

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013124\
 Data File : VN080842.D
 Acq On : 31 Jan 2024 15:56
 Operator : JC\MD
 Sample : P1276-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-36

Quant Time: Jan 31 23:18:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

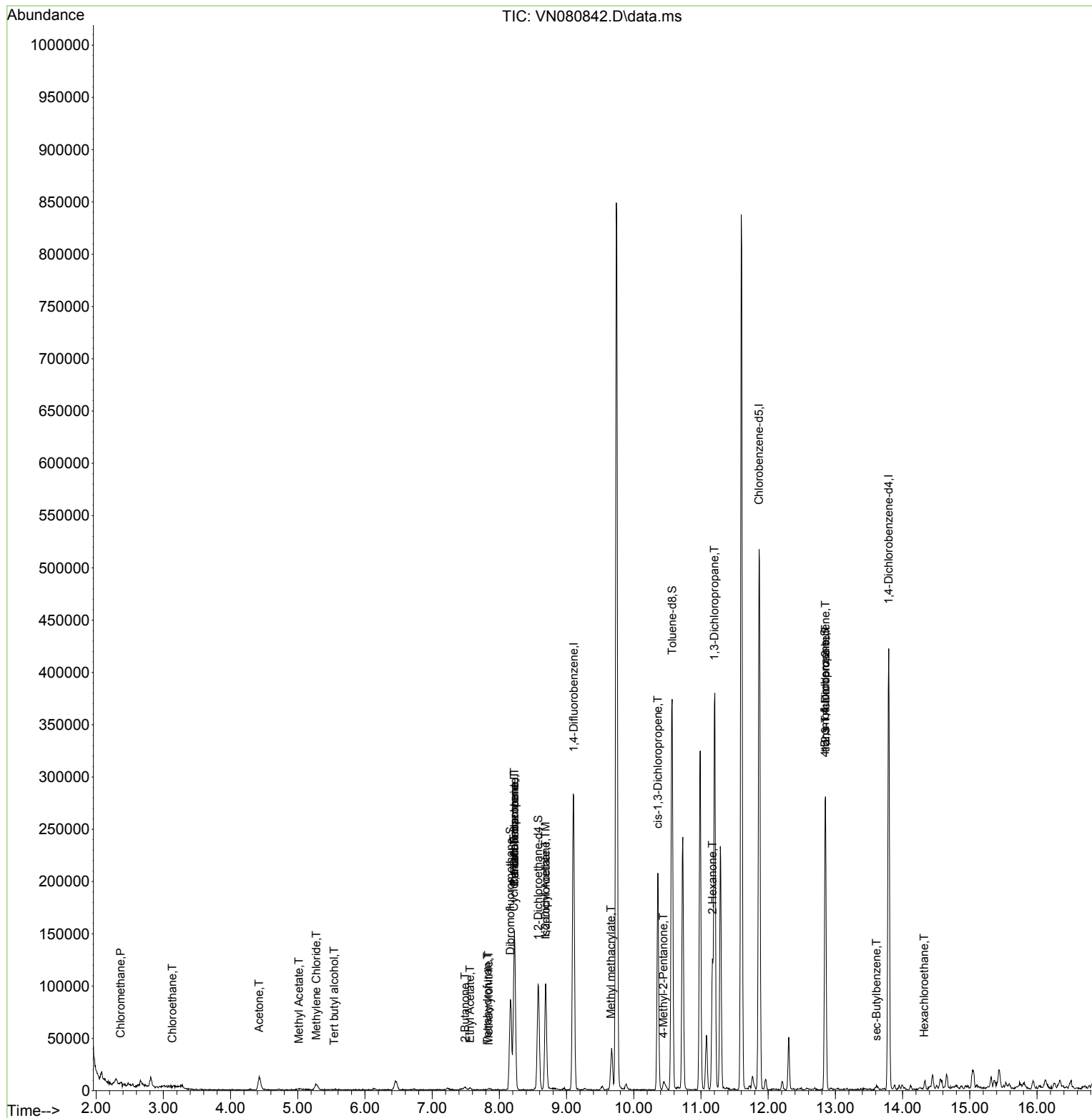
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	92543	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	222470	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	260207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	79319	49.544	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.080%
35) Dibromofluoromethane	8.165	113	59559	43.759	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.520%
50) Toluene-d8	10.570	98	245347	46.056	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.120%
62) 4-Bromofluorobenzene	12.847	95	94944	51.145	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.280%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1871	0.906	ug/l #	77
6) Chloroethane	3.136	64	590	0.704	ug/l #	42
11) Tert butyl alcohol	5.541	59	310	1.188	ug/l #	72
16) Acetone	4.424	43	23829	41.040	ug/l	95
18) Methyl Acetate	5.018	43	1485	0.734	ug/l #	76
20) Methylene Chloride	5.277	84	2377	1.560	ug/l #	86
25) 2-Butanone	7.488	43	5128	4.650	ug/l #	64
29) Tetrahydrofuran	7.824	42	322	0.431	ug/l #	58
31) Cyclohexane	8.218	56	4008	1.460	ug/l #	40
36) 1,1-Dichloropropene	8.224	75	10246	4.050	ug/l #	51
37) Ethyl Acetate	7.565	43	2995	1.150	ug/l #	78
38) Carbon Tetrachloride	8.224	117	11341	5.564	ug/l #	14
41) Methacrylonitrile	7.841	41	523	0.341	ug/l #	22
42) 1,2-Dichloroethane	8.688	62	528	0.218	ug/l #	75
43) Isopropyl Acetate	8.688	43	114979	24.250	ug/l #	91
48) Methyl methacrylate	9.659	41	3377	1.469	ug/l #	45
51) 4-Methyl-2-Pentanone	10.441	43	9282	3.502	ug/l #	79
54) cis-1,3-Dichloropropene	10.359	75	34180	11.141	ug/l #	68
57) 1,3-Dichloropropane	11.200	76	4355	1.412	ug/l #	43
59) 2-Hexanone	11.170	43	112799	54.787	ug/l #	26
76) 1,2,3-Trichloropropane	12.853	75	55753	19.732	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	55753	50.832	ug/l #	14
85) sec-Butylbenzene	13.611	105	1869	0.232	ug/l #	76
90) Hexachloroethane	14.323	117	523	0.478	ug/l #	21

