

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031124\
 Data File : VN081363.D
 Acq On : 11 Mar 2024 15:04
 Operator : JC\MD
 Sample : P1724-04 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 380

Quant Time: Mar 12 04:54:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 03:12:57 2024
 Response via : Initial Calibration

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

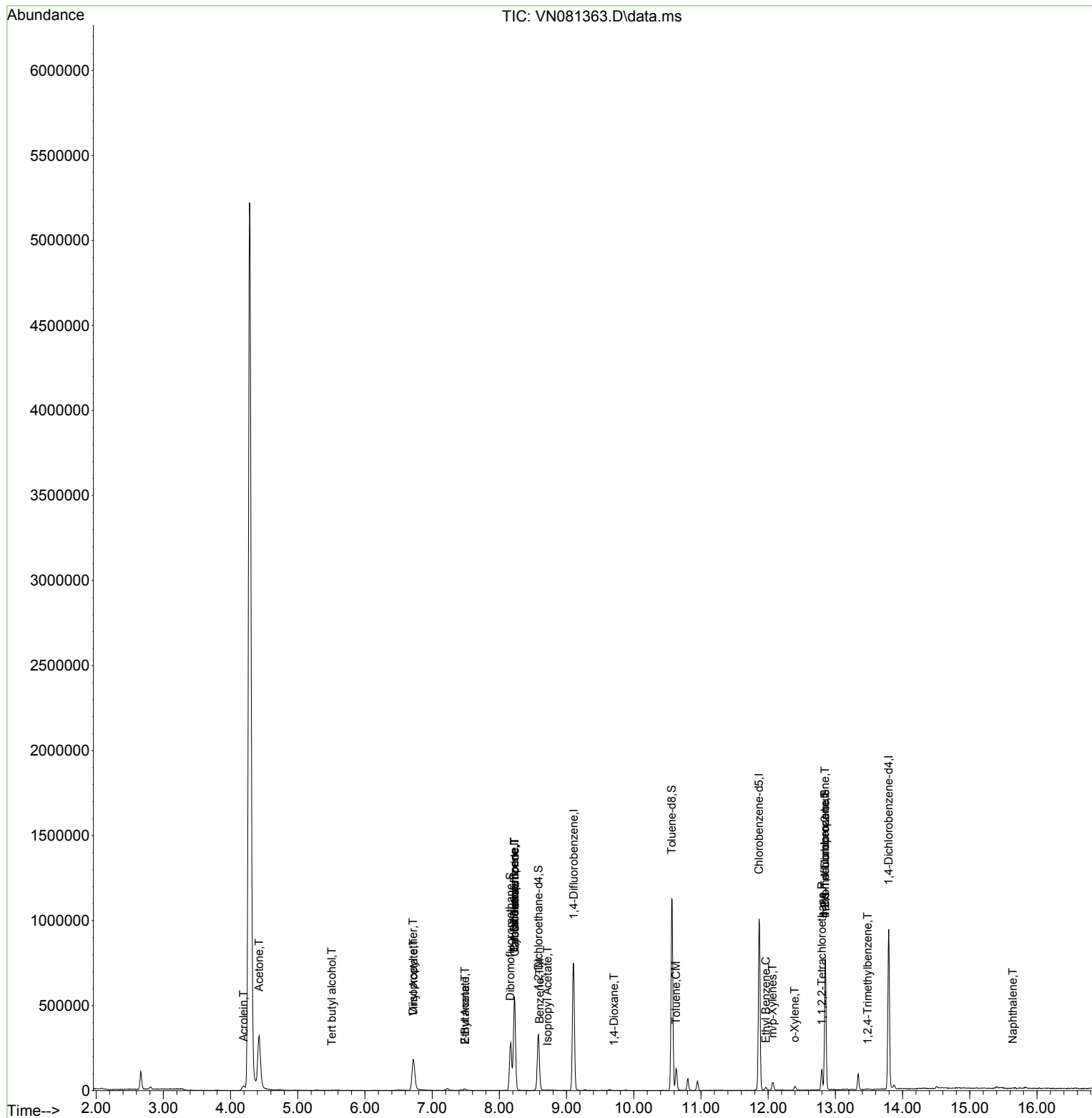
Internal Standards						
1) Pentafluorobenzene	8.224	168	378157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	663840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	570846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	233615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	263266	48.149	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.300%		
35) Dibromofluoromethane	8.165	113	200339	49.258	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.520%		
50) Toluene-d8	10.565	98	780407	51.329	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.660%		
62) 4-Bromofluorobenzene	12.847	95	263121	48.965	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	97.940%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.506	59	424	0.443	ug/l #	80
13) Acrolein	4.195	56	37474	33.101	ug/l	96
16) Acetone	4.424	43	555578	286.788	ug/l	91
20) Methylene Chloride	5.283	84	1402	Below Cal	#	65
22) Diisopropyl ether	6.718	45	15513	1.068	ug/l #	1
23) Vinyl Acetate	6.724	43	36777	3.116	ug/l #	75
25) 2-Butanone	7.488	43	14262	4.396	ug/l	99
31) Cyclohexane	8.224	56	10420	1.259	ug/l #	5
36) 1,1-Dichloropropene	8.224	75	34516	5.260	ug/l #	44
37) Ethyl Acetate	7.488	43	14262	2.224	ug/l #	70
38) Carbon Tetrachloride	8.230	117	42336	6.411	ug/l #	18
40) Benzene	8.600	78	5001	0.255	ug/l	94
43) Isopropyl Acetate	8.718	43	2704	0.241	ug/l #	57
49) 1,4-Dioxane	9.706	88	230	2.103	ug/l #	54
52) Toluene	10.629	92	54065	4.570	ug/l	98
67) Ethyl Benzene	11.965	91	11112	0.513	ug/l #	89
68) m/p-Xylenes	12.065	106	14559	1.785	ug/l	97
69) o-Xylene	12.394	106	5460	0.691	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.800	83	54105	9.294	ug/l #	32
76) 1,2,3-Trichloropropane	12.847	75	143683	26.039	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	143683	72.671	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.482	105	3615	0.229	ug/l	94
95) Naphthalene	15.641	128	4165	0.270	ug/l	98

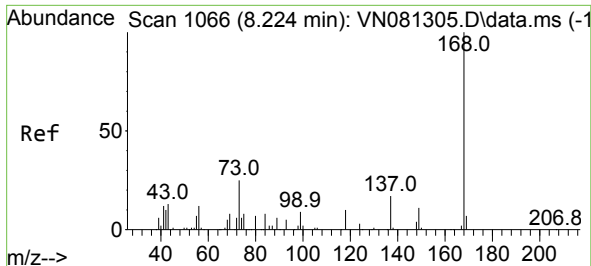
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 06 03:12:57 2024
Response via : Initial Calibration

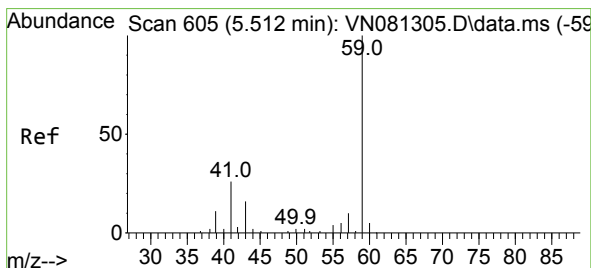
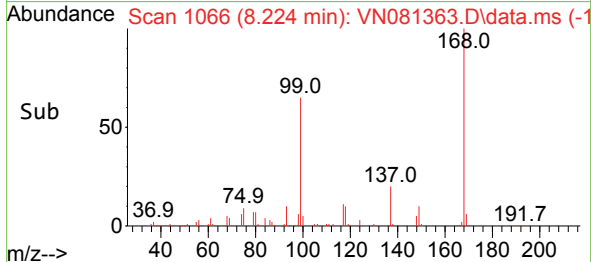
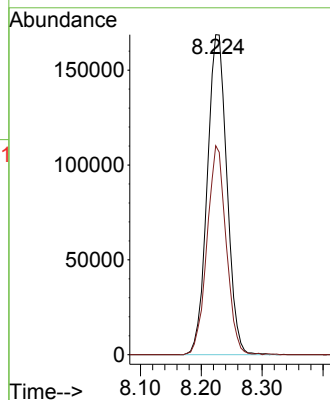
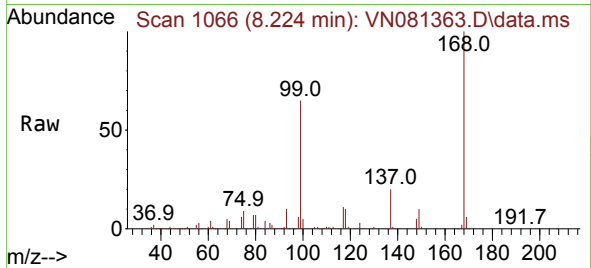




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

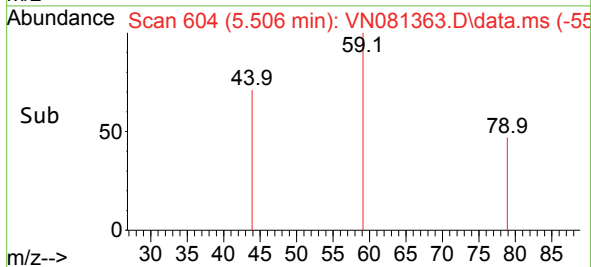
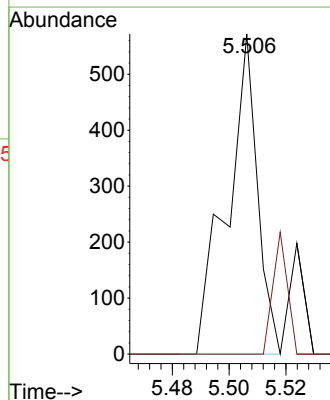
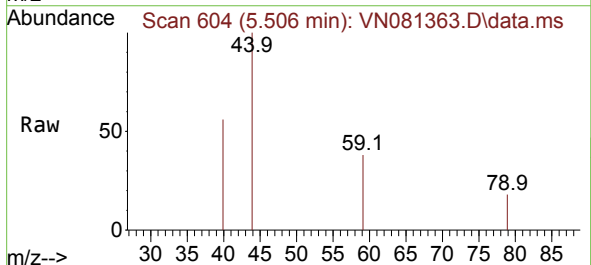
Instrument :
MSVOA_N
ClientSampleId :
380

