

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
 Data File : VN087376.D
 Acq On : 21 Jul 2025 13:55
 Operator : JC\MD
 Sample : Q2641-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-CONCRETE001-01

Quant Time: Jul 22 03:07:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

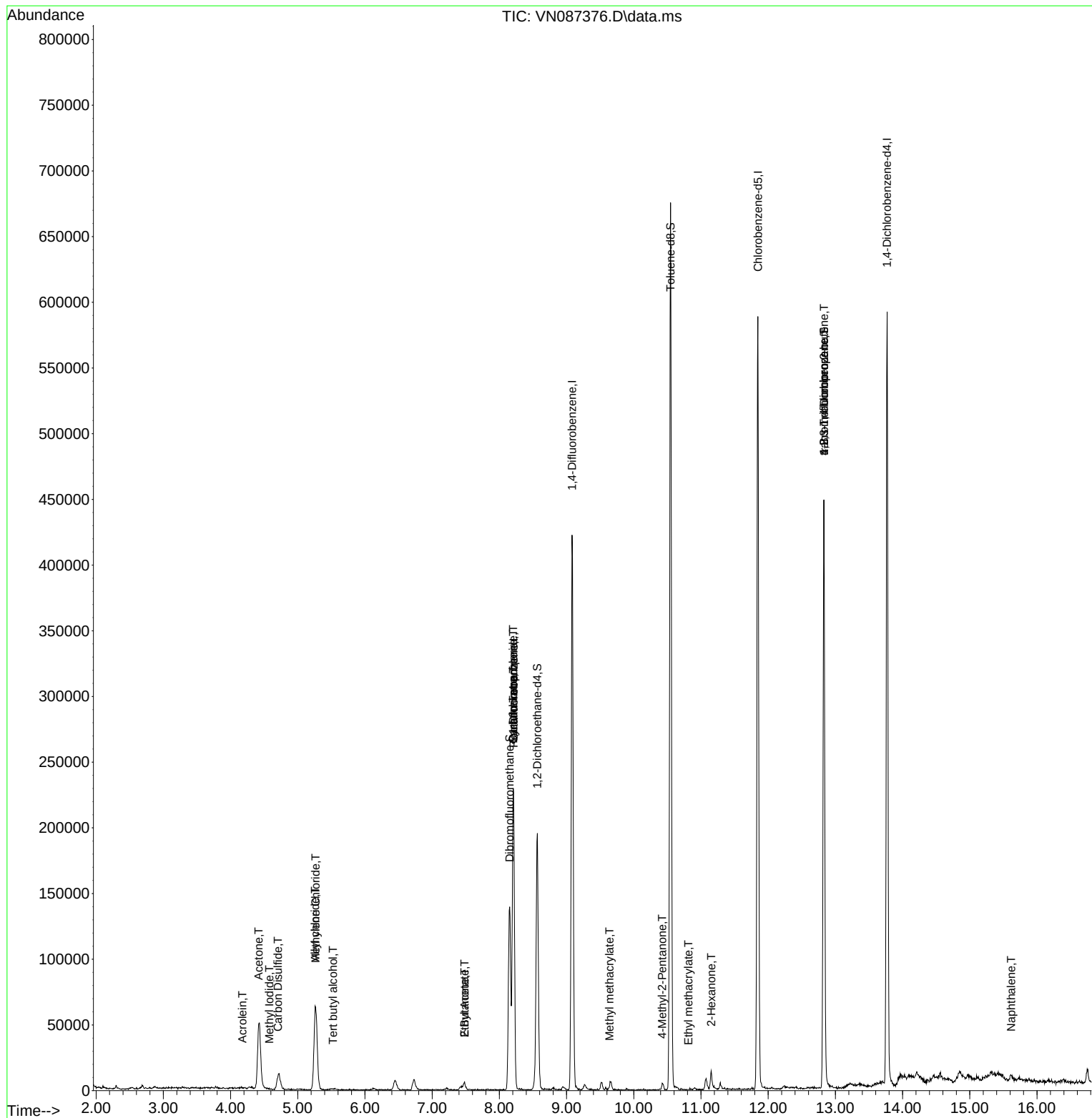
Internal Standards						
1) Pentafluorobenzene	8.212	168	166203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	349406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	328154	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	160877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	160661	56.970	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.940%			
35) Dibromofluoromethane	8.153	113	103816	43.074	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 86.140%			
50) Toluene-d8	10.547	98	437299	50.864	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.720%			
62) 4-Bromofluorobenzene	12.829	95	151913	47.826	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.660%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.577	142	89	5.677	ug/l #	40
11) Tert butyl alcohol	5.524	59	368	0.687	ug/l #	72
13) Acrolein	4.177	56	256	0.596	ug/l #	79
14) Allyl chloride	5.259	41	1958	0.570	ug/l #	21
16) Acetone	4.418	43	101556	76.804	ug/l	98
17) Carbon Disulfide	4.706	76	6479	1.152	ug/l	99
20) Methylene Chloride	5.265	84	50001	22.011	ug/l	94
25) 2-Butanone	7.482	43	9017	4.414	ug/l	93
31) Cyclohexane	8.206	56	4063	1.172	ug/l #	8
36) 1,1-Dichloropropene	8.206	75	15634	4.910	ug/l #	48
37) Ethyl Acetate	7.482	43	9017	1.961	ug/l #	70
38) Carbon Tetrachloride	8.206	117	18422	5.252	ug/l #	14
48) Methyl methacrylate	9.641	41	1492	0.464	ug/l #	33
51) 4-Methyl-2-Pentanone	10.423	43	4158	0.921	ug/l #	85
56) Ethyl methacrylate	10.812	69	54	0.648	ug/l #	24
59) 2-Hexanone	11.153	43	12283	4.100	ug/l #	25
76) 1,2,3-Trichloropropane	12.829	75	82667	22.915	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	82667	62.699	ug/l #	8
95) Naphthalene	15.617	128	4413	0.434	ug/l #	89

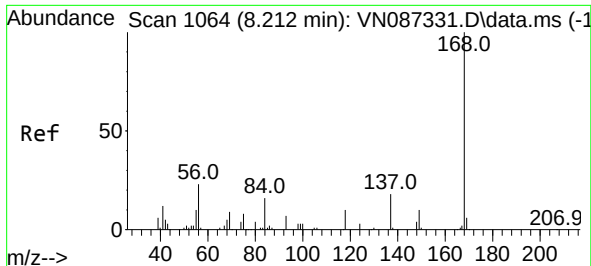
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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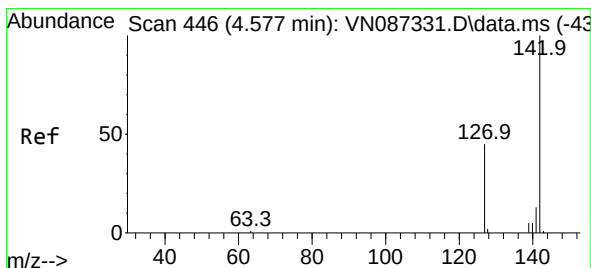
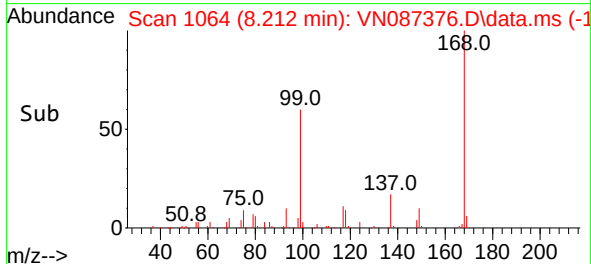
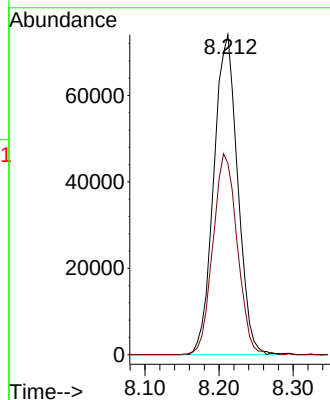
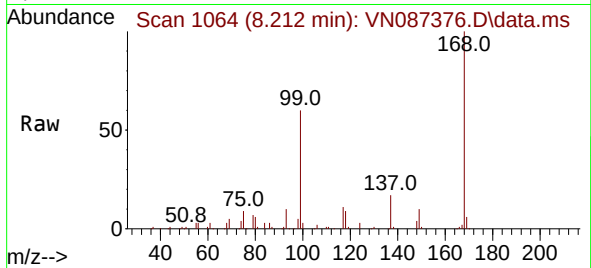




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087376.D
Acq: 21 Jul 2025 13:55