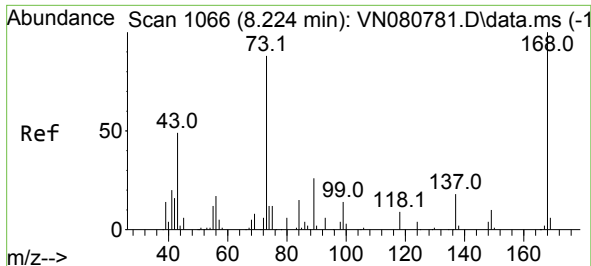
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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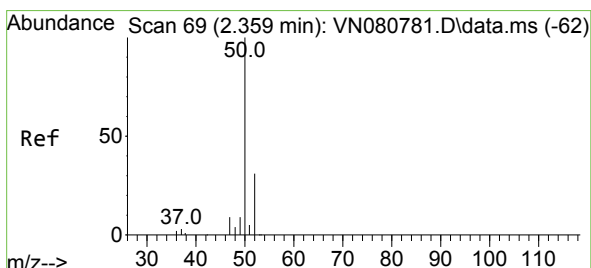
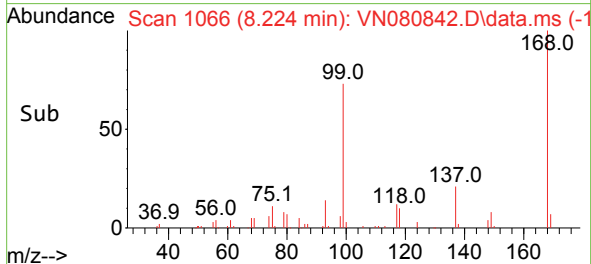
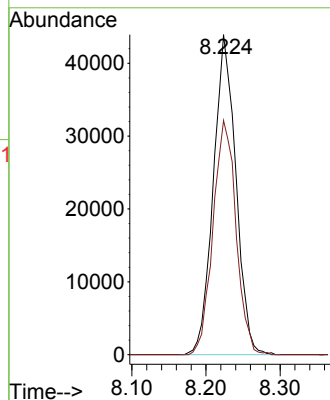
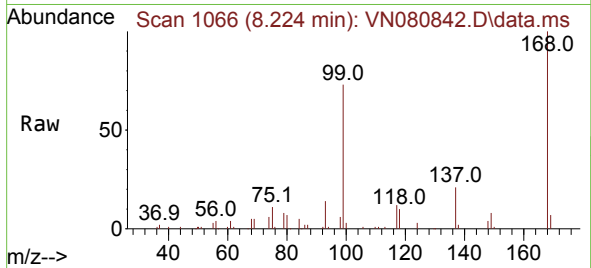