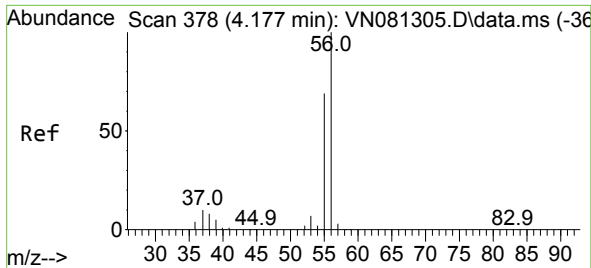
Tgt Ion:168 Resp: 378157
Ion Ratio Lower Upper
168 100
99 65.3 59.9 89.9



#11
Tert butyl alcohol
Concen: 0.443 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.006 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

Tgt Ion: 59 Resp: 424
Ion Ratio Lower Upper
59 100
57 18.2 8.6 12.8#

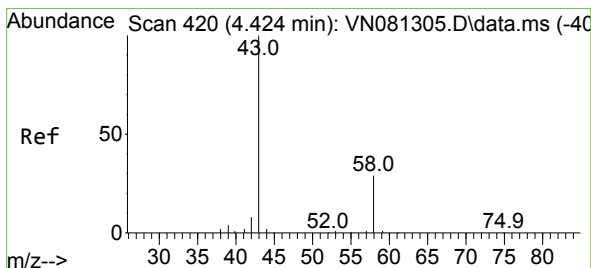
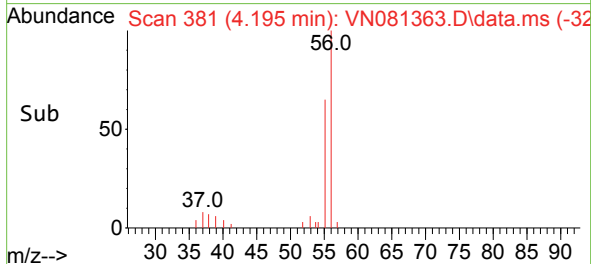
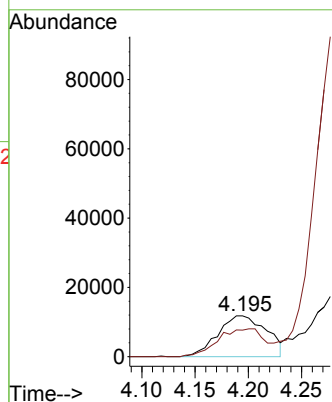
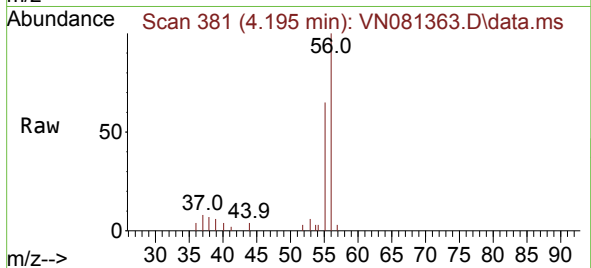




#13
Acrolein
Concen: 33.101 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

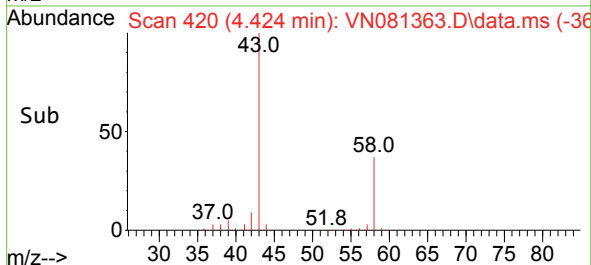
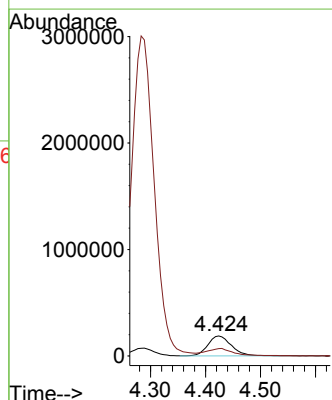
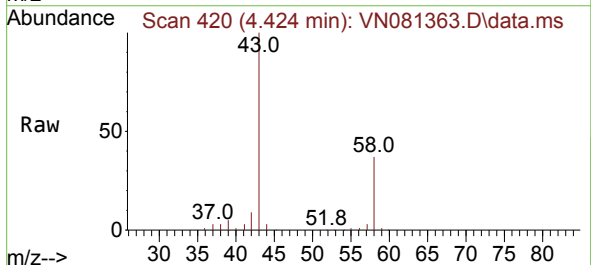
Instrument :
MSVOA_N
ClientSampleId :
380

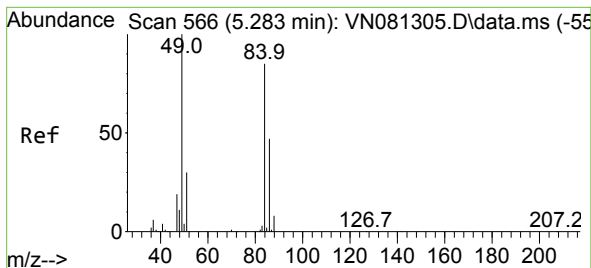
Tgt Ion: 56 Resp: 37474
Ion Ratio Lower Upper
56 100
55 66.0 55.3 82.9



#16
Acetone
Concen: 286.788 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

Tgt Ion: 43 Resp: 555578
Ion Ratio Lower Upper
43 100
58 35.9 24.8 37.2





#20

Methylene Chloride

Concen: Below Cal

RT: 5.283 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN081363.D

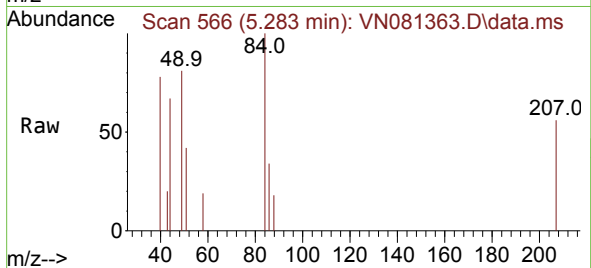
Acq: 11 Mar 2024 15:04

Instrument :

MSVOA_N

ClientSampleId :

380



Tgt Ion: 84 Resp: 1402

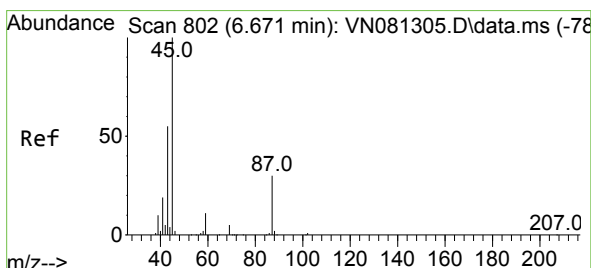
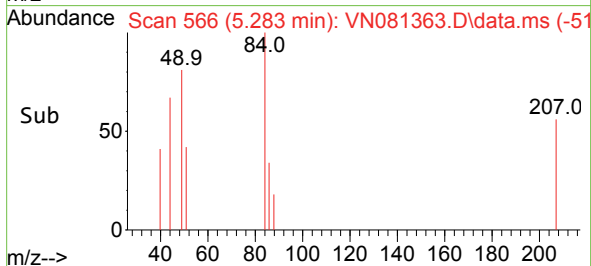
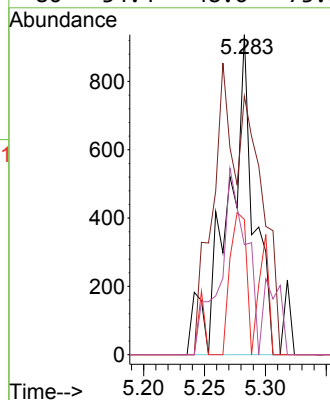
Ion Ratio Lower Upper

84 100

49 80.8 108.1 162.1#

51 42.3 32.9 49.3

86 34.4 48.6 73.0#



#22

Diisopropyl ether

Concen: 1.068 ug/l

RT: 6.718 min Scan# 810

Delta R.T. 0.047 min

Lab File: VN081363.D

Acq: 11 Mar 2024 15:04

Tgt Ion: 45 Resp: 15513

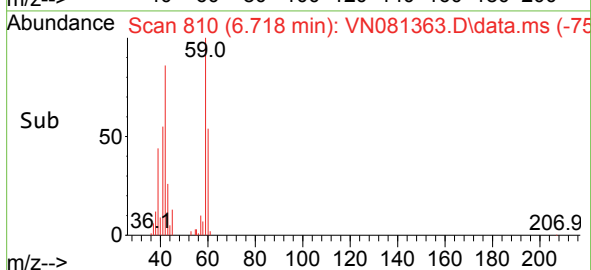
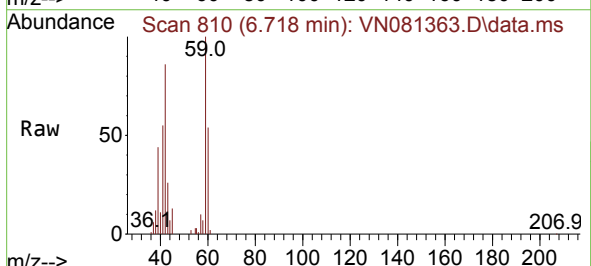
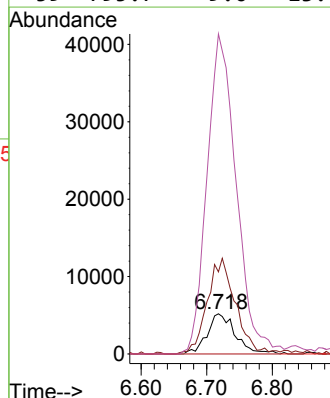
Ion Ratio Lower Upper

