

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063931.D
 Acq On : 7 Oct 2020 7:30
 Operator : JC/MD
 Sample : L4269-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 362-CONCRETE

Quant Time: Oct 07 07:50:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	227613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	422103	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	435575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	175535	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	200659	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
35) Dibromofluoromethane	7.55	113	138436	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	
50) Toluene-d8	10.06	98	540992	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.38	95	205170	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds

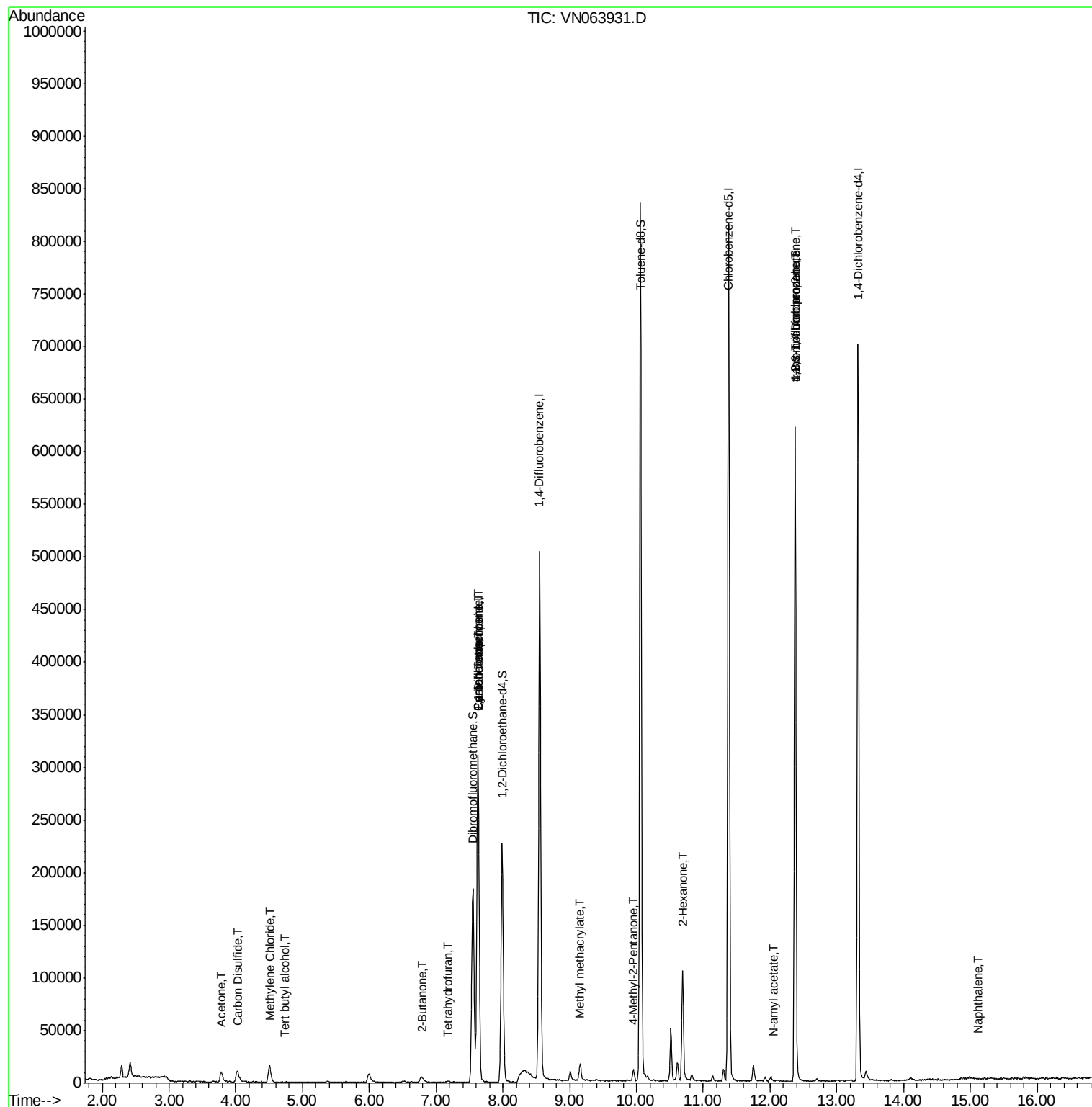
						Qvalue
11) Tert butyl alcohol	4.73	59	175	0.422	ug/l #	71
16) Acetone	3.78	43	18567	16.040	ug/l	99
17) Carbon Disulfide	4.02	76	639	0.802	ug/l #	76
20) Methylene Chloride	4.50	84	10174	3.928	ug/l #	92
25) 2-Butanone	6.79	43	1986	1.210	ug/l #	89
29) Tetrahydrofuran	7.17	42	386	0.351	ug/l #	64
31) Cyclohexane	7.62	56	6572	1.505	ug/l #	11
36) 1,1-Dichloropropene	7.62	75	20786	4.861	ug/l #	50
38) Carbon Tetrachloride	7.62	117	25034	5.221	ug/l #	15
48) Methyl methacrylate	9.15	41	5517	1.593	ug/l #	25
51) 4-Methyl-2-Pentanone	9.95	43	8475	2.061	ug/l	89
59) 2-Hexanone	10.69	43	80878	26.474	ug/l #	28
74) N-amyl acetate	12.05	43	281	2.261	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	115669	29.893	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	115669	86.095	ug/l #	6
95) Naphthalene	15.11	128	105	1.935	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 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: VN063931.D

Acq: 7 Oct 2020 7:30

Instrument :

MSVOA_N

ClientSampleId :

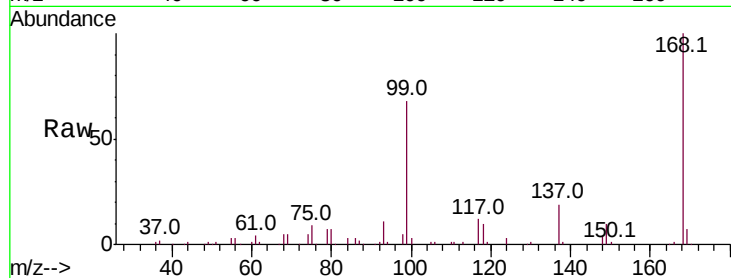
362-CONCRETE

Tot Ion:168 Resp: 227613

Ion Ratio Lower Upper

168 100

99 67.7 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

100000

80000

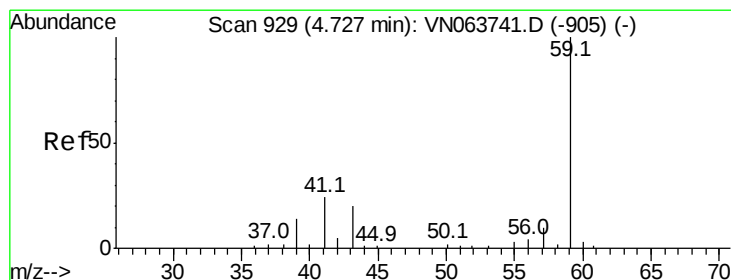
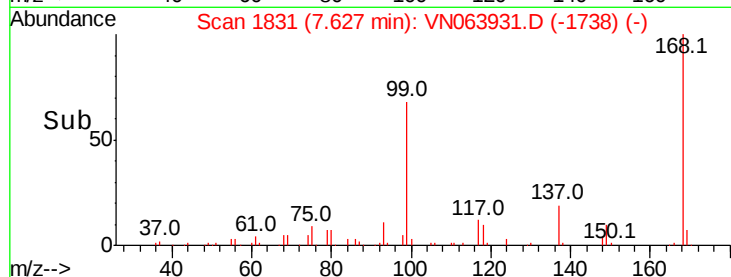
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.422 ug/l

