

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062328.D
 Acq On : 2 Jul 2020 7:34
 Operator : JC/MD
 Sample : L3164-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW180-SOIL-590-594

Quant Time: Jul 02 08:29:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	192752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	412482	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	411993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	146758	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	162448	60.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	120.12%		
35) Dibromofluoromethane	7.55	113	128418	48.53	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.06%		
50) Toluene-d8	10.06	98	540062	51.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.12%		
62) 4-Bromofluorobenzene	12.38	95	172768	48.34	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.68%		

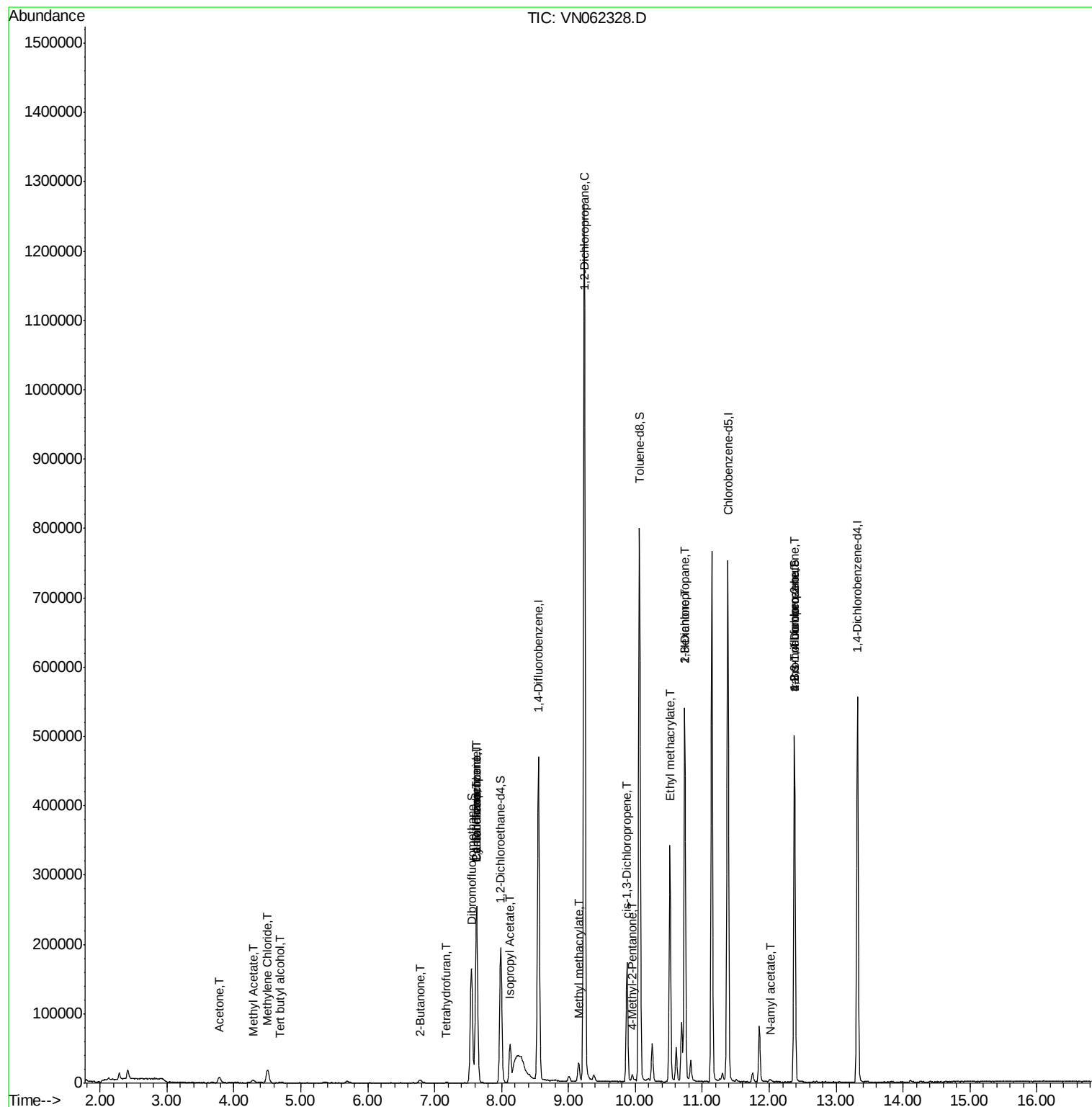
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	142	Below Cal	#	41
11) Tert butyl alcohol	4.70	59	588	1.514	ug/l #	72
16) Acetone	3.78	43	14538	13.287	ug/l	95
18) Methyl Acetate	4.29	43	6970	3.241	ug/l #	70
20) Methylene Chloride	4.50	84	14521	5.656	ug/l	99
25) 2-Butanone	6.80	43	2591	1.960	ug/l	98
29) Tetrahydrofuran	7.17	42	348	0.402	ug/l #	28
31) Cyclohexane	7.63	56	4918	1.316	ug/l #	15
36) 1,1-Dichloropropene	7.63	75	17858	4.307	ug/l #	48
38) Carbon Tetrachloride	7.63	117	20221	5.173	ug/l #	16
43) Isopropyl Acetate	8.13	43	64523	11.529	ug/l	98
45) 1,2-Dichloropropane	9.23	63	1628	0.522	ug/l #	43
48) Methyl methacrylate	9.15	41	3746	1.493	ug/l #	6
51) 4-Methyl-2-Pentanone	9.95	43	5780	1.768	ug/l	100
54) cis-1,3-Dichloropropene	9.87	75	31515	6.304	ug/l #	68
56) Ethyl methacrylate	10.52	69	1627	0.402	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	5357	1.027	ug/l #	42
59) 2-Hexanone	10.74	43	72848	30.853	ug/l #	49
74) N-amyl acetate	12.01	43	2929	3.997	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	89985	26.046	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	89985	76.065	ug/l #	13

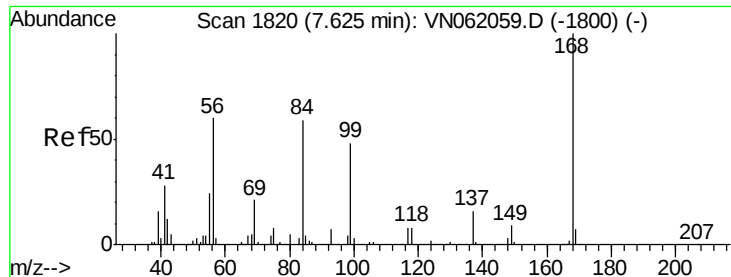
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062328.D

Acq: 2 Jul 2020 7:34

Instrument :

MSVOA_N

ClientSampleId :

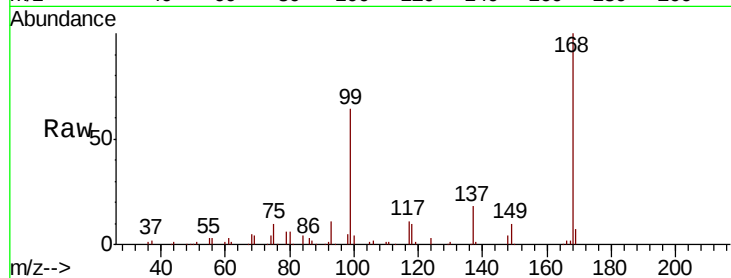
BP-MW180-SOIL-590-594

Tot Ion:168 Resp: 192752

Ion Ratio Lower Upper

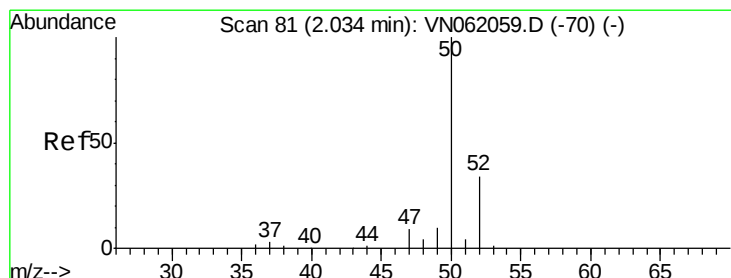
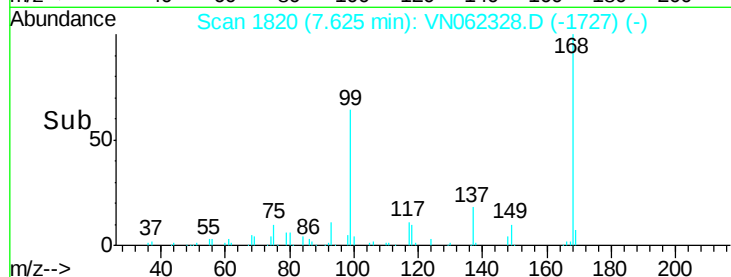
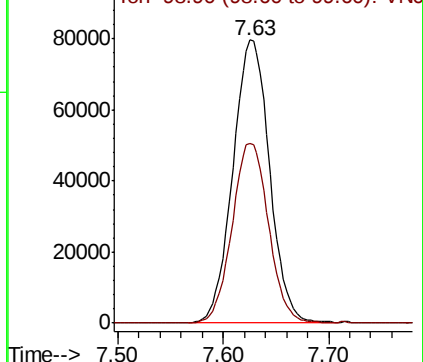
168 100

99 63.7 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062328.D

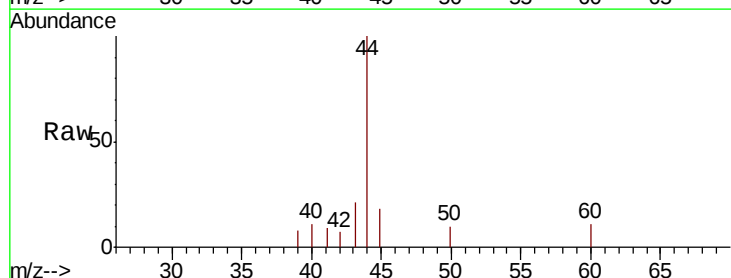
Acq: 2 Jul 2020 7:34

Tgt Ion: 50 Resp: 142

Ion Ratio Lower Upper

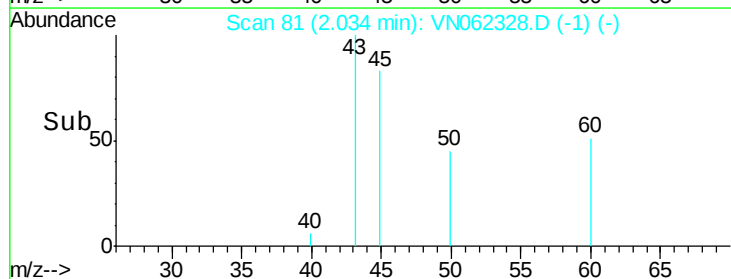
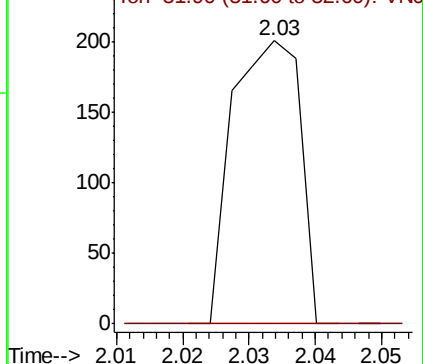
50 100