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

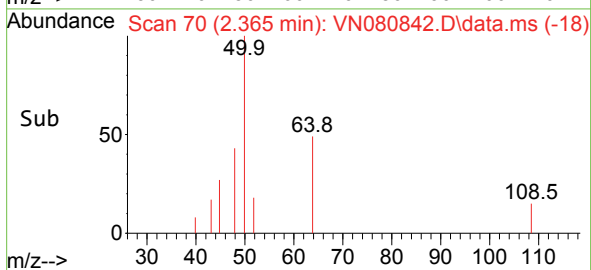
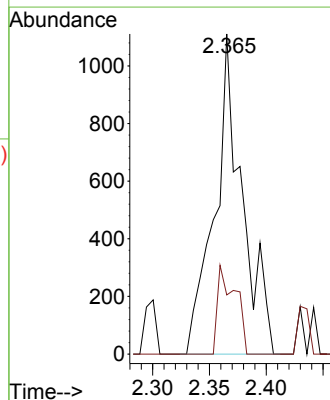
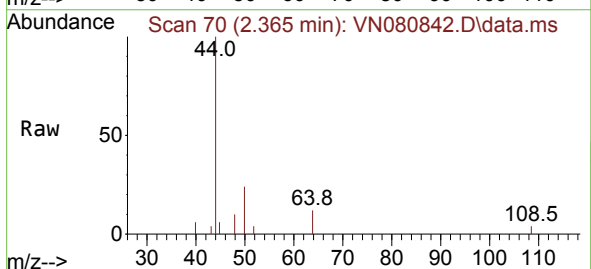
Instrument :
MSVOA_N
ClientSampleId :
TP-36

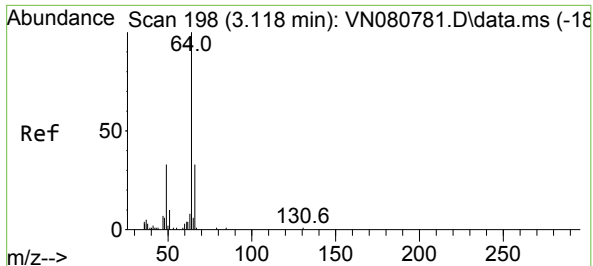
Tgt Ion:168 Resp: 92543
Ion Ratio Lower Upper
168 100
99 73.2 59.9 89.9



#3
Chloromethane
Concen: 0.906 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

Tgt Ion: 50 Resp: 1871
Ion Ratio Lower Upper
50 100
52 18.5 25.0 37.4#

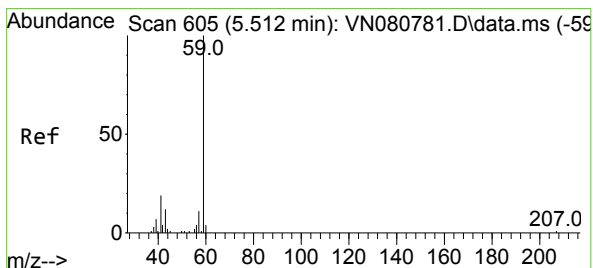
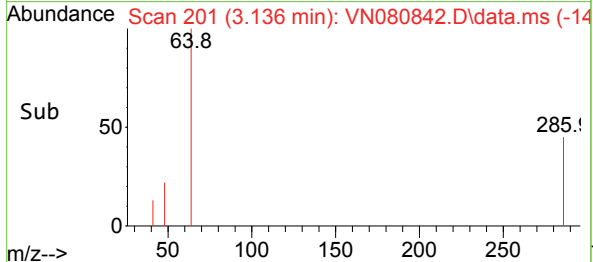
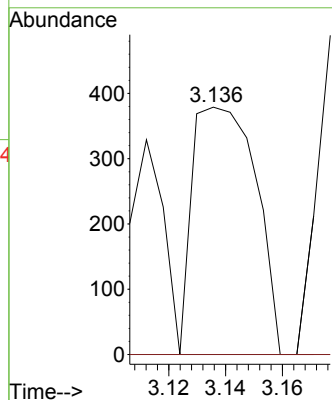
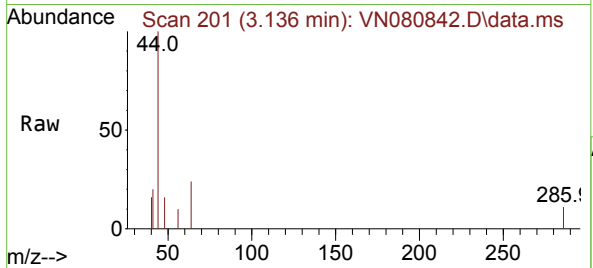




#6
Chloroethane
Concen: 0.704 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

