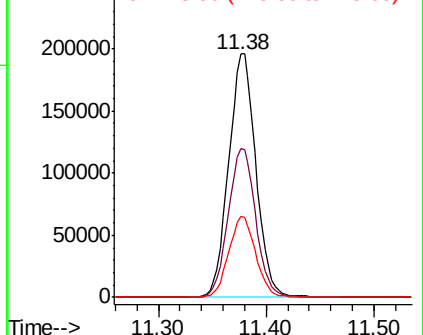
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064394.D
Acq: 30 Oct 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tot Ion:117 Resp: 345838
Ion Ratio Lower Upper
117 100
82 61.0 48.8 73.2
119 33.2 25.1 37.7

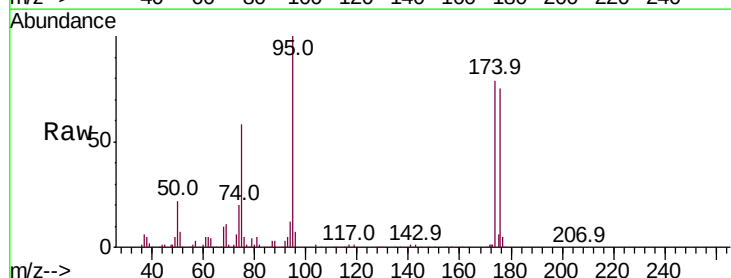


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

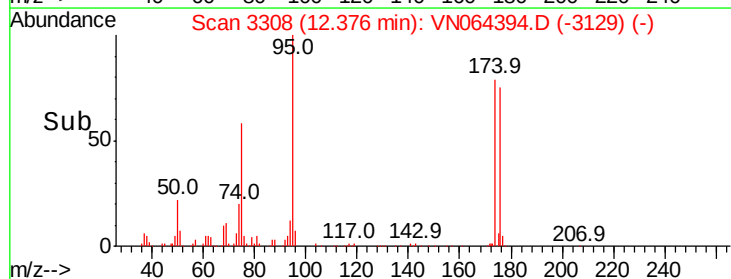
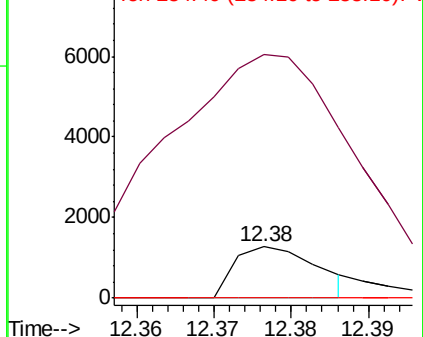


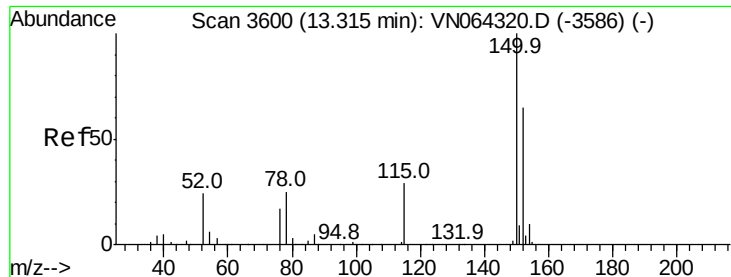
#71
Bromoform
Concen: 0.427 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN064394.D
Acq: 30 Oct 2020 12:49

Tgt Ion:173 Resp: 950
Ion Ratio Lower Upper
173 100
175 972.4 25.4 76.0#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN064394.D