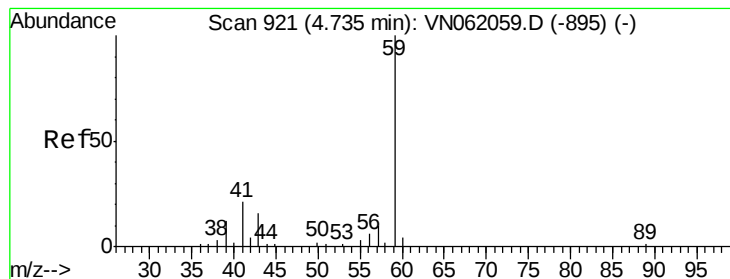
52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



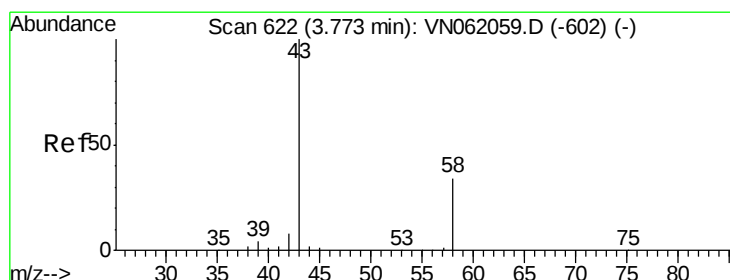
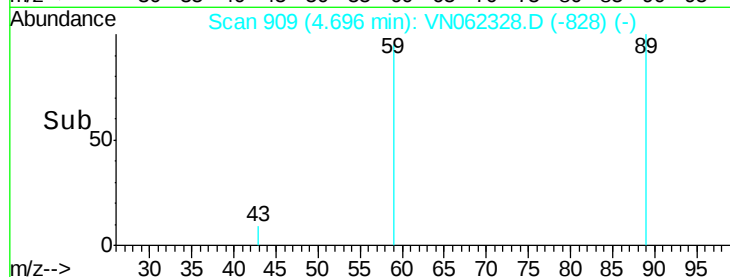
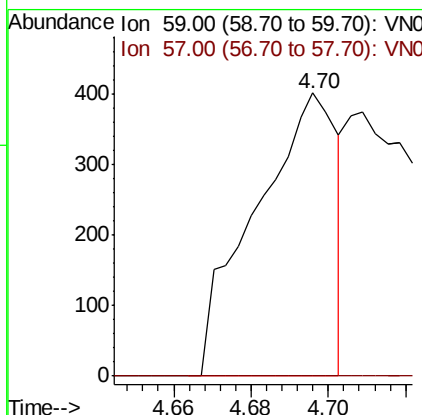
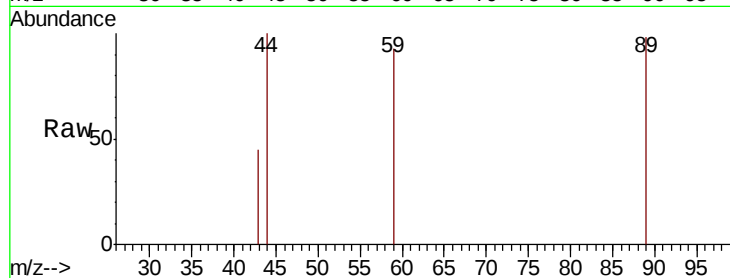


#11

Tert butyl alcohol
 Concen: 1.514 ug/l
 RT: 4.70 min Scan# 909
 Delta R.T. -0.04 min
 Lab File: VN062328.D
 Acq: 2 Jul 2020 7:34

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW180-SOIL-590-594

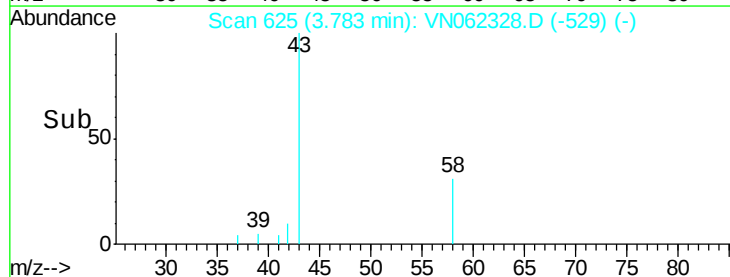
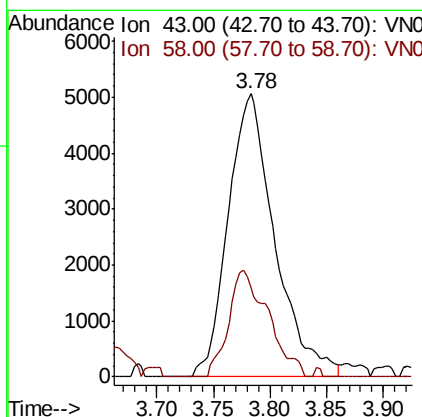
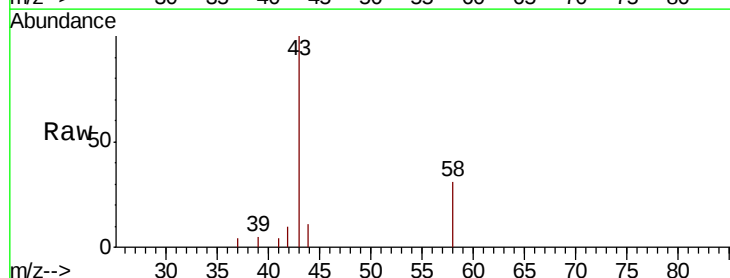
Tot Ion: 59 Resp: 588
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

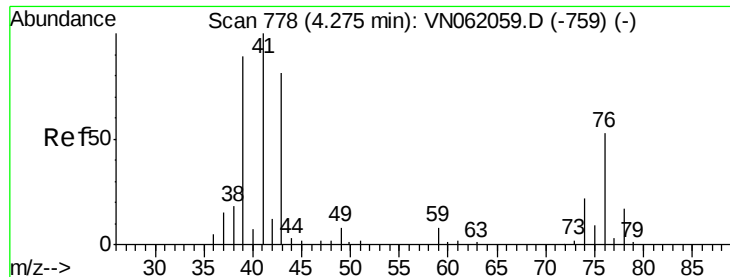


#16

Acetone
 Concen: 13.287 ug/l
 RT: 3.78 min Scan# 625
 Delta R.T. 0.01 min
 Lab File: VN062328.D
 Acq: 2 Jul 2020 7:34

Tgt Ion: 43 Resp: 14538
 Ion Ratio Lower Upper
 43 100
 58 31.3 27.5 41.3

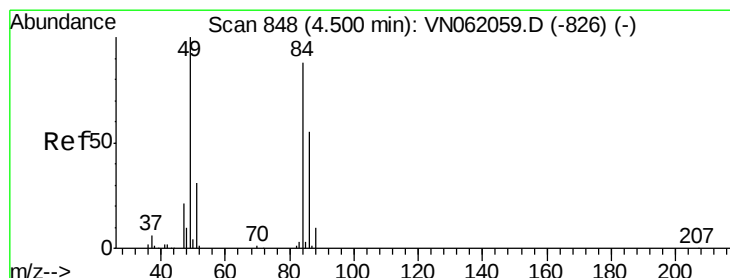
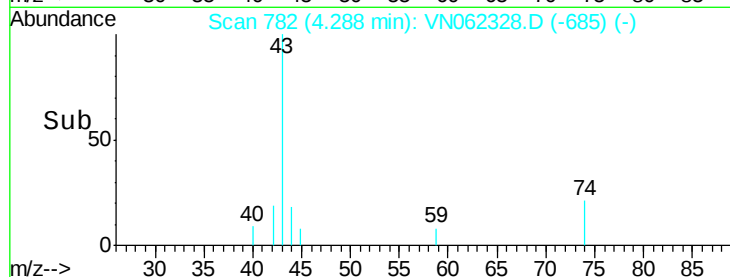
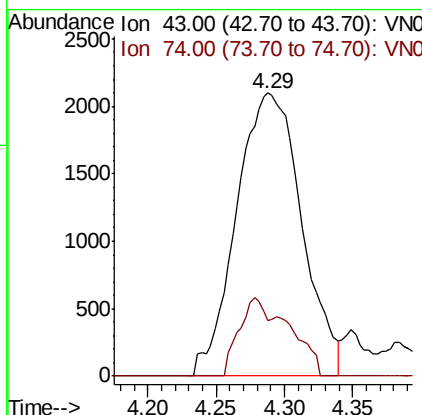
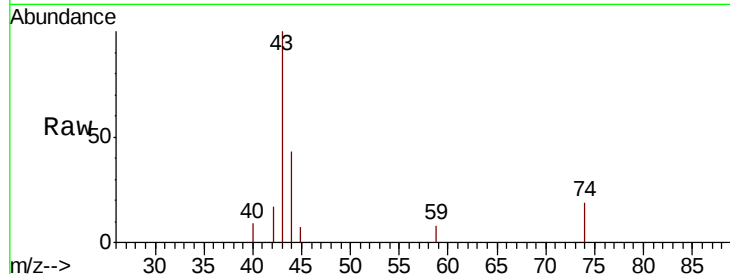




#18
Methyl Acetate
Concen: 3.241 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN062328.D
Acq: 2 Jul 2020 7:34