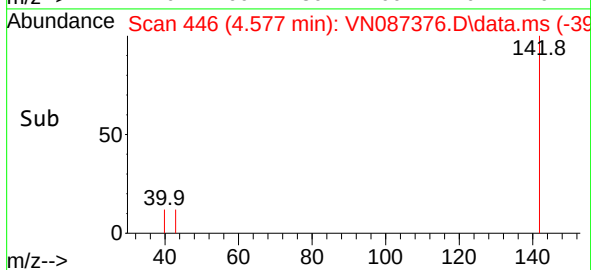
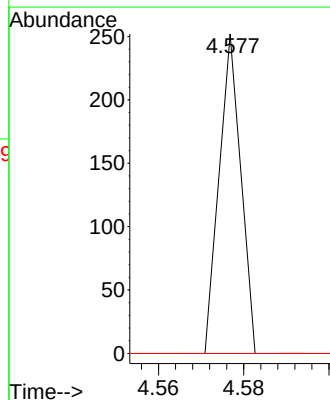
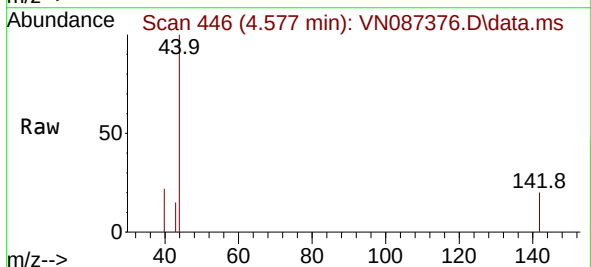
Instrument :
MSVOA_N
ClientSampleId :
P001-CONCRETE001-01

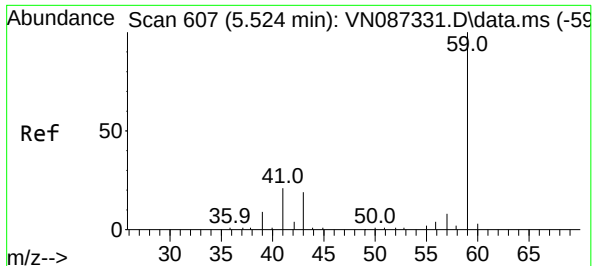
Tgt Ion:168 Resp: 166203
Ion Ratio Lower Upper
168 100
99 59.8 47.9 71.9



#10
Methyl Iodide
Concen: 5.677 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.000 min
Lab File: VN087376.D
Acq: 21 Jul 2025 13:55

Tgt Ion:142 Resp: 89
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 10.4 15.6#

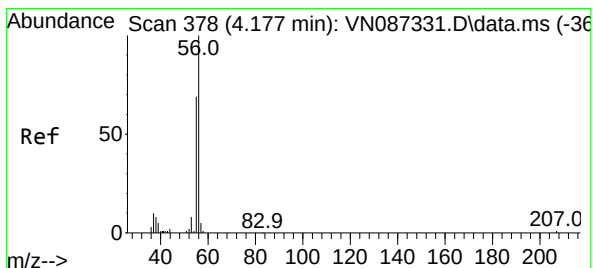
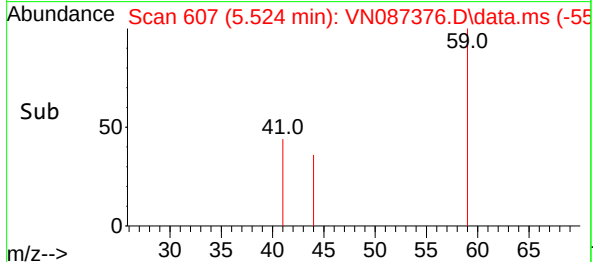
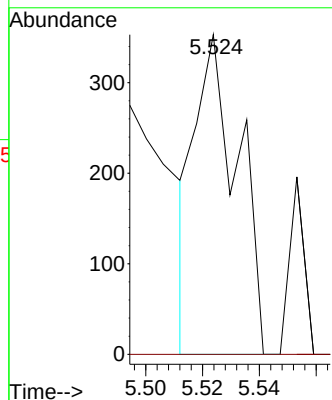
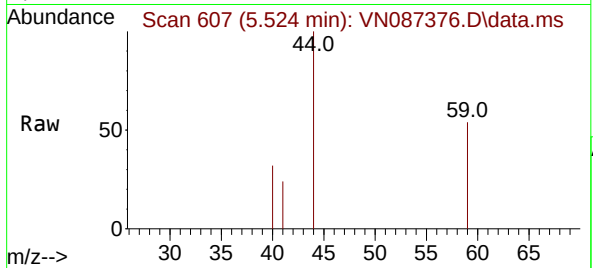




#11
Tert butyl alcohol
Concen: 0.687 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN087376.D
Acq: 21 Jul 2025 13:55

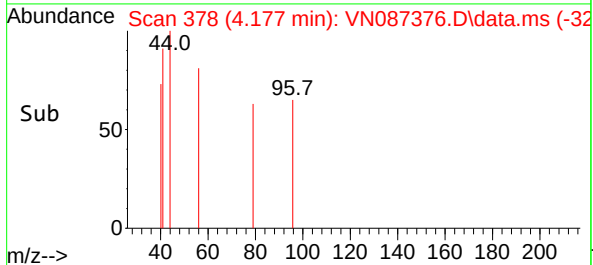
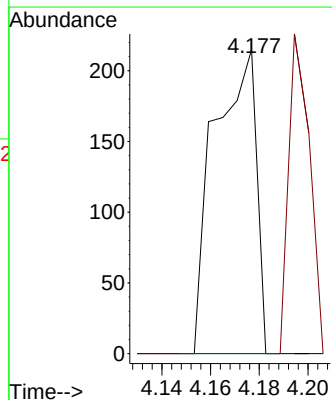
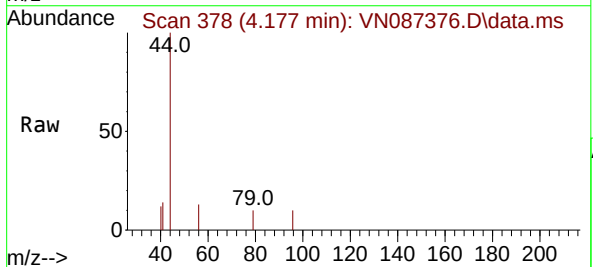
Instrument :
MSVOA_N
ClientSampleId :
P001-CONCRETE001-01

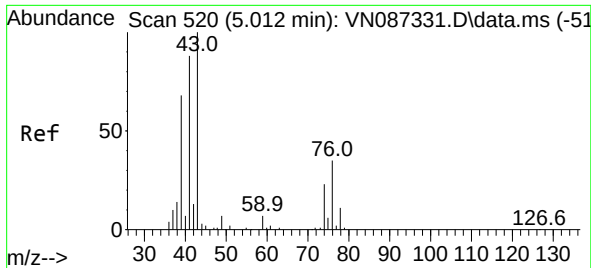
Tgt Ion: 59 Resp: 368
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.596 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN087376.D
Acq: 21 Jul 2025 13:55

Tgt Ion: 56 Resp: 256
Ion Ratio Lower Upper
56 100
55 52.7 56.2 84.4#

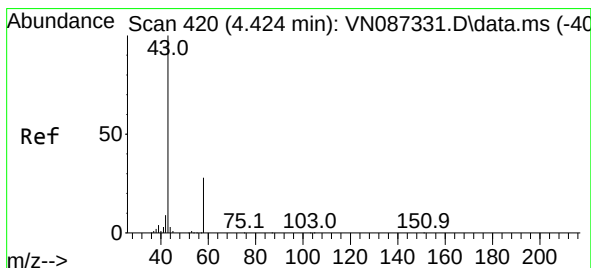
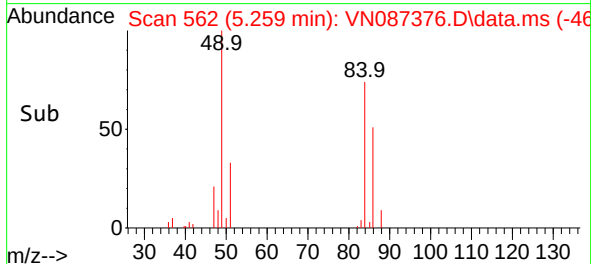
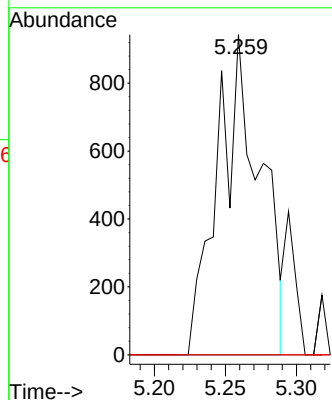
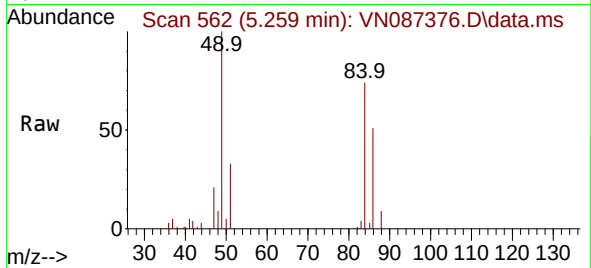




