

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081924\
 Data File : VN083373.D
 Acq On : 19 Aug 2024 15:27
 Operator : JC\MD
 Sample : P3629-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 20 04:46:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

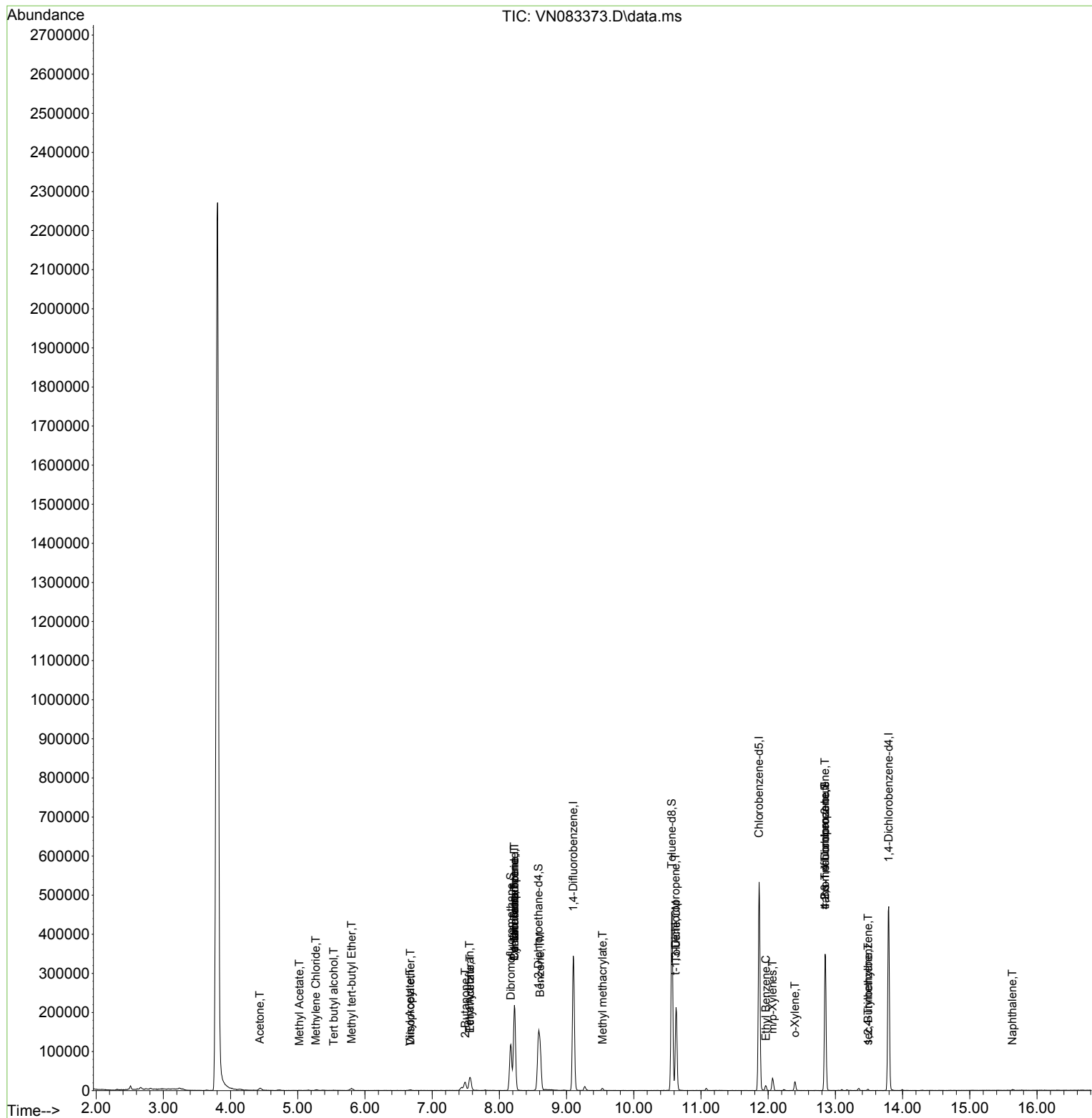
Internal Standards						
1) Pentafluorobenzene	8.224	168	150640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	291597	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	124426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	107096	49.947	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.900%		
35) Dibromofluoromethane	8.171	113	86161	47.339	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.680%		
50) Toluene-d8	10.565	98	318206	46.868	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.740%		
62) 4-Bromofluorobenzene	12.847	95	124576	47.065	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.140%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.536	59	550	1.234	ug/l #	71
16) Acetone	4.436	43	11528	13.740	ug/l	91
18) Methyl Acetate	5.024	43	705	0.282	ug/l #	56
19) Methyl tert-butyl Ether	5.800	73	7713	1.280	ug/l	95
20) Methylene Chloride	5.271	84	654	0.339	ug/l #	67
22) Diisopropyl ether	6.677	45	2125	0.358	ug/l #	78
23) Vinyl Acetate	6.671	43	1243	0.204	ug/l #	75
25) 2-Butanone	7.494	43	34473	26.759	ug/l	100
29) Tetrahydrofuran	7.559	42	3708	4.453	ug/l #	40
31) Cyclohexane	8.224	56	4047	1.274	ug/l #	15
36) 1,1-Dichloropropene	8.224	75	13035	4.734	ug/l #	48
37) Ethyl Acetate	7.565	43	55744	18.083	ug/l #	96
38) Carbon Tetrachloride	8.224	117	17406	5.613	ug/l #	17
40) Benzene	8.606	78	98134	11.964	ug/l	98
43) Isopropyl Acetate	8.688	43	2343	Below Cal	#	60
48) Methyl methacrylate	9.535	41	852	0.334	ug/l #	48
52) Toluene	10.629	92	94172	18.171	ug/l	96
53) t-1,3-Dichloropropene	10.624	75	1270	0.395	ug/l #	1
67) Ethyl Benzene	11.965	91	9381	0.785	ug/l #	80
68) m/p-Xylenes	12.065	106	9866	2.203	ug/l	99
69) o-Xylene	12.400	106	5546	1.256	ug/l	82
76) 1,2,3-Trichloropropane	12.847	75	68832	25.205	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68832	54.828	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.488	105	2334	0.266	ug/l	97
85) sec-Butylbenzene	13.488	105	2334	0.222	ug/l #	57
95) Naphthalene	15.635	128	2464	0.295	ug/l #	86

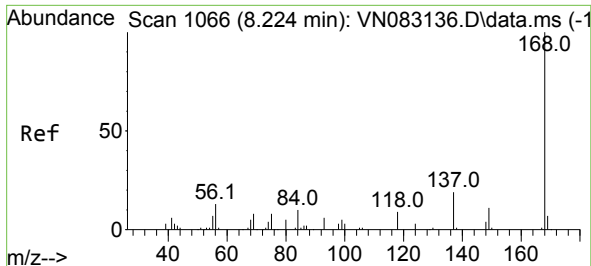
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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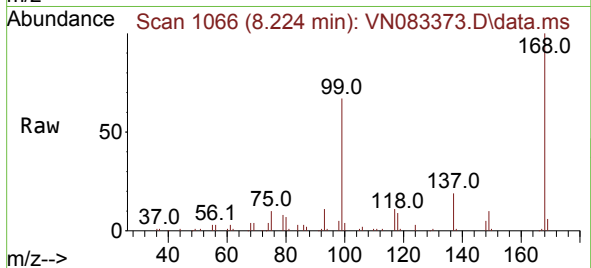
Quant Time: Aug 20 04:46:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
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Response via : Initial Calibration



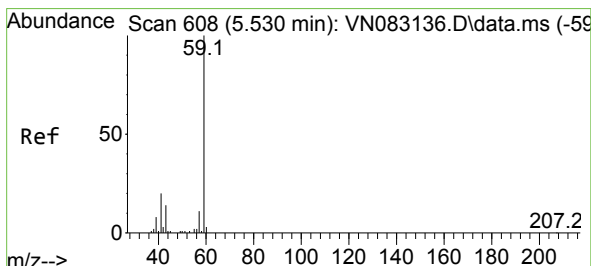
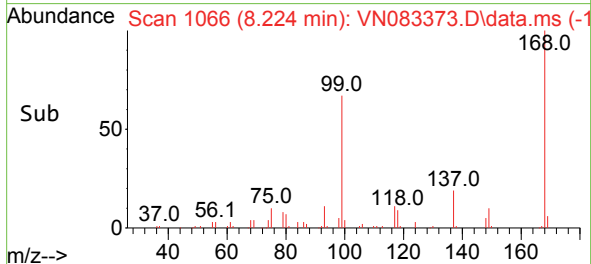
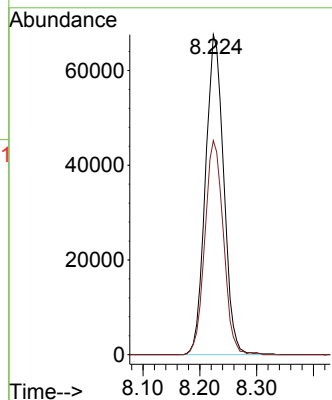


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :

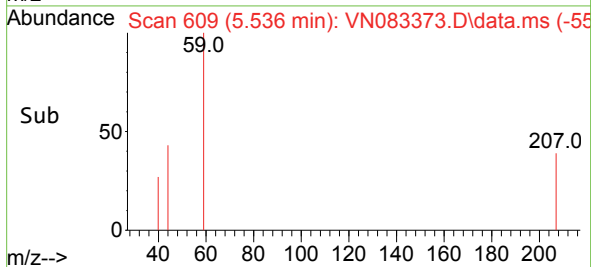
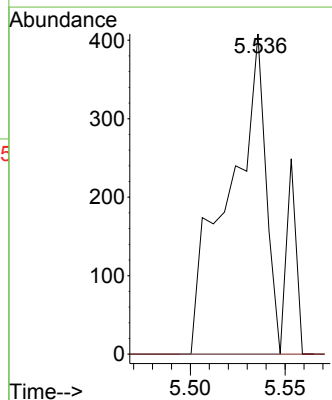
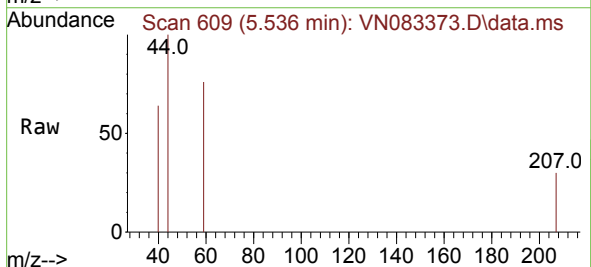