Acq: 30 Oct 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

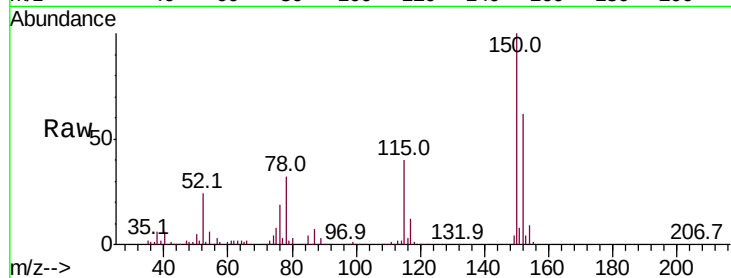
Tot Ion:152 Resp: 140894

Ion Ratio Lower Upper

152 100

115 65.3 31.5 94.5

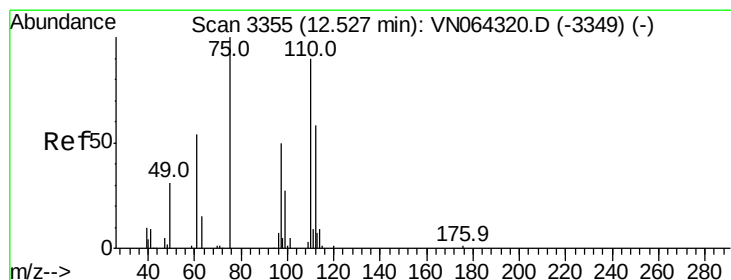
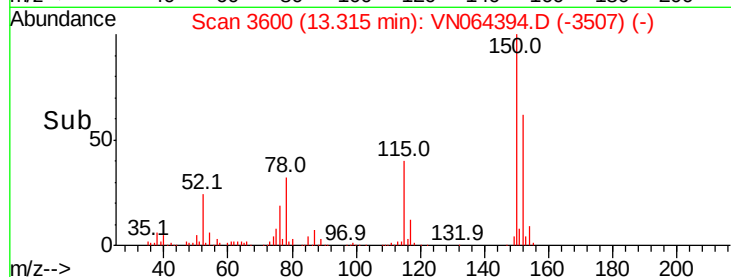
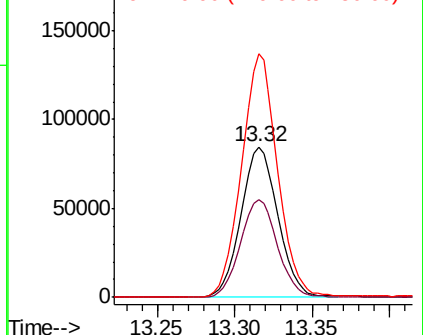
150 158.0 0.0 346.2



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: 30.341 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064394.D

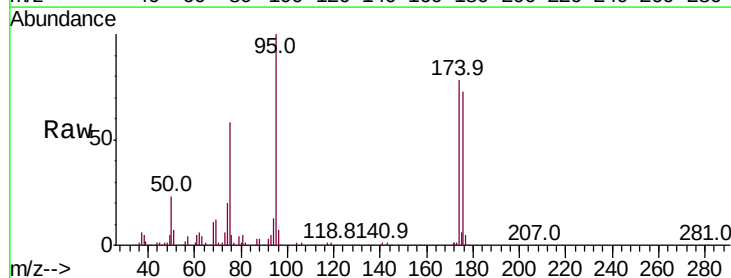
Acq: 30 Oct 2020 12:49

Tgt Ion: 75 Resp: 102373

Ion Ratio Lower Upper

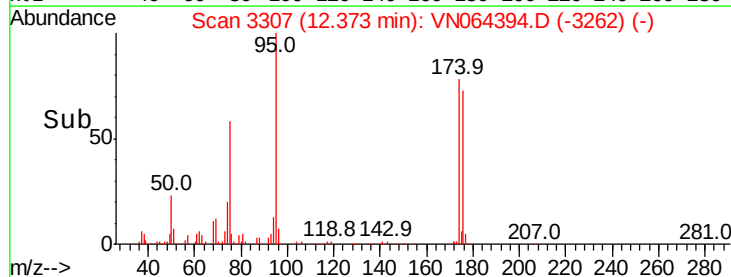
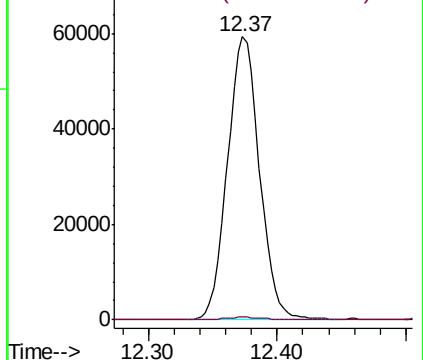
75 100