RT: 4.73 min Scan# 930

Delta R.T. 0.00 min

Lab File: VN063931.D

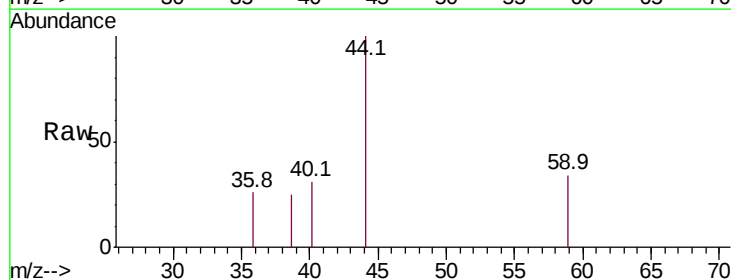
Acq: 7 Oct 2020 7:30

Tgt Ion: 59 Resp: 175

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.73

200

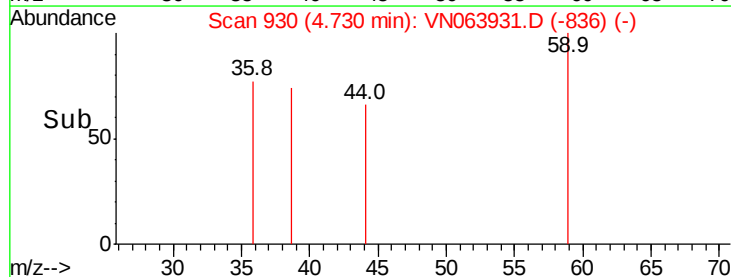
150

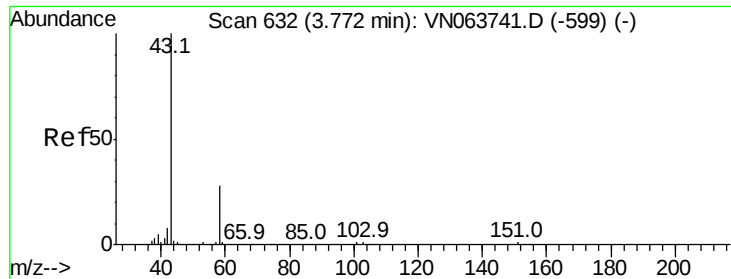
100

50

0

Time--> 4.71 4.72 4.73 4.74 4.75





#16

Acetone

Concen: 16.040 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN063931.D

Acq: 7 Oct 2020 7:30

Instrument :

MSVOA_N

ClientSampleId :

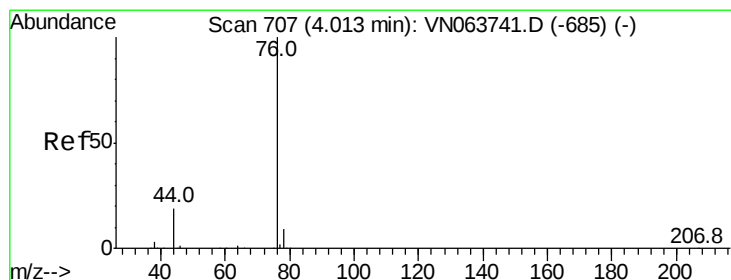
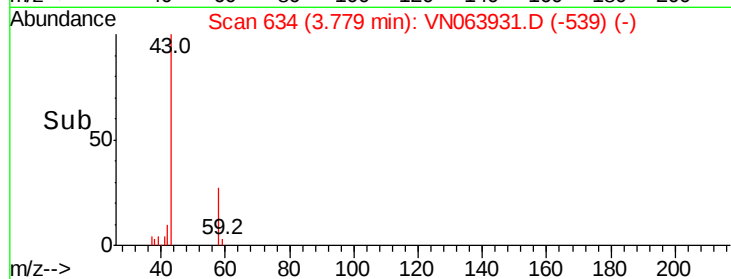
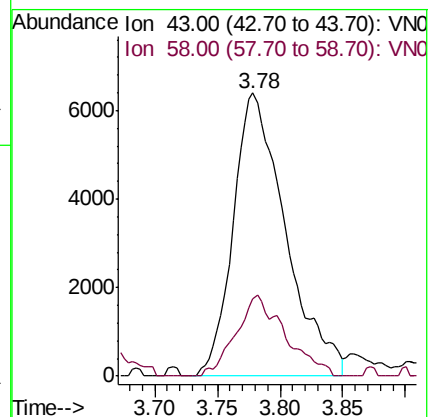
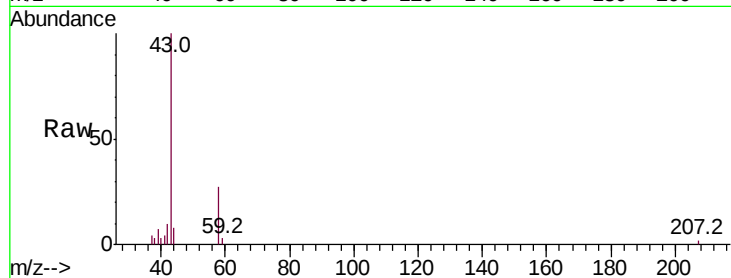
362-CONCRETE

Tot Ion: 43 Resp: 18567

Ion Ratio Lower Upper

43 100

58 27.3 22.3 33.5



#17

Carbon Disulfide

Concen: 0.802 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN063931.D

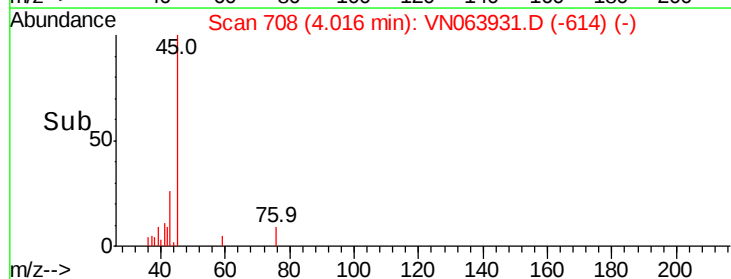
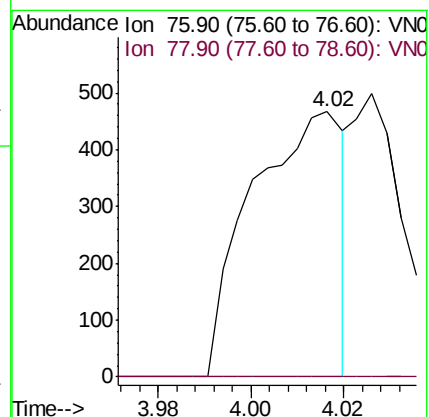
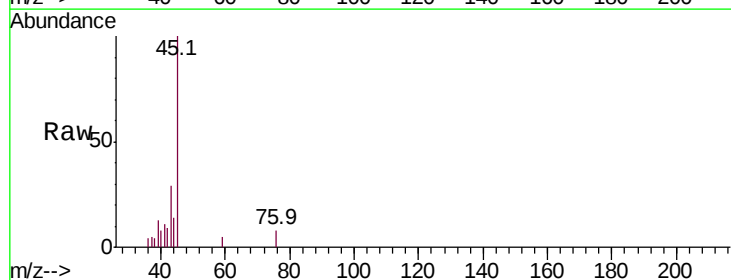
Acq: 7 Oct 2020 7:30

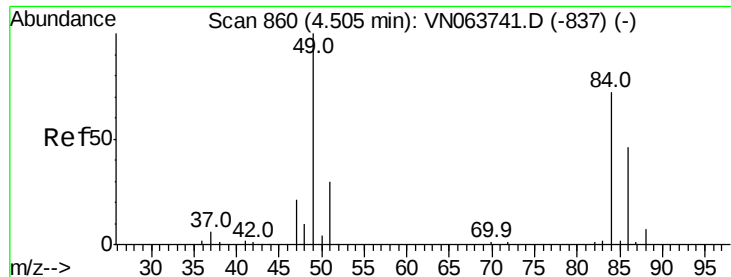
Tgt Ion: 76 Resp: 639

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

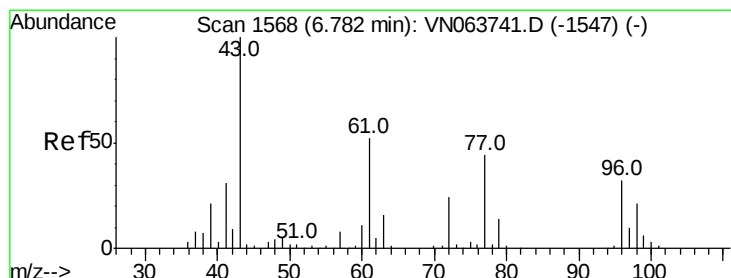
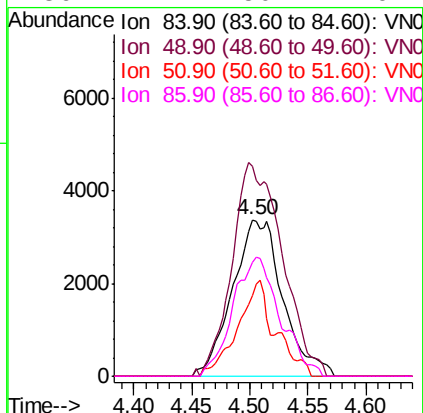
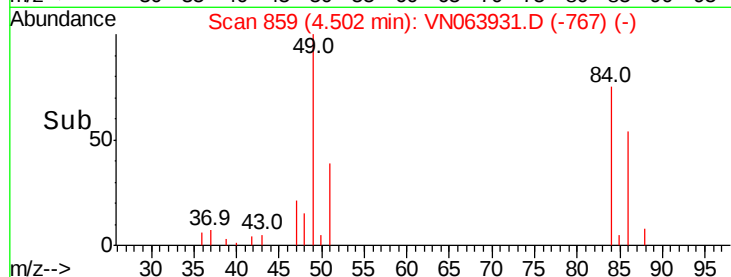
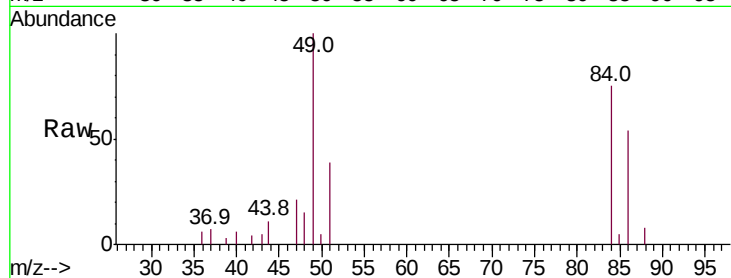