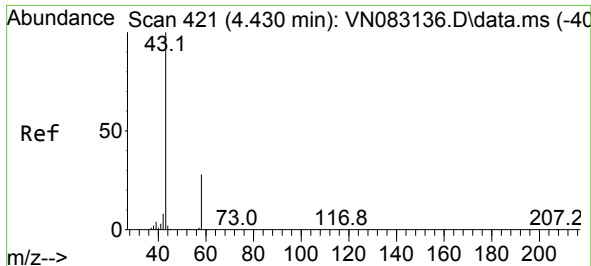
Tgt Ion:168 Resp: 150640
Ion Ratio Lower Upper
168 100
99 66.9 48.2 72.4



#11
Tert butyl alcohol
Concen: 1.234 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.006 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

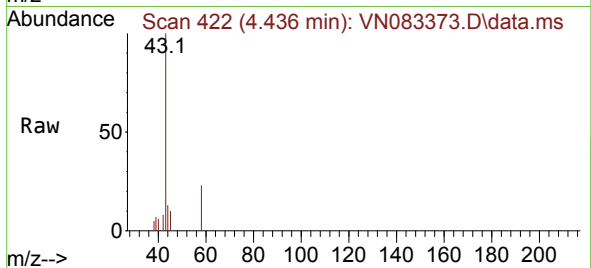
Tgt Ion: 59 Resp: 550
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



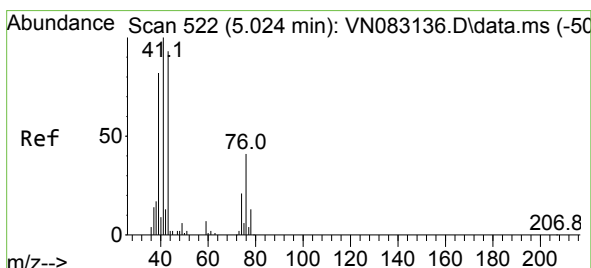
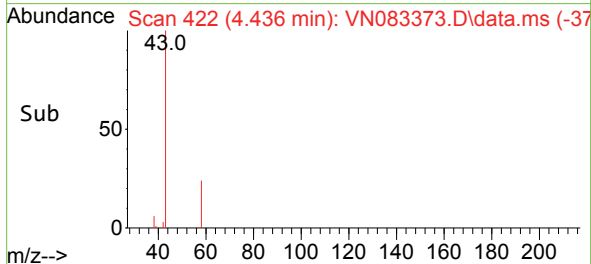
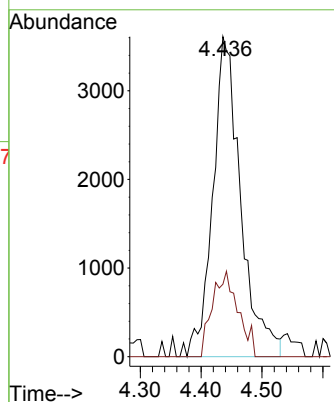


#16
Acetone
Concen: 13.740 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :

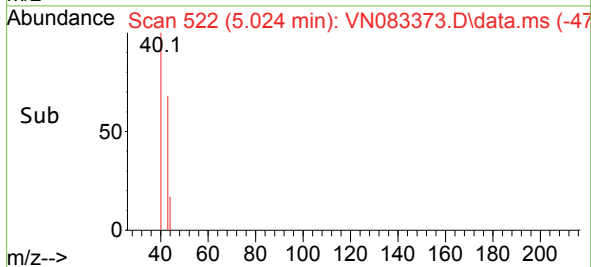
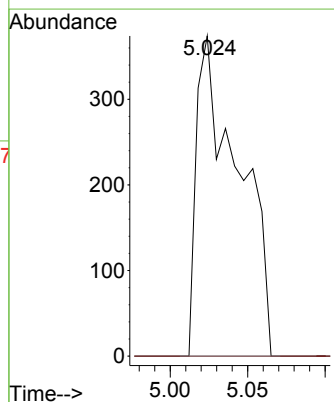
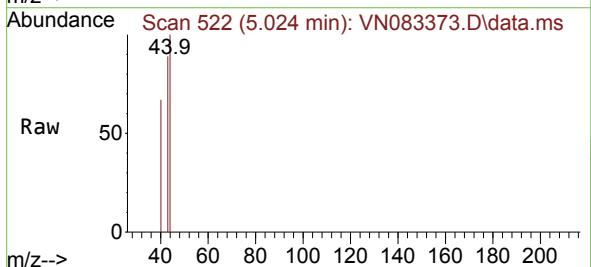


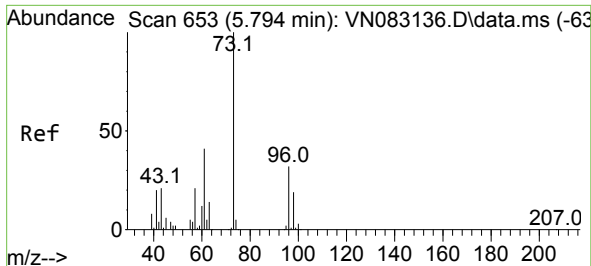
Tgt Ion: 43 Resp: 11528
Ion Ratio Lower Upper
43 100
58 22.7 21.8 32.6



#18
Methyl Acetate
Concen: 0.282 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

Tgt Ion: 43 Resp: 705
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#

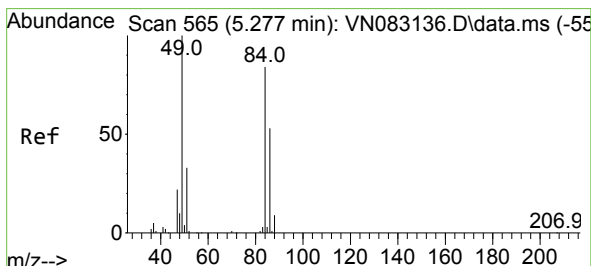
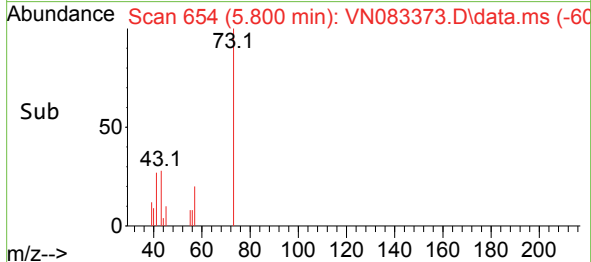
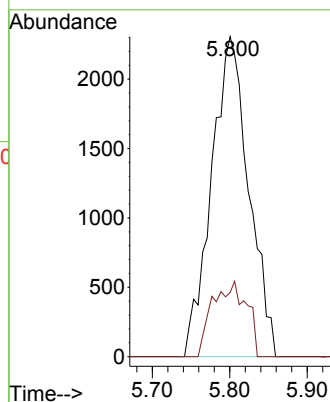
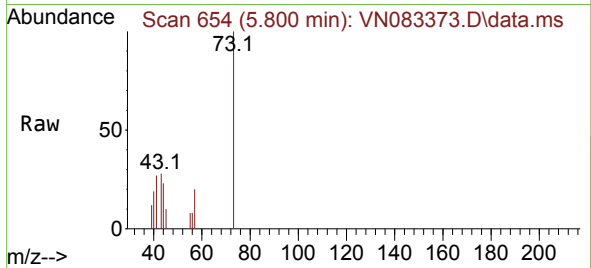




#19
Methyl tert-butyl Ether
Concen: 1.280 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

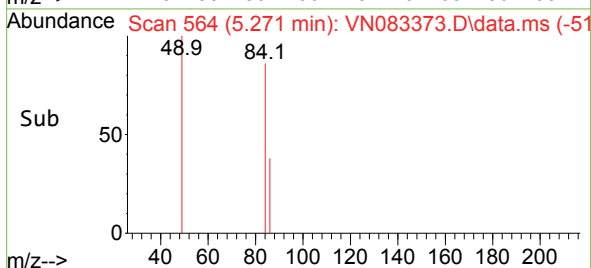
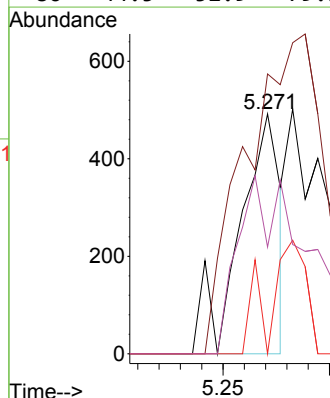
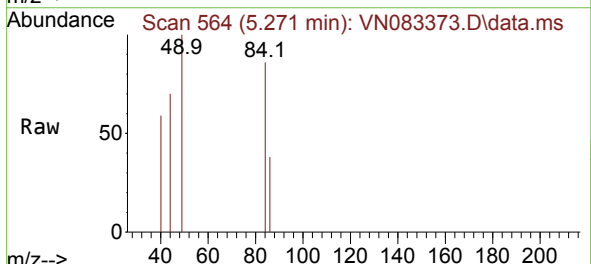
Instrument :
MSVOA_N
ClientSampleId :

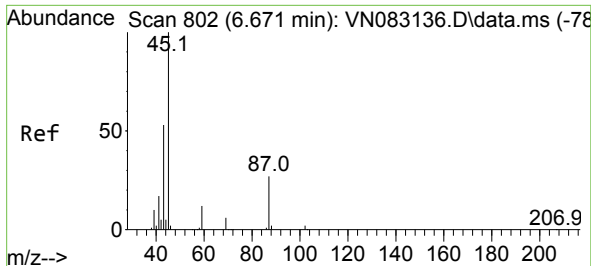
Tgt Ion: 73 Resp: 7713
Ion Ratio Lower Upper
73 100
57 20.0 17.9 26.9



#20
Methylene Chloride
Concen: 0.339 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