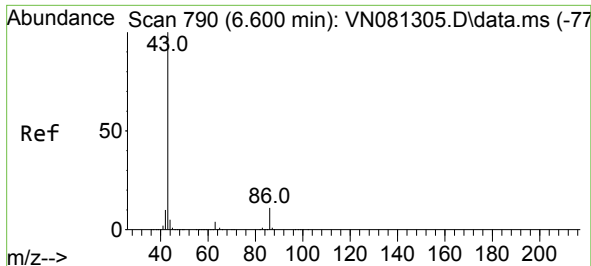
45 100

43 200.8 41.8 62.8#

87 0.0 18.1 27.1#

59 795.7 9.0 13.6#

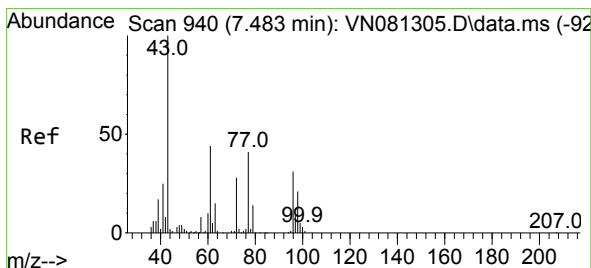
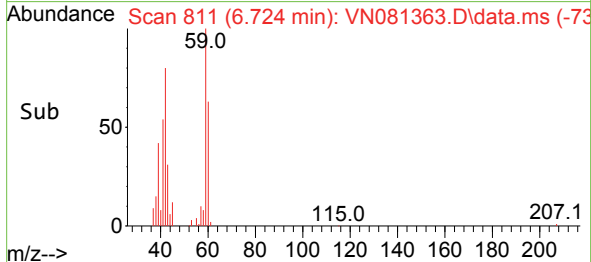
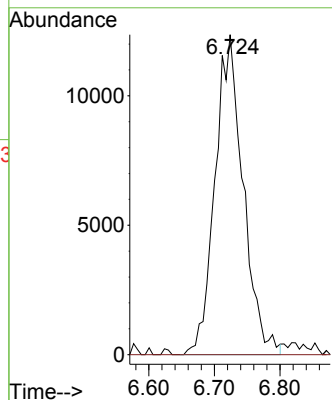
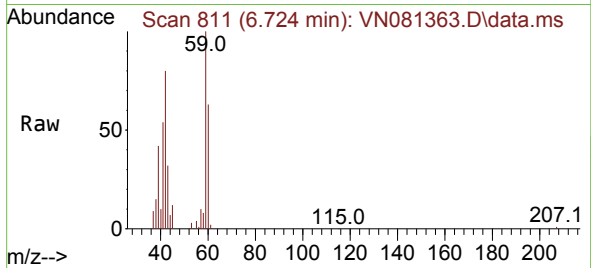




#23
 Vinyl Acetate
 Concen: 3.116 ug/l
 RT: 6.724 min Scan# 811
 Delta R.T. 0.124 min
 Lab File: VN081363.D
 Acq: 11 Mar 2024 15:04

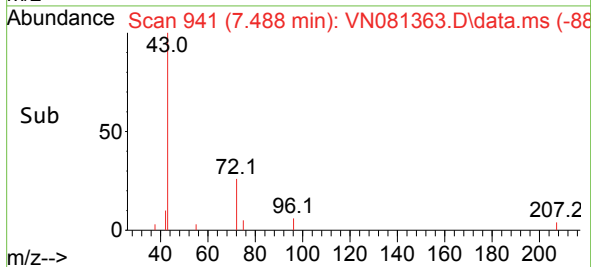
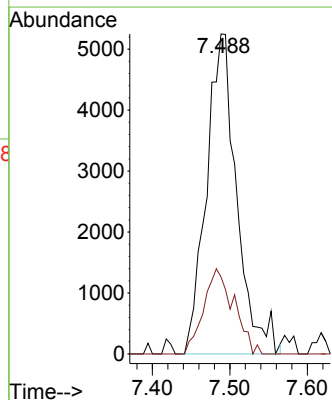
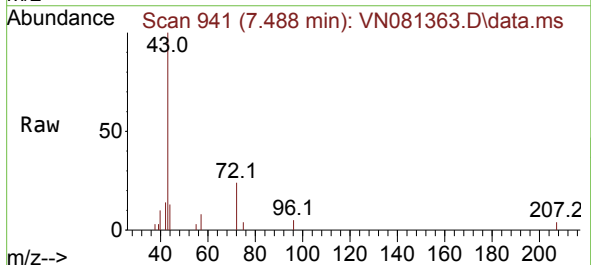
Instrument :
 MSVOA_N
 ClientSampleId :
 380

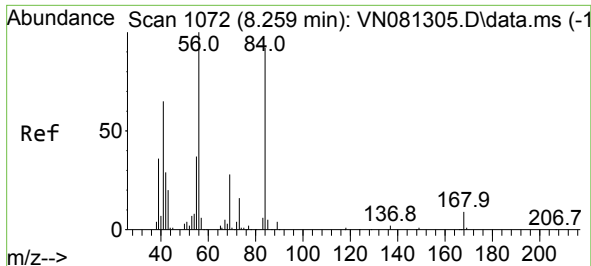
Tgt Ion: 43 Resp: 36777
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 4.396 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN081363.D
 Acq: 11 Mar 2024 15:04

Tgt Ion: 43 Resp: 14262
 Ion Ratio Lower Upper
 43 100
 72 24.0 19.5 29.3

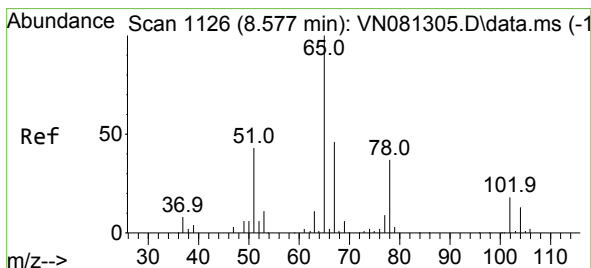
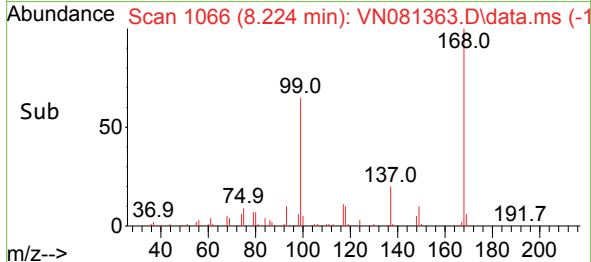
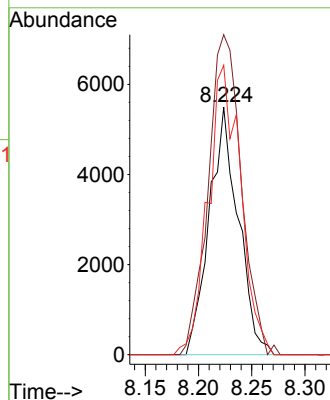
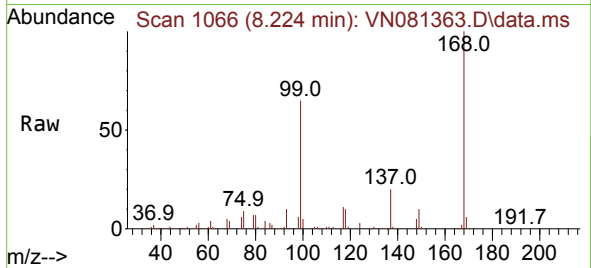




#31
Cyclohexane
Concen: 1.259 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

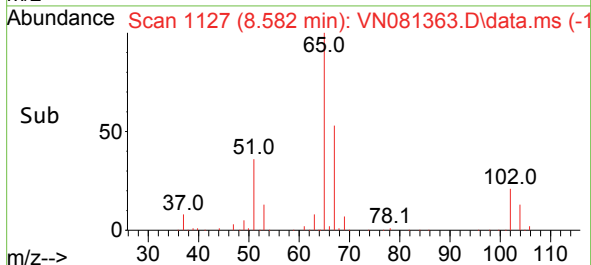
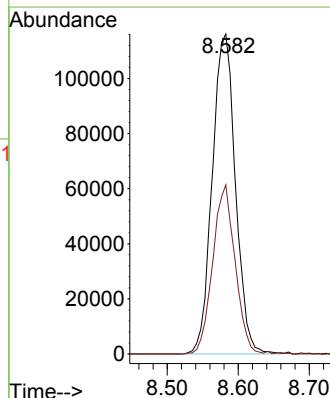
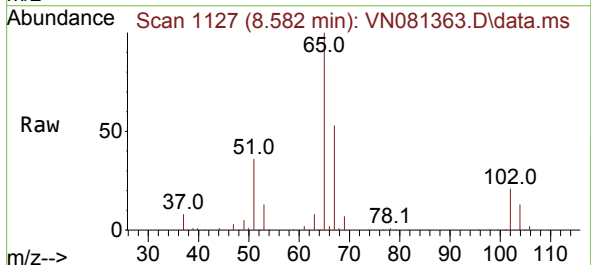
Instrument :
MSVOA_N
ClientSampleId :
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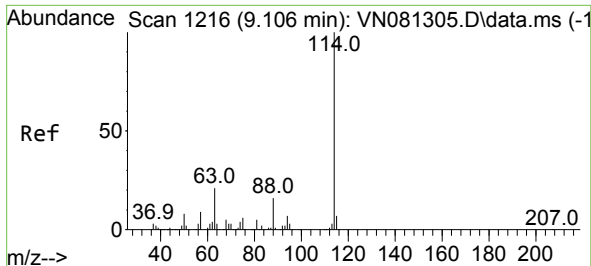
Tgt Ion: 56 Resp: 10420
Ion Ratio Lower Upper
56 100
69 129.2 20.1 30.1#
84 116.9 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 48.149 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