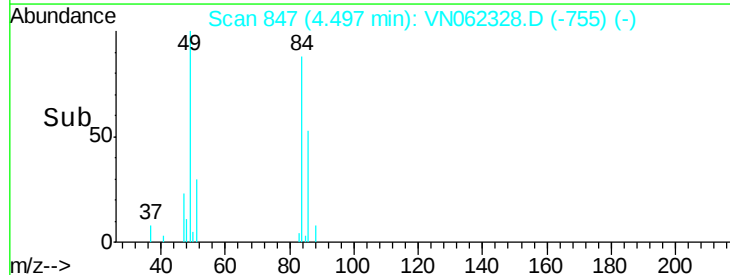
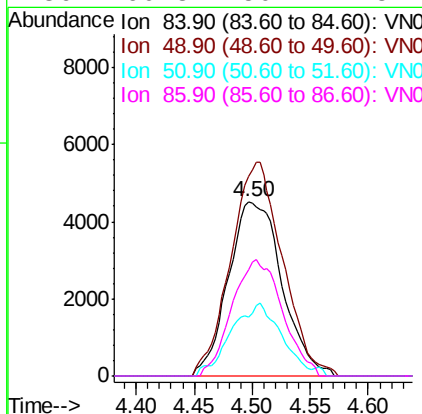
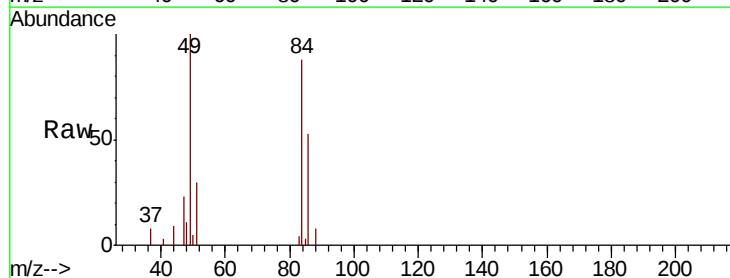
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-590-594

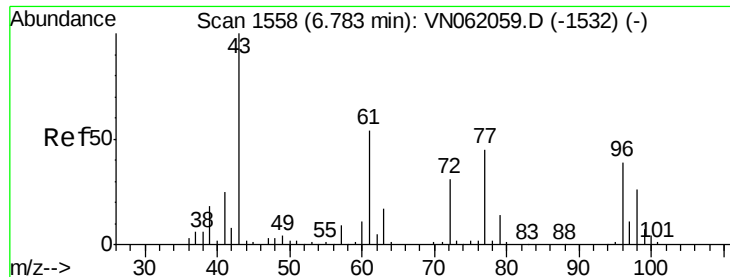
Tot Ion: 43 Resp: 6970
Ion Ratio Lower Upper
43 100
74 12.6 22.9 34.3#



#20
Methylene Chloride
Concen: 5.656 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN062328.D
Acq: 2 Jul 2020 7:34

Tgt Ion: 84 Resp: 14521
Ion Ratio Lower Upper
84 100
49 114.0 90.6 136.0
51 33.8 27.8 41.8
86 60.8 50.1 75.1





#25

2-Butanone

Concen: 1.960 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.02 min

Lab File: VN062328.D

Acq: 2 Jul 2020 7:34

Instrument :

MSVOA_N

ClientSampleId :

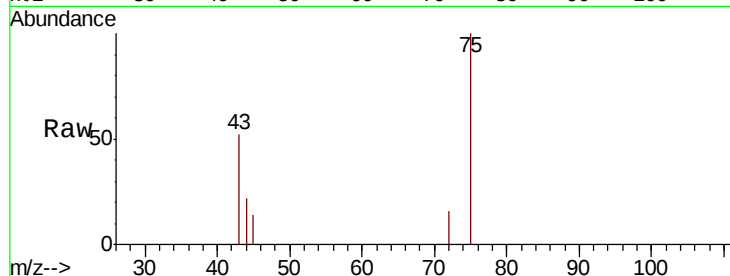
BP-MW180-SOIL-590-594

Tot Ion: 43 Resp: 2591

Ion Ratio Lower Upper

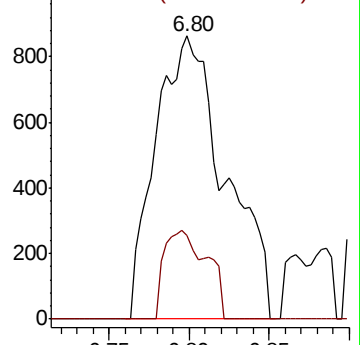
43 100

72 29.7 24.8 37.2

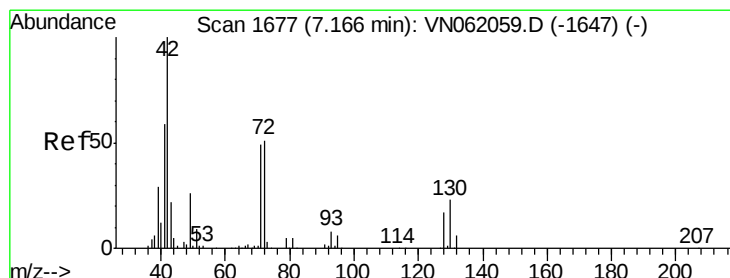
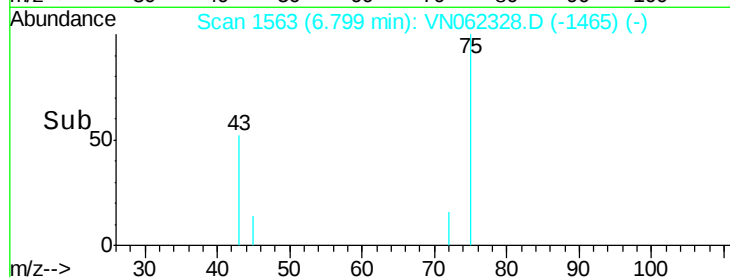


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 72.00 (71.70 to 72.70): VNO



Time-->



#29

Tetrahydrofuran

Concen: 0.402 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN062328.D

Acq: 2 Jul 2020 7:34

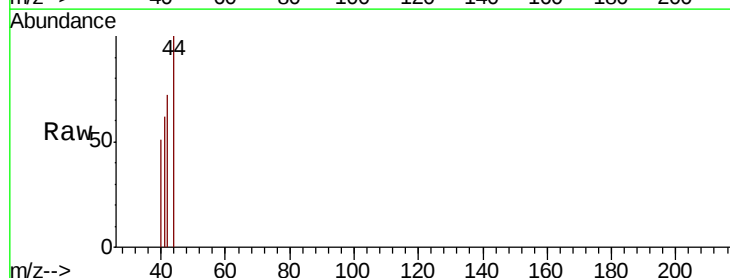
Tgt Ion: 42 Resp: 348

Ion Ratio Lower Upper

42 100

72 0.0 41.1 61.7#

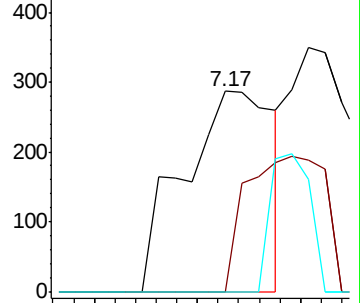
71 0.0 38.2 57.4#



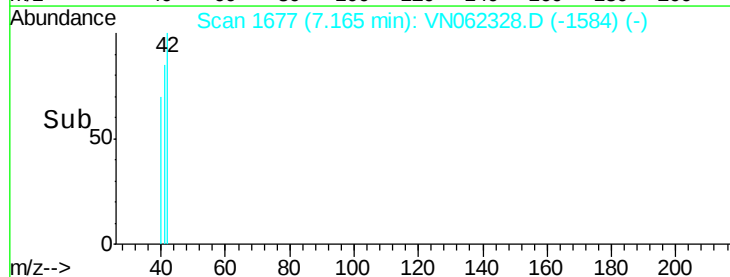
Abundance Ion 42.00 (41.70 to 42.70): VNO

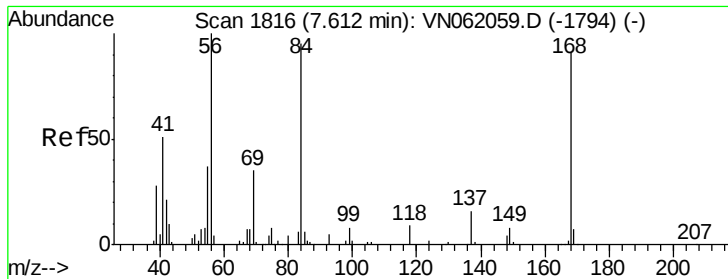
Ion 72.00 (71.70 to 72.70): VNO

Ion 71.00 (70.70 to 71.70): VNO



Time-->

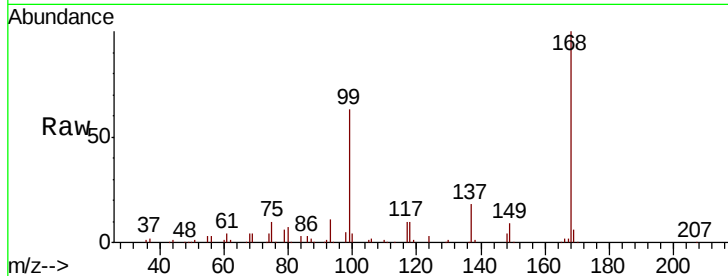




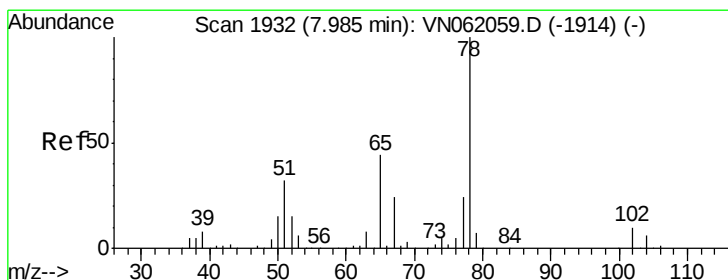
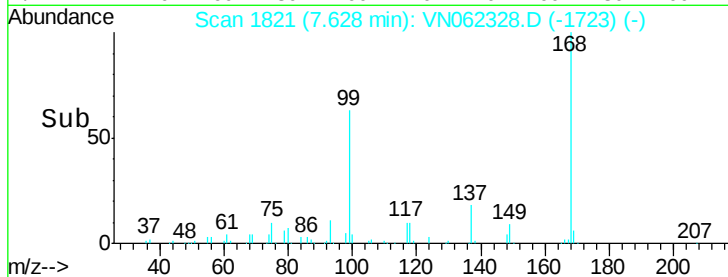
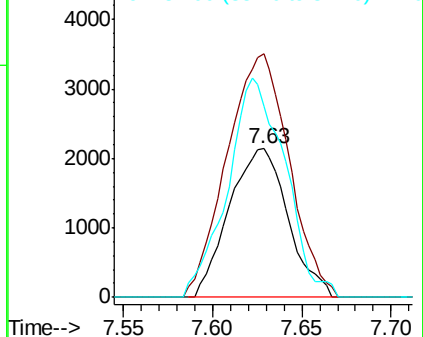
#31
Cvclohexane
Concen: 1.316 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062328.D
Acq: 2 Jul 2020 7:34

Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-590-594

Tot Ion: 56 Resp: 4918
Ion Ratio Lower Upper
56 100
69 163.8 28.0 42.0#
84 128.6 76.1 114.1#