#20
Methvlene Chloride
Concen: 3.928 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063931.D
Acq: 7 Oct 2020 7:30

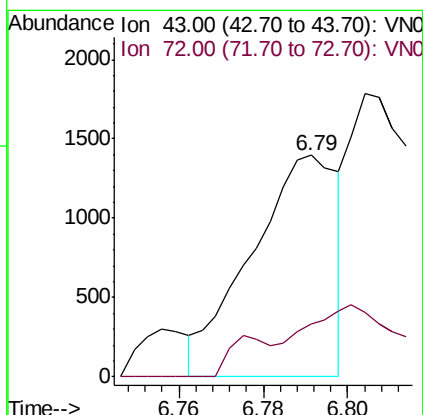
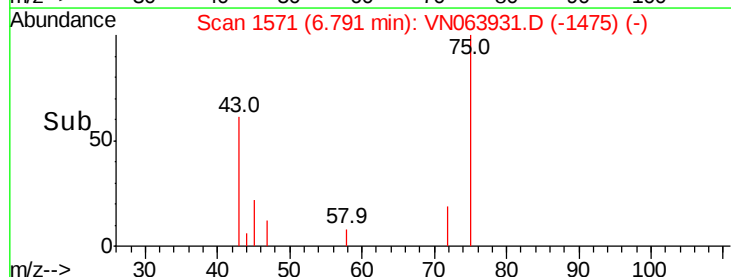
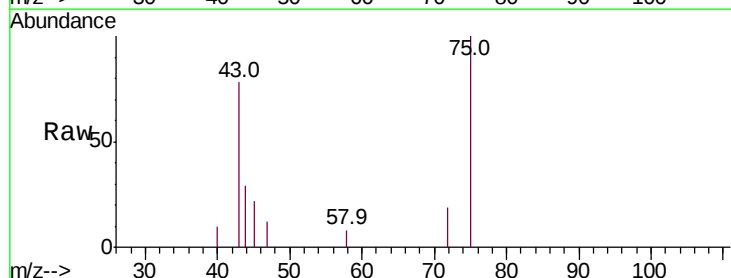
Instrument :
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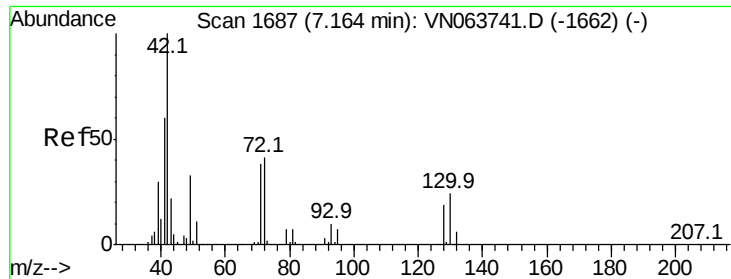
Tot Ion: 84 Resp: 10174
Ion Ratio Lower Upper
84 100
49 134.1 110.4 165.6
51 51.7 33.3 49.9#
86 72.4 50.7 76.1



#25
2-Butanone
Concen: 1.210 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN063931.D
Acq: 7 Oct 2020 7:30

Tgt Ion: 43 Resp: 1986
Ion Ratio Lower Upper
43 100
72 29.5 19.3 28.9#





#29

Tetrahydrofuran

Concen: 0.351 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN063931.D

Acq: 7 Oct 2020 7:30

Instrument :

MSVOA_N

ClientSampleId :

362-CONCRETE

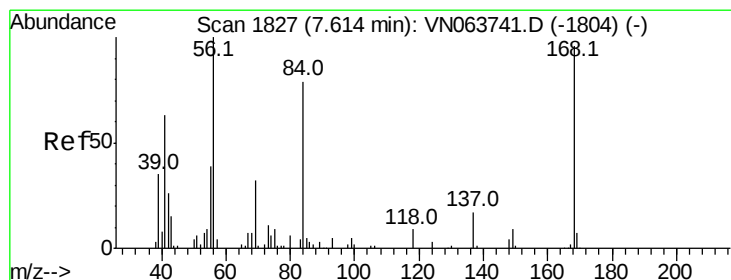
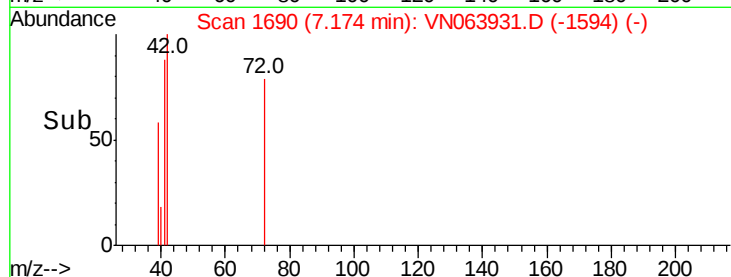
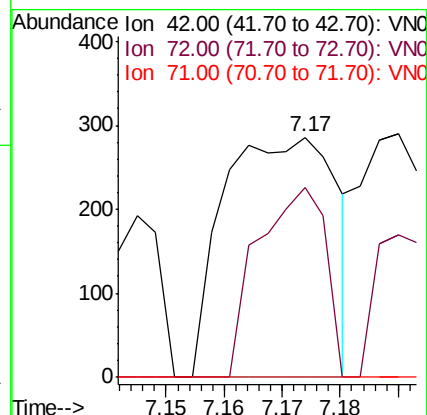
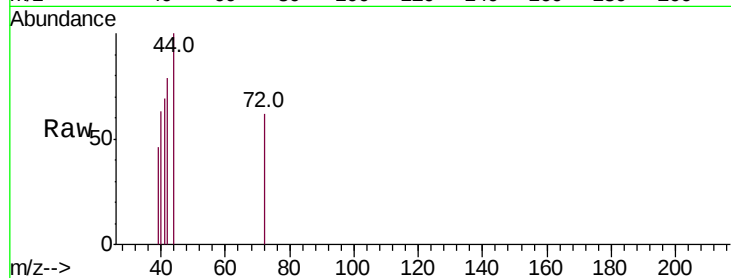
Tot Ion: 42 Resp: 386

Ion Ratio Lower Upper

42 100

72 47.4 32.8 49.2

71 0.0 30.6 45.8#



#31

Cyclohexane

Concen: 1.505 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063931.D

Acq: 7 Oct 2020 7:30

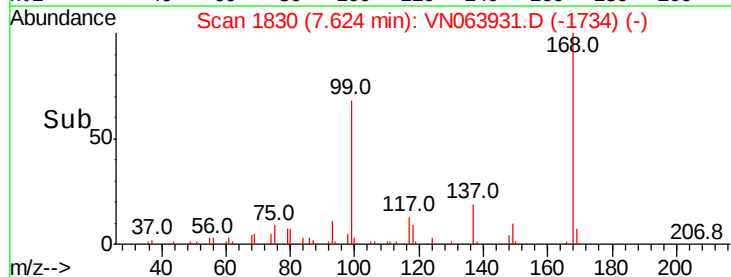
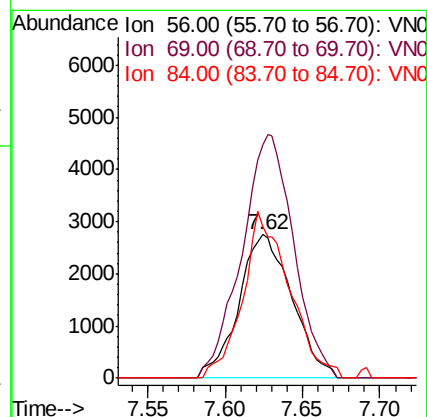
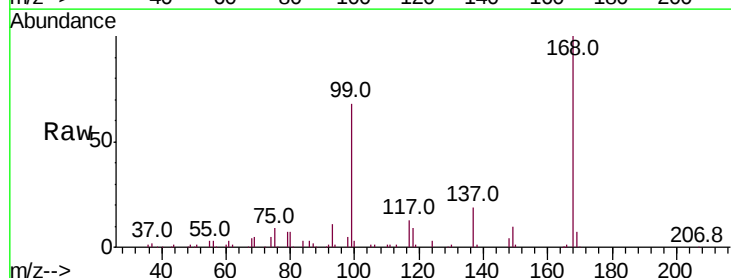
Tgt Ion: 56 Resp: 6572