#14
 Allyl chloride
 Concen: 0.570 ug/l
 RT: 5.259 min Scan# 501
 Delta R.T. 0.247 min
 Lab File: VN087376.D
 Acq: 21 Jul 2025 13:55

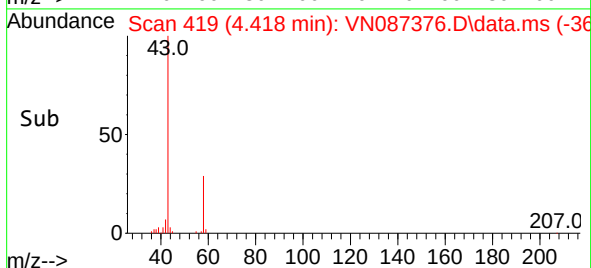
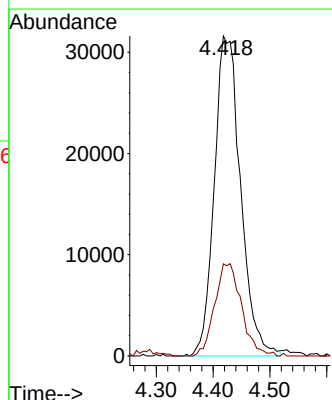
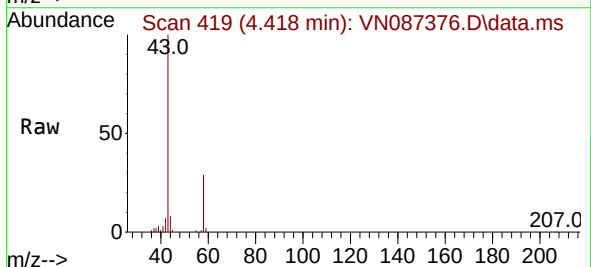
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-CONCRETE001-01

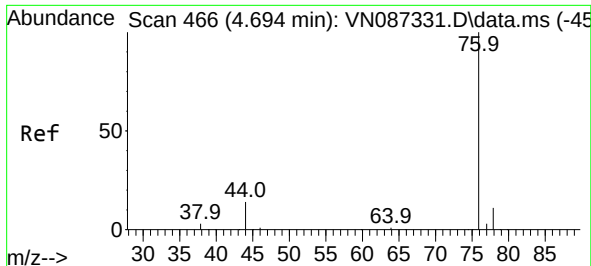
Tgt Ion: 41 Resp: 1958
 Ion Ratio Lower Upper
 41 100
 39 0.0 59.0 88.6#
 76 0.0 28.7 43.1#



#16
 Acetone
 Concen: 76.804 ug/l
 RT: 4.418 min Scan# 419
 Delta R.T. -0.006 min
 Lab File: VN087376.D
 Acq: 21 Jul 2025 13:55

Tgt Ion: 43 Resp: 101556
 Ion Ratio Lower Upper
 43 100
 58 28.8 22.3 33.5

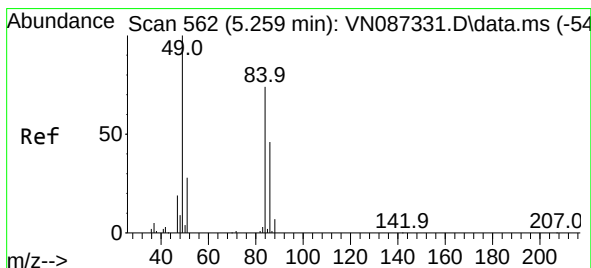
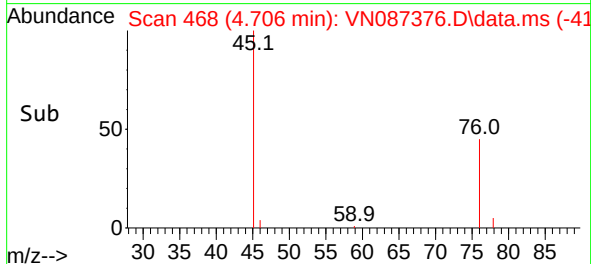
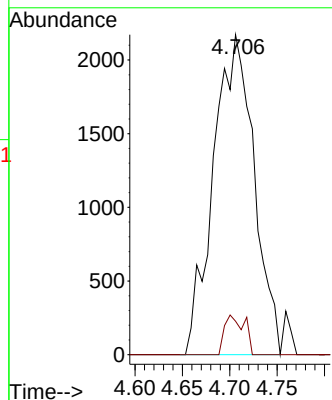
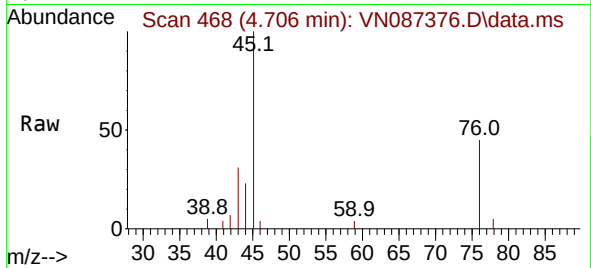




#17
Carbon Disulfide
Concen: 1.152 ug/l
RT: 4.706 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN087376.D
Acq: 21 Jul 2025 13:55

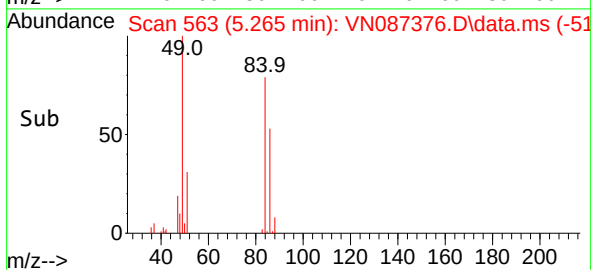
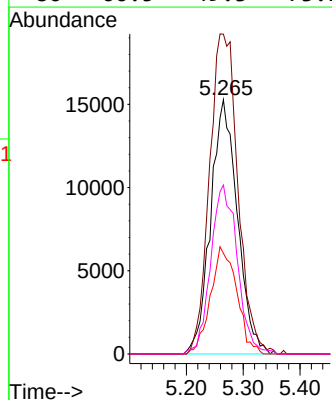
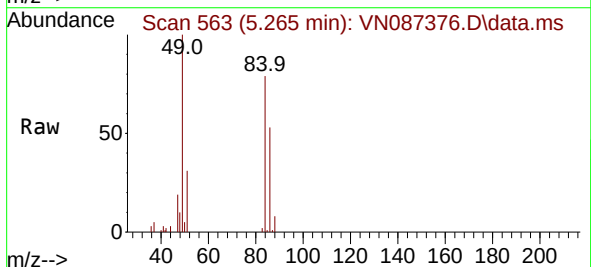
Instrument :
MSVOA_N
ClientSampleId :
P001-CONCRETE001-01

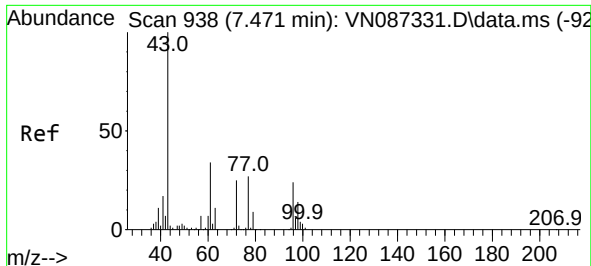
Tgt Ion: 76 Resp: 6479
Ion Ratio Lower Upper
76 100
78 10.5 8.6 13.0



#20
Methylene Chloride
Concen: 22.011 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.006 min
Lab File: VN087376.D
Acq: 21 Jul 2025 13:55

Tgt Ion: 84 Resp: 50001
Ion Ratio Lower Upper
84 100
49 125.8 107.5 161.3
51 39.6 30.2 45.2
86 66.5 49.3 73.9