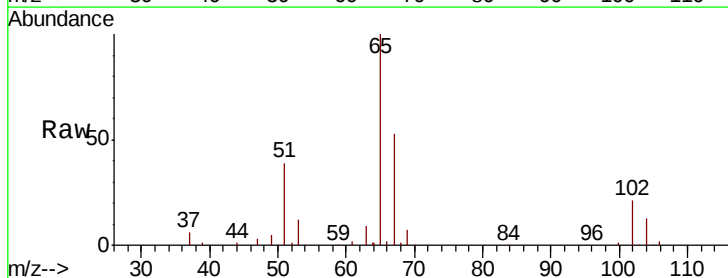


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

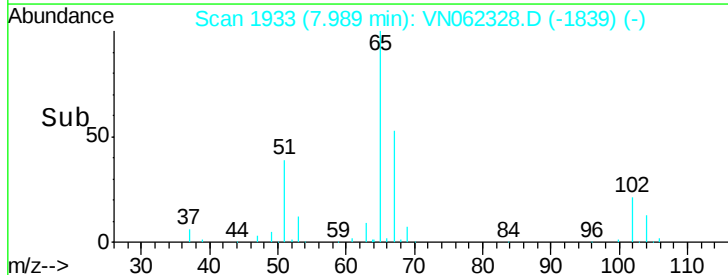
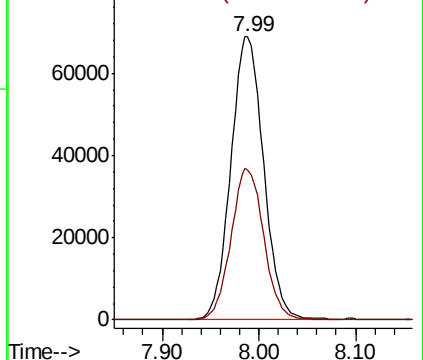


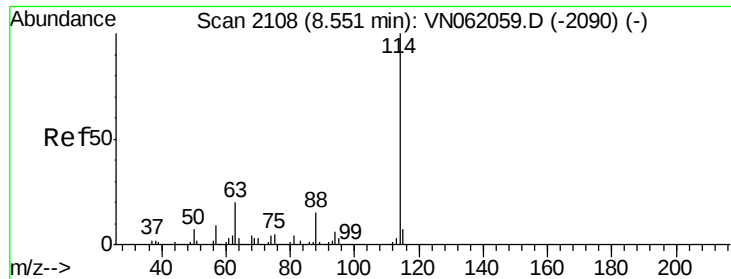
#33
1,2-Dichloroethane-d4
Concen: 60.056 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062328.D
Acq: 2 Jul 2020 7:34

Tgt Ion: 65 Resp: 162448
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

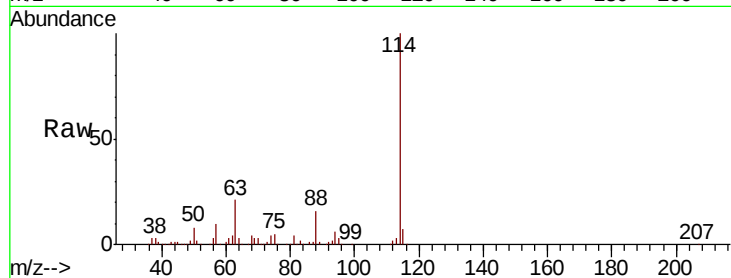




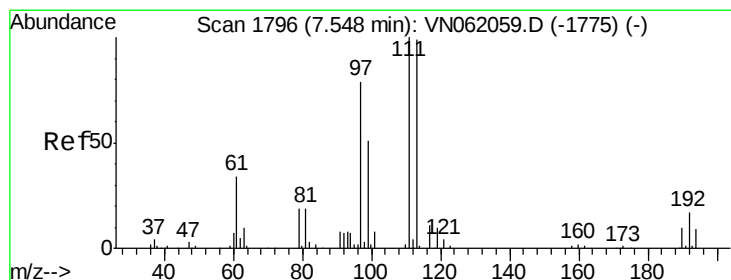
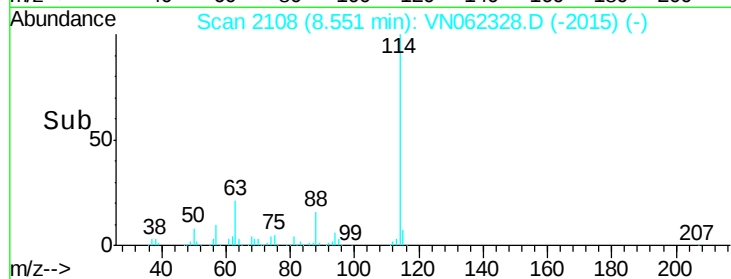
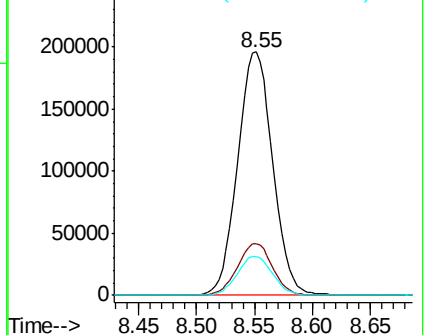
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062328.D
 Acq: 2 Jul 2020 7:34

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW180-SOIL-590-594

Tot Ion:114 Resp: 412482
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 39.2
 88 16.1 0.0 30.8

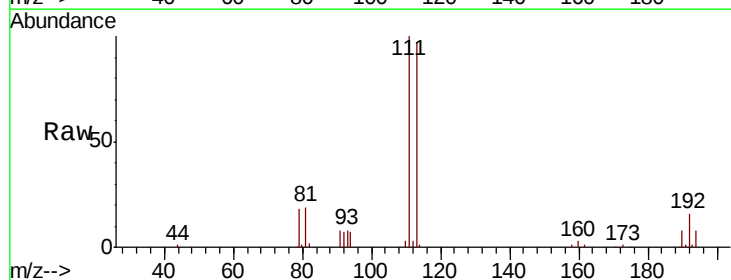


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

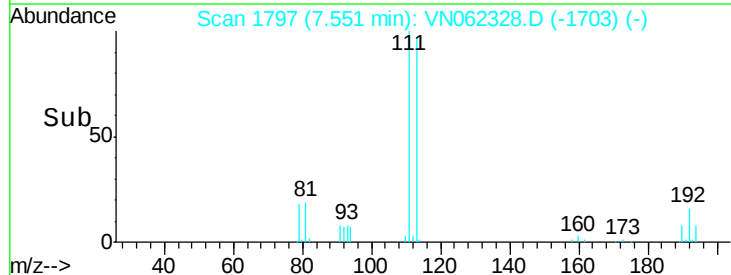
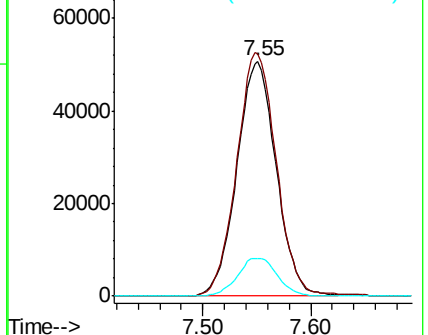


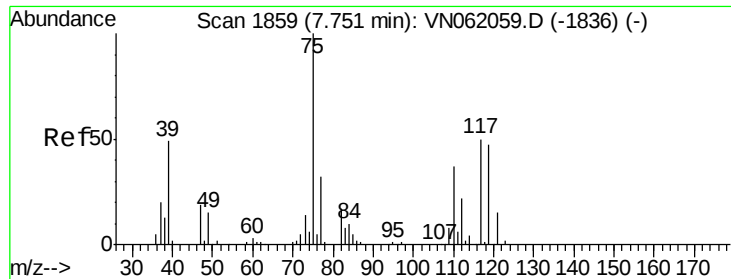
#35
 Dibromofluoromethane
 Concen: 48.528 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062328.D
 Acq: 2 Jul 2020 7:34

Tgt Ion:113 Resp: 128418
 Ion Ratio Lower Upper
 113 100
 111 104.8 82.2 123.4
 192 16.4 14.0 21.0



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

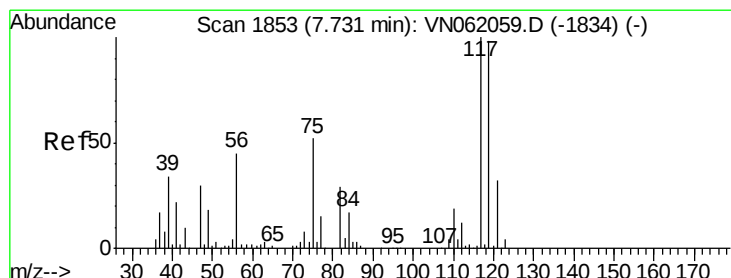
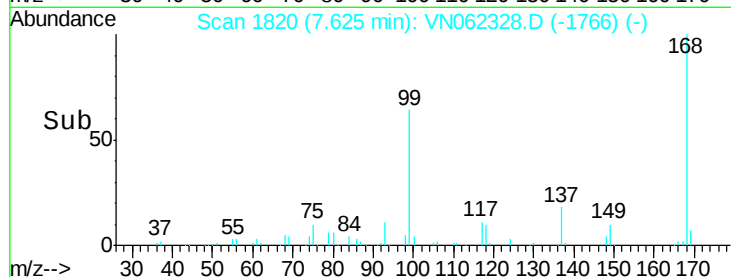
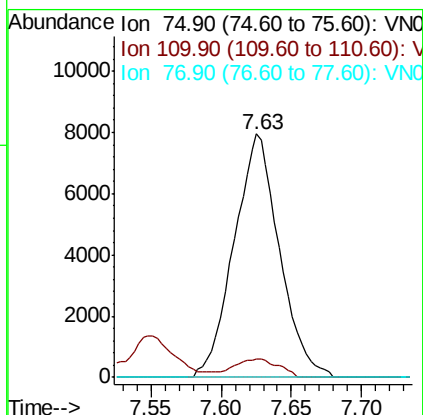
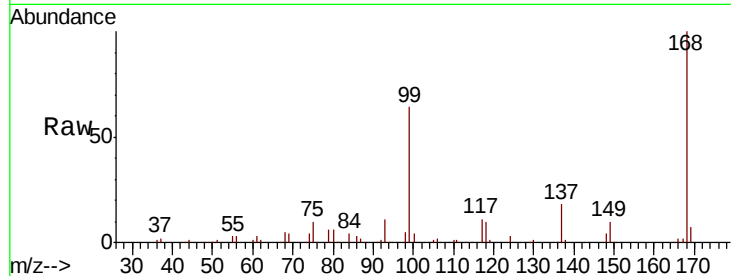




#36
 1,1-Dichloropropene
 Concen: 4.307 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062328.D
 Acq: 2 Jul 2020 7:34