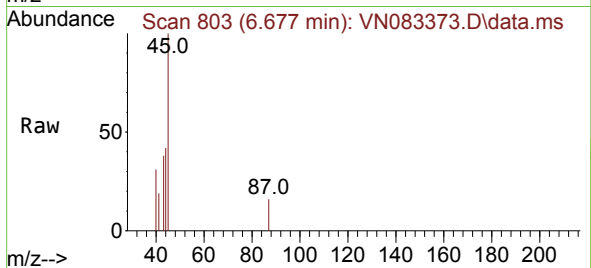
Tgt Ion: 84 Resp: 654
Ion Ratio Lower Upper
84 100
49 116.7 119.6 179.4#
51 0.0 34.8 52.2#
86 44.5 52.9 79.3#



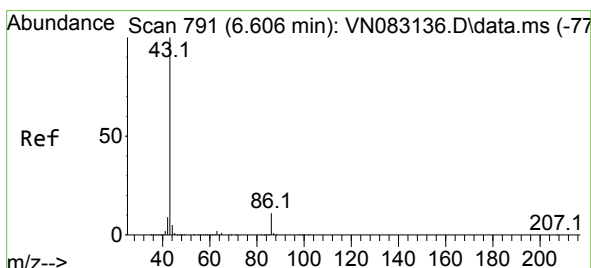
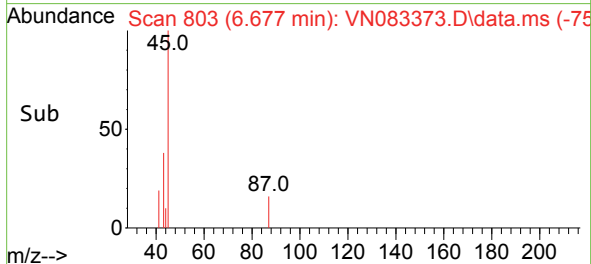
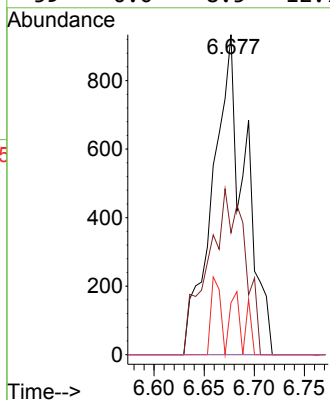


#22
Diisopropyl ether
Concen: 0.358 ug/l
RT: 6.677 min Scan# 801
Delta R.T. 0.006 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :

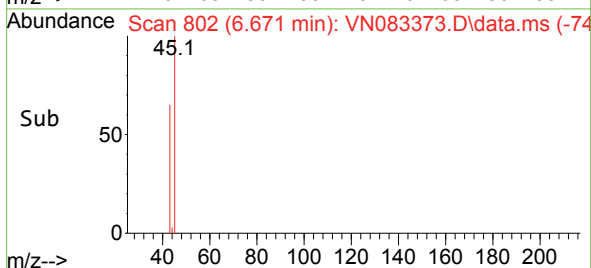
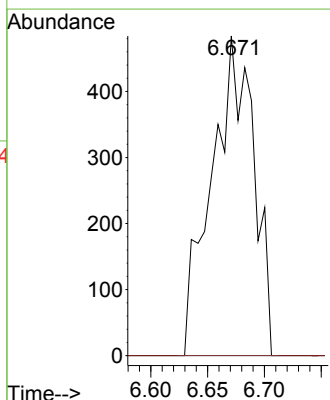
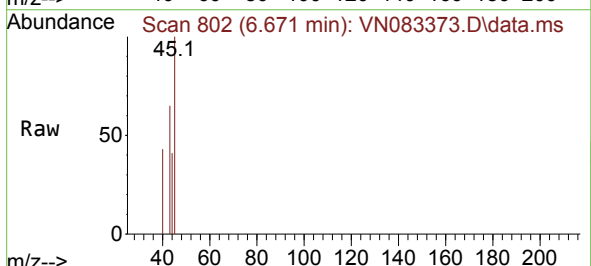


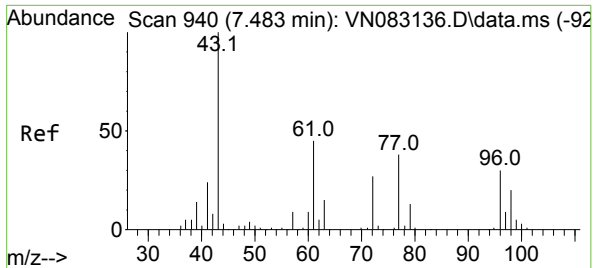
Tgt Ion: 45	Resp: 2125
Ion Ratio	Lower Upper
45 100	
43 38.1	44.0 66.0#
87 16.3	19.7 29.5#
59 0.0	8.5 12.7#



#23
Vinyl Acetate
Concen: 0.204 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.065 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

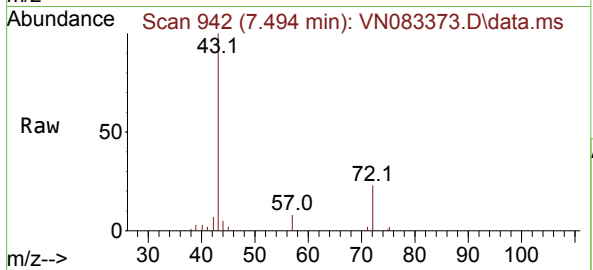
Tgt Ion: 43	Resp: 1243
Ion Ratio	Lower Upper
43 100	
86 0.0	7.3 10.9#



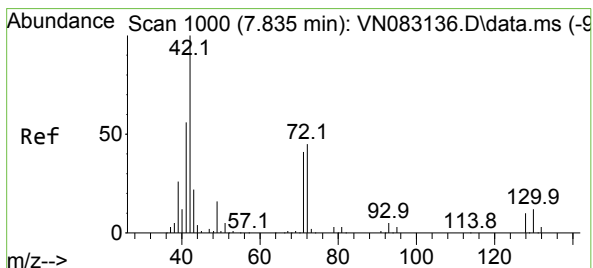
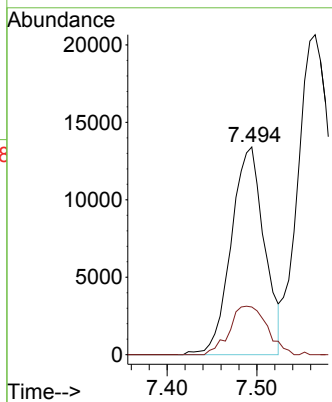
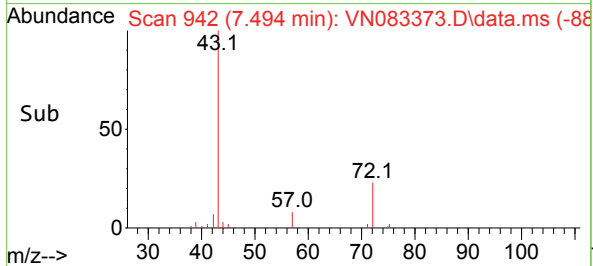


#25
2-Butanone
Concen: 26.759 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

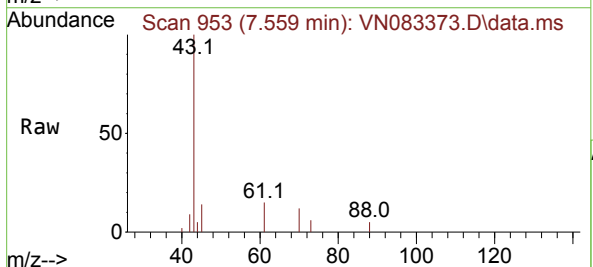
Instrument :
MSVOA_N
ClientSampleId :



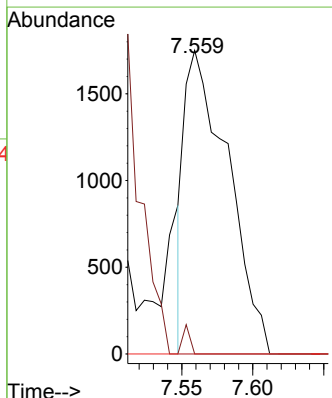
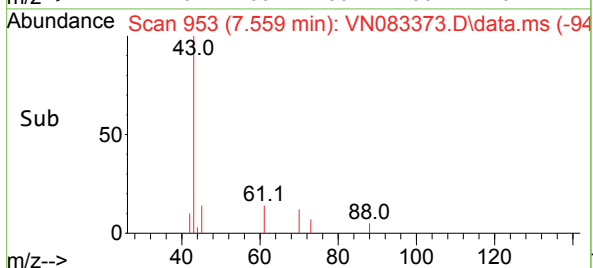
Tgt Ion: 43 Resp: 34473
Ion Ratio Lower Upper
43 100
72 22.9 18.2 27.2

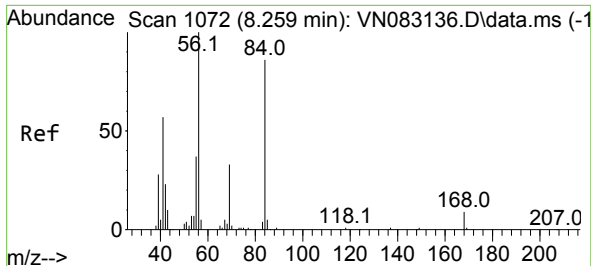


#29
Tetrahydrofuran
Concen: 4.453 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.276 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27



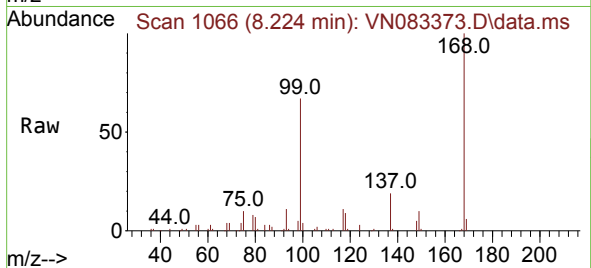
Tgt Ion: 42 Resp: 3708
Ion Ratio Lower Upper
42 100
72 1.6 30.0 45.0#
71 0.0 28.3 42.5#