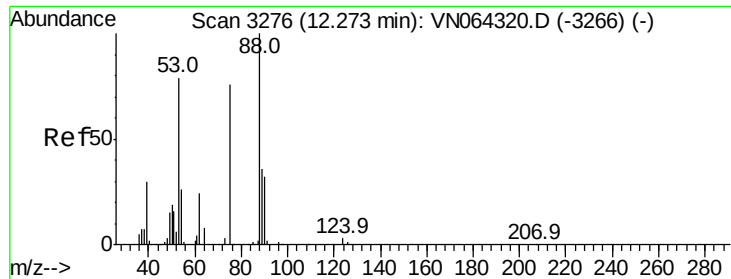
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

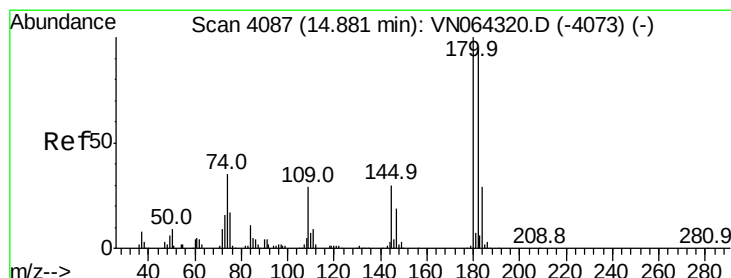
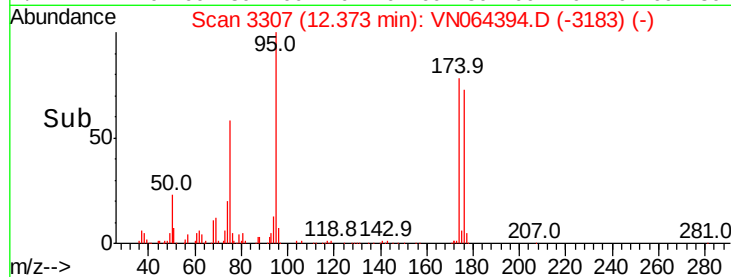
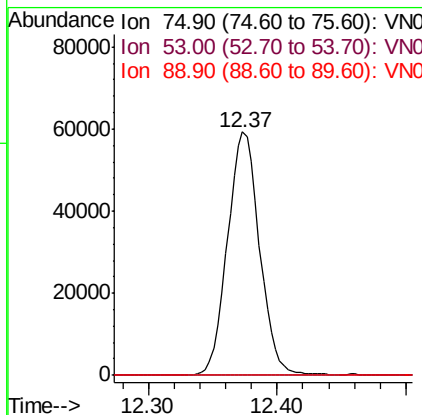
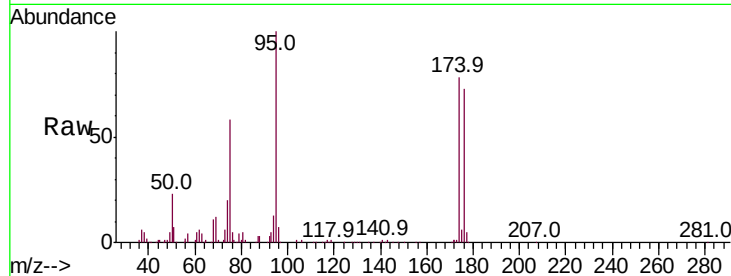




#81
trans-1,4-Dichloro-2-butene
Concen: 87.399 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN064394.D
Acq: 30 Oct 2020 12:49