Tgt Ion: 65 Resp: 263266
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.4

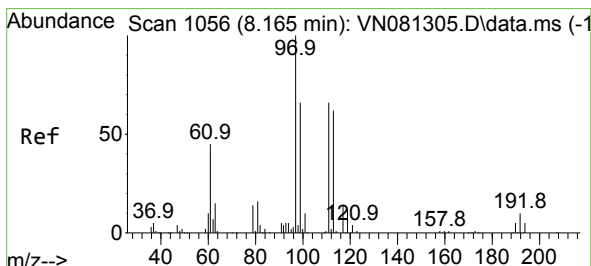
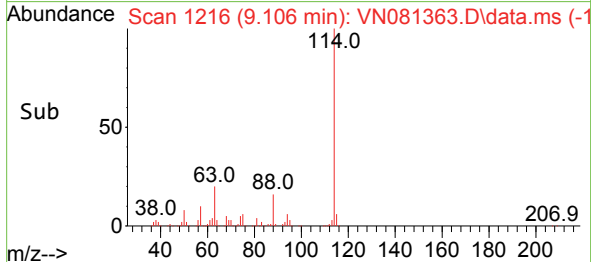
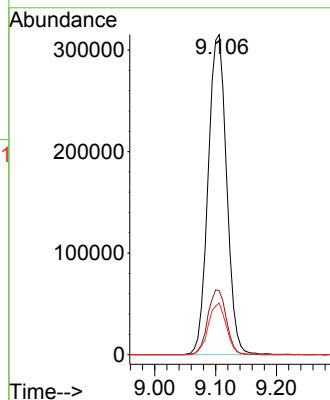
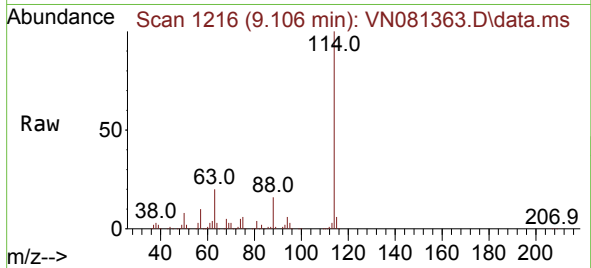




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

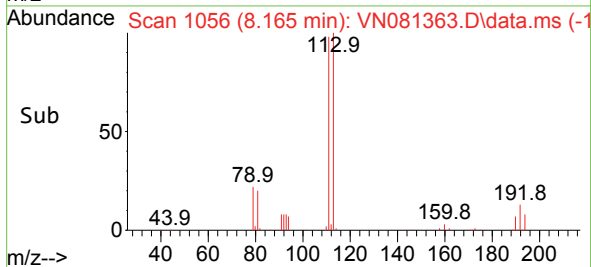
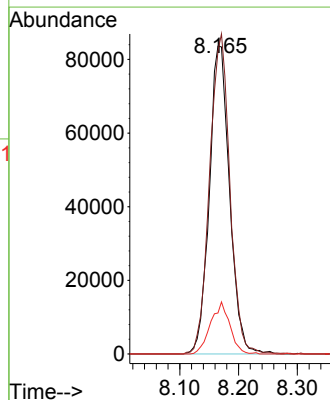
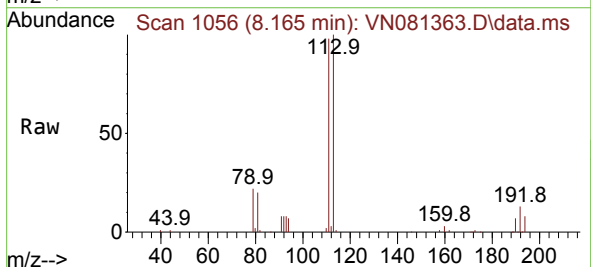
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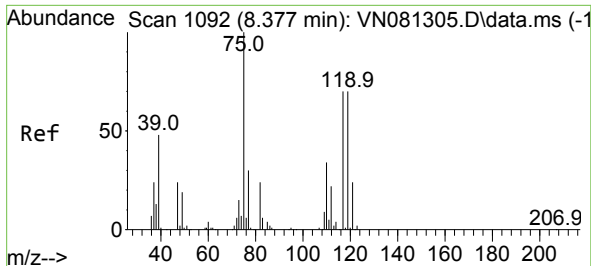
Tgt Ion:114 Resp: 663840
Ion Ratio Lower Upper
114 100
63 20.0 0.0 48.0
88 16.2 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.258 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

Tgt Ion:113 Resp: 200339
Ion Ratio Lower Upper
113 100
111 104.1 82.2 123.4
192 16.1 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.260 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN081363.D

Acq: 11 Mar 2024 15:04

Instrument :

MSVOA_N

ClientSampleId :

380

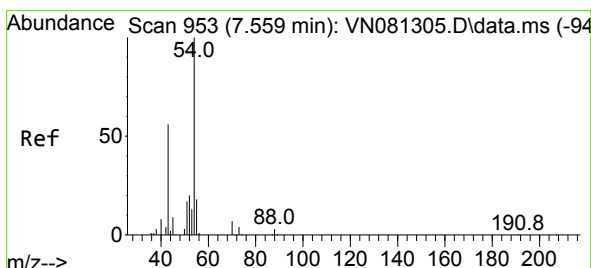
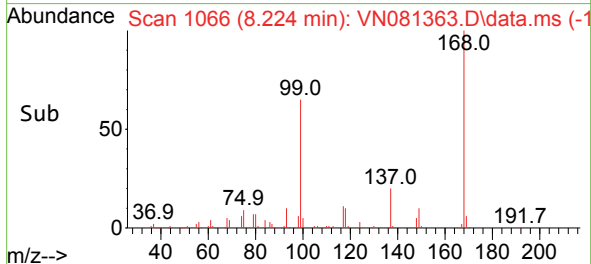
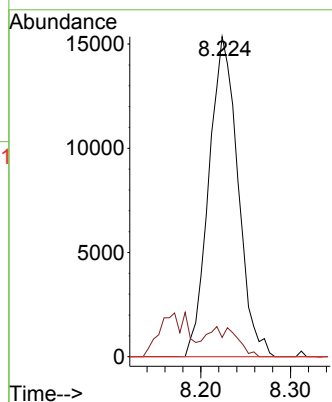
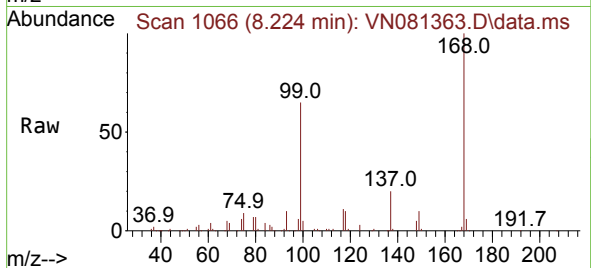
Tgt Ion: 75 Resp: 34516

Ion Ratio Lower Upper

75 100

110 2.1 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 2.224 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.071 min

Lab File: VN081363.D

Acq: 11 Mar 2024 15:04

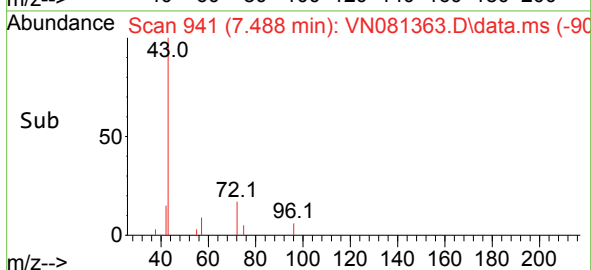
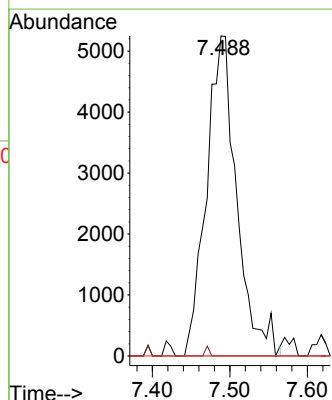
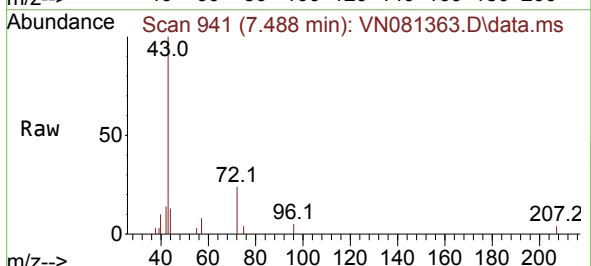
Tgt Ion: 43 Resp: 14262