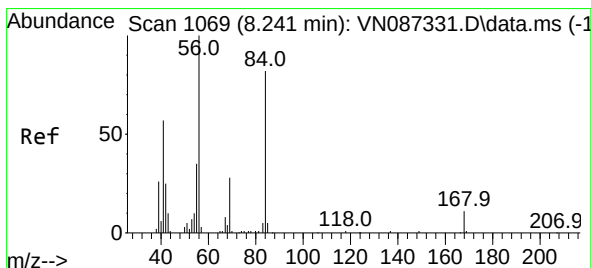
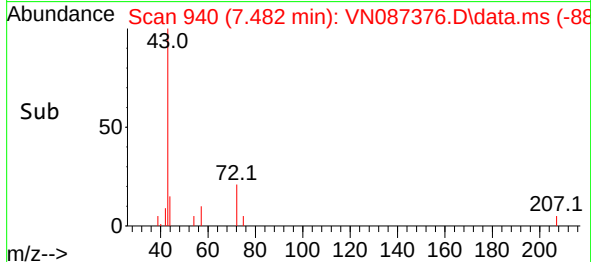
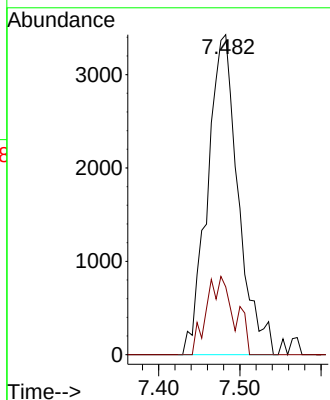
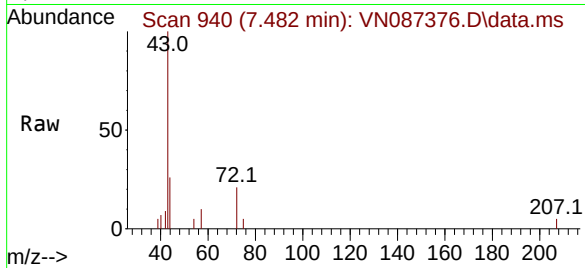




#25
2-Butanone
Concen: 4.414 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN087376.D
Acq: 21 Jul 2025 13:55

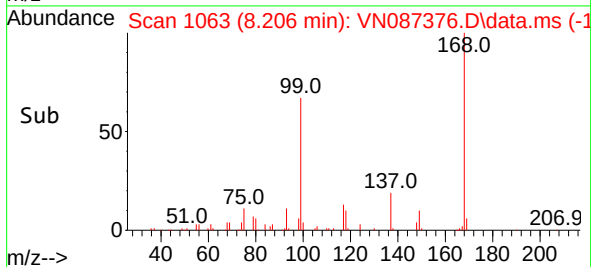
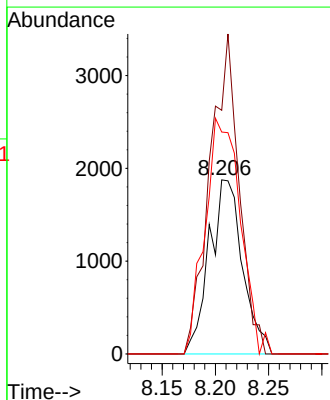
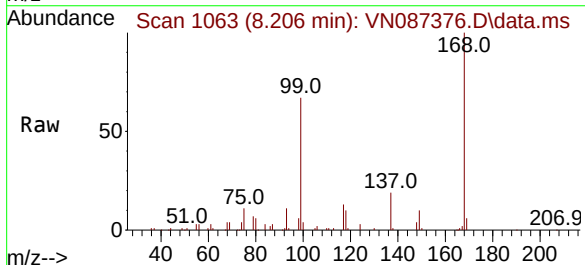
Instrument :
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P001-CONCRETE001-01

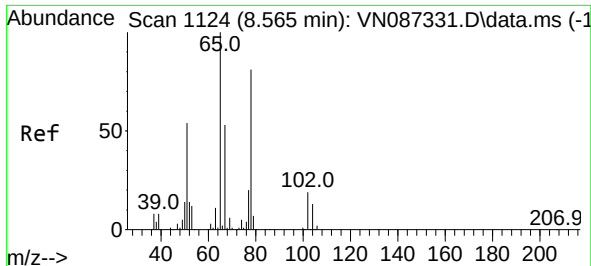
Tgt Ion: 43 Resp: 9017
Ion Ratio Lower Upper
43 100
72 21.2 19.6 29.4



#31
Cyclohexane
Concen: 1.172 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.035 min
Lab File: VN087376.D
Acq: 21 Jul 2025 13:55

Tgt Ion: 56 Resp: 4063
Ion Ratio Lower Upper
56 100
69 140.0 22.7 34.1#
84 127.4 65.8 98.6#





#33

1,2-Dichloroethane-d4

Concen: 56.970 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087376.D

Acq: 21 Jul 2025 13:55

Instrument :

MSVOA_N

ClientSampleId :

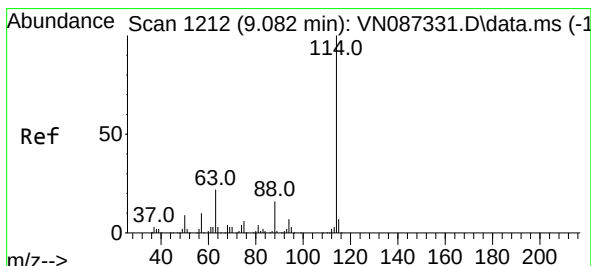
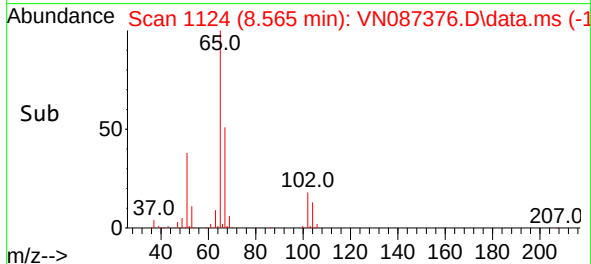
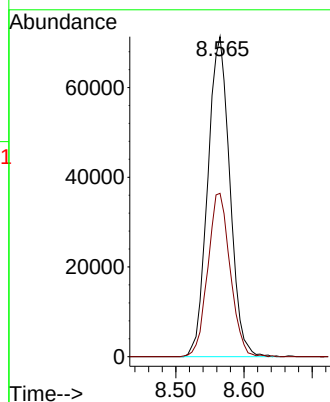
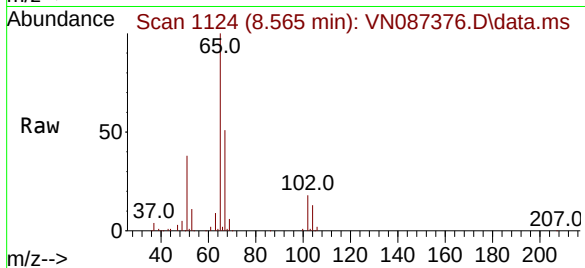
P001-CONCRETE001-01

Tgt Ion: 65 Resp: 160661

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087376.D

Acq: 21 Jul 2025 13:55

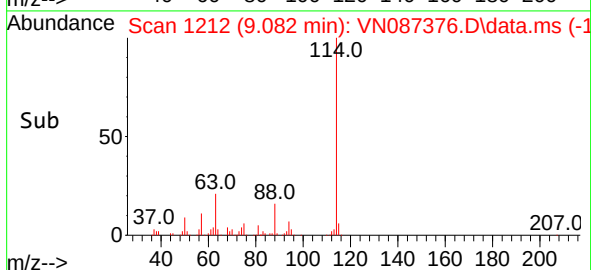
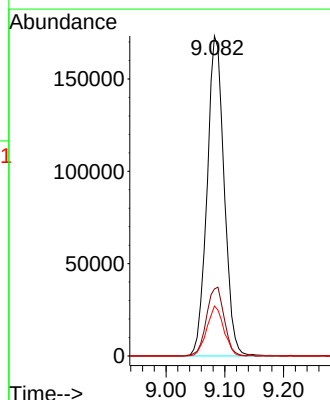
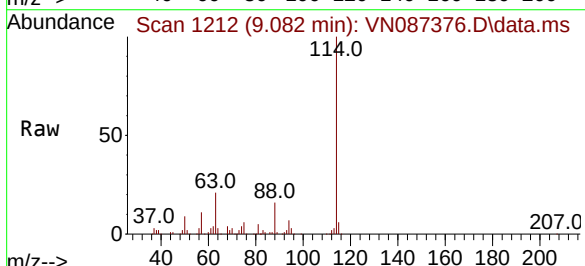
Tgt Ion: 114 Resp: 349406

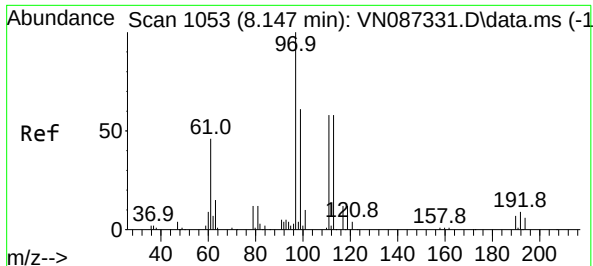
Ion Ratio Lower Upper

114 100

63 21.0 0.0 44.6

88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 43.074 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087376.D