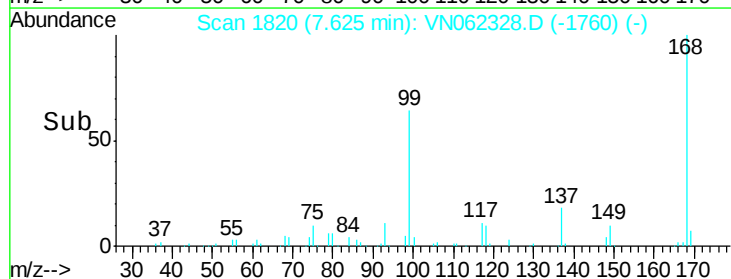
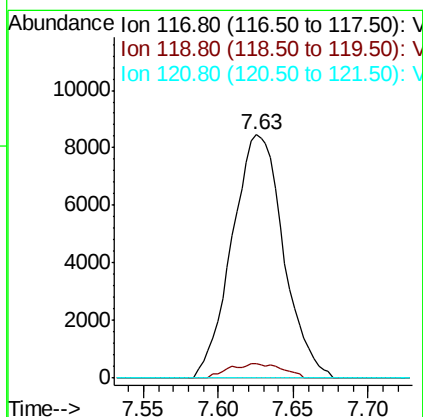
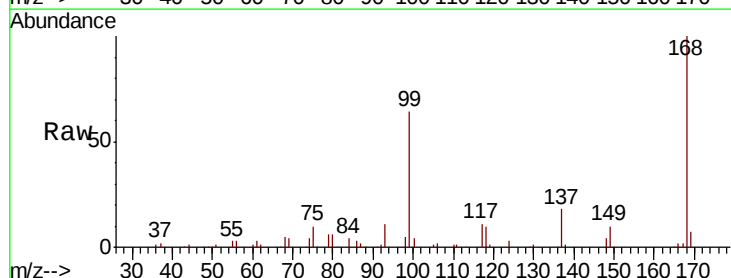
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW180-SOIL-590-594

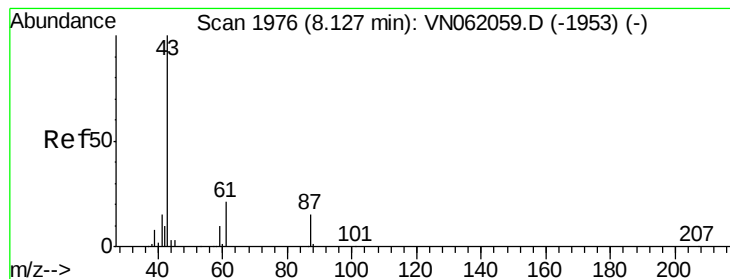
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.5	17.9	53.8#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.173 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062328.D
 Acq: 2 Jul 2020 7:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	78.2	117.2#
121	0.0	25.8	38.6#





#43

Isopropyl Acetate

Concen: 11.529 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062328.D

Acq: 2 Jul 2020 7:34

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-SOIL-590-594

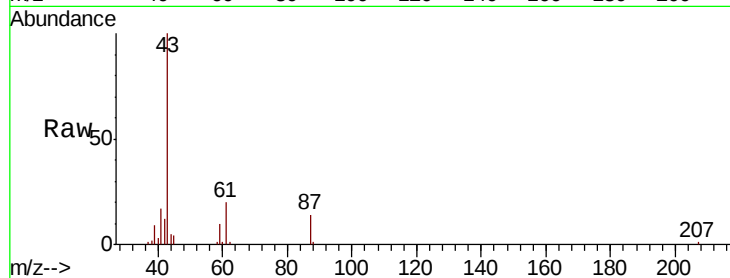
Tot Ion: 43 Resp: 64523

Ion Ratio Lower Upper

43 100

61 20.9 17.2 25.8

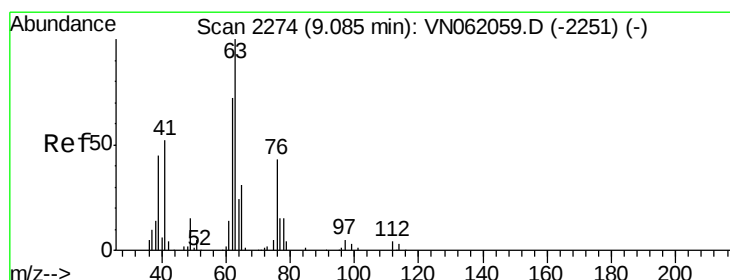
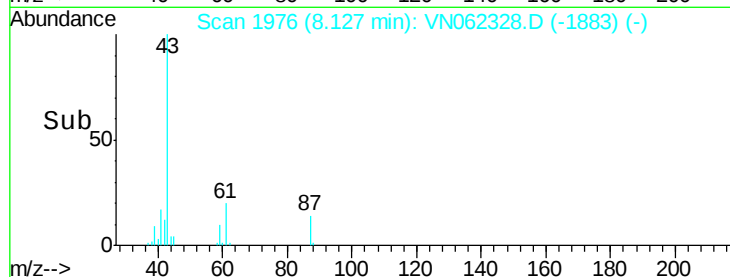
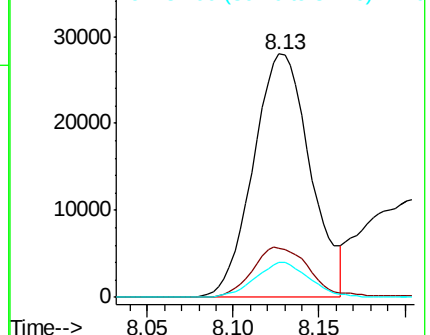
87 13.5 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VN062328.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062328.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062328.D (-1883) (-)



#45

1,2-Dichloropropane

Concen: 0.522 ug/l

RT: 9.23 min Scan# 2320

Delta R.T. 0.15 min

Lab File: VN062328.D

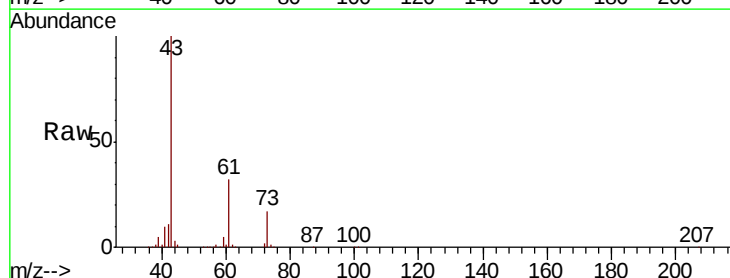
Acq: 2 Jul 2020 7:34

Tgt Ion: 63 Resp: 1628

Ion Ratio Lower Upper

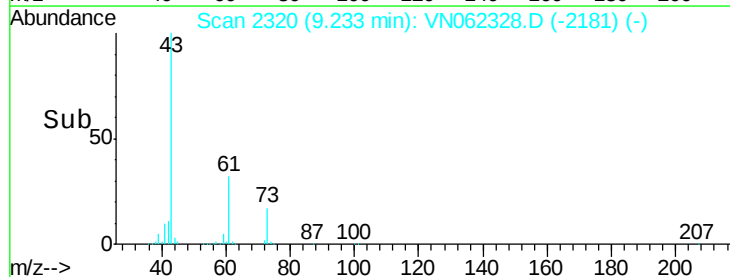
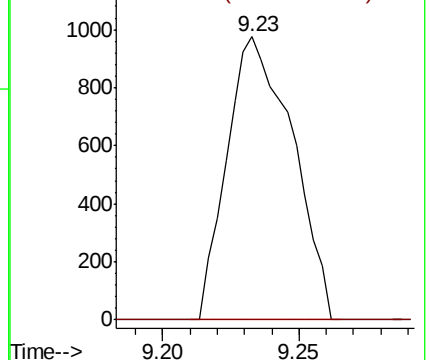
63 100

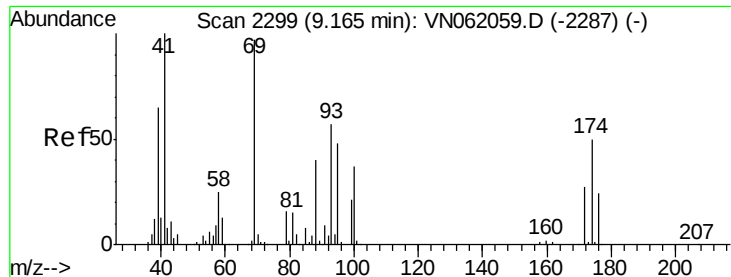
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN062328.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN062328.D (-2181) (-)

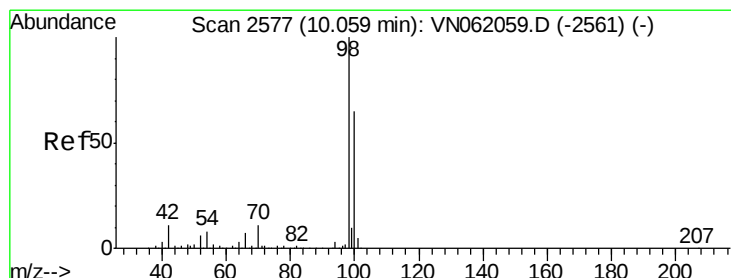
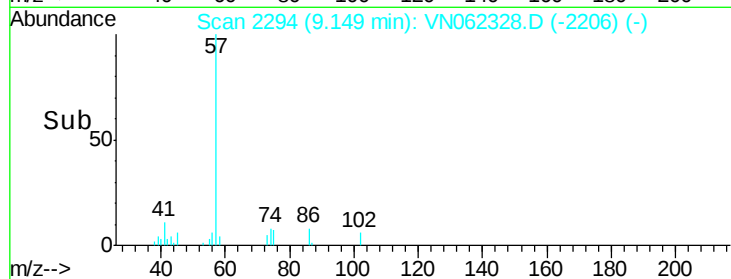
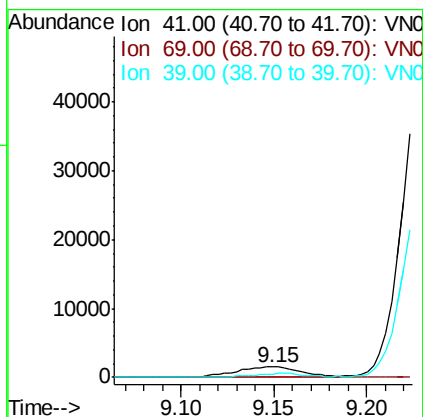
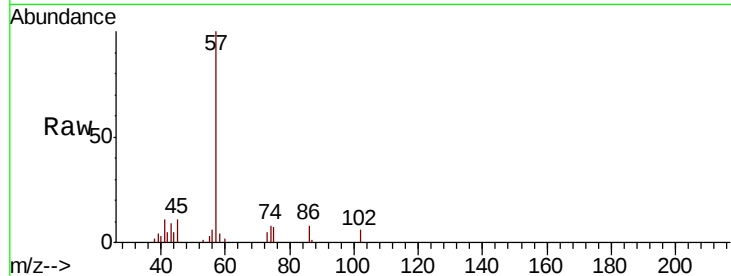