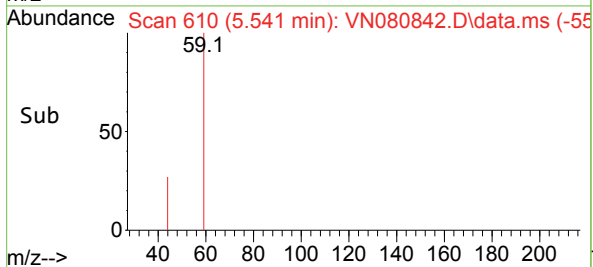
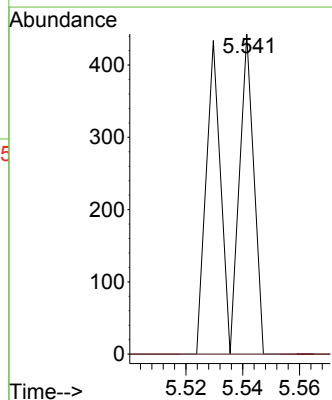
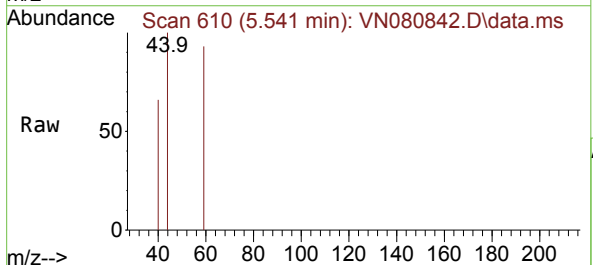
Instrument :
MSVOA_N
ClientSampleId :
TP-36

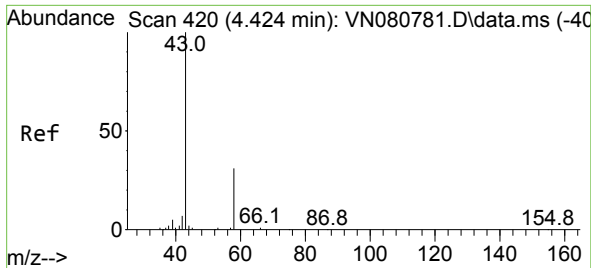
Tgt Ion: 64 Resp: 590
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 1.188 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.029 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

Tgt Ion: 59 Resp: 310
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

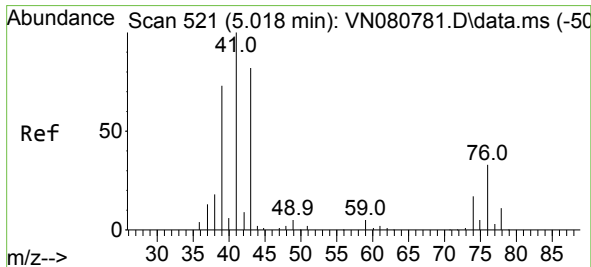
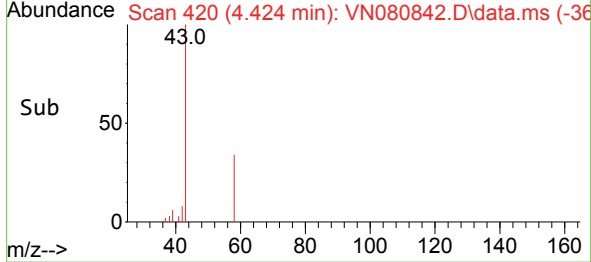
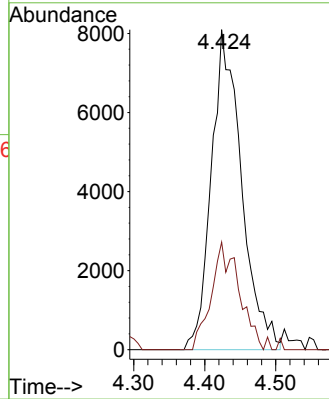
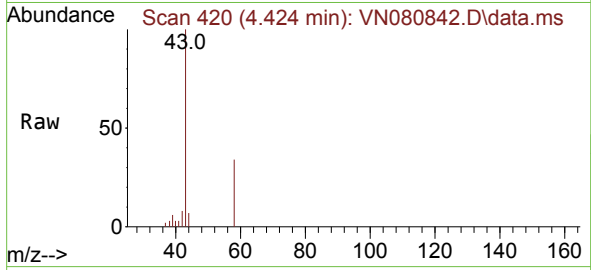




#16
Acetone
Concen: 41.040 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

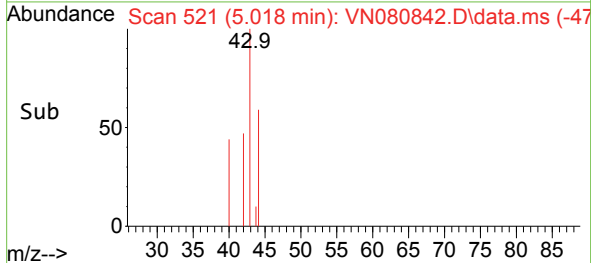
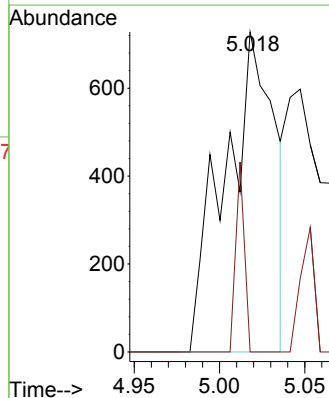
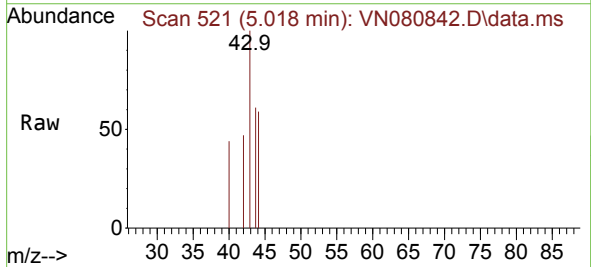
Instrument :
MSVOA_N
ClientSampleId :
TP-36