Acq: 21 Jul 2025 13:55

Instrument :

MSVOA_N

ClientSampleId :

P001-CONCRETE001-01

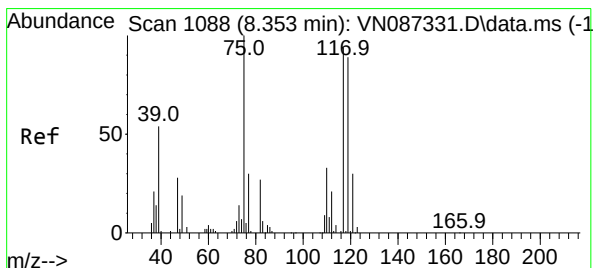
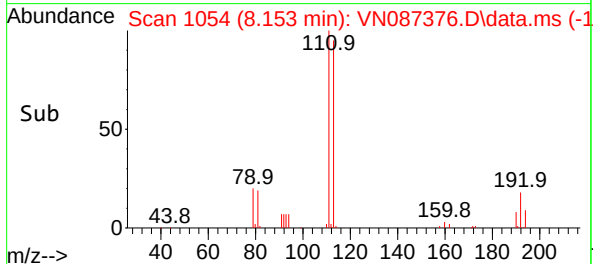
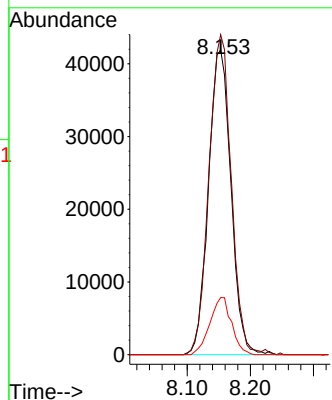
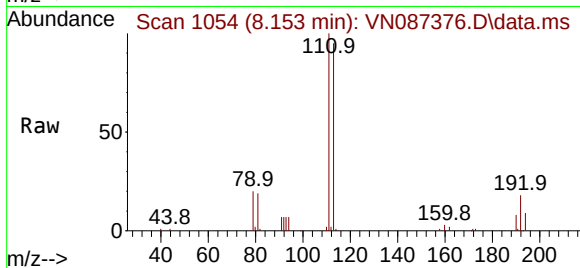
Tgt Ion:113 Resp: 103816

Ion Ratio Lower Upper

113 100

111 104.1 82.5 123.7

192 18.1 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.910 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087376.D

Acq: 21 Jul 2025 13:55

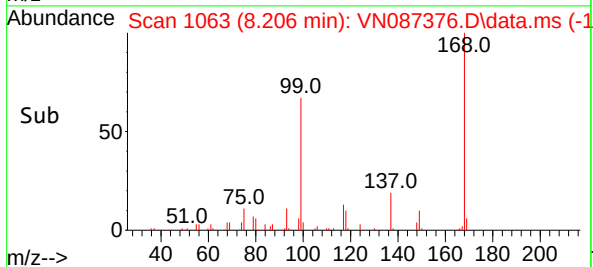
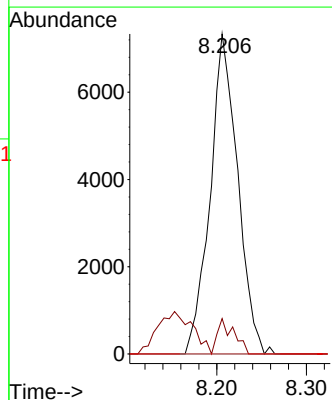
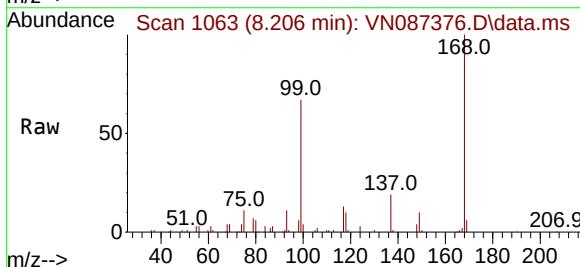
Tgt Ion: 75 Resp: 15634

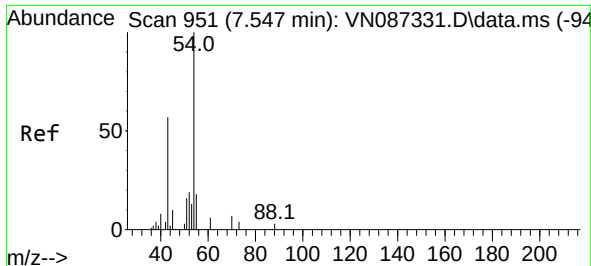
Ion Ratio Lower Upper

75 100

110 6.6 16.7 50.1#

77 0.0 25.2 37.8#

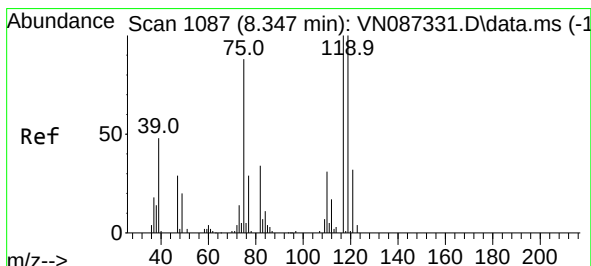
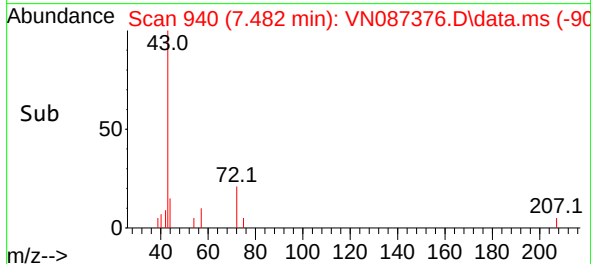
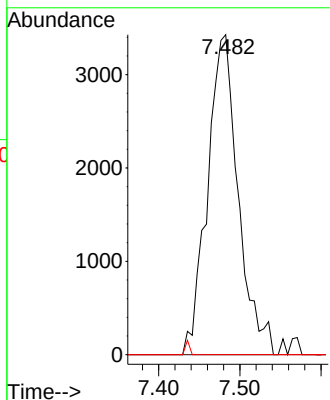
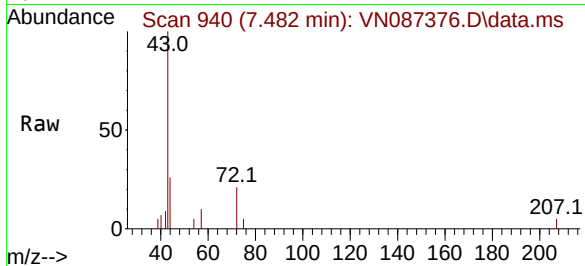




#37
Ethyl Acetate
Concen: 1.961 ug/l
RT: 7.482 min Scan# 941
Delta R.T. -0.065 min
Lab File: VN087376.D
Acq: 21 Jul 2025 13:55

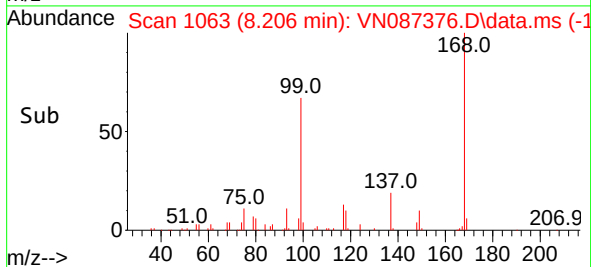
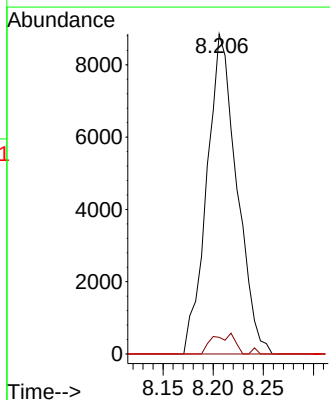
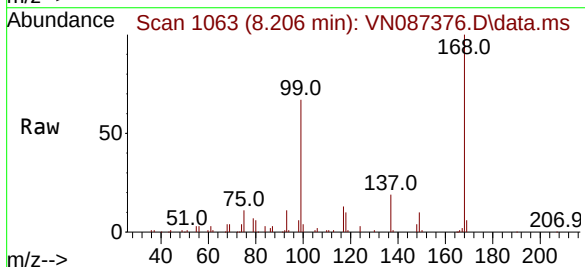
Instrument :
MSVOA_N
ClientSampleId :
P001-CONCRETE001-01