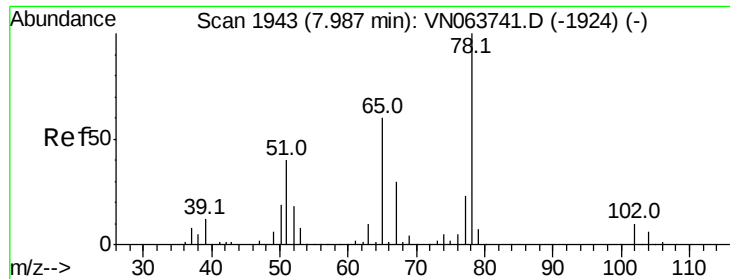
Ion Ratio Lower Upper

56 100

69 162.4 25.4 38.2#

84 105.2 63.3 94.9#

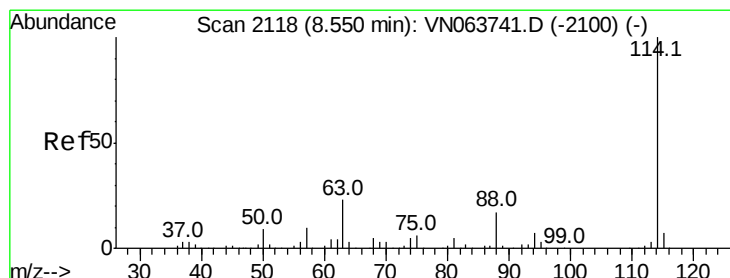
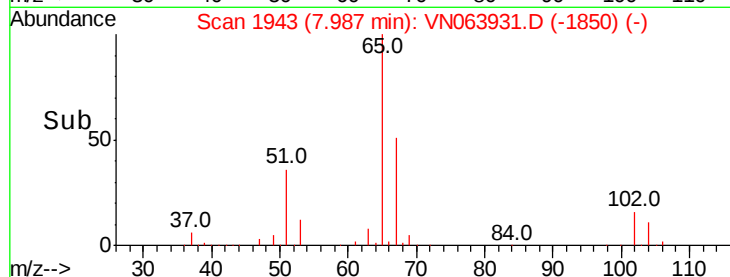
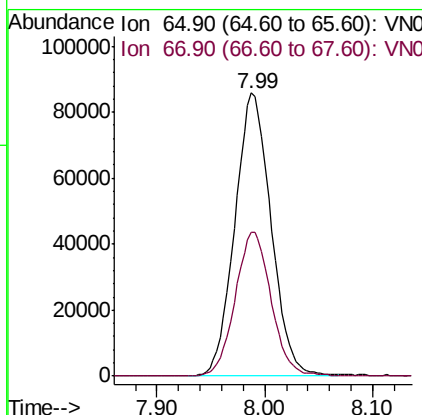
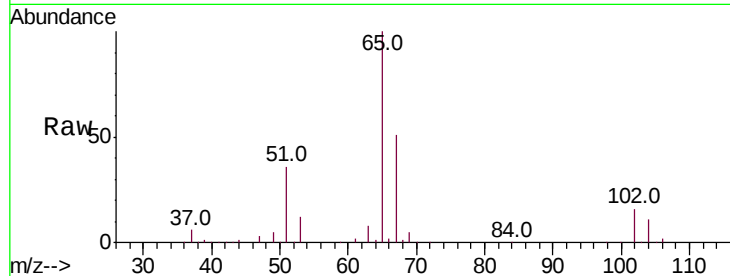




#33
 1,2-Dichloroethane-d4
 Concen: 53.362 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063931.D
 Acq: 7 Oct 2020 7:30

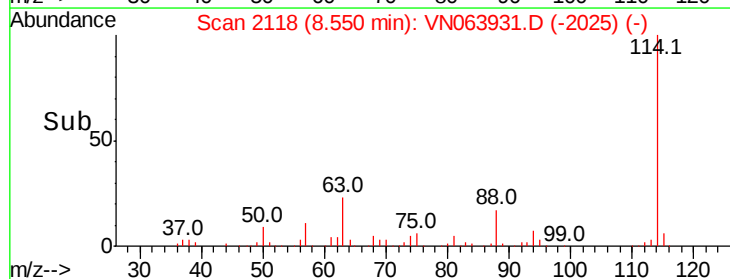
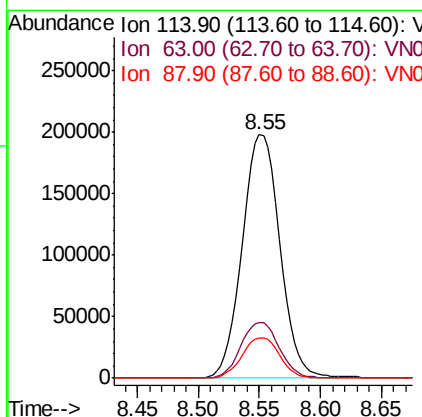
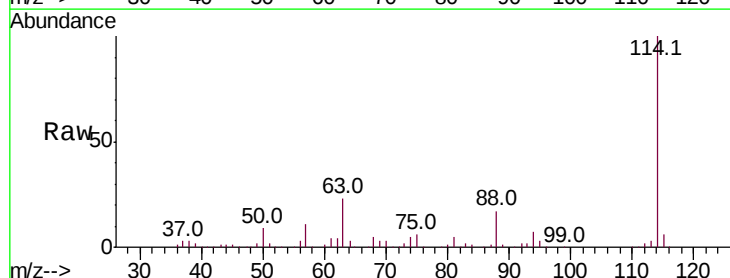
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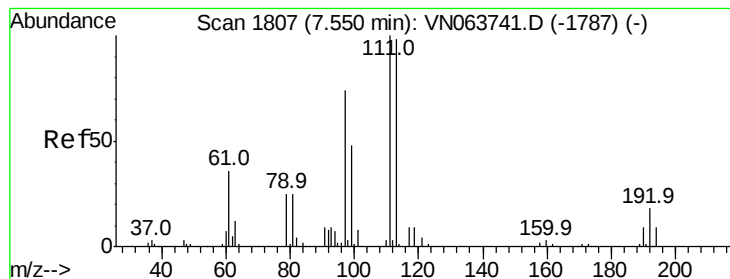
Tot Ion: 65 Resp: 200659
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063931.D
 Acq: 7 Oct 2020 7:30

Tgt Ion: 114 Resp: 422103
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.0
 88 16.6 0.0 34.0





#35

Dibromofluoromethane

Concen: 47.266 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063931.D

Acq: 7 Oct 2020 7:30

Instrument :

MSVOA_N

ClientSampleId :

362-CONCRETE

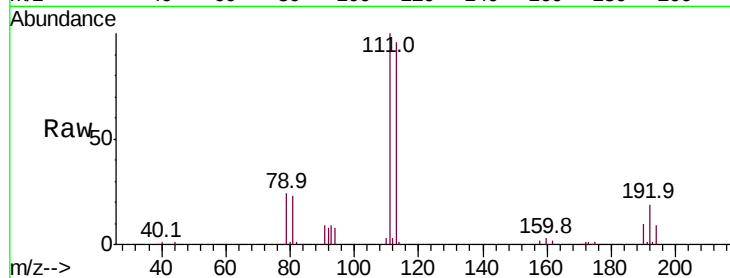
Tot Ion:113 Resp: 138436

Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

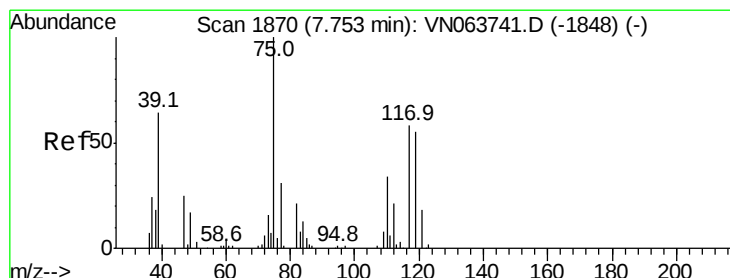
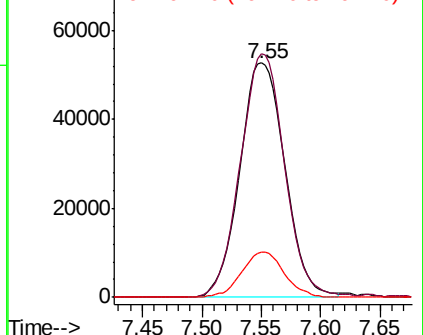
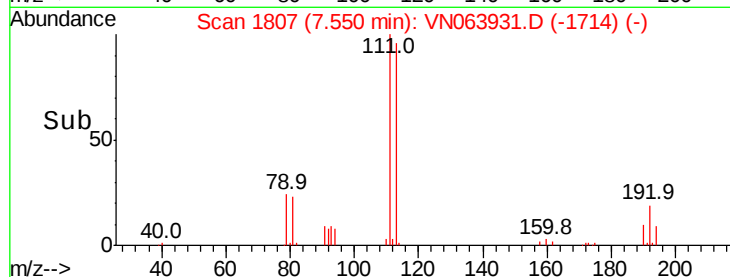
192 18.3 14.2 21.2