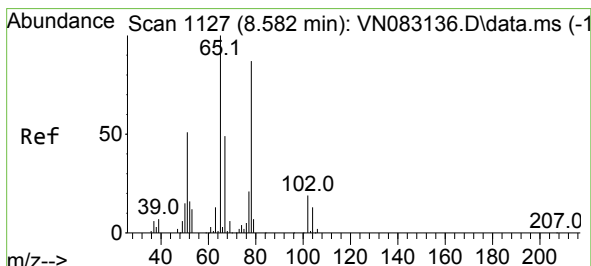
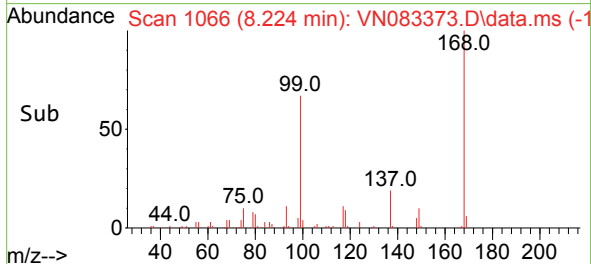
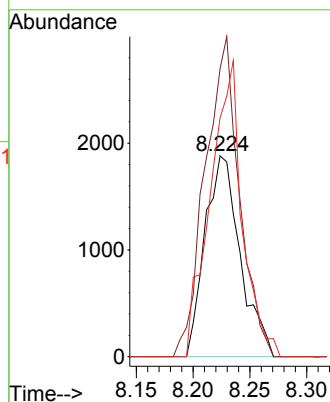


#31
Cyclohexane
Concen: 1.274 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :

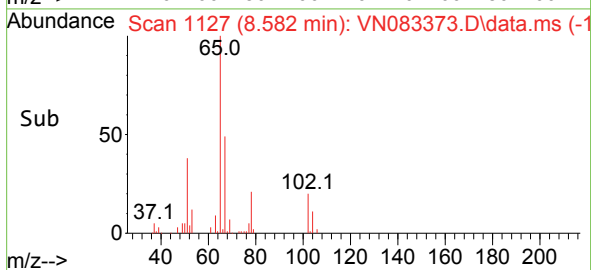
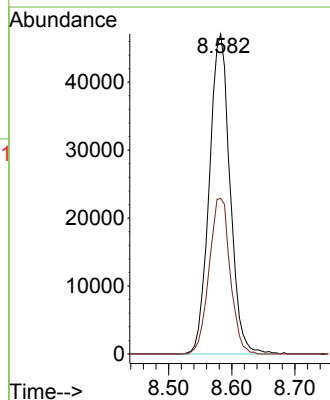
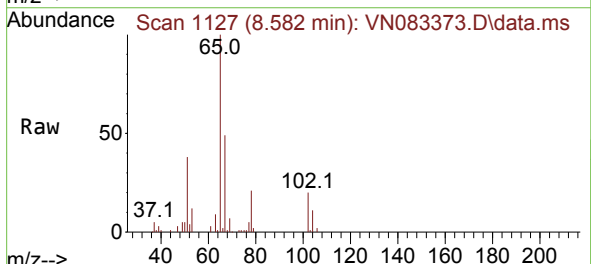


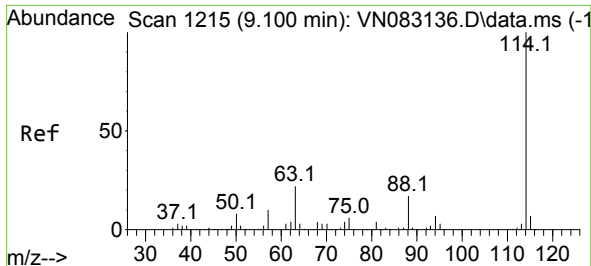
Tgt Ion: 56 Resp: 4047
Ion Ratio Lower Upper
56 100
69 143.4 24.5 36.7#
84 118.9 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 49.947 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

Tgt Ion: 65 Resp: 107096
Ion Ratio Lower Upper
65 100
67 49.4 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN083373.D

Acq: 19 Aug 2024 15:27

Instrument :

MSVOA_N

ClientSampleId :

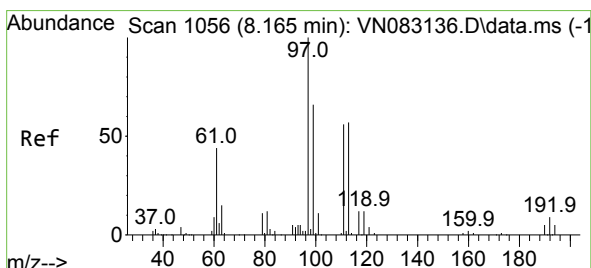
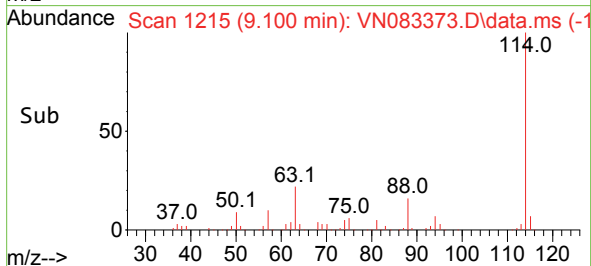
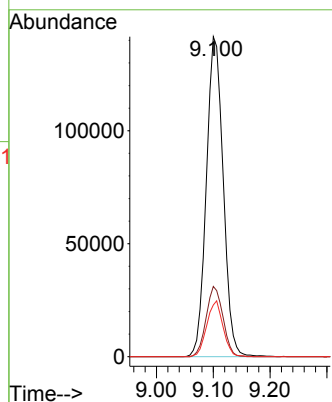
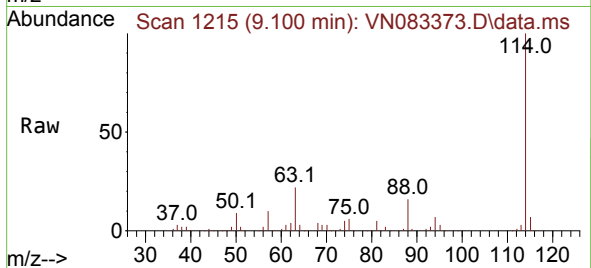
Tgt Ion:114 Resp: 291597

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.6

88 16.1 0.0 31.4



#35

Dibromofluoromethane

Concen: 47.339 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083373.D

Acq: 19 Aug 2024 15:27

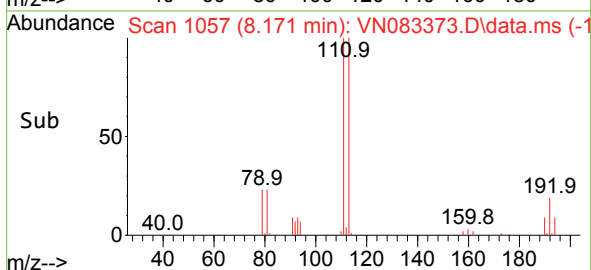
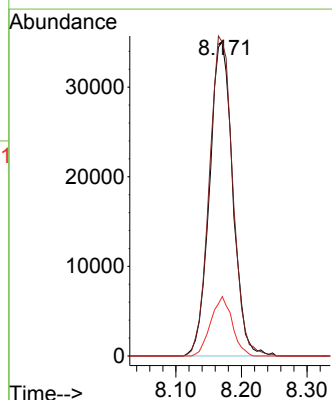
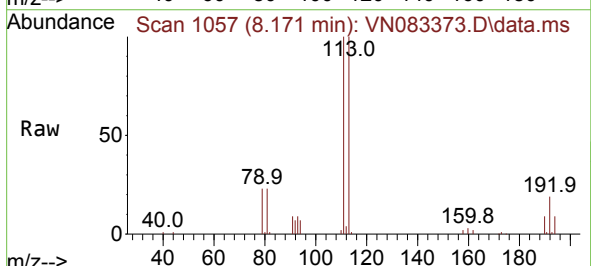
Tgt Ion:113 Resp: 86161

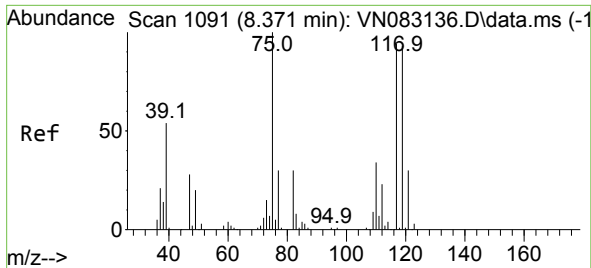
Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

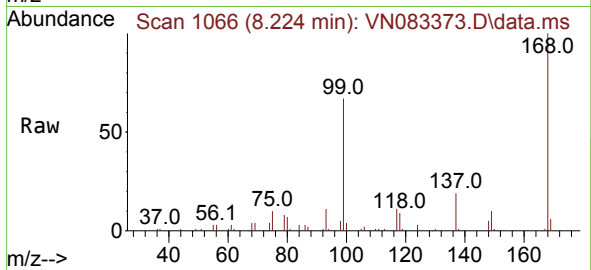
192 17.5 14.9 22.3



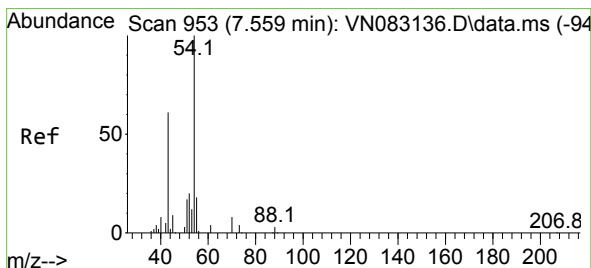
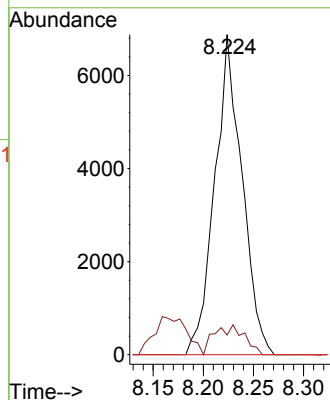
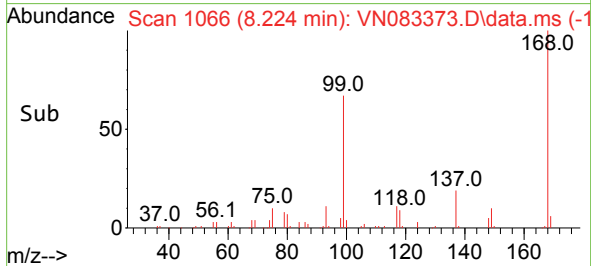


#36
1,1-Dichloropropene
Concen: 4.734 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :