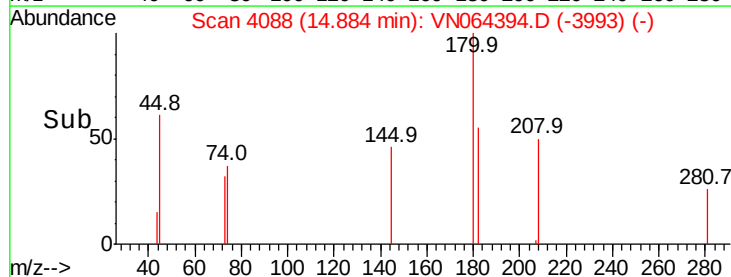
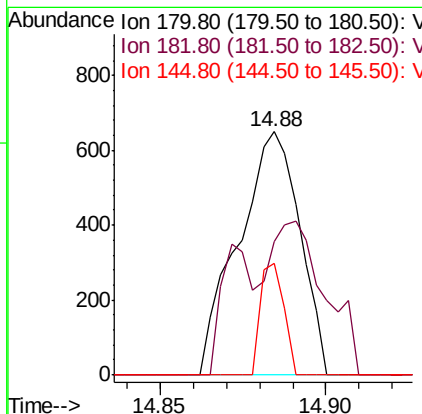
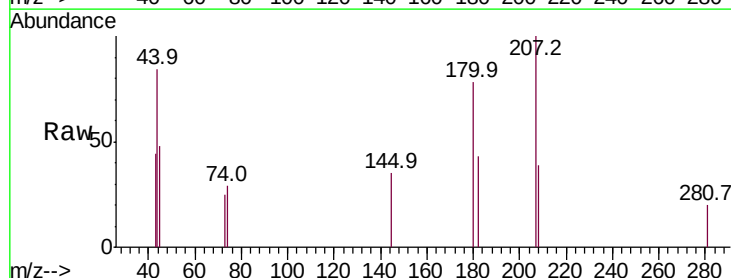
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

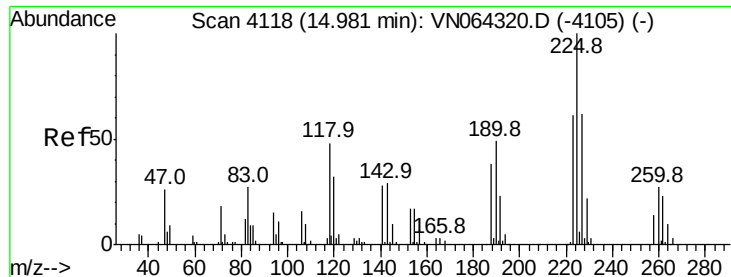
Tot Ion: 75 Resp: 102373
Ion Ratio Lower Upper
75 100
53 0.0 81.8 122.8#
89 0.0 39.9 59.9#



#93
1,2,4-Trichlorobenzene
Concen: 2.329 ug/l
RT: 14.88 min Scan# 4088
Delta R.T. 0.00 min
Lab File: VN064394.D
Acq: 30 Oct 2020 12:49

Tgt Ion: 180 Resp: 839
Ion Ratio Lower Upper
180 100
182 59.5 46.6 139.7
145 17.4 15.3 45.9