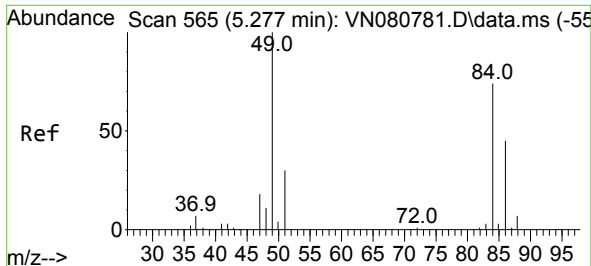
Tgt Ion: 43 Resp: 23829
Ion Ratio Lower Upper
43 100
58 33.6 24.8 37.2



#18
Methyl Acetate
Concen: 0.734 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

Tgt Ion: 43 Resp: 1485
Ion Ratio Lower Upper
43 100
74 10.2 17.3 25.9#

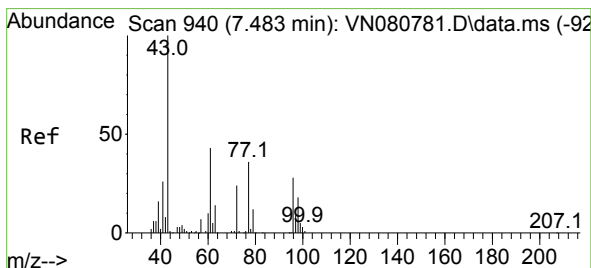
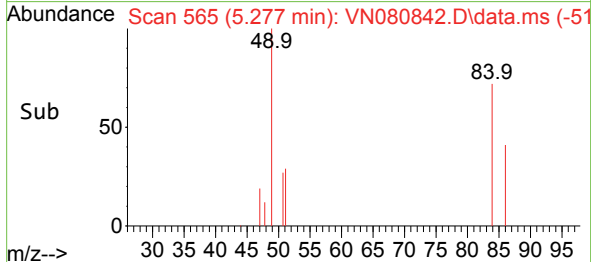
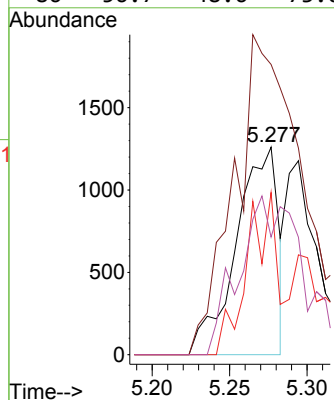
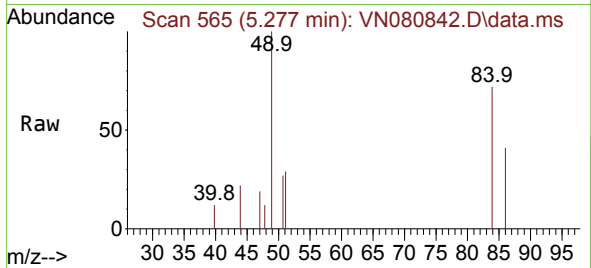




#20
Methylene Chloride
Concen: 1.560 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

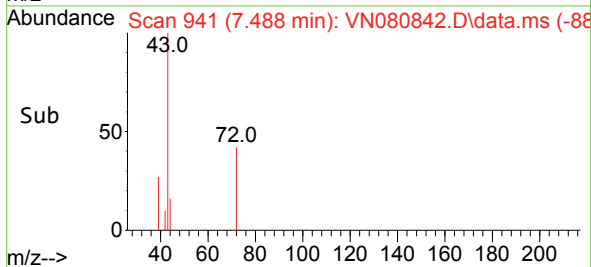
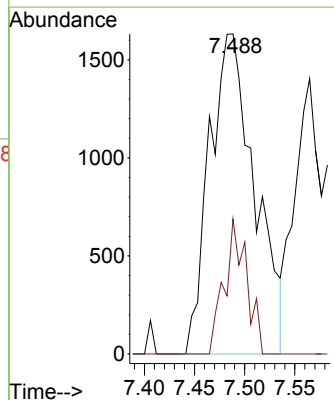
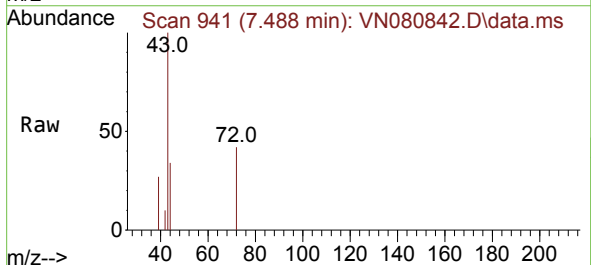
Instrument :
MSVOA_N
ClientSampleId :
TP-36