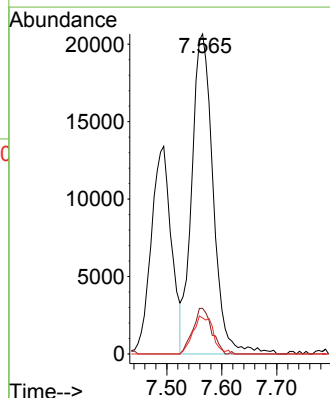
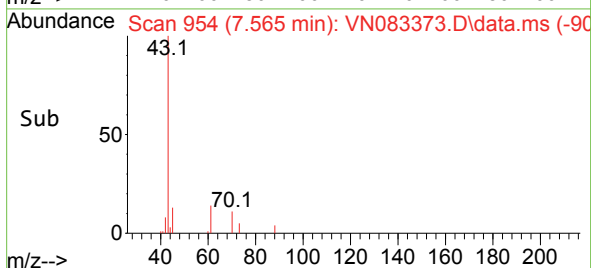
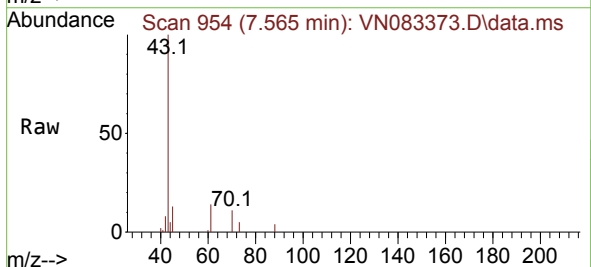


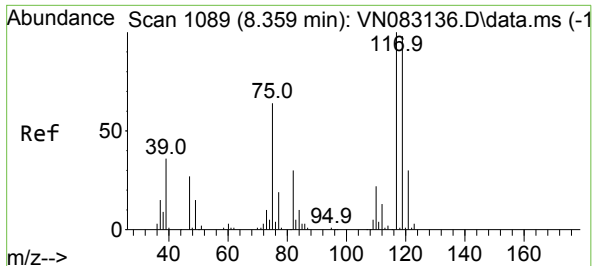
Tgt Ion: 75 Resp: 13035
Ion Ratio Lower Upper
75 100
110 5.1 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 18.083 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

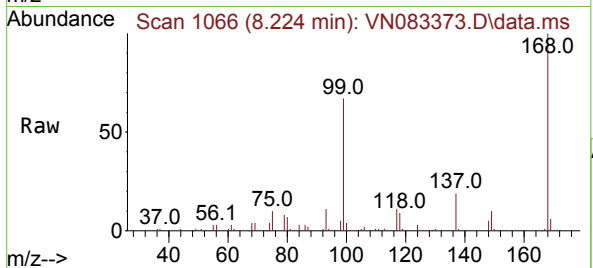
Tgt Ion: 43 Resp: 55744
Ion Ratio Lower Upper
43 100
61 12.5 9.3 13.9
70 11.2 7.0 10.6#



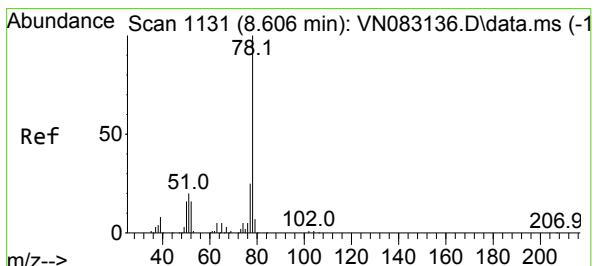
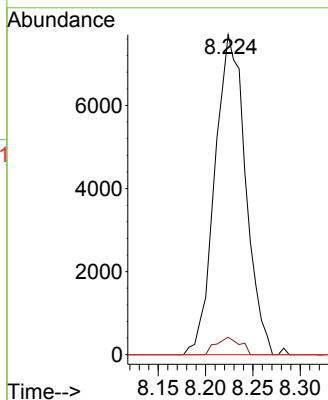
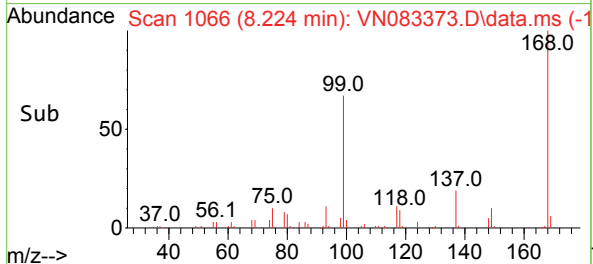


#38
Carbon Tetrachloride
Concen: 5.613 ug/l
RT: 8.224 min Scan# 1089
Delta R.T. -0.135 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :

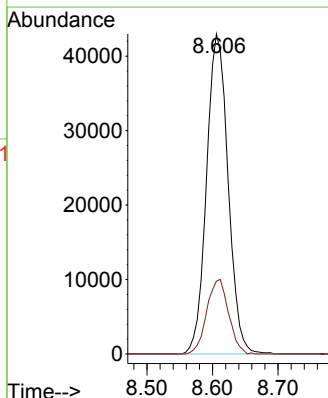
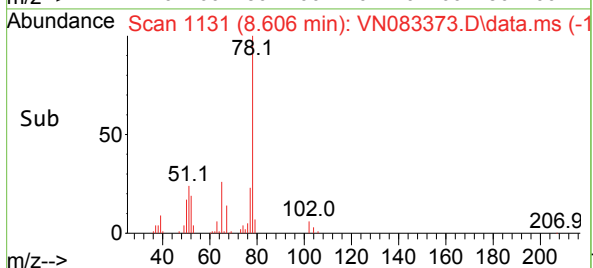
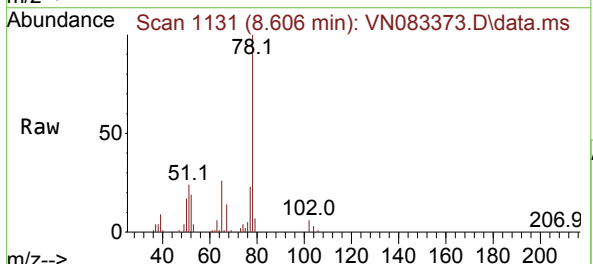


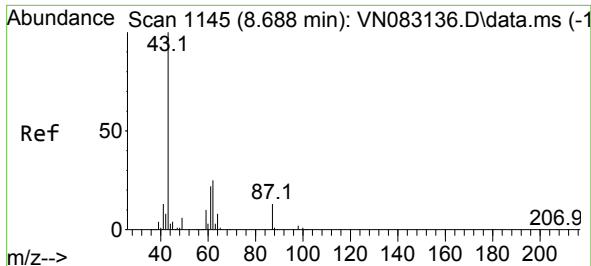
Tgt Ion:117 Resp: 17406
Ion Ratio Lower Upper
117 100
119 5.5 74.9 112.3#
121 0.0 24.3 36.5#



#40
Benzene
Concen: 11.964 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

Tgt Ion: 78 Resp: 98134
Ion Ratio Lower Upper
78 100
77 22.8 19.0 28.4

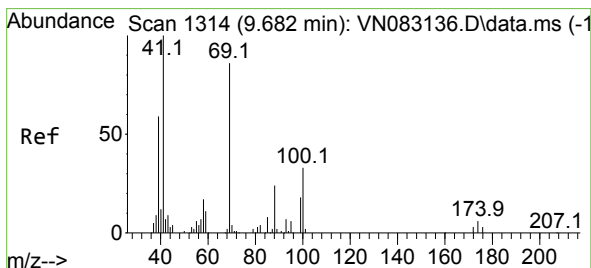
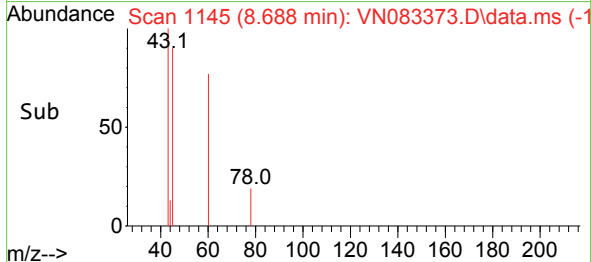
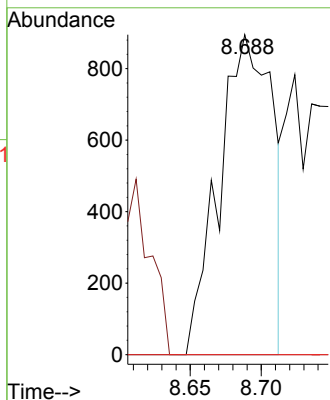
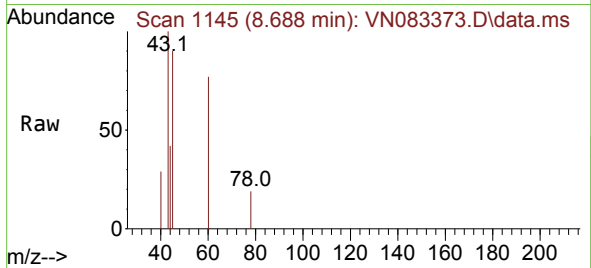




#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

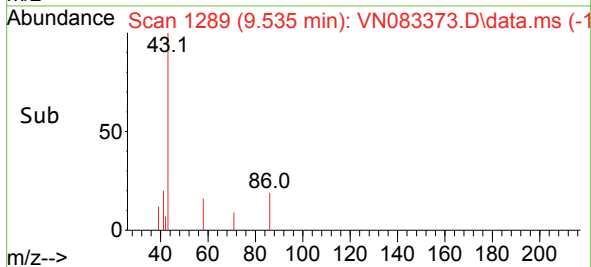
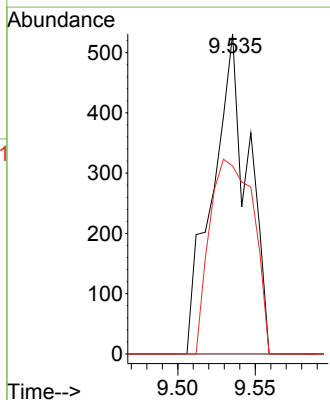
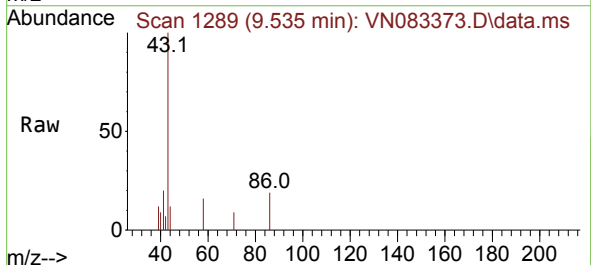
Instrument :
MSVOA_N
ClientSampleId :