#94

Hexachlorobutadiene

Concen: 0.492 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN064394.D

Acq: 30 Oct 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

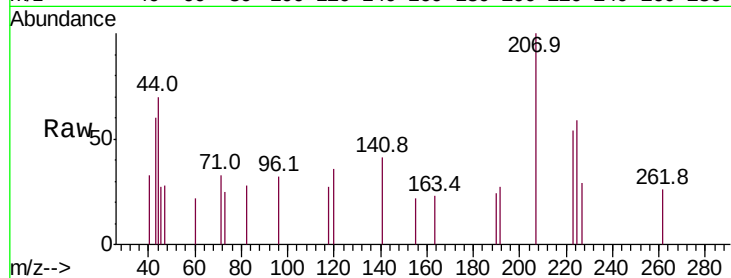
Tot Ion:225 Resp: 679

Ion Ratio Lower Upper

225 100

223 41.8 31.3 93.8

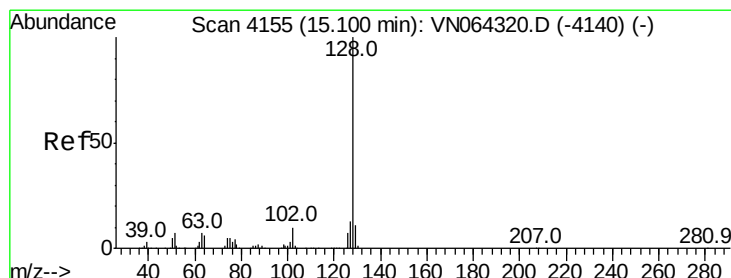
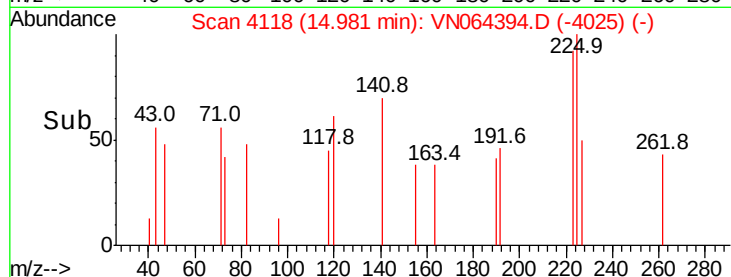
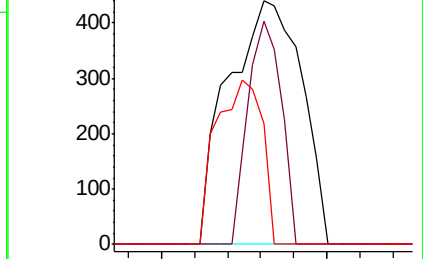
227 42.0 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.670 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN064394.D

Acq: 30 Oct 2020 12:49

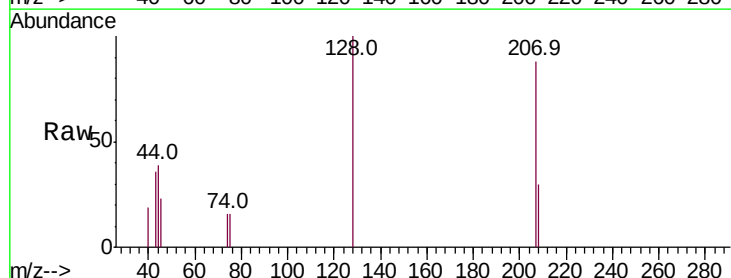
Tgt Ion:128 Resp: 2322

Ion Ratio Lower Upper

128 100

127 2.8 10.4 15.6#

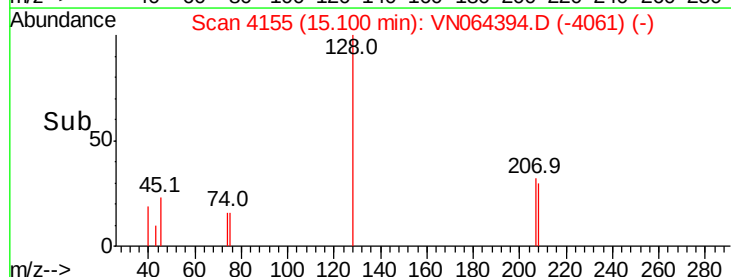
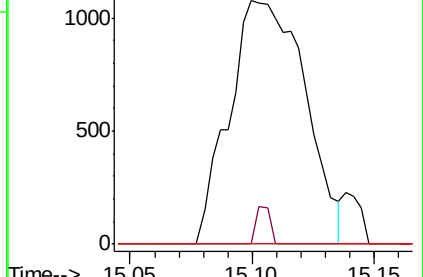
129 0.0 8.6 13.0#

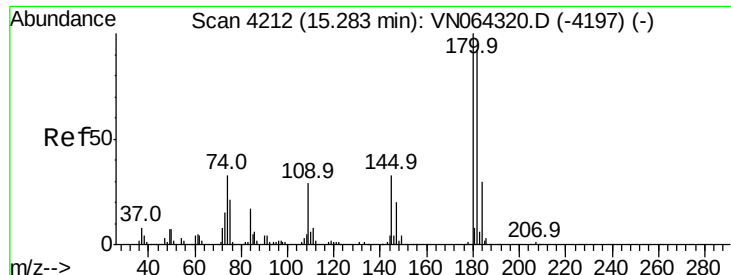


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.363 ug/l
 RT: 15.28 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN064394.D
 Acq: 30 Oct 2020 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Tot Ion:180 Resp: 472
 Ion Ratio Lower Upper
 180 100
 182 71.2 46.1 138.3
 145 0.0 16.2 48.5#