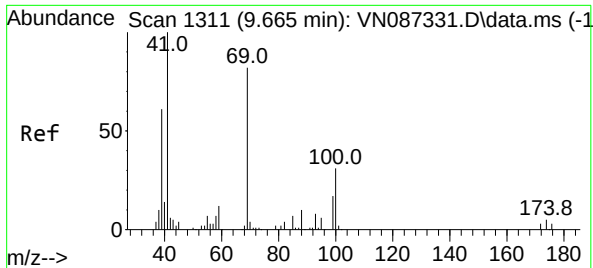
Tgt Ion: 43 Resp: 9017
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.4 11.0#



#38
Carbon Tetrachloride
Concen: 5.252 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.141 min
Lab File: VN087376.D
Acq: 21 Jul 2025 13:55

Tgt Ion: 117 Resp: 18422
Ion Ratio Lower Upper
117 100
119 5.2 80.2 120.2#
121 0.0 25.4 38.2#

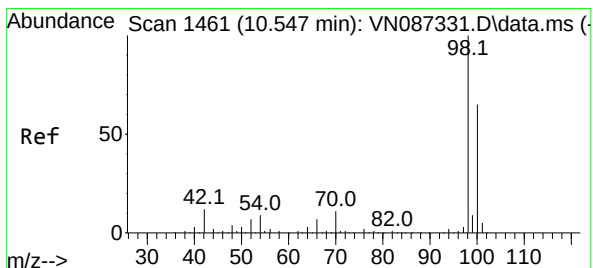
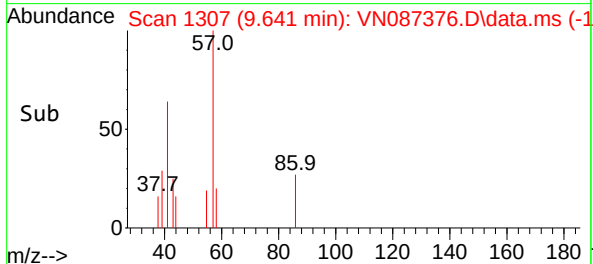
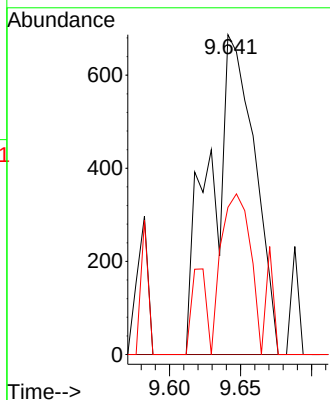
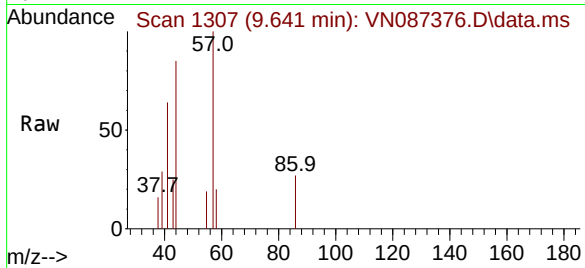




#48
Methyl methacrylate
Concen: 0.464 ug/l
RT: 9.641 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN087376.D
Acq: 21 Jul 2025 13:55

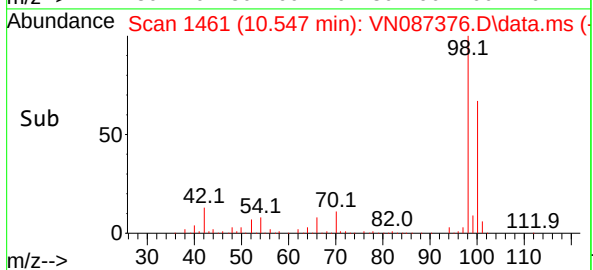
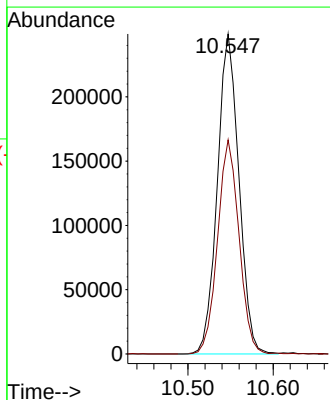
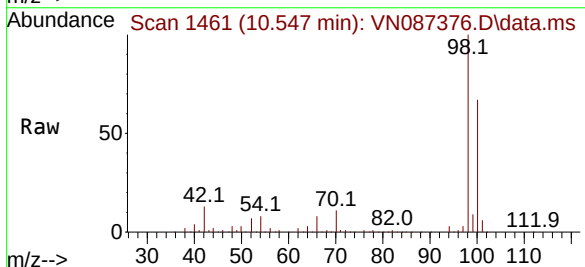
Instrument :
MSVOA_N
ClientSampleId :
P001-CONCRETE001-01

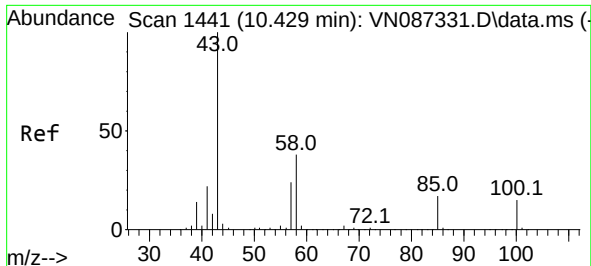
Tgt Ion: 41 Resp: 1492
Ion Ratio Lower Upper
41 100
69 0.0 64.1 96.1#
39 32.9 45.5 68.3#



#50
Toluene-d8
Concen: 50.864 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087376.D
Acq: 21 Jul 2025 13:55

Tgt Ion: 98 Resp: 437299
Ion Ratio Lower Upper
98 100
100 66.7 52.1 78.1

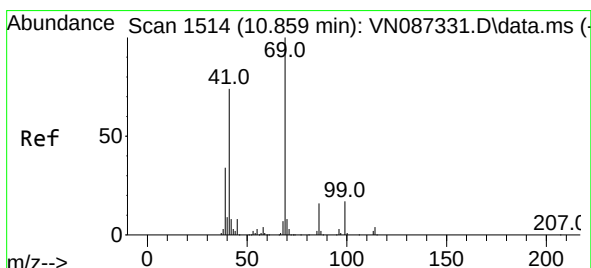
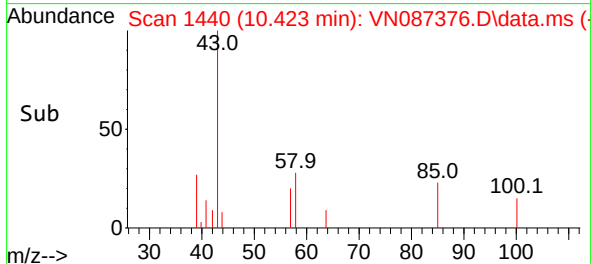
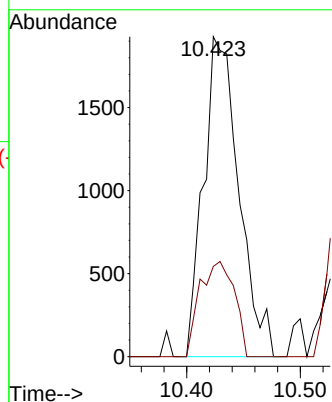
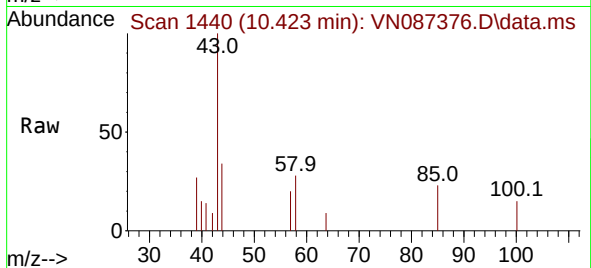




#51
4-Methyl-2-Pentanone
Concen: 0.921 ug/l
RT: 10.423 min Scan# 1440
Delta R.T. -0.006 min
Lab File: VN087376.D
Acq: 21 Jul 2025 13:55