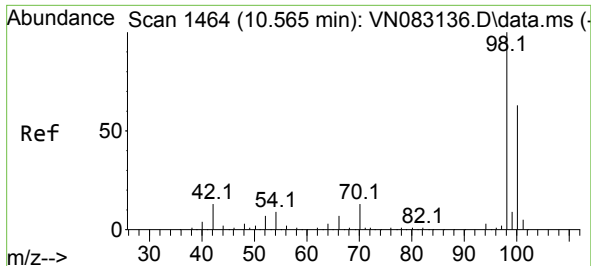
Tgt Ion: 43 Resp: 2343
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#



#48
Methyl methacrylate
Concen: 0.334 ug/l
RT: 9.535 min Scan# 1289
Delta R.T. -0.147 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

Tgt Ion: 41 Resp: 852
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 74.3 50.3 75.5

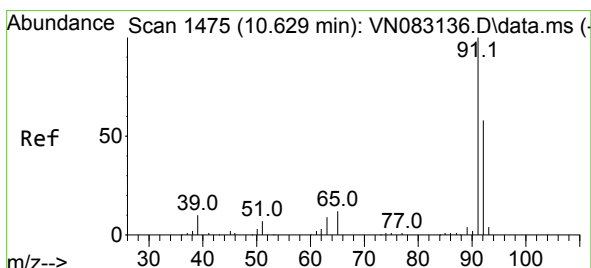
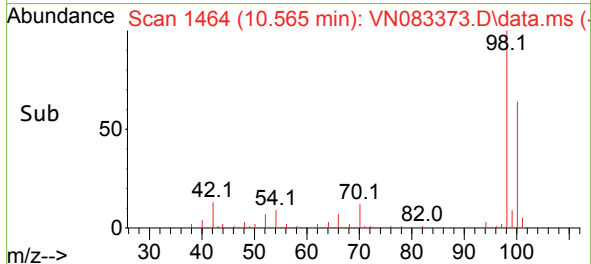
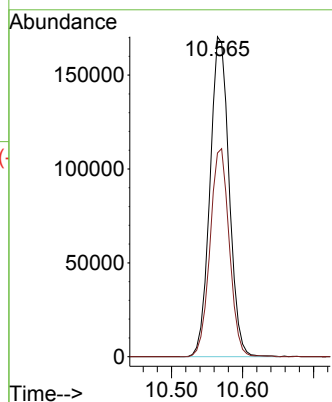
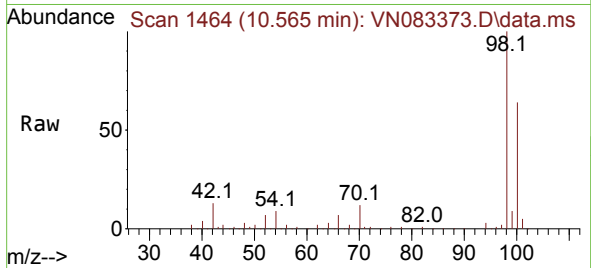




#50
Toluene-d8
Concen: 46.868 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

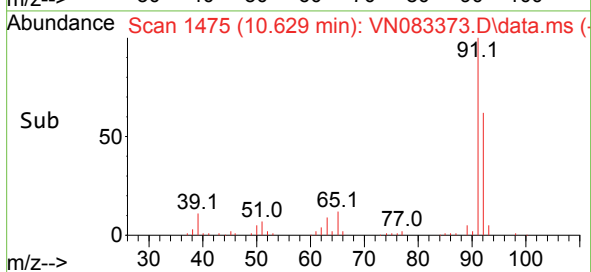
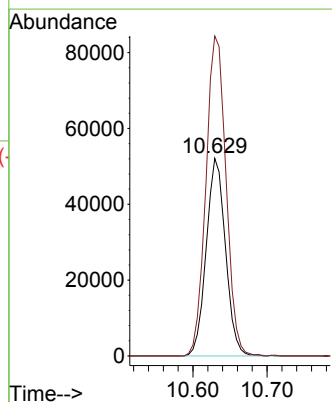
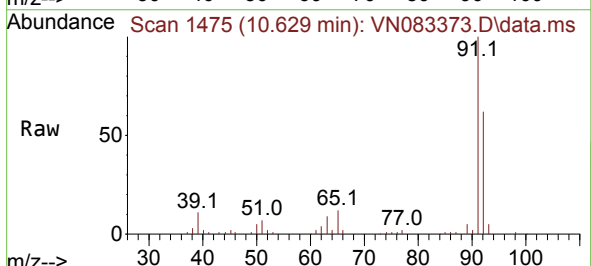
Instrument :
MSVOA_N
ClientSampleId :

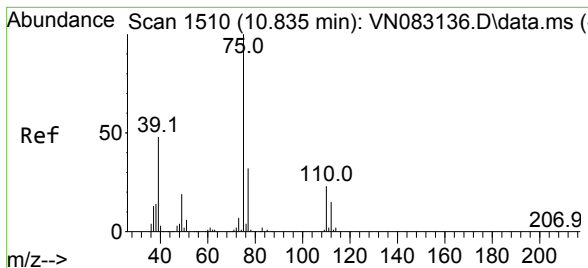
Tgt Ion: 98 Resp: 318206
Ion Ratio Lower Upper
98 100
100 65.4 51.5 77.3



#52
Toluene
Concen: 18.171 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

Tgt Ion: 92 Resp: 94172
Ion Ratio Lower Upper
92 100
91 168.9 139.4 209.0

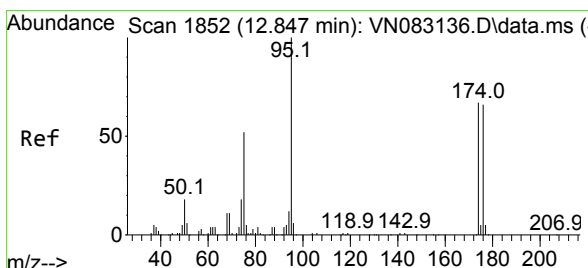
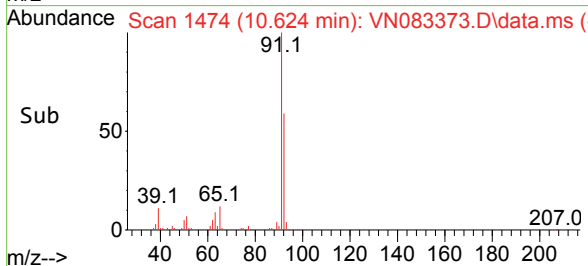
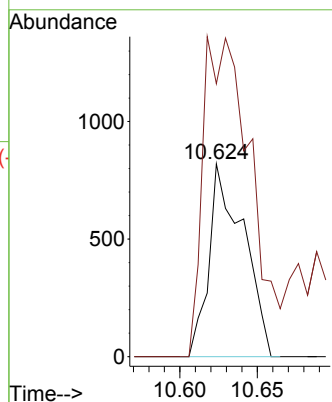
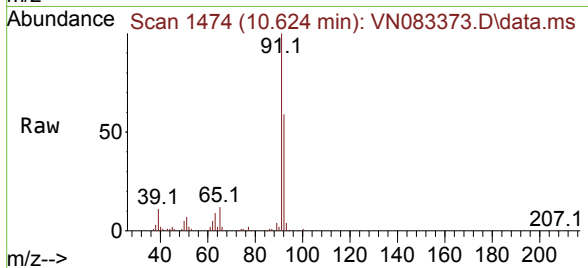




#53
t-1,3-Dichloropropene
Concen: 0.395 ug/l
RT: 10.624 min Scan# 14
Delta R.T. -0.212 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

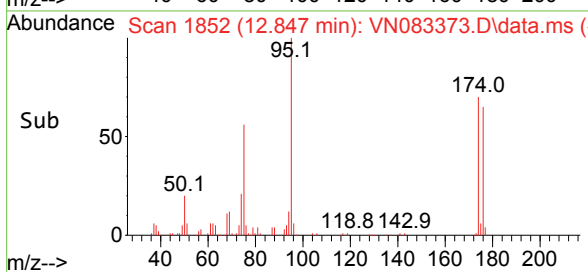
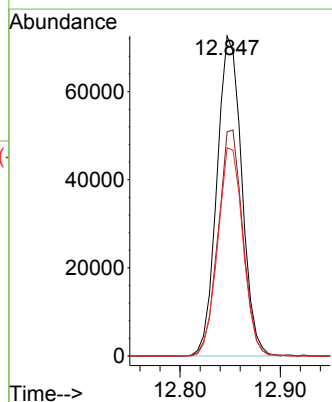
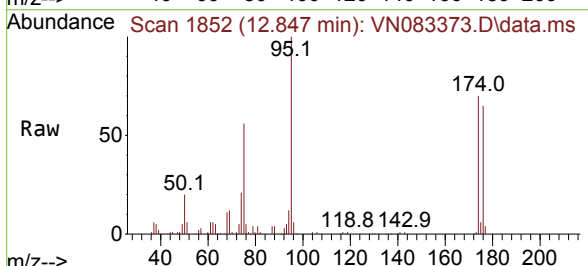
Instrument :
MSVOA_N
ClientSampleId :

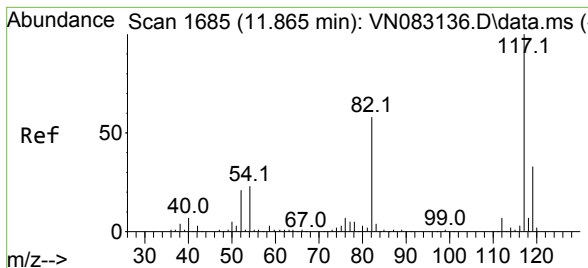
Tgt Ion: 75 Resp: 1270
Ion Ratio Lower Upper
75 100
77 141.6 25.7 38.5#



#62
4-Bromofluorobenzene
Concen: 47.065 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