#48
Methvl methacrylate
Concen: 1.493 ug/l
RT: 9.15 min Scan# 2294
Delta R.T. -0.02 min
Lab File: VN062328.D
Acq: 2 Jul 2020 7:34

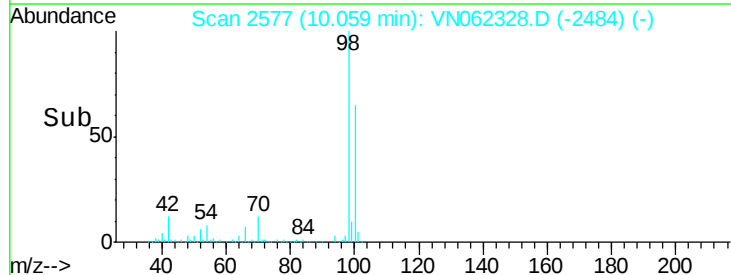
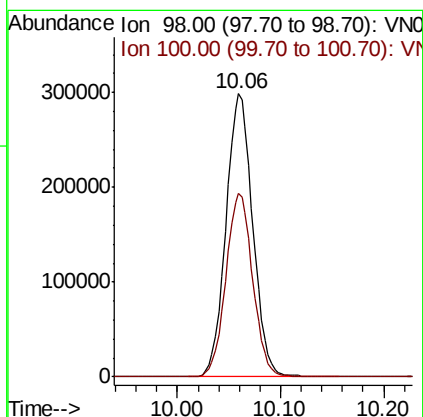
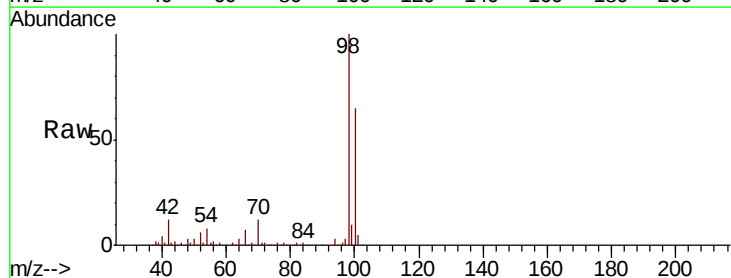
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-590-594

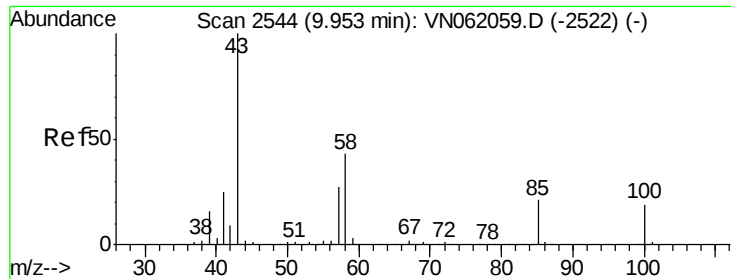
Tot Ion: 41 Resp: 3746
Ion Ratio Lower Upper
41 100
69 0.0 80.7 121.1#
39 0.0 54.5 81.7#



#50
Toluene-d8
Concen: 51.055 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062328.D
Acq: 2 Jul 2020 7:34

Tgt Ion: 98 Resp: 540062
Ion Ratio Lower Upper
98 100
100 65.0 51.2 76.8

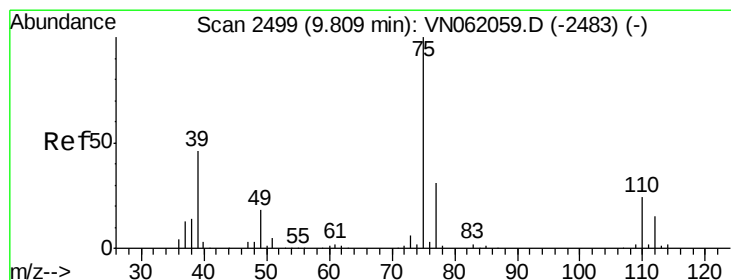
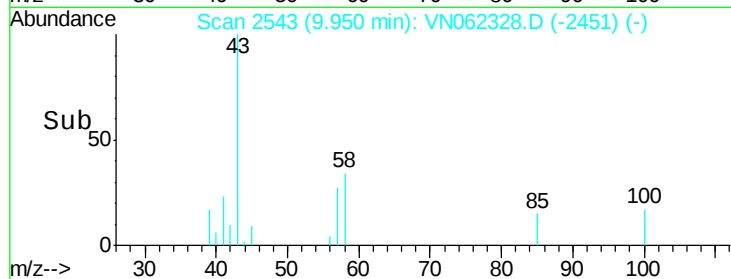
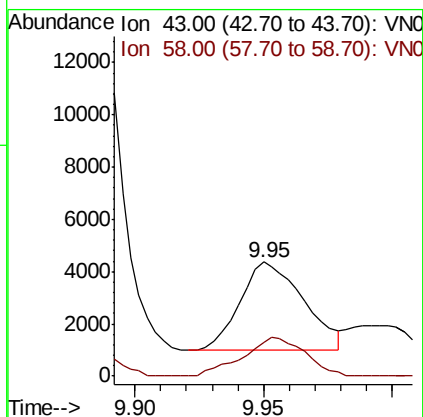
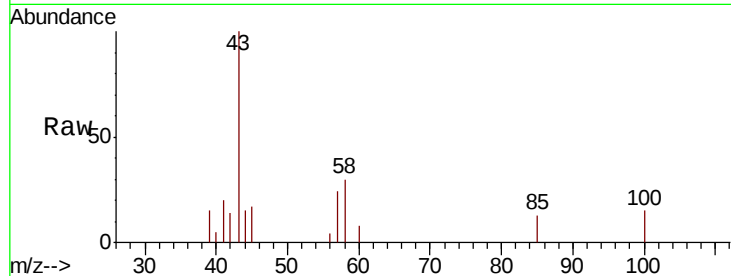




#51
4-Methyl-2-Pentanone
Concen: 1.768 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN062328.D
Acq: 2 Jul 2020 7:34

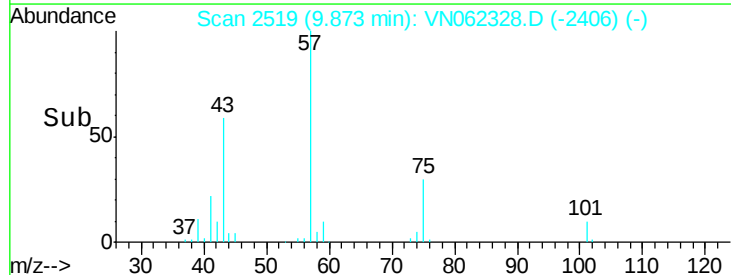
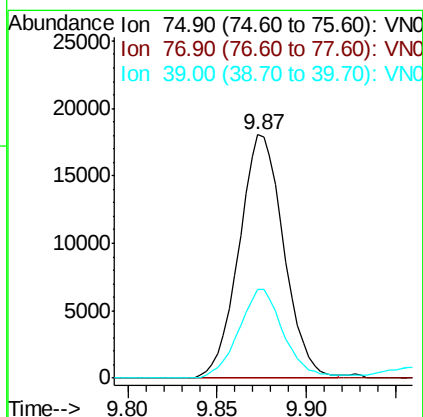
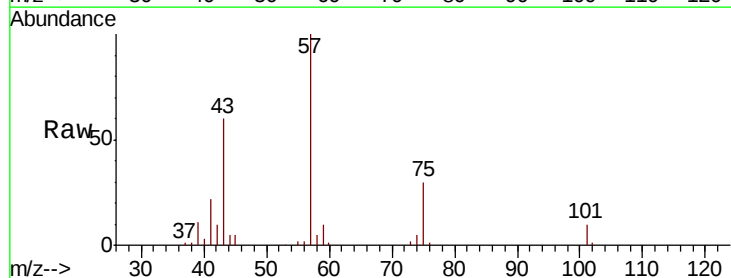
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-590-594

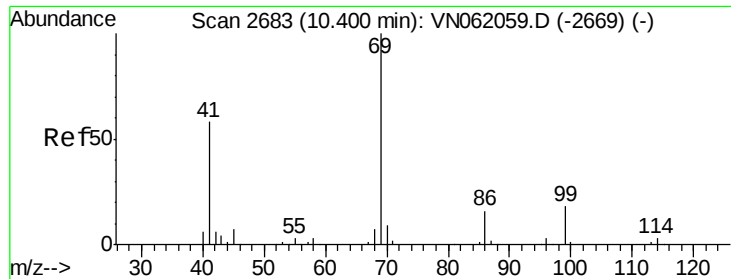
Tot Ion: 43 Resp: 5780
Ion Ratio Lower Upper
43 100
58 42.9 34.2 51.2



#54
cis-1,3-Dichloropropene
Concen: 6.304 ug/l
RT: 9.87 min Scan# 2519
Delta R.T. 0.06 min
Lab File: VN062328.D
Acq: 2 Jul 2020 7:34

Tgt Ion: 75 Resp: 31515
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 36.4 36.9 55.3#