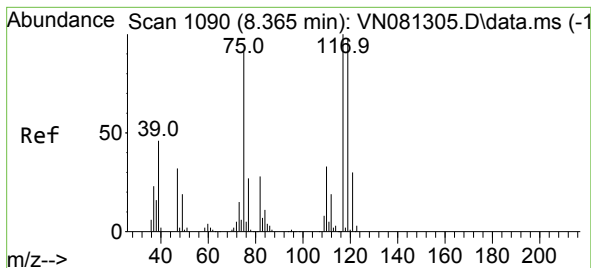
Ion Ratio Lower Upper

43 100

61 0.4 10.6 15.8#

70 0.0 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 6.411 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.135 min

Lab File: VN081363.D

Acq: 11 Mar 2024 15:04

Instrument :

MSVOA_N

ClientSampleId :

380

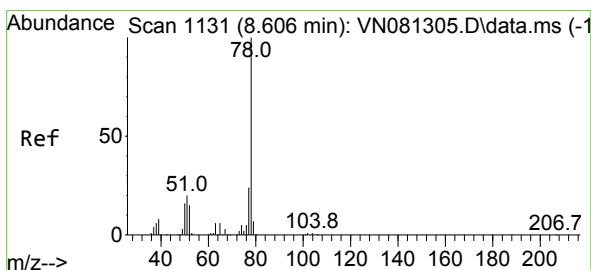
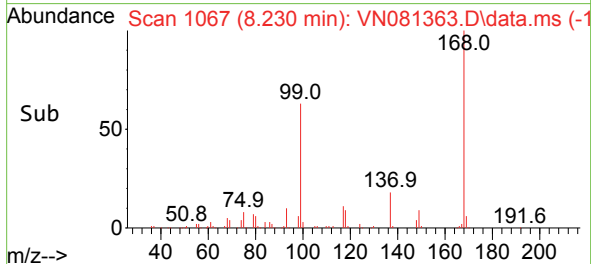
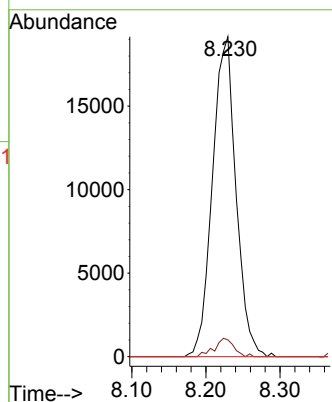
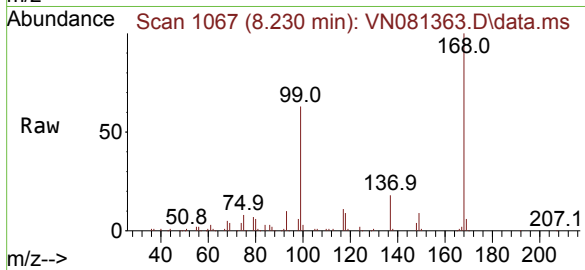
Tgt Ion:117 Resp: 42336

Ion Ratio Lower Upper

117 100

119 5.3 73.4 110.2#

121 0.0 24.4 36.6#



#40

Benzene

Concen: 0.255 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN081363.D

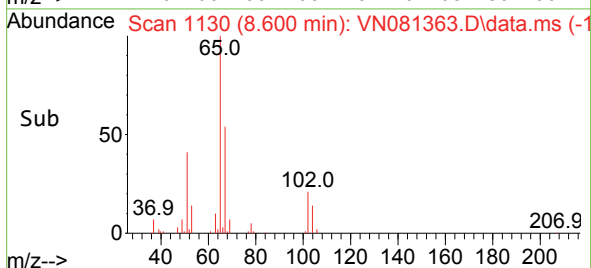
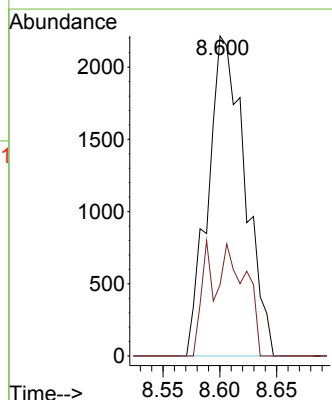
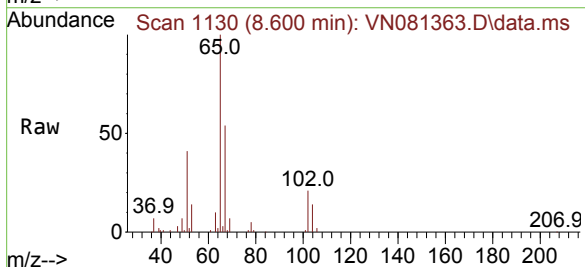
Acq: 11 Mar 2024 15:04

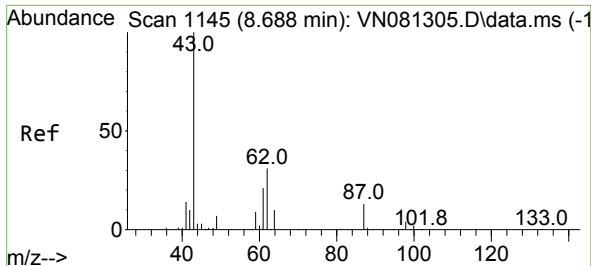
Tgt Ion: 78 Resp: 5001

Ion Ratio Lower Upper

78 100

77 22.2 20.4 30.6

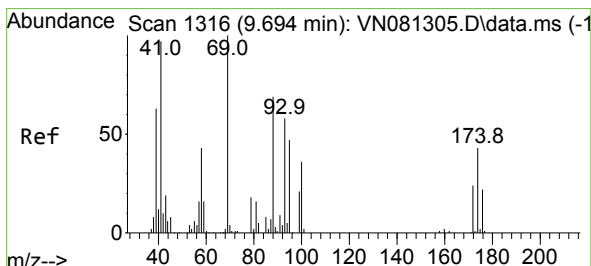
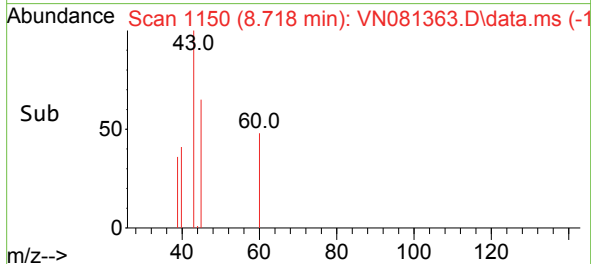
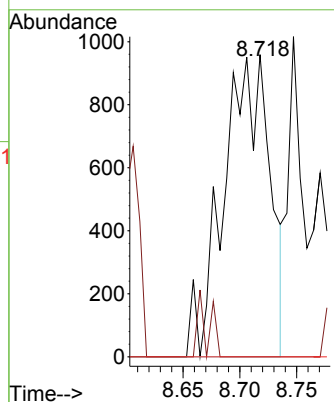
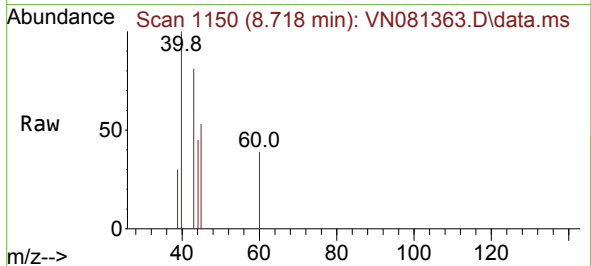




#43
Isopropyl Acetate
Concen: 0.241 ug/l
RT: 8.718 min Scan# 1145
Delta R.T. 0.029 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

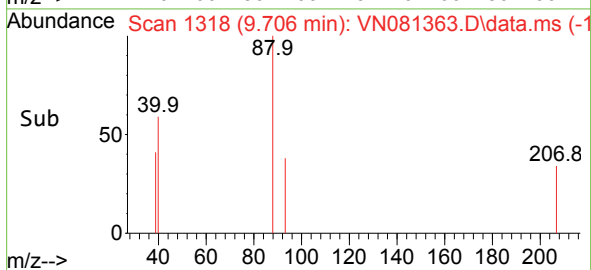
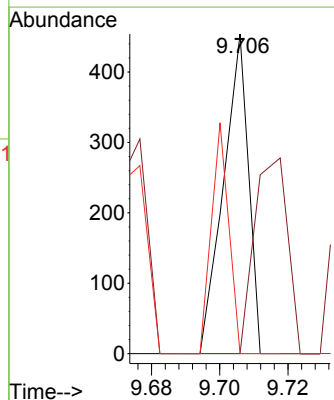
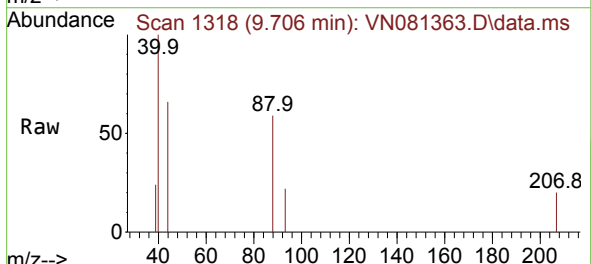
Instrument :
MSVOA_N
ClientSampleId :
380

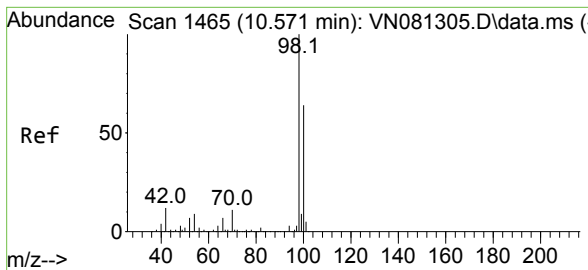
Tgt Ion: 43 Resp: 2704
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#