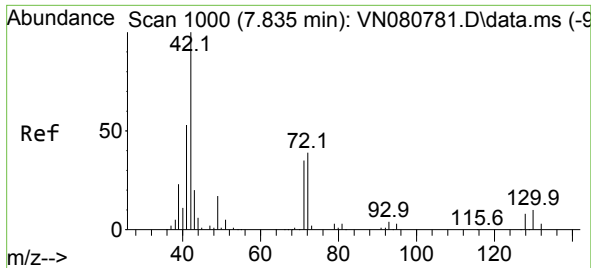
Tgt Ion: 84 Resp: 2377
Ion Ratio Lower Upper
84 100
49 139.8 108.1 162.1
51 78.2 32.9 49.3#
86 56.7 48.6 73.0



#25
2-Butanone
Concen: 4.650 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

Tgt Ion: 43 Resp: 5128
Ion Ratio Lower Upper
43 100
72 42.2 19.5 29.3#

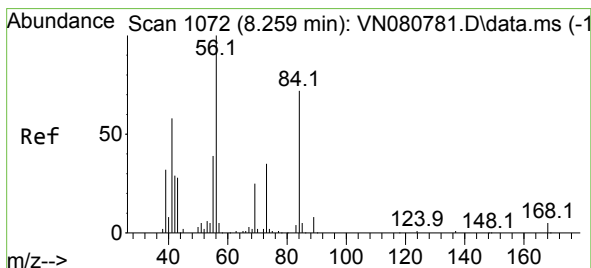
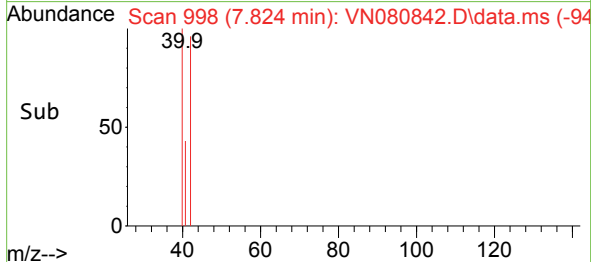
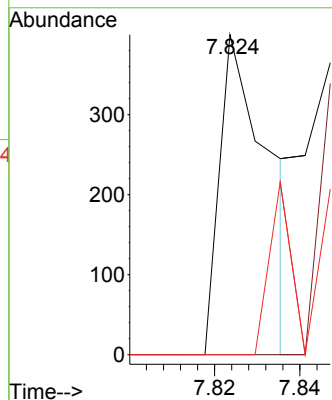
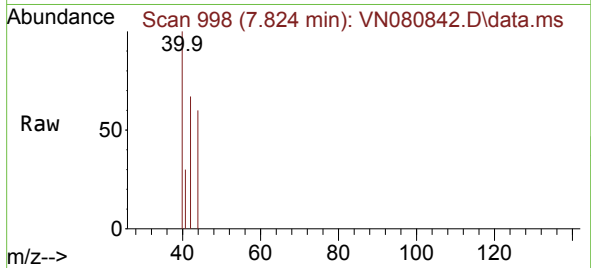




#29
Tetrahydrofuran
Concen: 0.431 ug/l
RT: 7.824 min Scan# 91
Delta R.T. -0.012 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