#56

Ethyl methacrylate

Concen: 0.402 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.12 min

Lab File: VN062328.D

Acq: 2 Jul 2020 7:34

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-SOIL-590-594

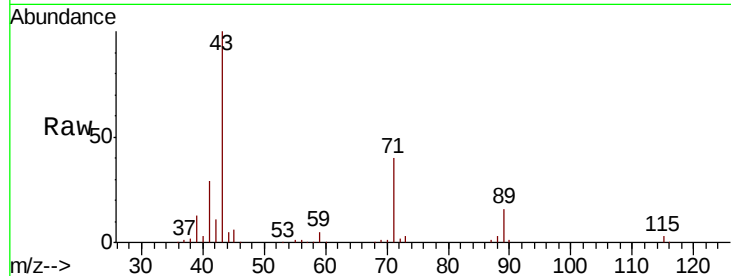
Tot Ion: 69 Resp: 1627

Ion Ratio Lower Upper

69 100

41 4060.7 46.6 70.0#

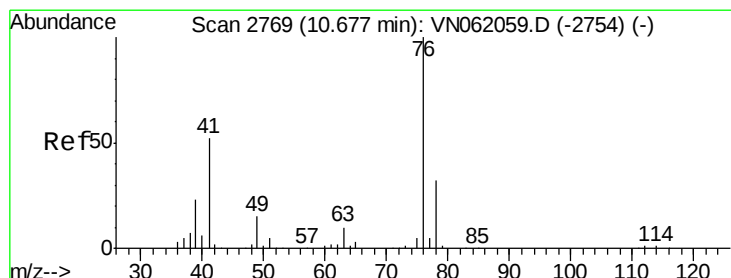
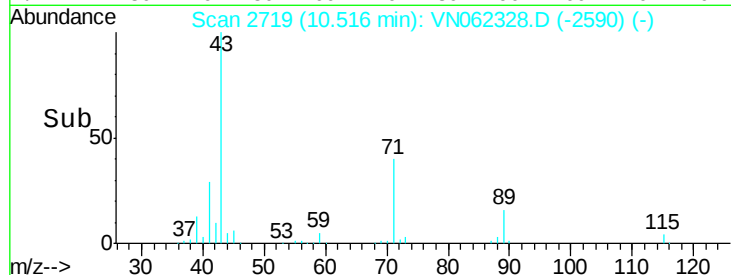
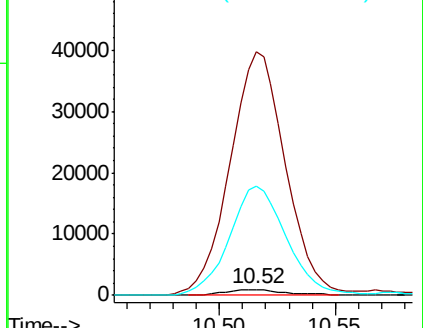
39 1880.8 31.0 46.4#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.027 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.06 min

Lab File: VN062328.D

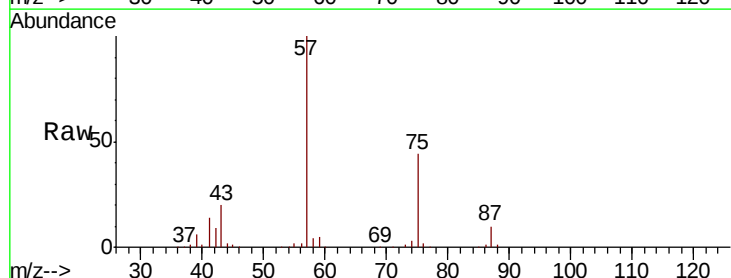
Acq: 2 Jul 2020 7:34

Tgt Ion: 76 Resp: 5357

Ion Ratio Lower Upper

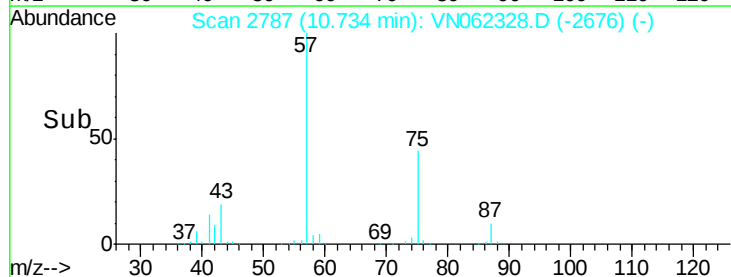
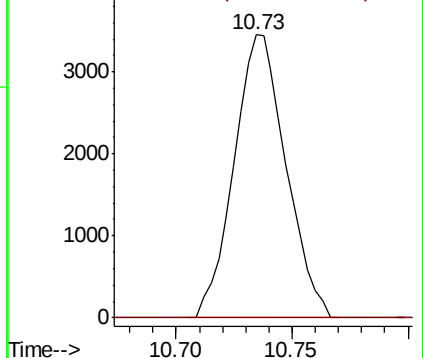
76 100

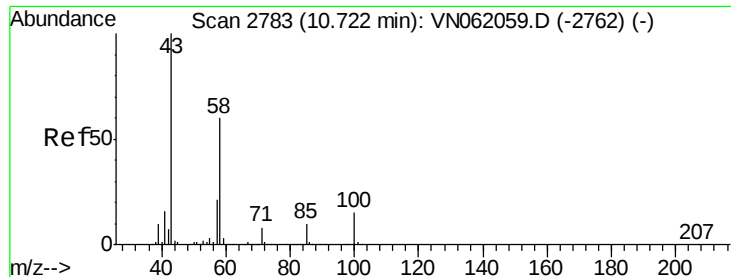
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

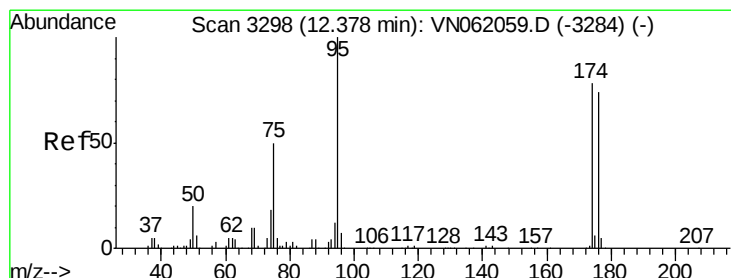
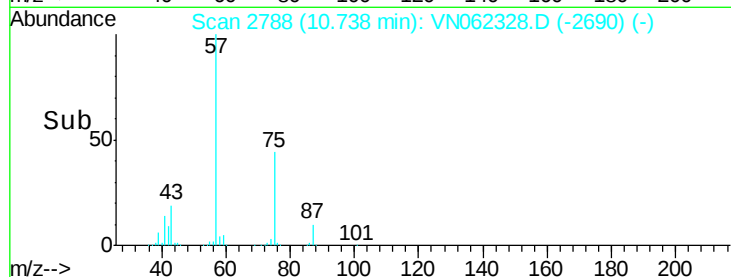
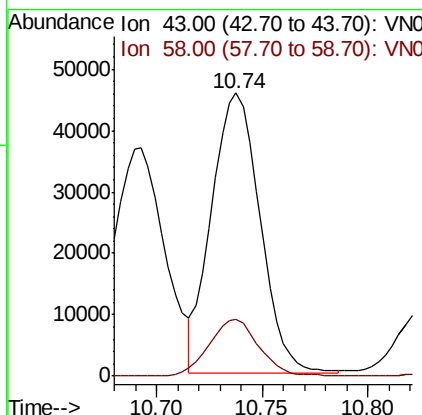
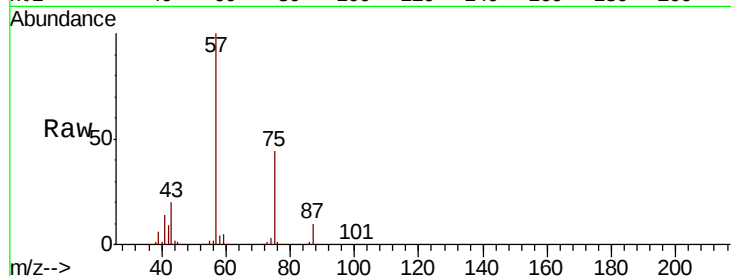




#59
2-Hexanone
Concen: 30.853 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.02 min
Lab File: VN062328.D
Acq: 2 Jul 2020 7:34

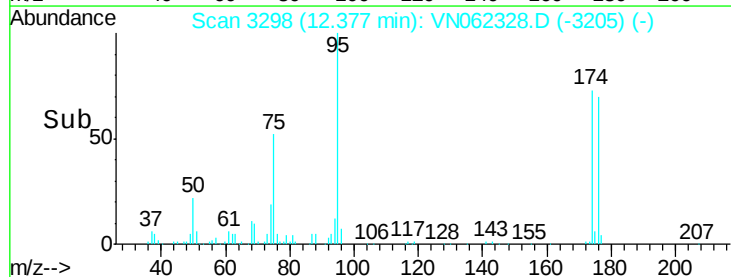
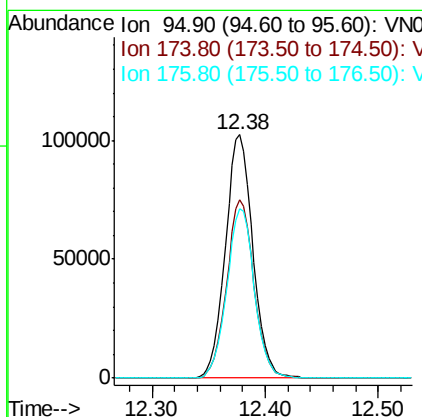
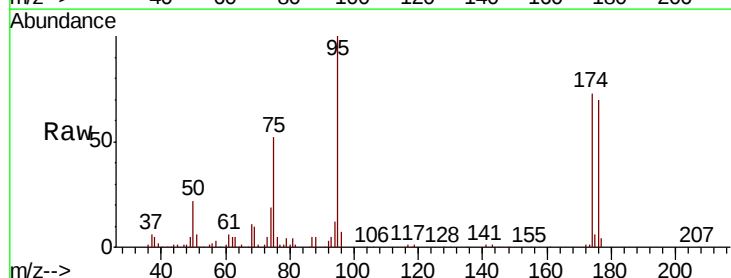
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-590-594

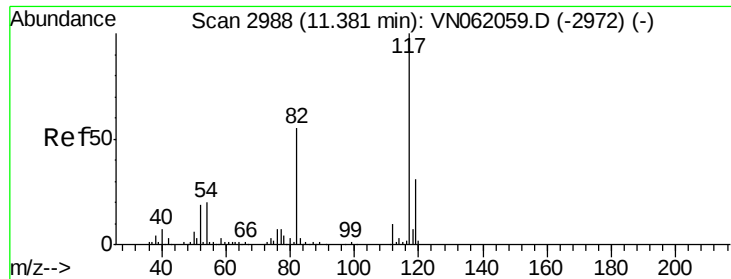
Tot Ion: 43 Resp: 72848
Ion Ratio Lower Upper
43 100
58 20.9 29.5 88.5#



#62
4-Bromofluorobenzene
Concen: 48.342 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062328.D
Acq: 2 Jul 2020 7:34

Tgt Ion: 95 Resp: 172768
Ion Ratio Lower Upper
95 100
174 72.7 0.0 154.8
176 69.9 0.0 147.4