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: 4.861 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063931.D

Acq: 7 Oct 2020 7:30

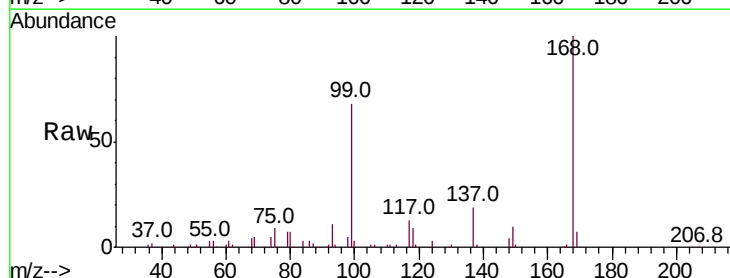
Tgt Ion: 75 Resp: 20786

Ion Ratio Lower Upper

75 100

110 8.2 16.9 50.6#

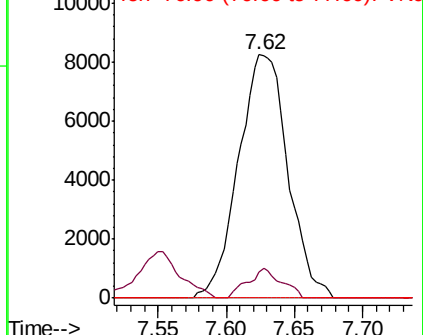
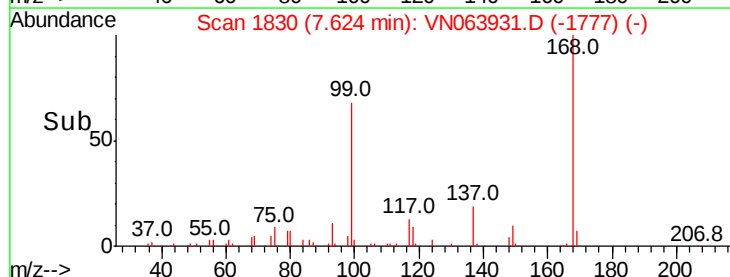
77 0.0 24.5 36.7#

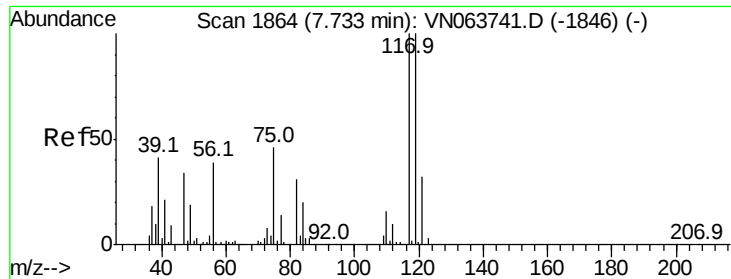


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

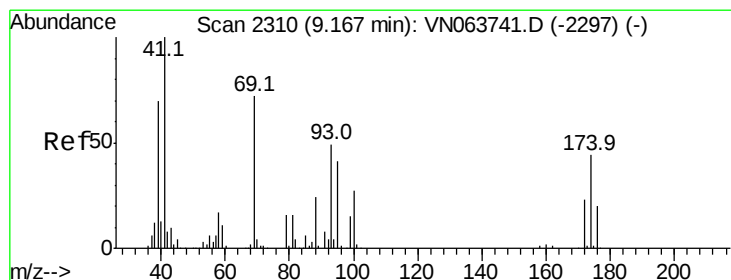
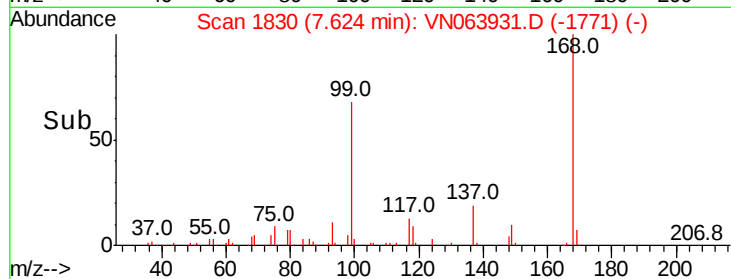
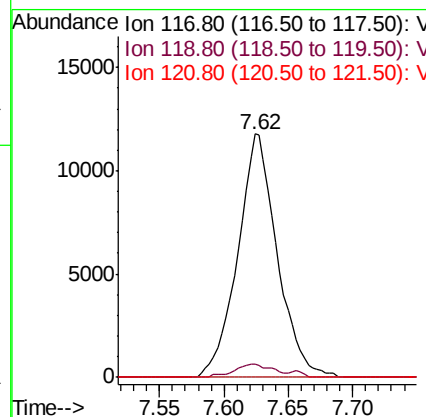
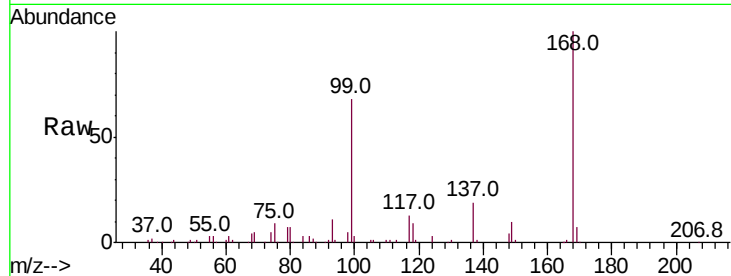




#38
Carbon Tetrachloride
Concen: 5.221 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.11 min
Lab File: VN063931.D
Acq: 7 Oct 2020 7:30

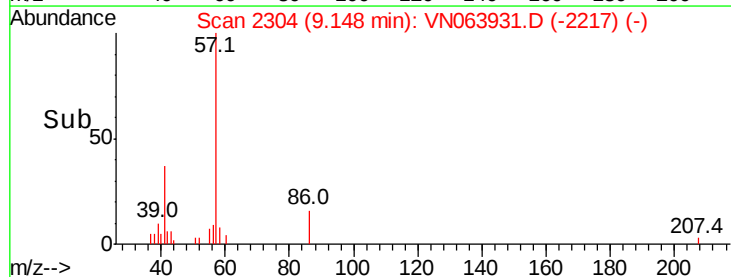
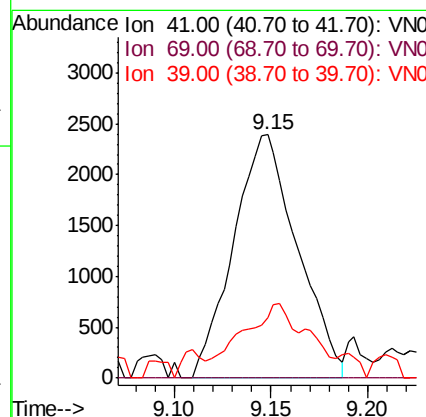
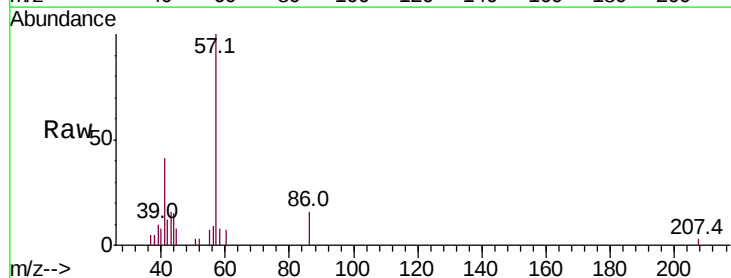
Instrument :
MSVOA_N
ClientSampleId :
362-CONCRETE

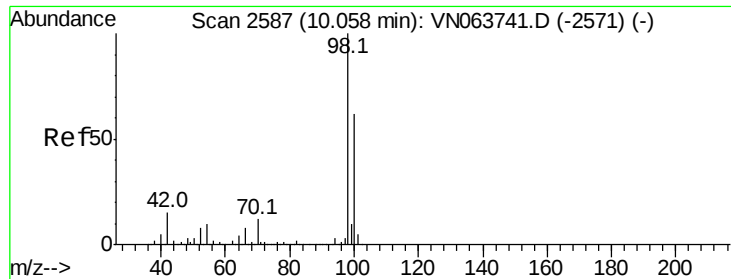
Tot Ion:117 Resp: 25034
Ion Ratio Lower Upper
117 100
119 5.6 80.1 120.1#
121 0.0 25.7 38.5#