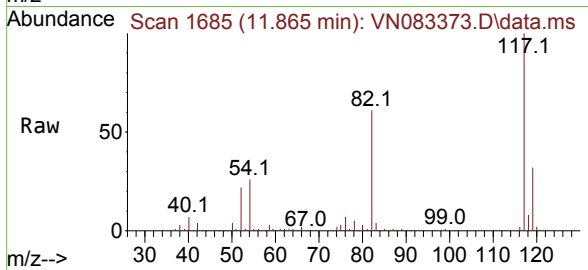
Tgt Ion: 95 Resp: 124576
Ion Ratio Lower Upper
95 100
174 70.5 0.0 159.2
176 66.3 0.0 147.6



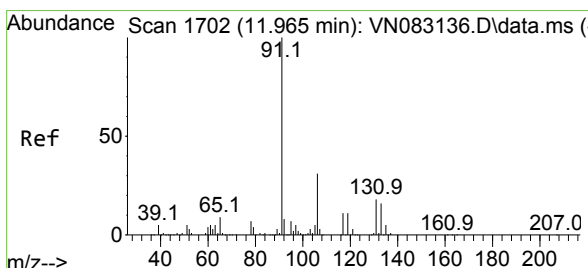
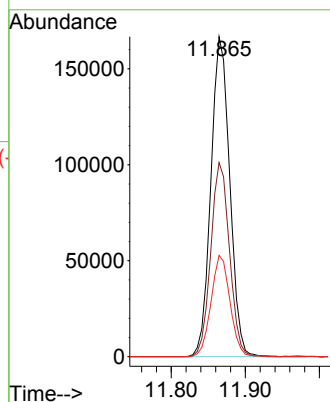
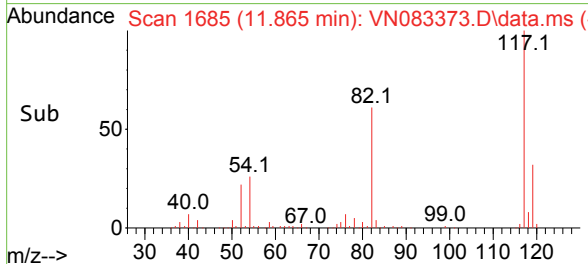


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :

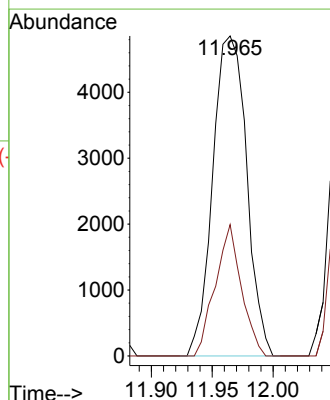
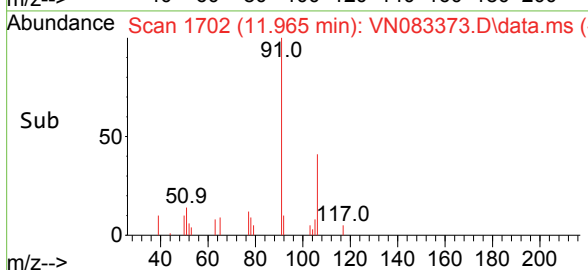
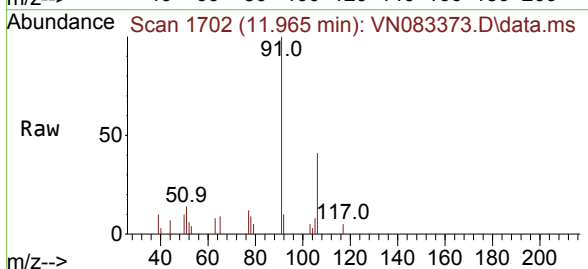


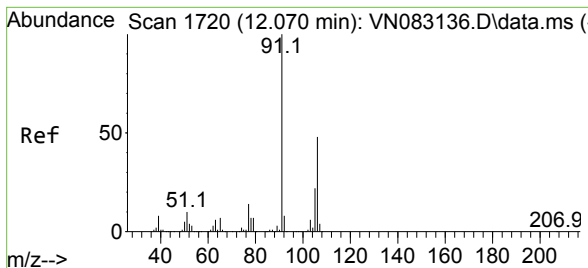
Tgt Ion:117 Resp: 294848
Ion Ratio Lower Upper
117 100
82 60.7 47.5 71.3
119 31.7 25.6 38.4



#67
Ethyl Benzene
Concen: 0.785 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

Tgt Ion: 91 Resp: 9381
Ion Ratio Lower Upper
91 100
106 41.1 24.0 36.0#

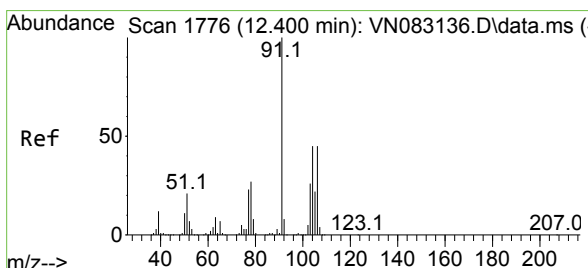
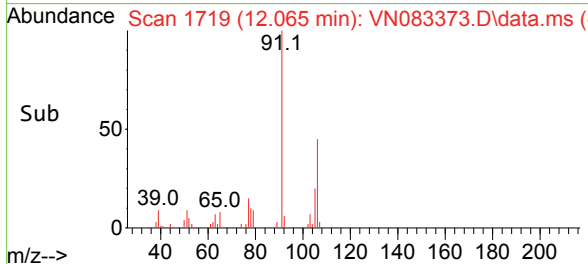
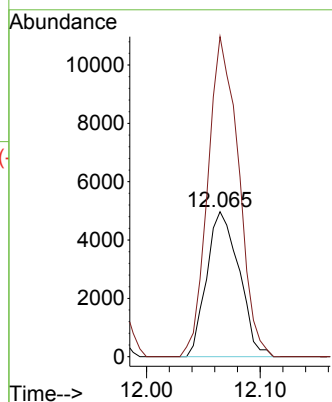
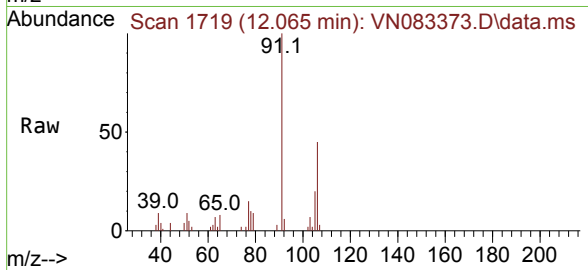




#68
m/p-Xylenes
Concen: 2.203 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

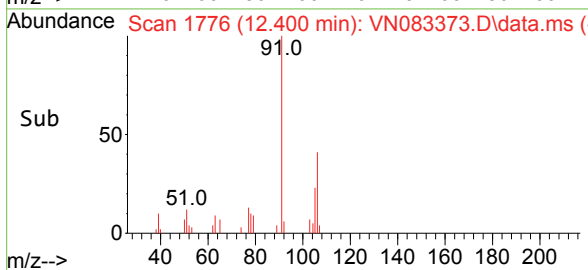
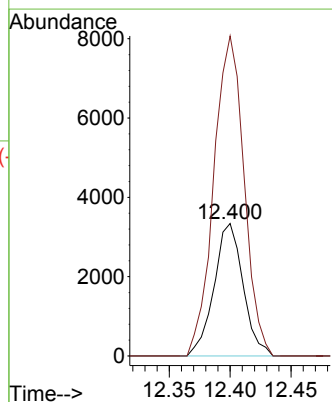
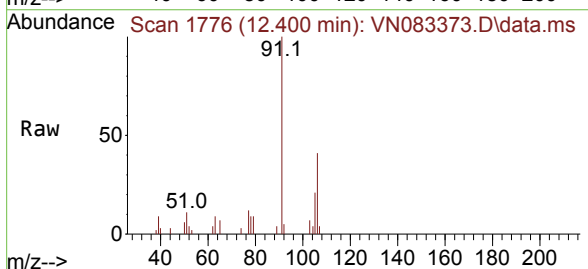
Instrument :
MSVOA_N
ClientSampleId :

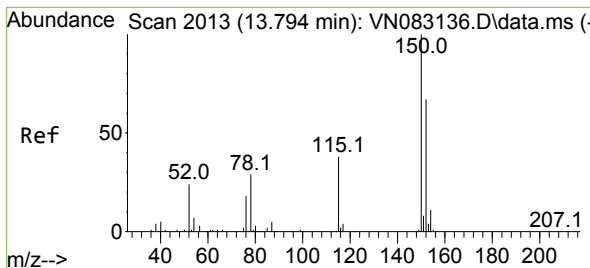
Tgt Ion:106 Resp: 9866
Ion Ratio Lower Upper
106 100
91 209.4 166.1 249.1



#69
o-Xylene
Concen: 1.256 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

Tgt Ion:106 Resp: 5546
Ion Ratio Lower Upper
106 100
91 251.8 111.3 333.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

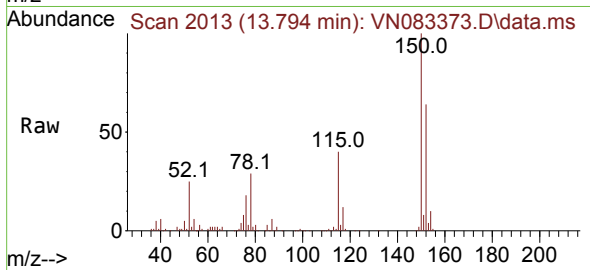
Lab File: VN083373.D

Acq: 19 Aug 2024 15:27

Instrument :

MSVOA_N

ClientSampleId :



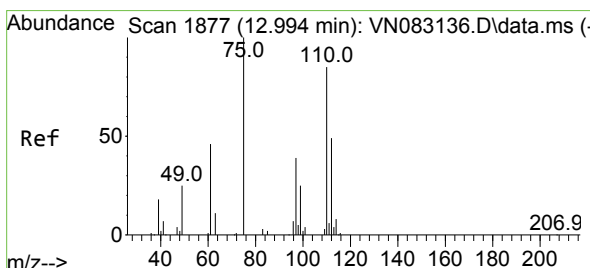
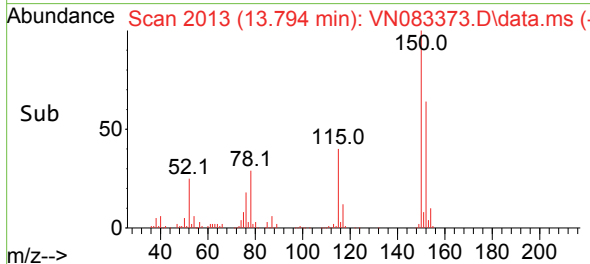
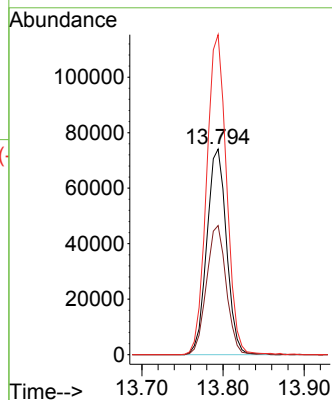
Tgt Ion:152 Resp: 124426