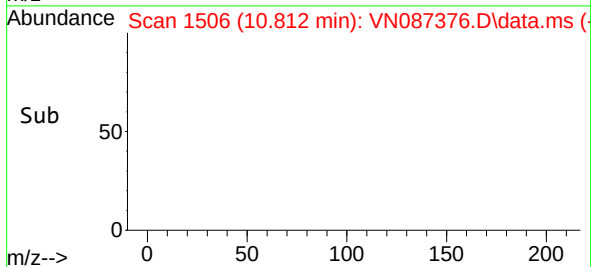
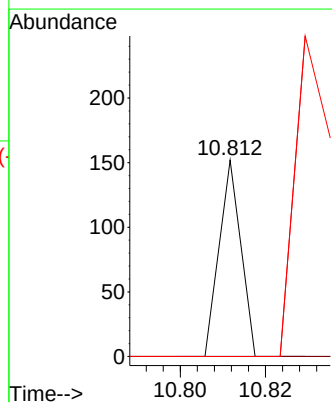
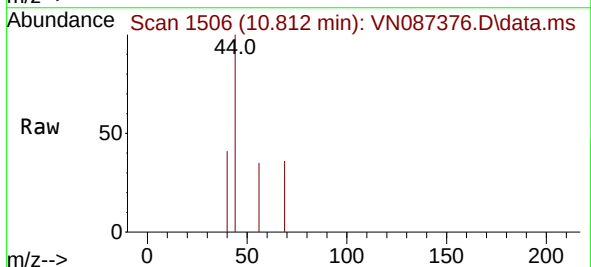
Instrument :
MSVOA_N
ClientSampleId :
P001-CONCRETE001-01

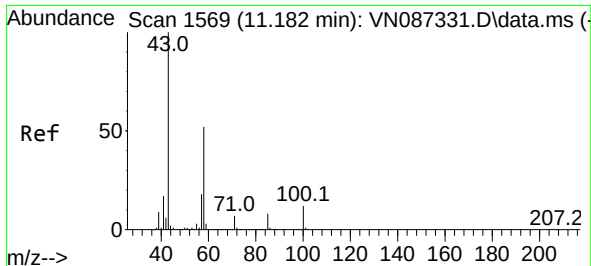
Tgt Ion: 43 Resp: 4158
Ion Ratio Lower Upper
43 100
58 29.1 30.8 46.2#



#56
Ethyl methacrylate
Concen: 0.648 ug/l
RT: 10.812 min Scan# 1506
Delta R.T. -0.047 min
Lab File: VN087376.D
Acq: 21 Jul 2025 13:55

Tgt Ion: 69 Resp: 54
Ion Ratio Lower Upper
69 100
41 0.0 55.1 82.7#
39 0.0 27.9 41.9#

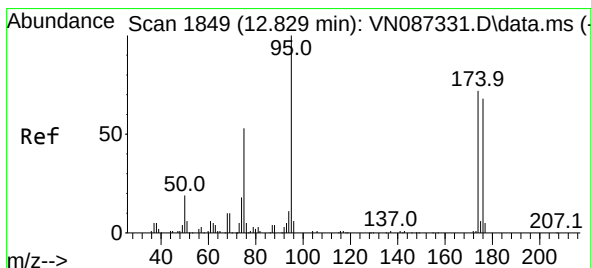
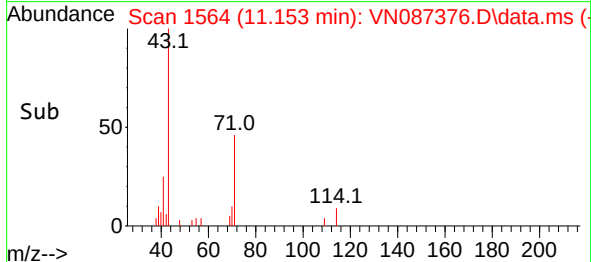
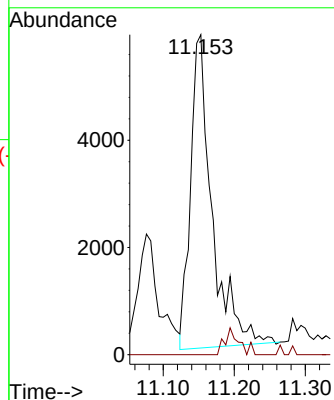
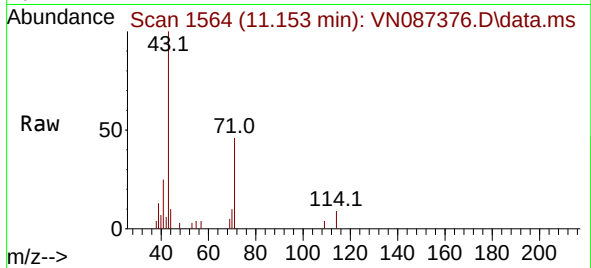




#59
2-Hexanone
Concen: 4.100 ug/l
RT: 11.153 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN087376.D
Acq: 21 Jul 2025 13:55

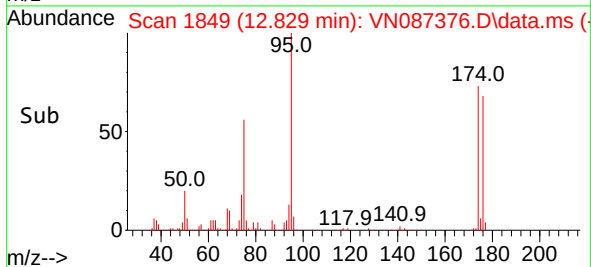
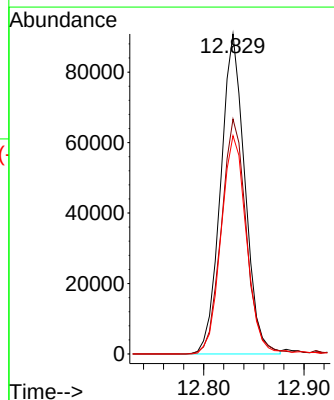
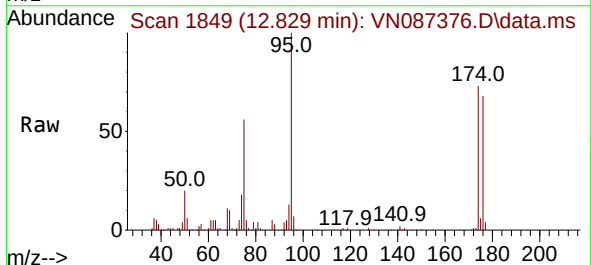
Instrument :
MSVOA_N
ClientSampleId :
P001-CONCRETE001-01

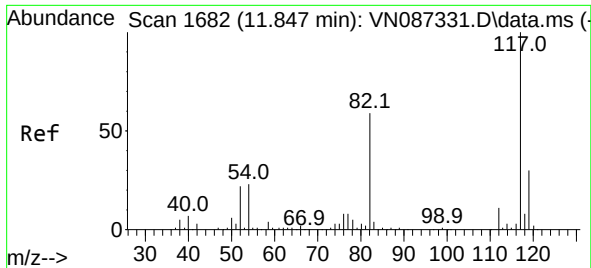
Tgt Ion: 43 Resp: 12283
Ion Ratio Lower Upper
43 100
58 0.0 26.7 80.0#



#62
4-Bromofluorobenzene
Concen: 47.826 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087376.D
Acq: 21 Jul 2025 13:55

Tgt Ion: 95 Resp: 151913
Ion Ratio Lower Upper
95 100
174 76.1 0.0 149.4
176 72.0 0.0 141.2

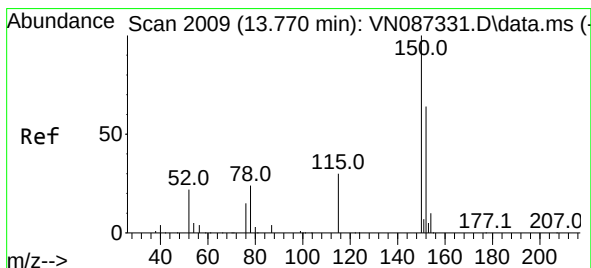
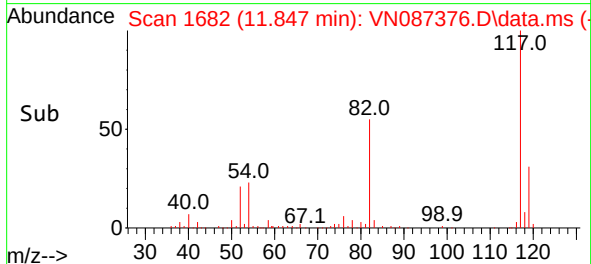
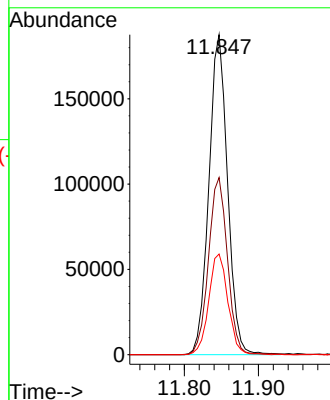
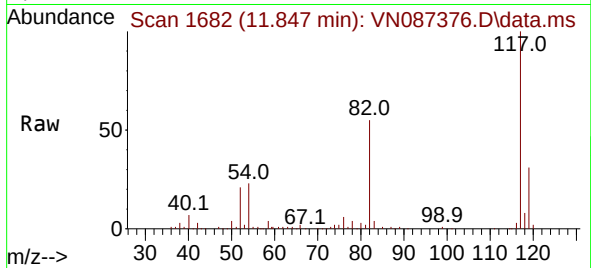