#48
Methyl methacrylate
Concen: 1.593 ug/l
RT: 9.15 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN063931.D
Acq: 7 Oct 2020 7:30

Tgt Ion: 41 Resp: 5517
Ion Ratio Lower Upper
41 100
69 0.0 60.9 91.3#
39 21.0 57.5 86.3#





#50

Toluene-d8

Concen: 48.725 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063931.D

Acq: 7 Oct 2020 7:30

Instrument :

MSVOA_N

ClientSampleId :

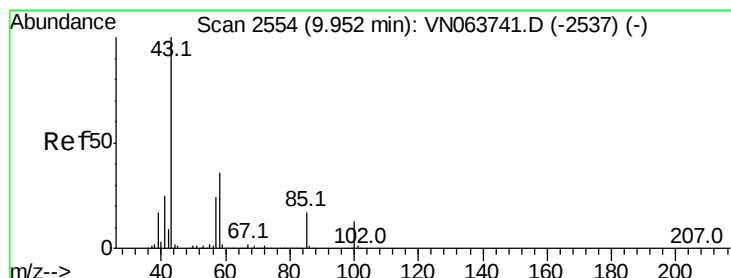
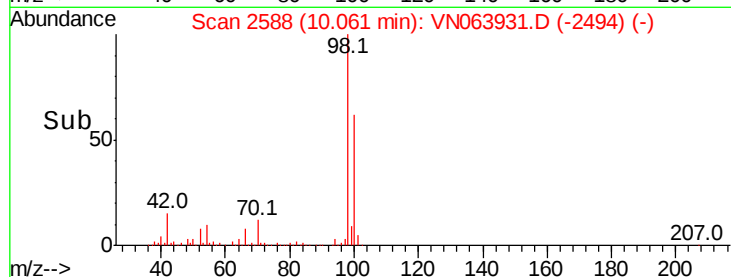
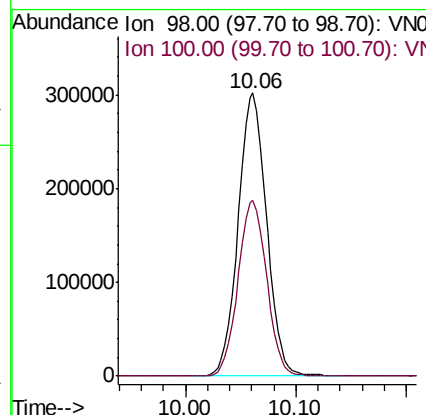
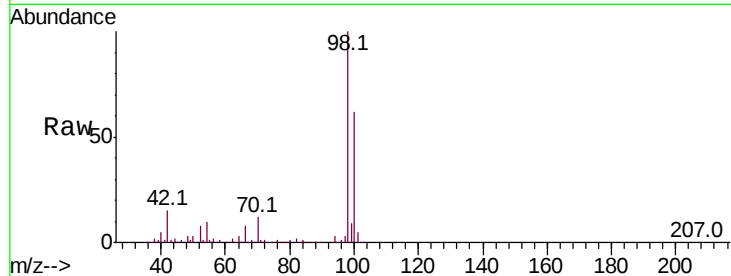
362-CONCRETE

Tot Ion: 98 Resp: 540992

Ion Ratio Lower Upper

98 100

100 62.7 49.8 74.6



#51

4-Methyl-2-Pentanone

Concen: 2.061 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063931.D

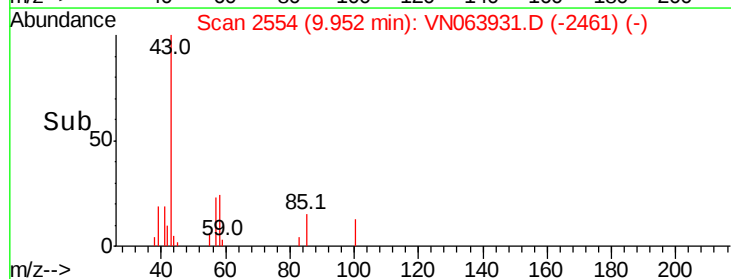
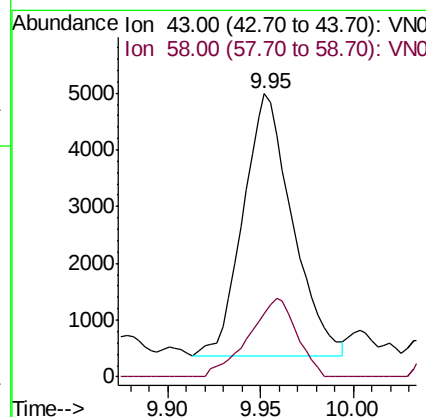
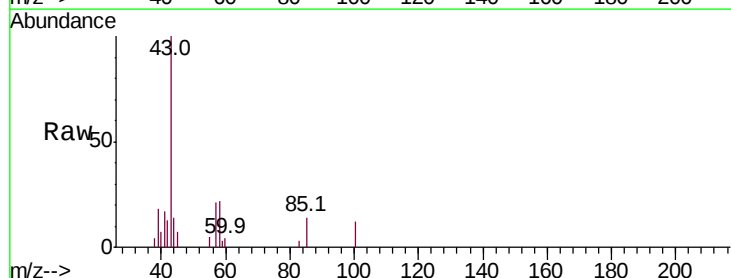
Acq: 7 Oct 2020 7:30

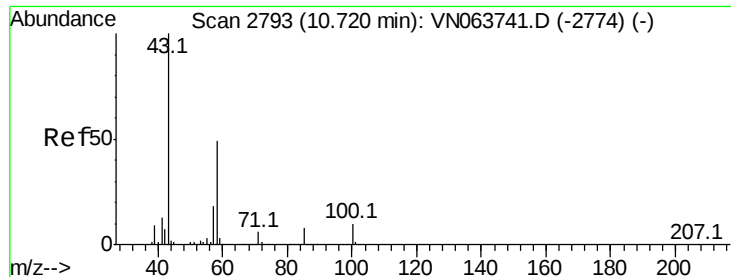
Tgt Ion: 43 Resp: 8475

Ion Ratio Lower Upper

43 100

58 29.3 28.4 42.6

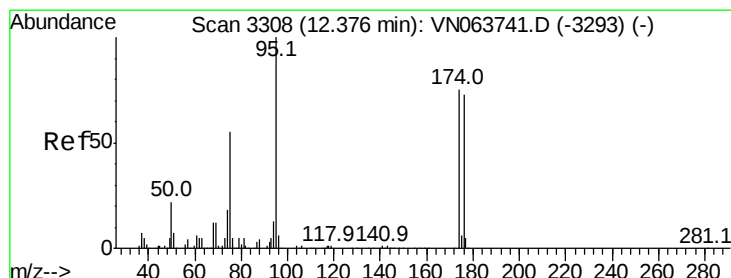
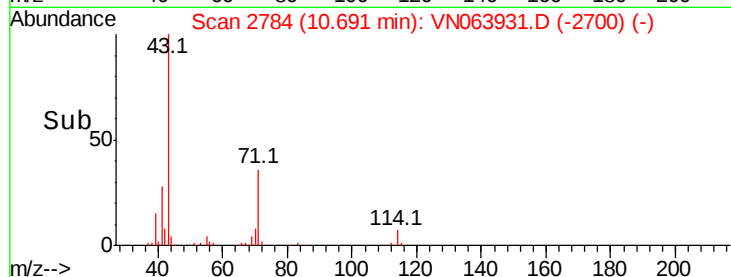
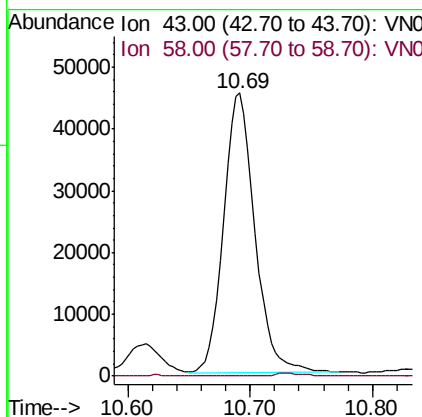
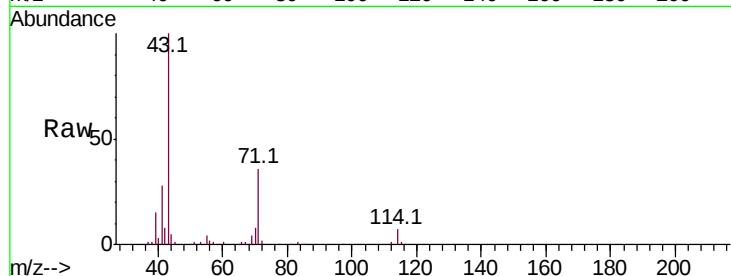