Ion Ratio Lower Upper

152 100

115 63.3 30.6 91.6

150 157.6 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 25.205 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083373.D

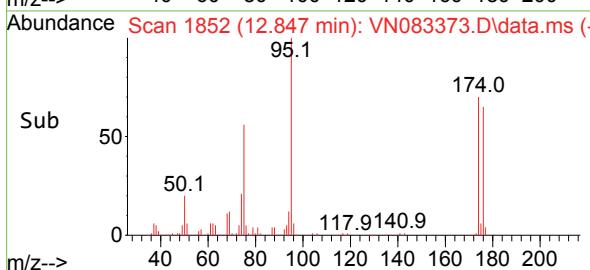
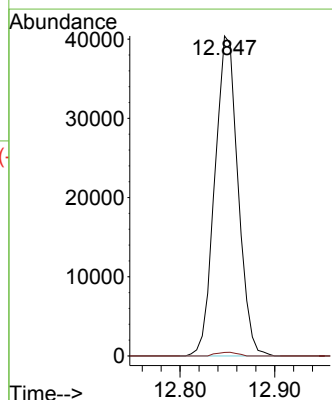
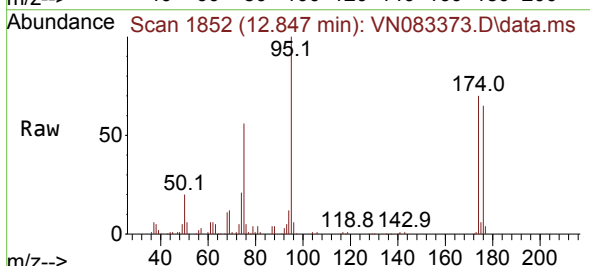
Acq: 19 Aug 2024 15:27

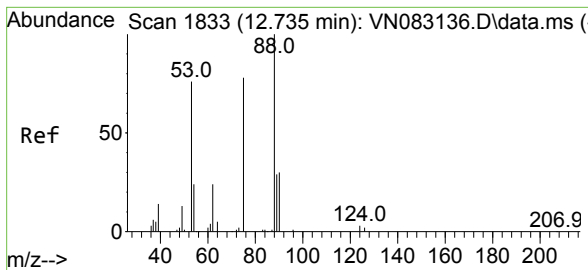
Tgt Ion: 75 Resp: 68832

Ion Ratio Lower Upper

75 100

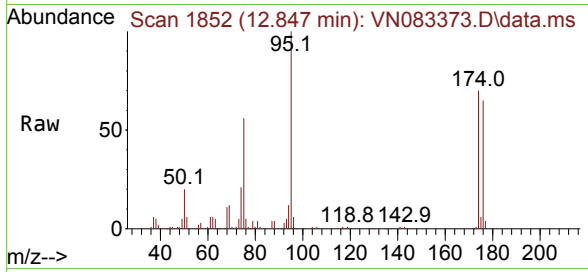
77 1.1 110.9 332.6#



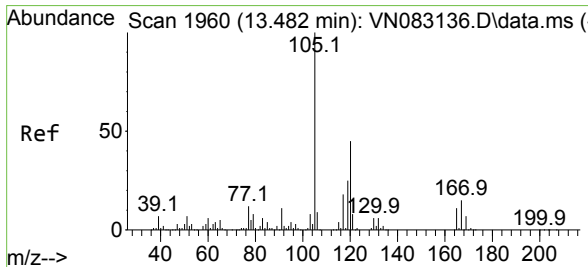
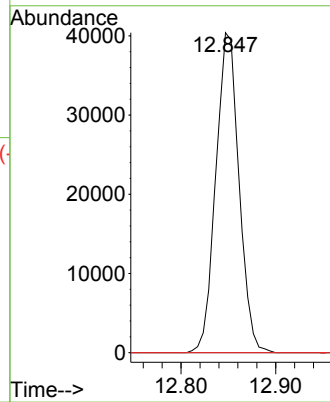
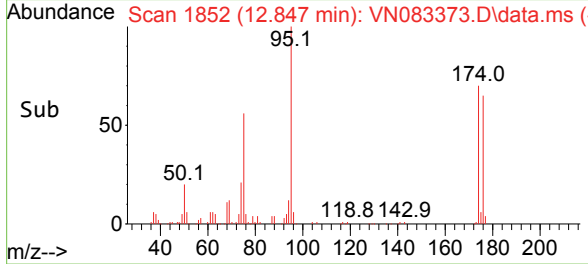


#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.828 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN083373.D
 Acq: 19 Aug 2024 15:27

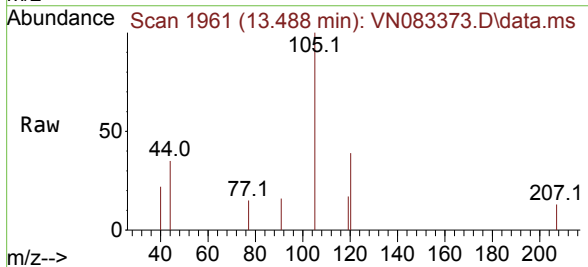
Instrument :
 MSVOA_N
 ClientSampleId :



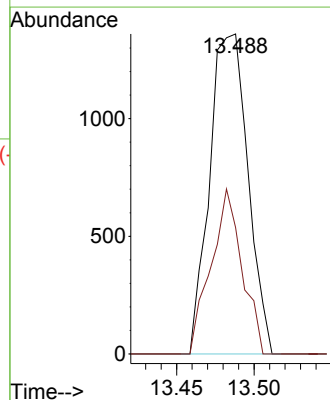
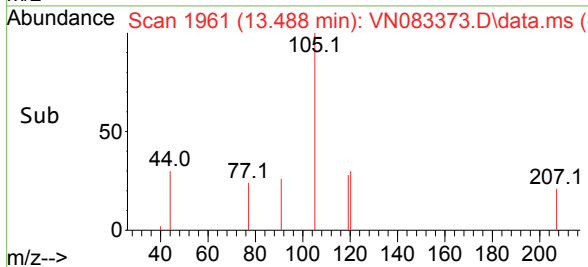
Tgt Ion: 75 Resp: 68832
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.4 132.6#
 89 0.0 36.3 54.5#

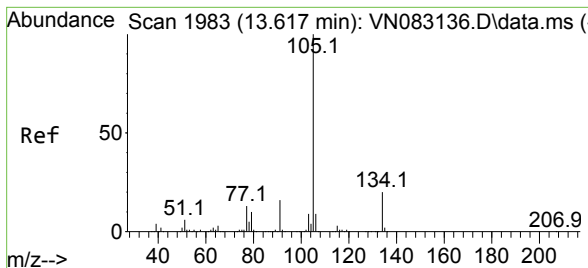


#84
 1,2,4-Trimethylbenzene
 Concen: 0.266 ug/l
 RT: 13.488 min Scan# 1961
 Delta R.T. 0.006 min
 Lab File: VN083373.D
 Acq: 19 Aug 2024 15:27



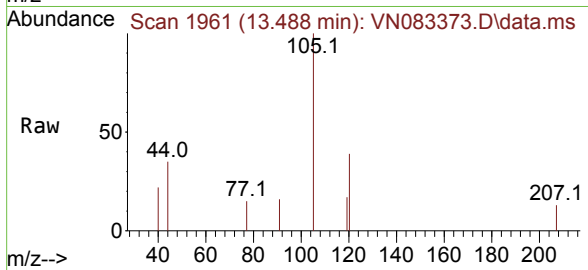
Tgt Ion: 105 Resp: 2334
 Ion Ratio Lower Upper
 105 100
 120 41.7 21.9 65.8



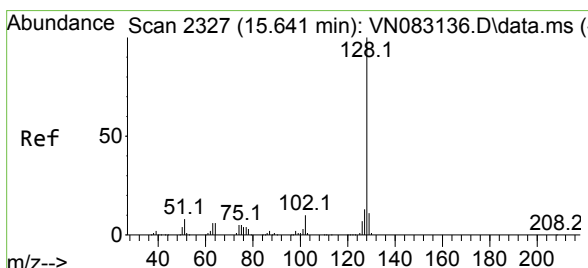
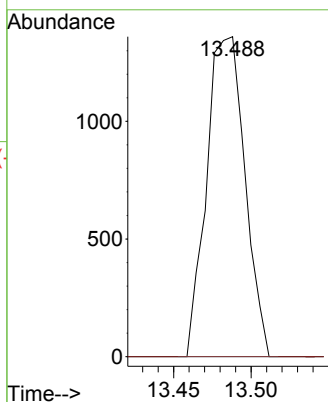
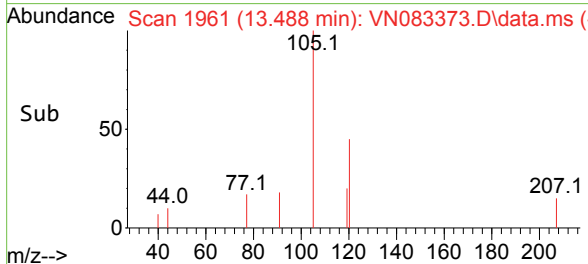


#85
 sec-Butylbenzene
 Concen: 0.222 ug/l
 RT: 13.488 min Scan# 1983
 Delta R.T. -0.129 min
 Lab File: VN083373.D
 Acq: 19 Aug 2024 15:27

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:105 Resp: 2334
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#95
 Naphthalene
 Concen: 0.295 ug/l
 RT: 15.635 min Scan# 2326
 Delta R.T. -0.006 min
 Lab File: VN083373.D
 Acq: 19 Aug 2024 15:27

Tgt Ion:128 Resp: 2464
 Ion Ratio Lower Upper
 128 100
 127 7.6 10.6 16.0#
 129 5.5 8.6 12.8#