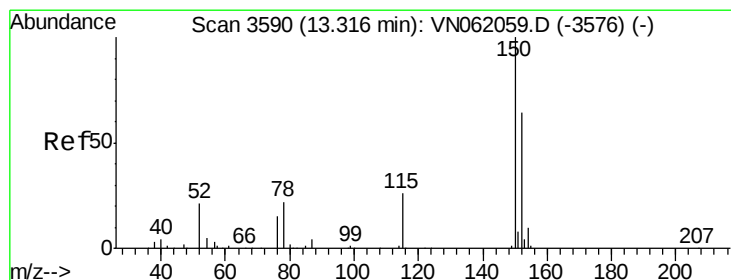
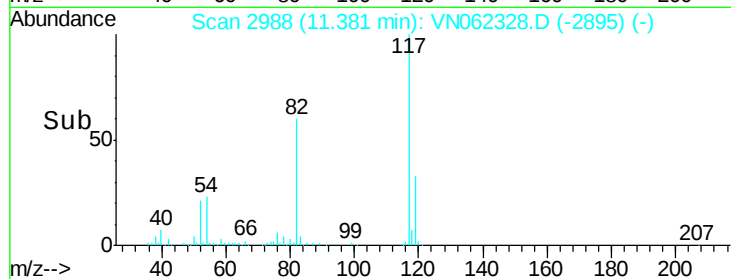
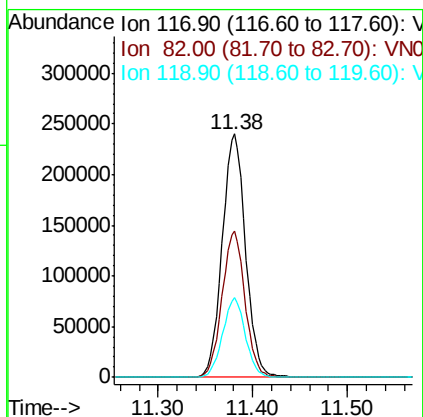
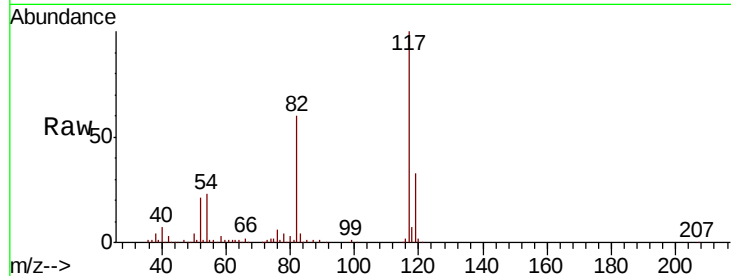




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062328.D
Acq: 2 Jul 2020 7:34

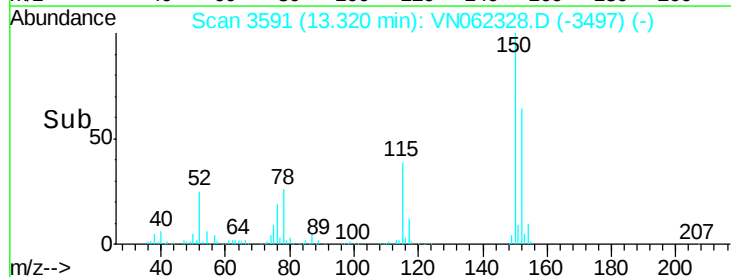
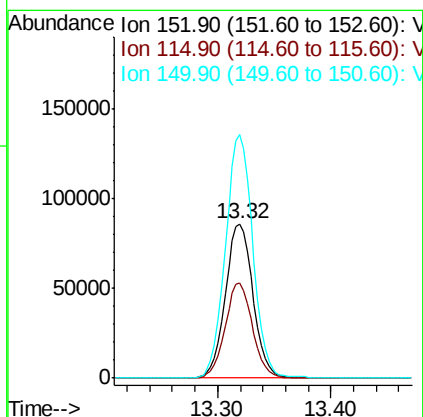
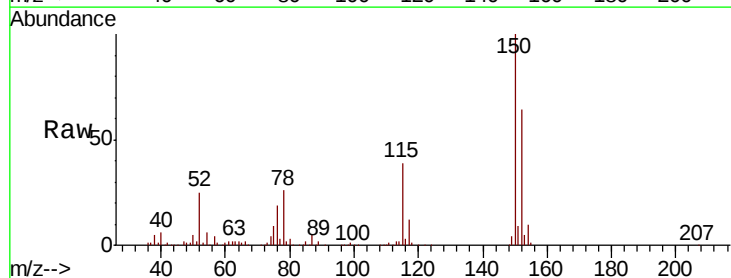
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-590-594

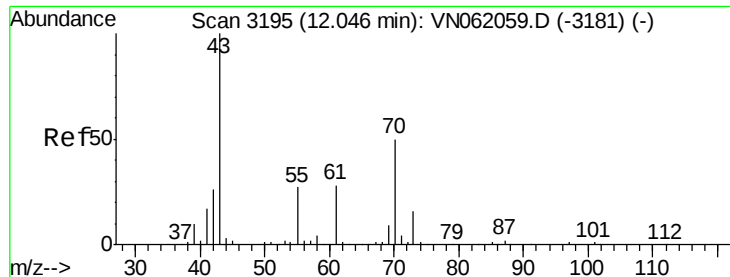
Tot Ion:117 Resp: 411993
Ion Ratio Lower Upper
117 100
82 60.0 43.8 65.8
119 32.5 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062328.D
Acq: 2 Jul 2020 7:34

Tgt Ion:152 Resp: 146758
Ion Ratio Lower Upper
152 100
115 60.8 29.5 88.5
150 156.1 0.0 351.4





#74

N-amvl acetate

Concen: 3.997 ug/l

RT: 12.01 min Scan# 3185

Delta R.T. -0.03 min

Lab File: VN062328.D

Acq: 2 Jul 2020 7:34

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-SOIL-590-594

Tot Ion: 43 Resp: 2929

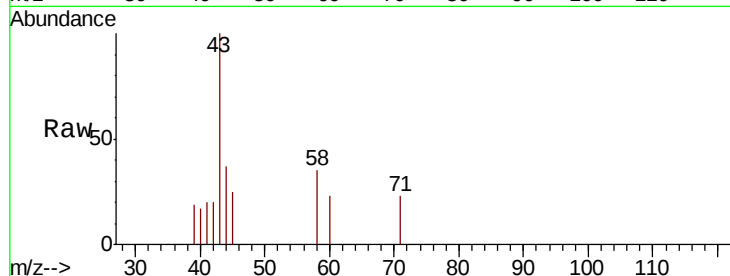
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

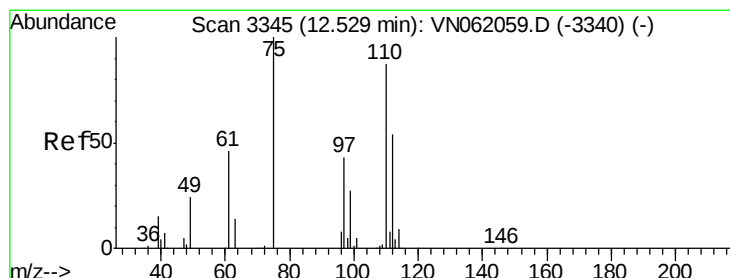
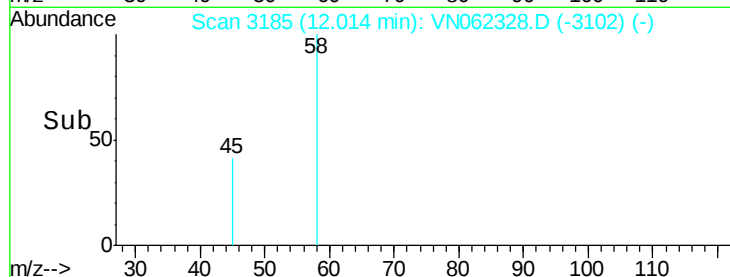
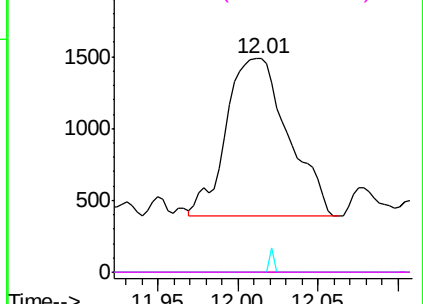


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 26.046 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062328.D

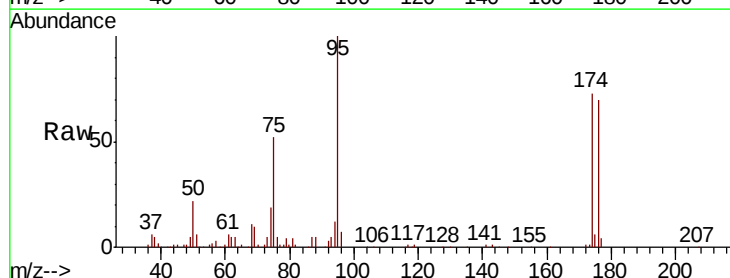
Acq: 2 Jul 2020 7:34

Tgt Ion: 75 Resp: 89985

Ion Ratio Lower Upper

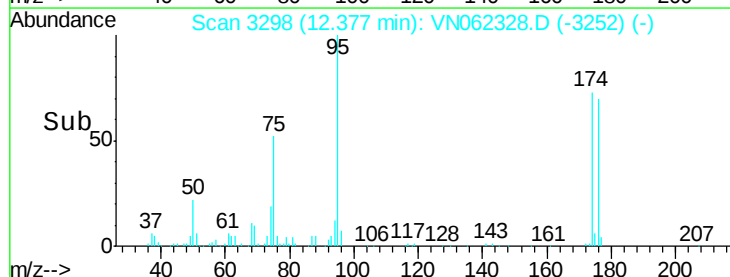
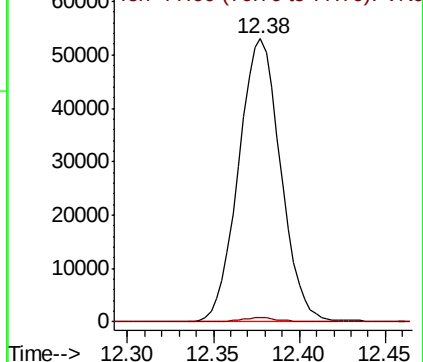
75 100

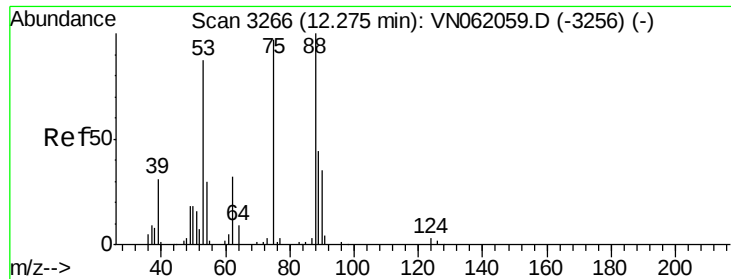
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 76.065 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062328.D

Acq: 2 Jul 2020 7:34

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-SOIL-590-594

Tot Ion: 75 Resp: 89985

Ion Ratio Lower Upper

75 100

53 0.1 72.0 108.0#

89 0.0 36.9 55.3#