#49
1,4-Dioxane
Concen: 2.103 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.012 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

Tgt Ion: 88 Resp: 230
Ion Ratio Lower Upper
88 100
43 81.7 30.1 45.1#
58 50.4 63.9 95.9#

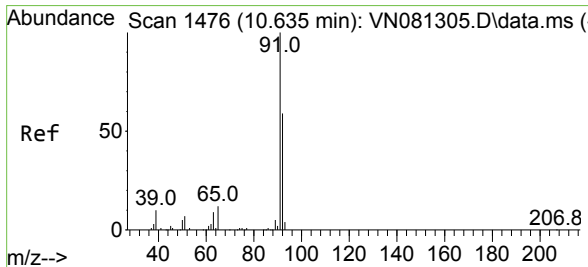
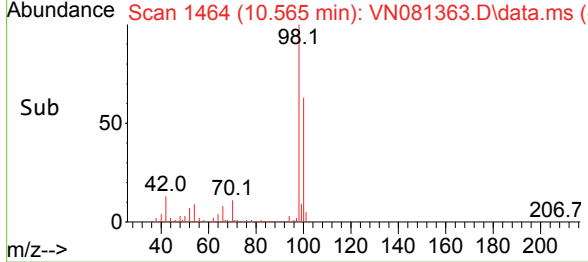
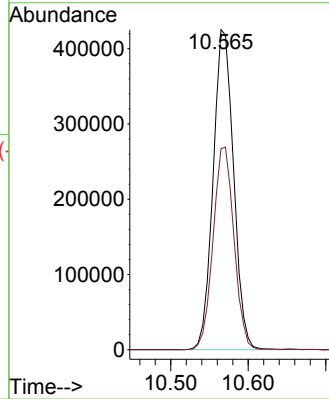
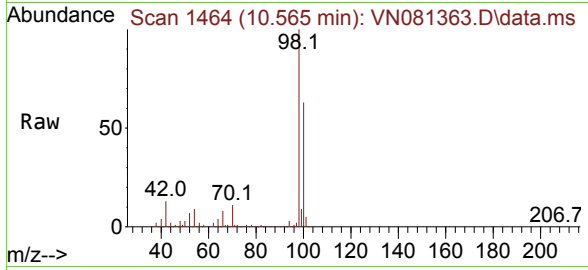




#50
Toluene-d8
Concen: 51.329 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

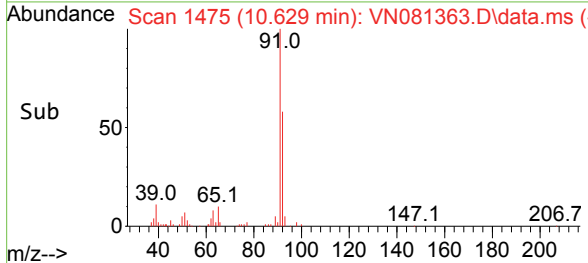
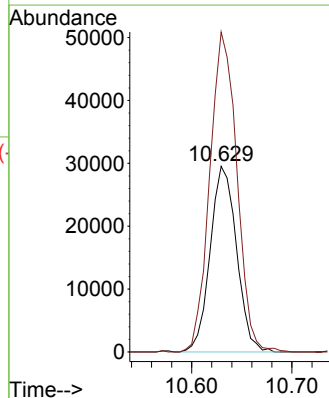
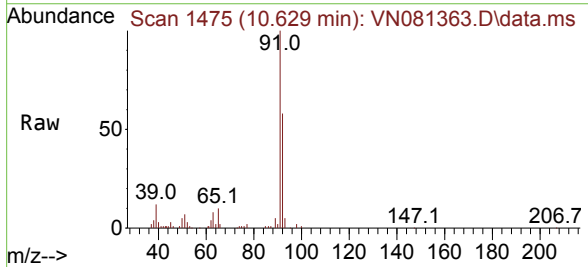
Instrument :
MSVOA_N
ClientSampleId :
380

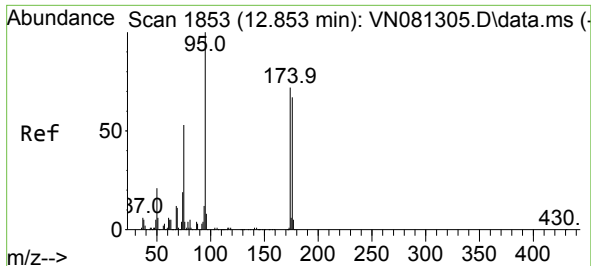
Tgt Ion: 98 Resp: 780407
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#52
Toluene
Concen: 4.570 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

Tgt Ion: 92 Resp: 54065
Ion Ratio Lower Upper
92 100
91 176.8 139.4 209.0

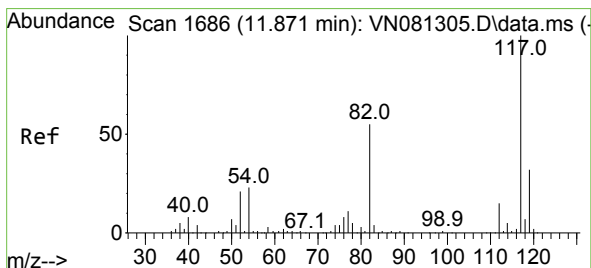
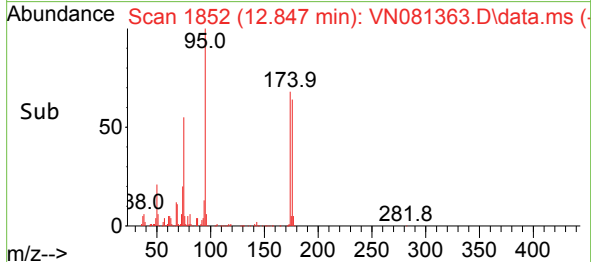
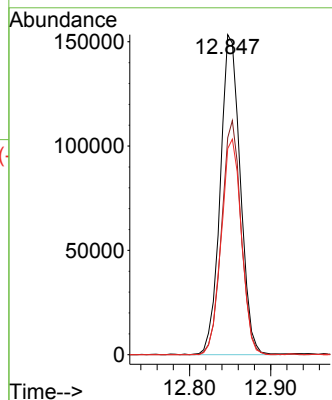
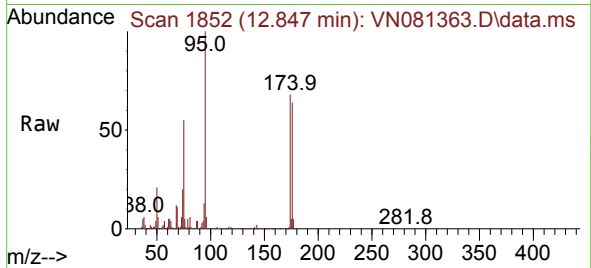




#62
4-Bromofluorobenzene
Concen: 48.965 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

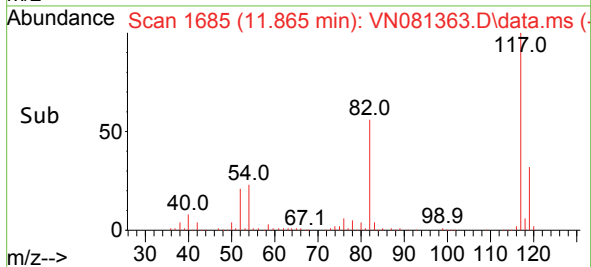
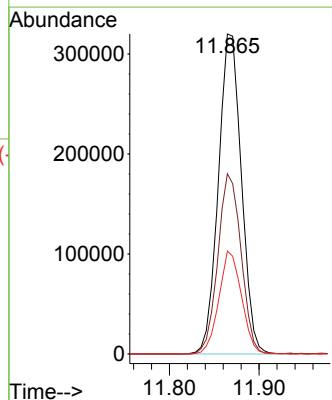
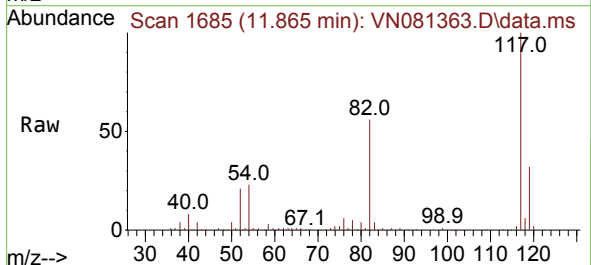
Instrument :
MSVOA_N
ClientSampleId :
380

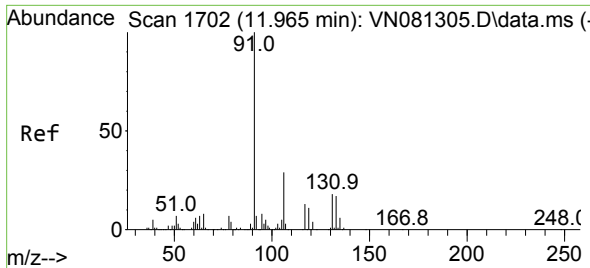
Tgt Ion: 95 Resp: 263121
Ion Ratio Lower Upper
95 100
174 71.1 0.0 120.4
176 68.0 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

Tgt Ion: 117 Resp: 570846
Ion Ratio Lower Upper
117 100
82 56.3 52.7 79.1
119 32.1 25.3 37.9