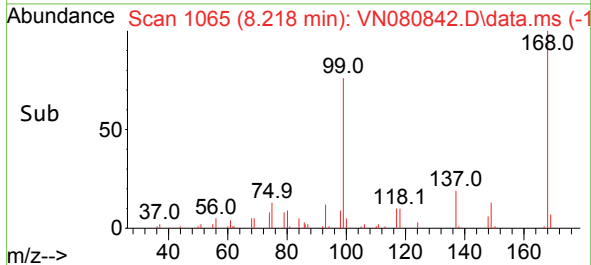
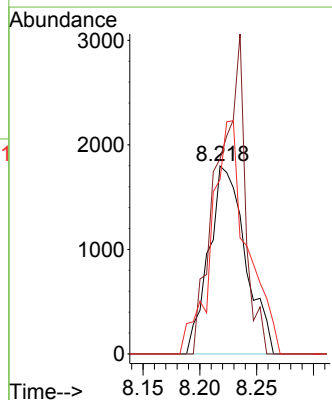
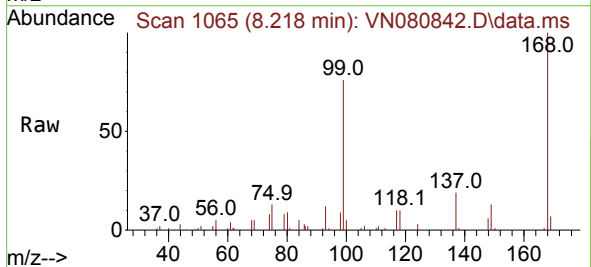
Instrument :
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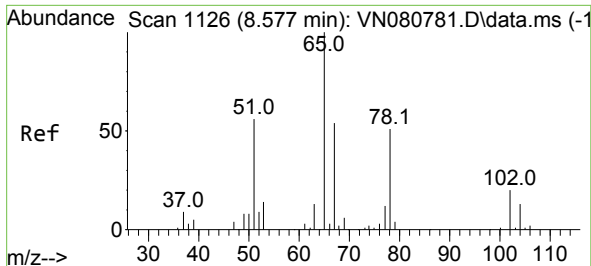
Tgt Ion: 42 Resp: 322
Ion Ratio Lower Upper
42 100
72 0.0 31.1 46.7#
71 46.3 28.3 42.5#



#31
Cyclohexane
Concen: 1.460 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

Tgt Ion: 56 Resp: 4008
Ion Ratio Lower Upper
56 100
69 103.8 20.1 30.1#
84 92.8 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 49.544 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN080842.D

Acq: 31 Jan 2024 15:56

Instrument :

MSVOA_N

ClientSampleId :

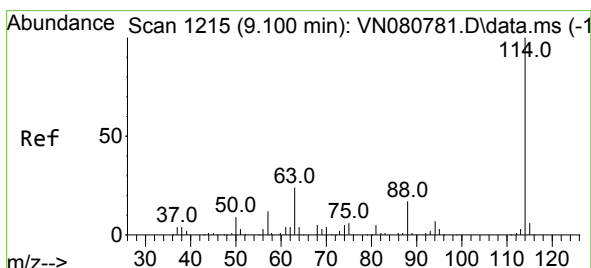
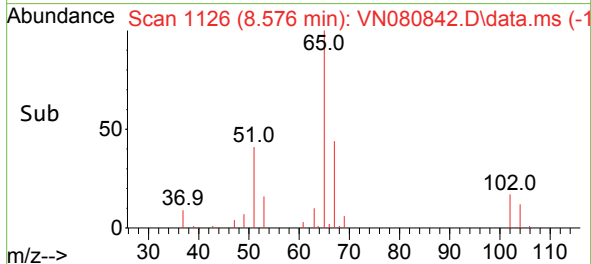
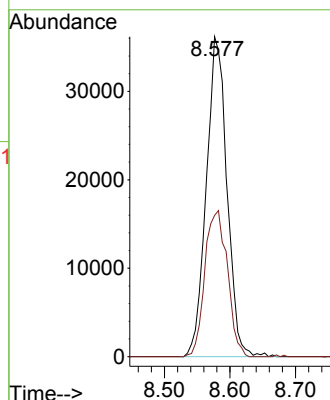
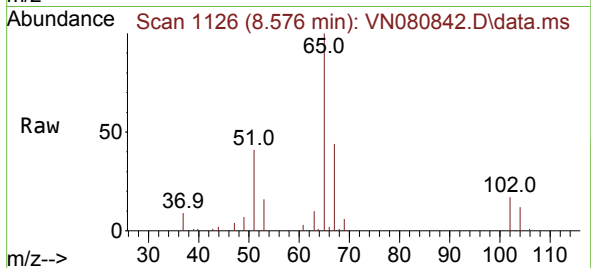
TP-36

Tgt Ion: 65 Resp: 79319

Ion Ratio Lower Upper

65 100

67 49.7 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN080842.D

Acq: 31 Jan 2024 15:56

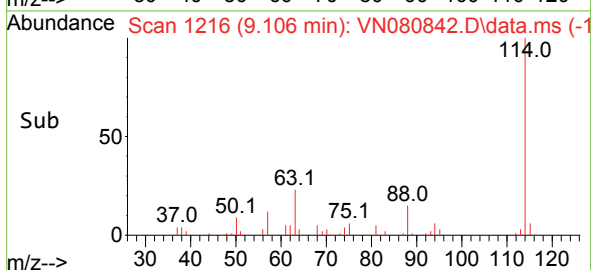
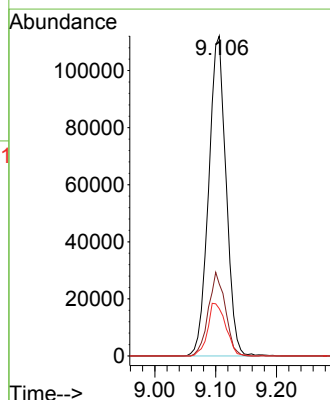
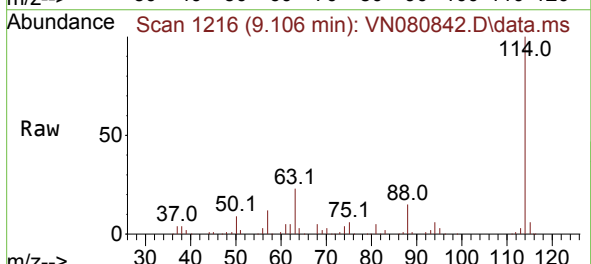
Tgt Ion: 114 Resp: 222470