#59
2-Hexanone
Concen: 26.474 ug/l
RT: 10.69 min Scan# 2784
Delta R.T. -0.03 min
Lab File: VN063931.D
Acq: 7 Oct 2020 7:30

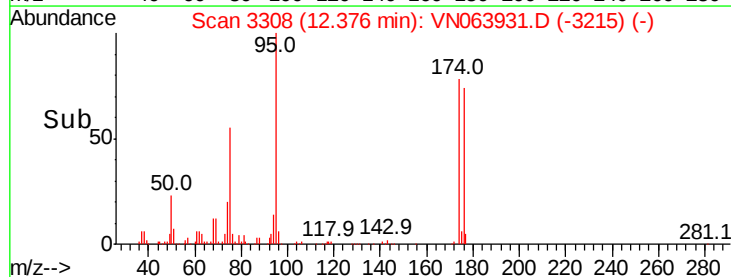
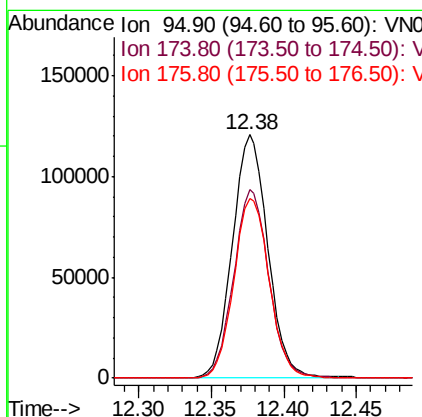
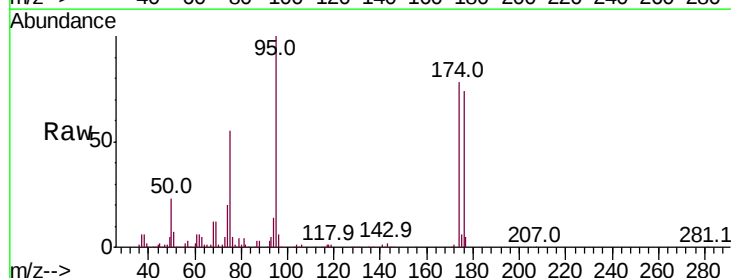
Instrument :
MSVOA_N
ClientSampleId :
362-CONCRETE

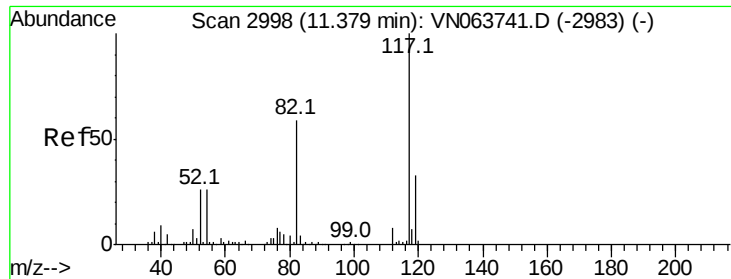
Tot Ion: 43 Resp: 80878
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 49.157 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063931.D
Acq: 7 Oct 2020 7:30

Tgt Ion: 95 Resp: 205170
Ion Ratio Lower Upper
95 100
174 77.0 0.0 150.6
176 74.1 0.0 145.4

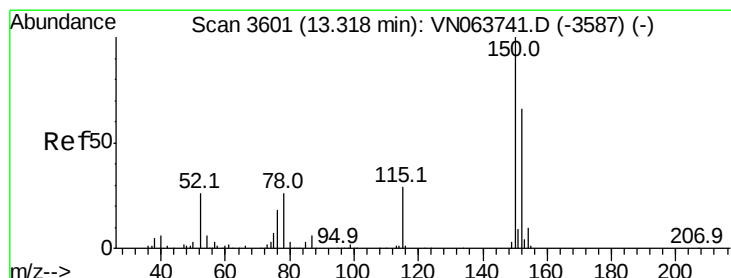
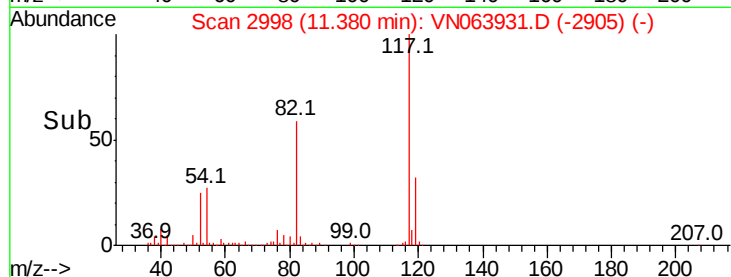
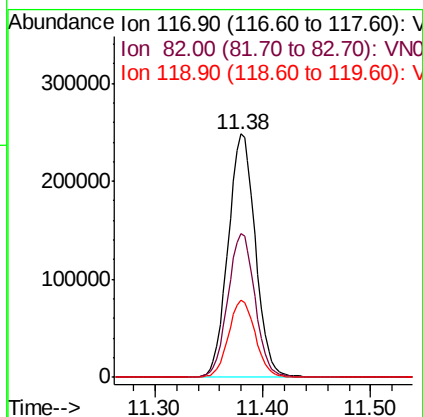
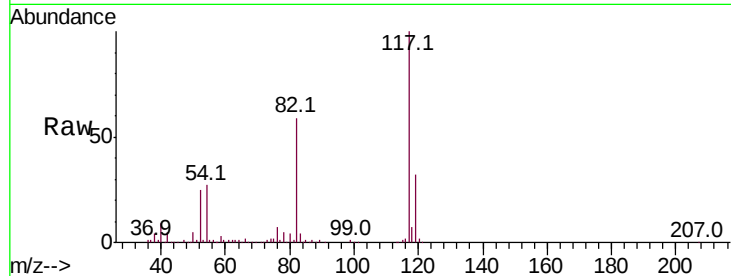




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063931.D
Acq: 7 Oct 2020 7:30

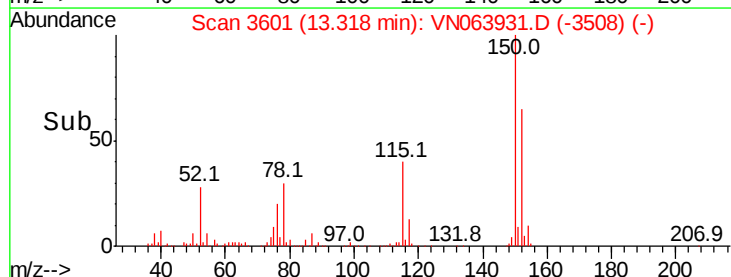
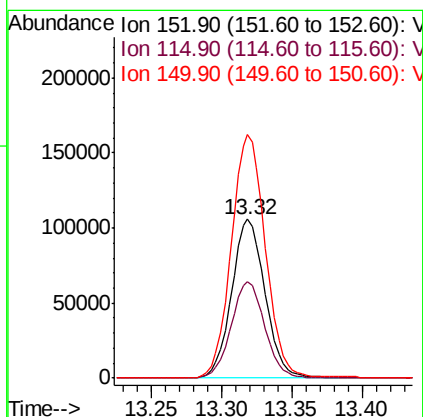
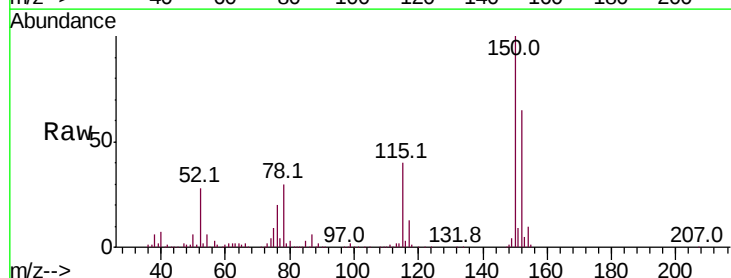
Instrument :
MSVOA_N
ClientSampleId :
362-CONCRETE

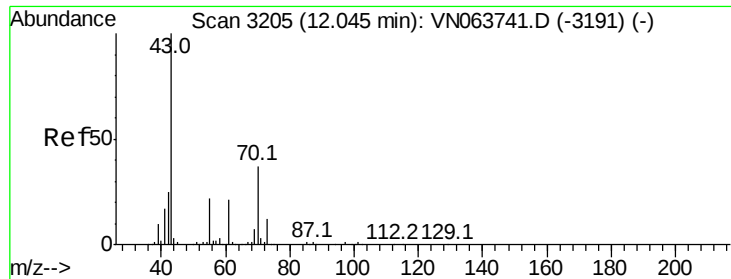
Tot Ion:117 Resp: 435575
Ion Ratio Lower Upper
117 100
82 59.0 47.4 71.2
119 31.5 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063931.D
Acq: 7 Oct 2020 7:30