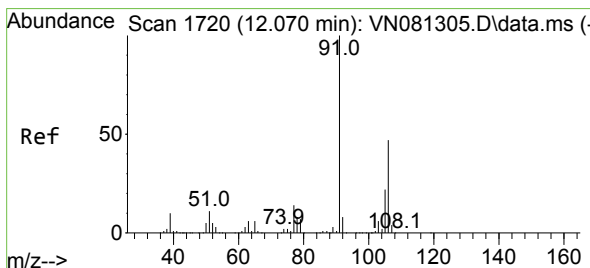
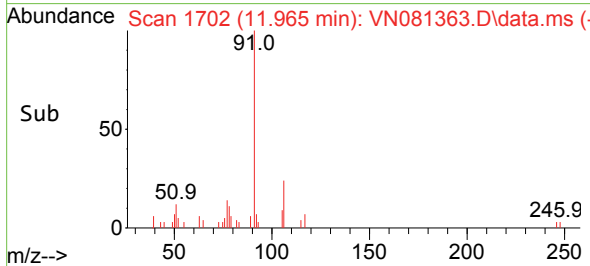
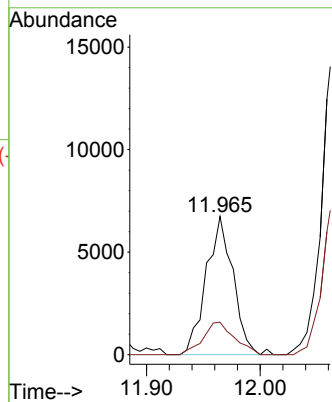
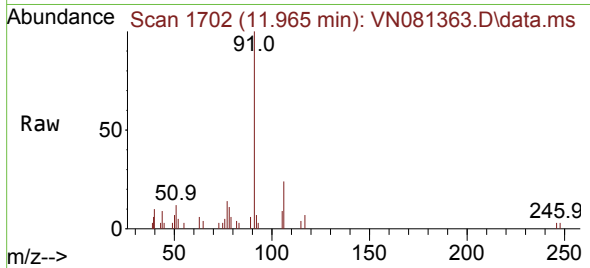




#67
Ethyl Benzene
Concen: 0.513 ug/l
RT: 11.965 min Scan# 1710
Delta R.T. 0.000 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

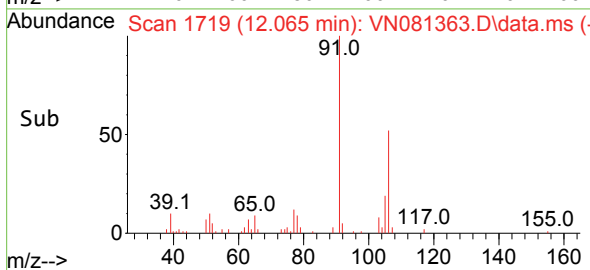
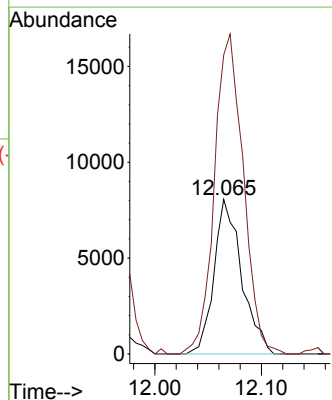
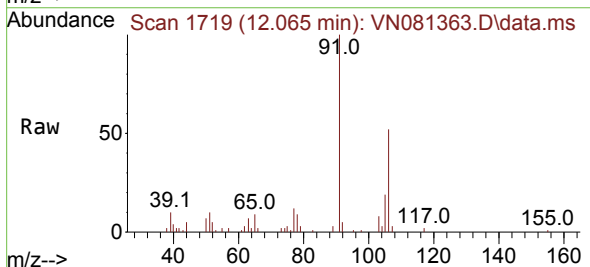
Instrument :
MSVOA_N
ClientSampleId :
380

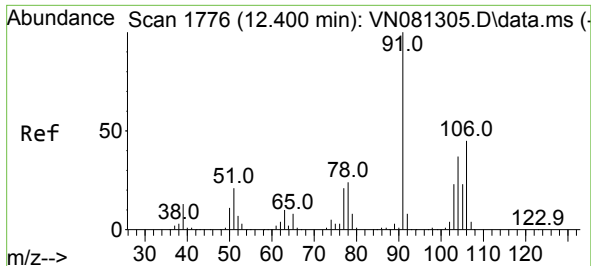
Tgt Ion: 91 Resp: 11112
Ion Ratio Lower Upper
91 100
106 23.5 23.8 35.6#



#68
m/p-Xylenes
Concen: 1.785 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

Tgt Ion:106 Resp: 14559
Ion Ratio Lower Upper
106 100
91 216.1 169.0 253.6

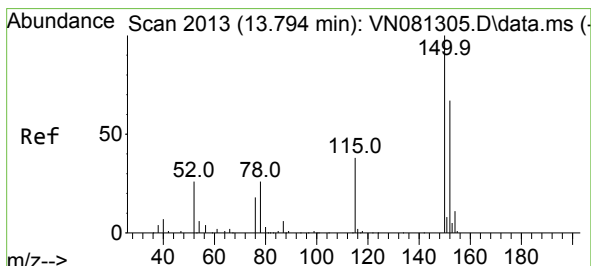
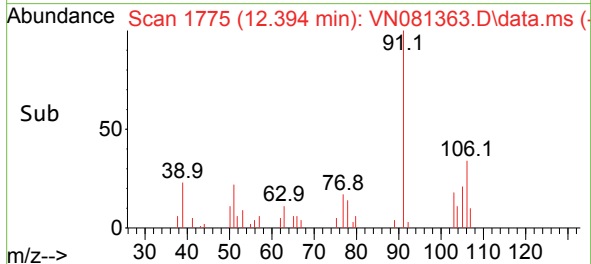
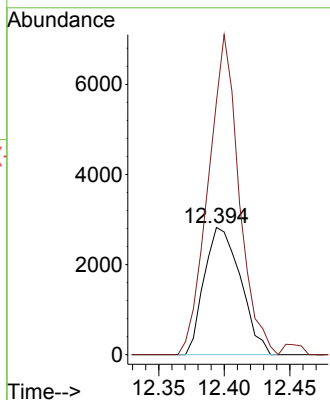
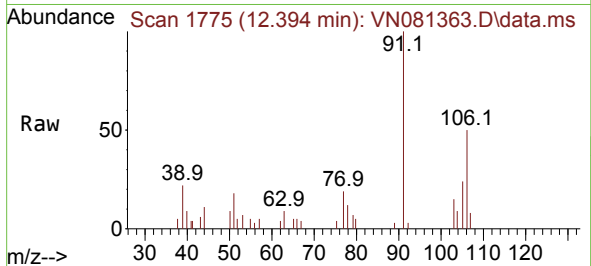




#69
o-Xylene
Concen: 0.691 ug/l
RT: 12.394 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

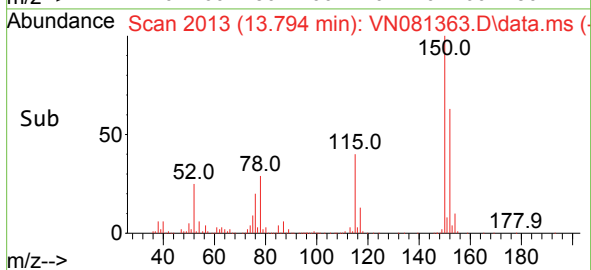
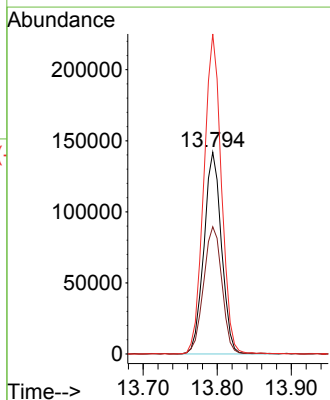
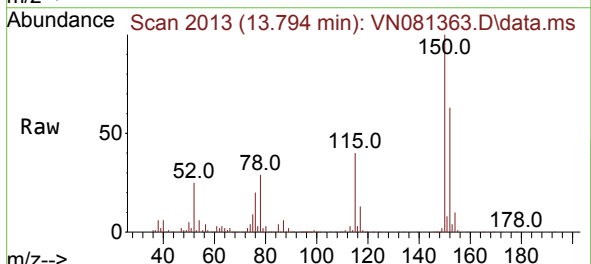
Instrument :
MSVOA_N
ClientSampleId :
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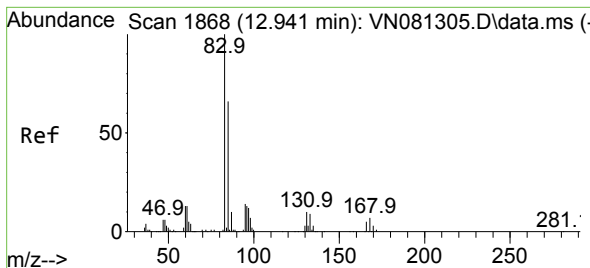
Tgt Ion:106 Resp: 5460
Ion Ratio Lower Upper
106 100
91 212.7 112.1 336.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

Tgt Ion:152 Resp: 233615
Ion Ratio Lower Upper
152 100
115 65.7 32.3 96.8
150 158.4 0.0 339.8





#75

1,1,2,2-Tetrachloroethane

Concen: 9.294 ug/l

RT: 12.800 min Scan# 1844

Delta R.T. -0.141 min

Lab File: VN081363.D

Acq: 11 Mar 2024 15:04

Instrument :

MSVOA_N

ClientSampleId :