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087376.D
Acq: 21 Jul 2025 13:55

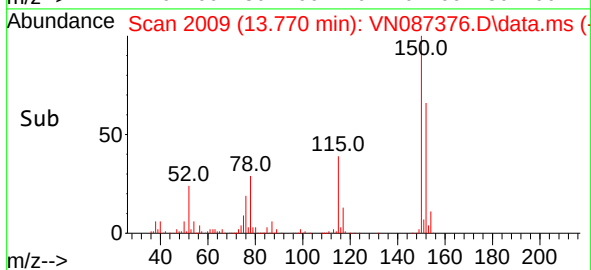
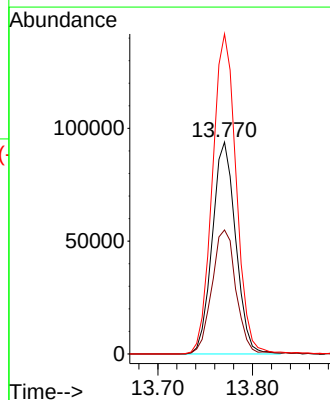
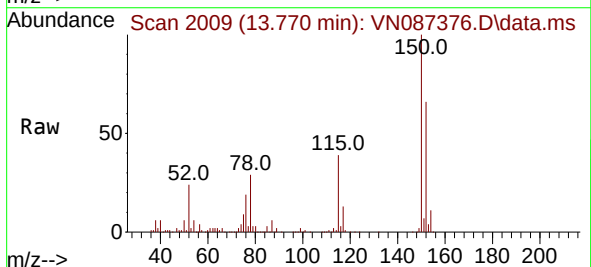
Instrument :
MSVOA_N
ClientSampleId :
P001-CONCRETE001-01

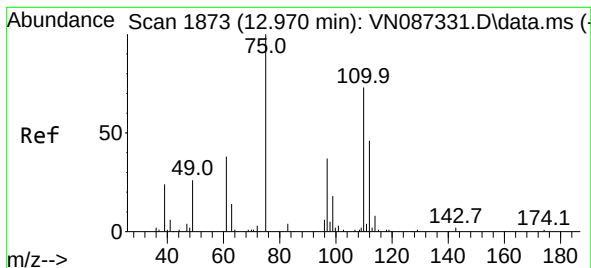
Tgt Ion:117 Resp: 328154
Ion Ratio Lower Upper
117 100
82 55.3 47.4 71.2
119 31.4 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087376.D
Acq: 21 Jul 2025 13:55

Tgt Ion:152 Resp: 160877
Ion Ratio Lower Upper
152 100
115 60.8 31.1 93.5
150 153.8 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 22.915 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087376.D

Acq: 21 Jul 2025 13:55

Instrument :

MSVOA_N

ClientSampleId :

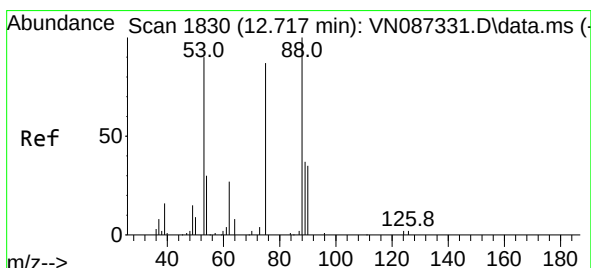
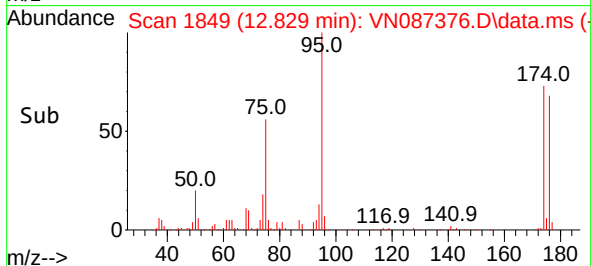
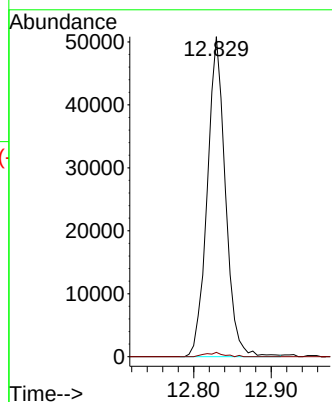
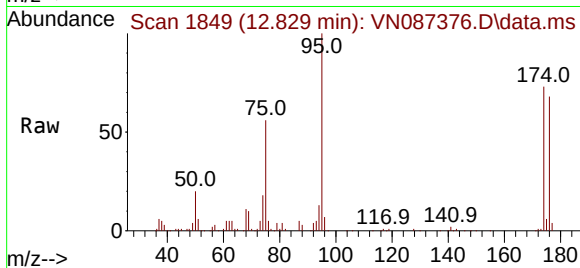
P001-CONCRETE001-01

Tgt Ion: 75 Resp: 82667

Ion Ratio Lower Upper

75 100

77 1.3 94.5 283.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.699 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.112 min

Lab File: VN087376.D

Acq: 21 Jul 2025 13:55

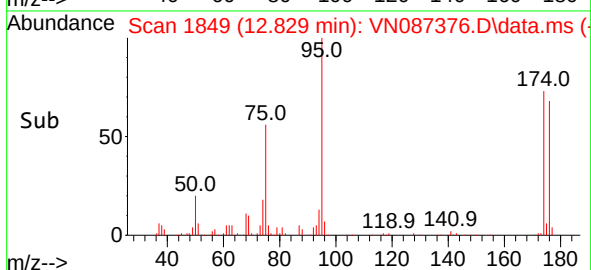
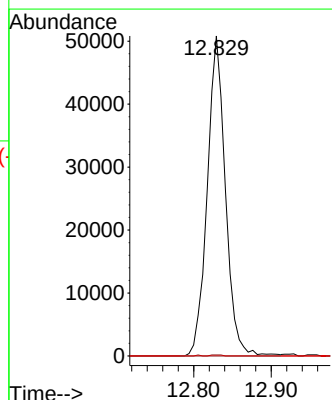
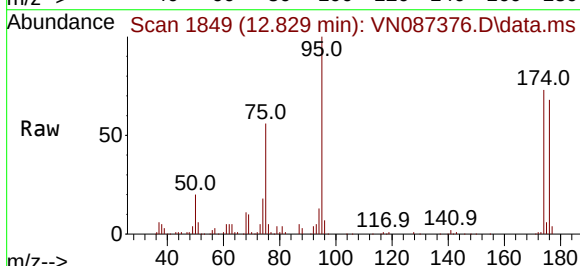
Tgt Ion: 75 Resp: 82667

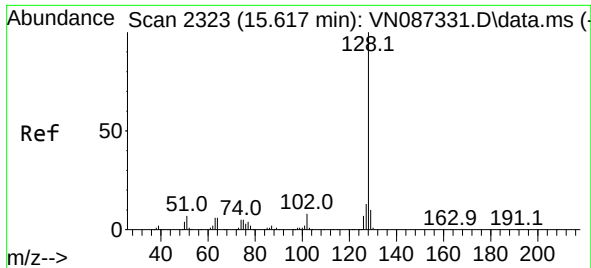
Ion Ratio Lower Upper

75 100

53 0.2 83.5 125.3#

89 0.0 38.4 57.6#





#95

Naphthalene

Concen: 0.434 ug/l

RT: 15.617 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN087376.D

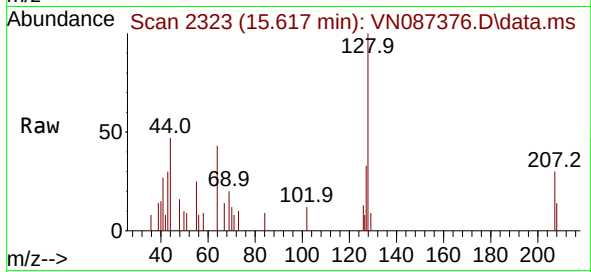
Acq: 21 Jul 2025 13:55

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion:128 Resp: 4413

Ion Ratio Lower Upper

128 100

127 16.6 10.5 15.7#

129 16.0 8.4 12.6#