Tgt Ion:152 Resp: 175535
Ion Ratio Lower Upper
152 100
115 61.0 31.3 93.8
150 156.0 0.0 341.8





#74

N-amvl acetate

Concen: 2.261 ug/l

RT: 12.05 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VN063931.D

Acq: 7 Oct 2020 7:30

Instrument :

MSVOA_N

ClientSampleId :

362-CONCRETE

Tot Ion: 43 Resp: 281

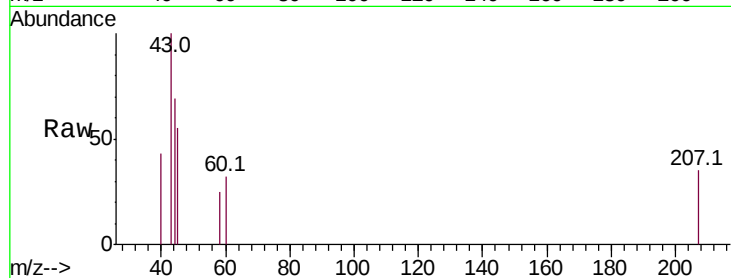
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

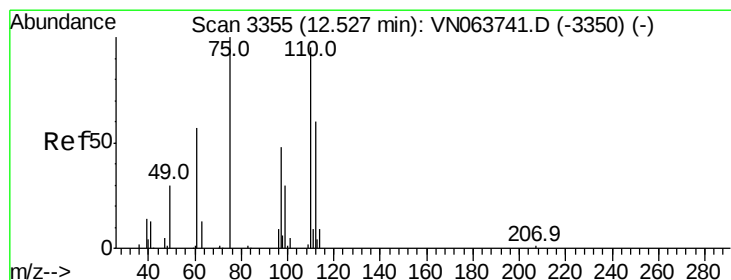
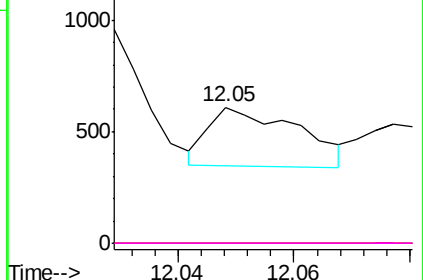
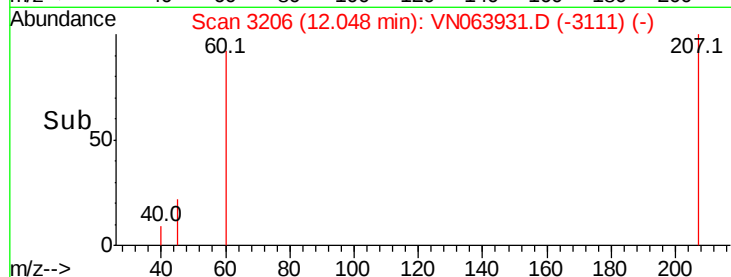


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 29.893 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063931.D

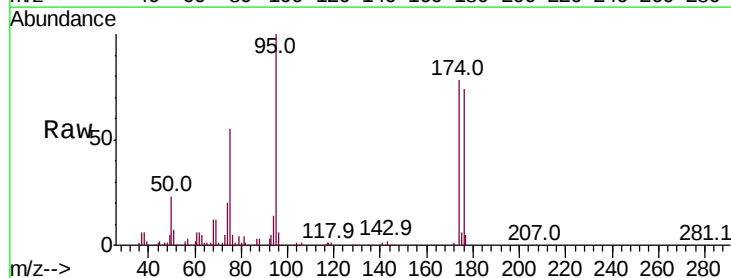
Acq: 7 Oct 2020 7:30

Tgt Ion: 75 Resp: 115669

Ion Ratio Lower Upper

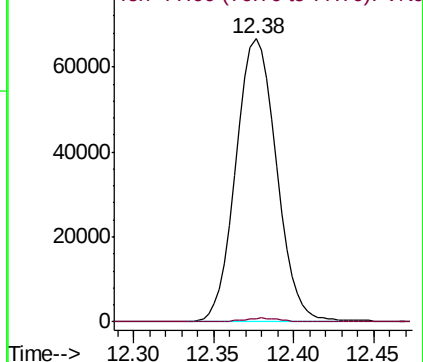
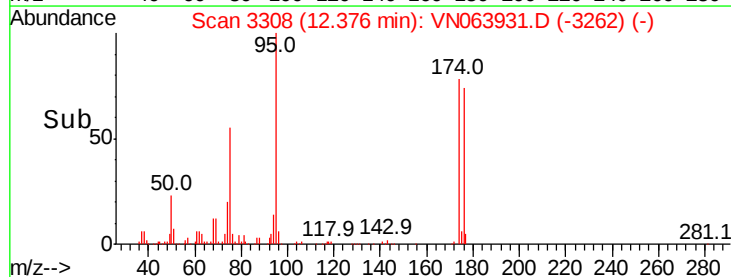
75 100

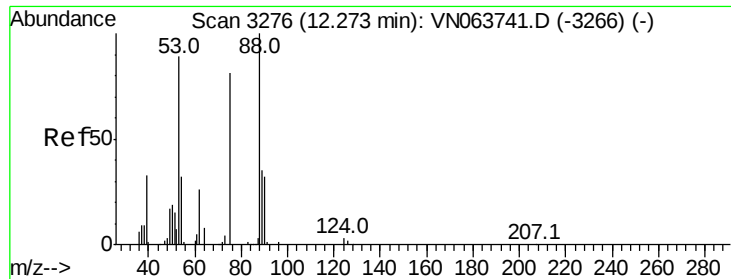
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

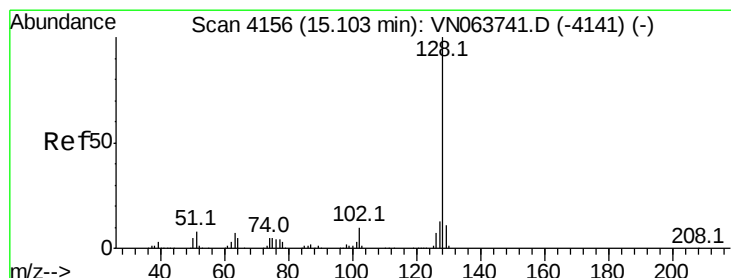
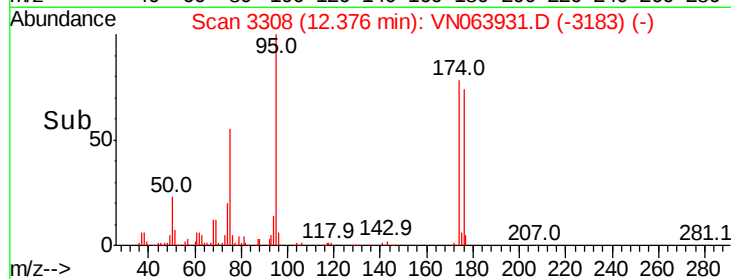
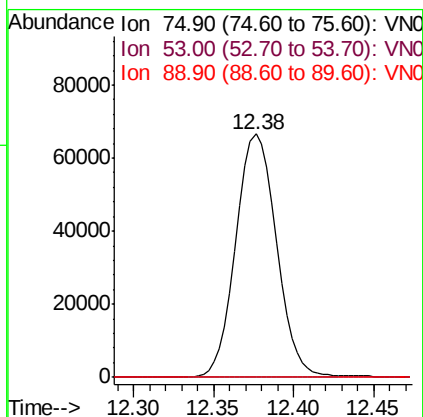
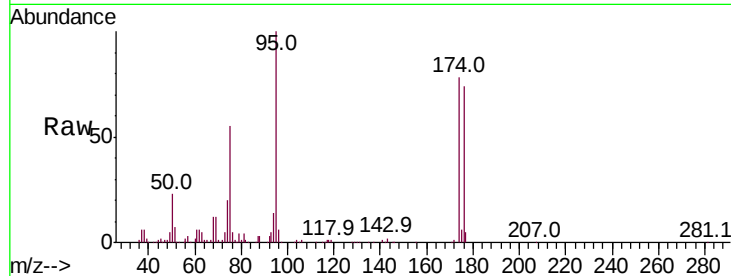




#81
trans-1,4-Dichloro-2-butene
Concen: 86.095 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN063931.D
Acq: 7 Oct 2020 7:30

Instrument :
MSVOA_N
ClientSampleId :
362-CONCRETE

Tot Ion: 75 Resp: 115669
Ion Ratio Lower Upper
75 100
53 0.1 88.2 132.2#
89 0.0 36.0 54.0#



#95
Naphthalene
Concen: 1.935 ug/l
RT: 15.11 min Scan# 4158
Delta R.T. 0.01 min
Lab File: VN063931.D
Acq: 7 Oct 2020 7:30

Tgt Ion: 128 Resp: 105
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