380

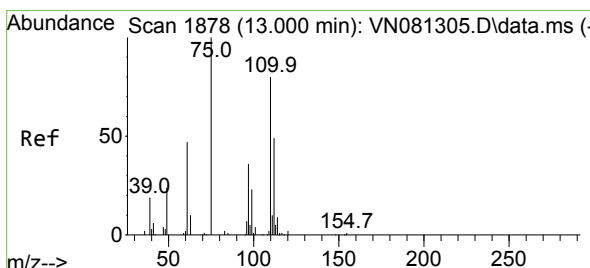
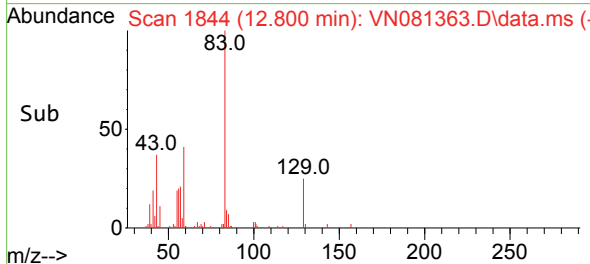
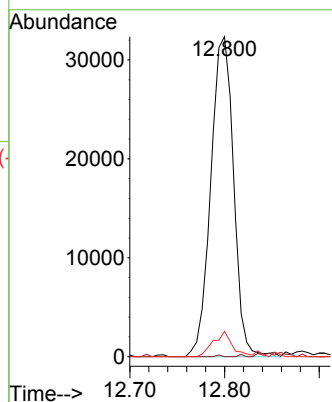
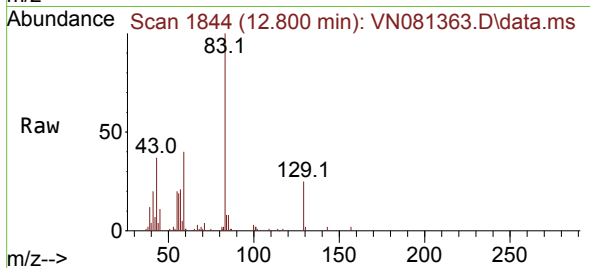
Tgt Ion: 83 Resp: 54105

Ion Ratio Lower Upper

83 100

131 0.1 4.1 12.3#

85 6.6 32.1 96.3#



#76

1,2,3-Trichloropropane

Concen: 26.039 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.153 min

Lab File: VN081363.D

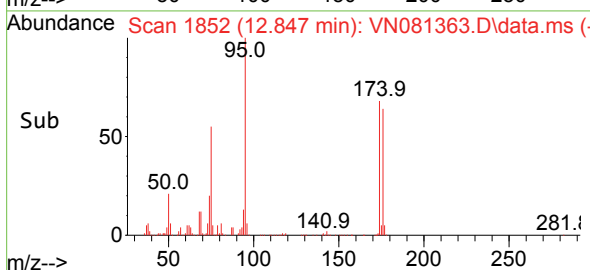
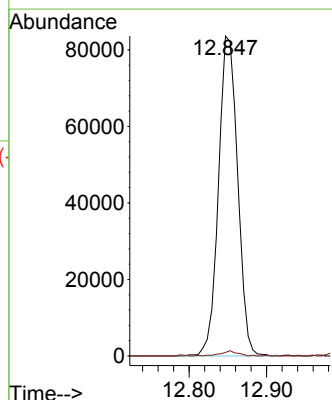
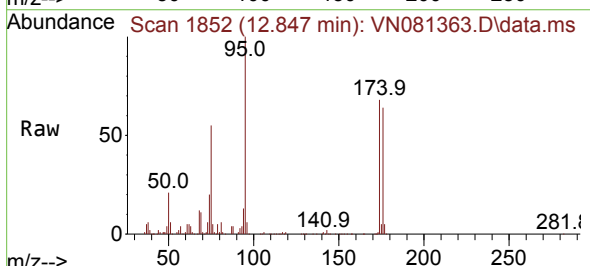
Acq: 11 Mar 2024 15:04

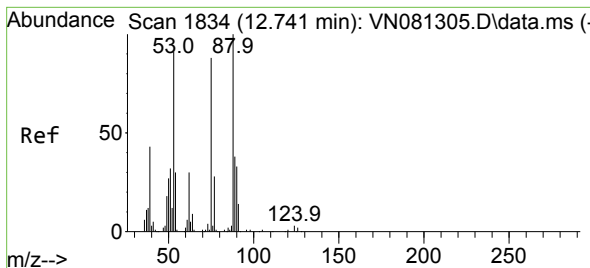
Tgt Ion: 75 Resp: 143683

Ion Ratio Lower Upper

75 100

77 1.5 91.0 272.8#

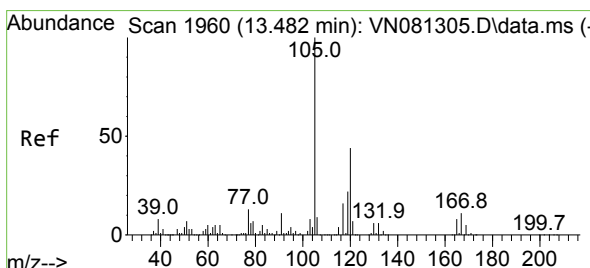
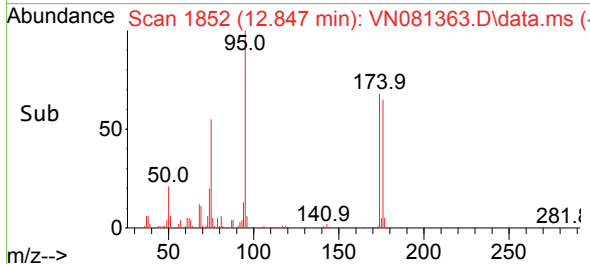
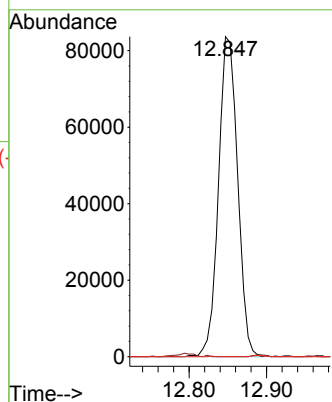
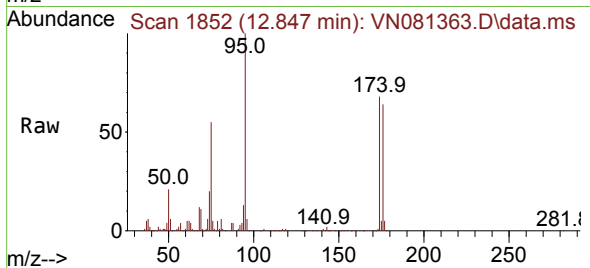




#81
trans-1,4-Dichloro-2-butene
Concen: 72.671 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

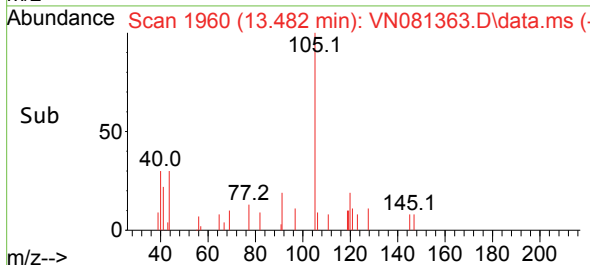
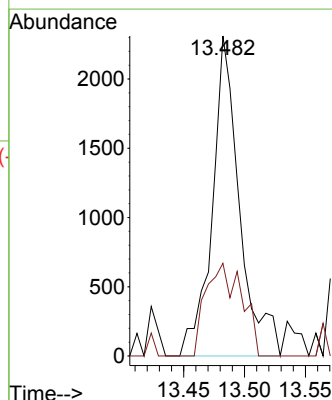
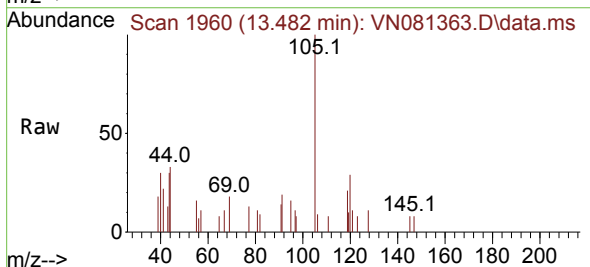
Instrument :
MSVOA_N
ClientSampleId :
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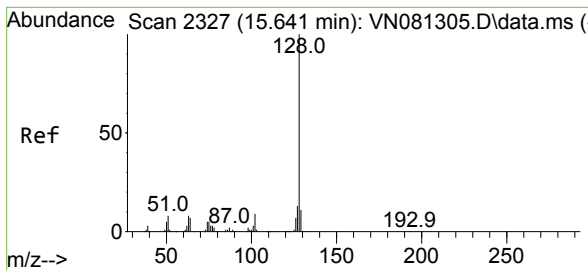
Tgt Ion: 75 Resp: 143683
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.229 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

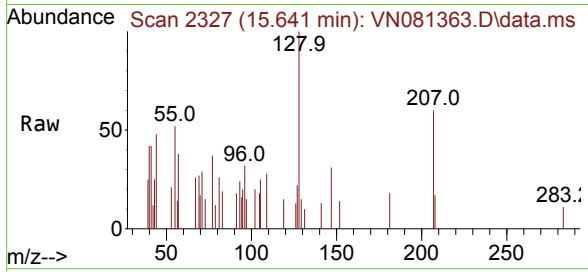
Tgt Ion: 105 Resp: 3615
Ion Ratio Lower Upper
105 100
120 38.0 20.9 62.7





#95
Naphthalene
Concen: 0.270 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN081363.D
Acq: 11 Mar 2024 15:04

Instrument :
MSVOA_N
ClientSampleId :
380



Tgt Ion:	128	Resp:	4165
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.0	15.0
129	10.0	8.7	13.1