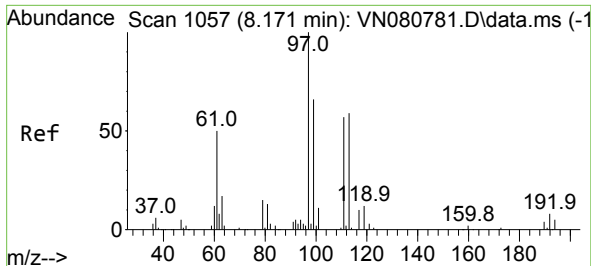
Ion Ratio Lower Upper

114 100

63 22.5 0.0 48.0

88 14.8 0.0 34.8

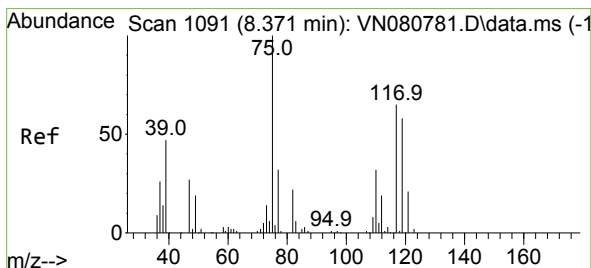
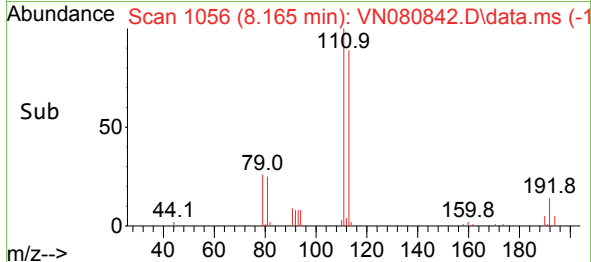
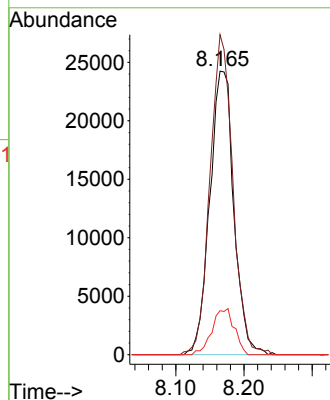
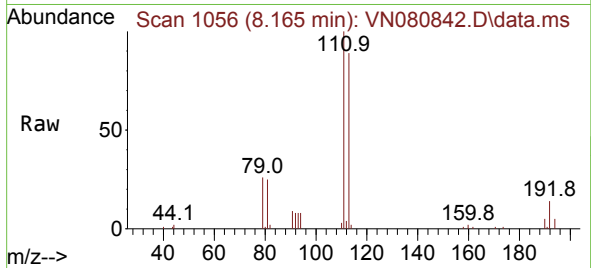




#35
 Dibromofluoromethane
 Concen: 43.759 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. -0.006 min
 Lab File: VN080842.D
 Acq: 31 Jan 2024 15:56

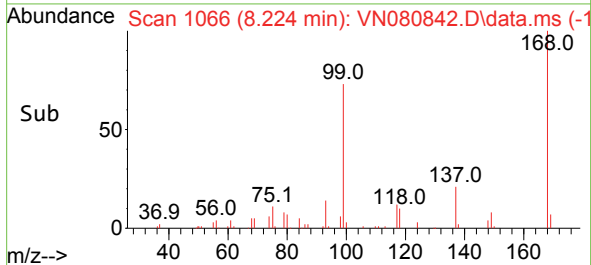
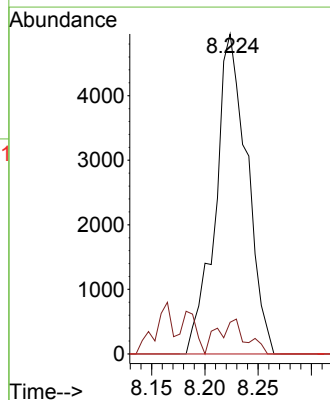
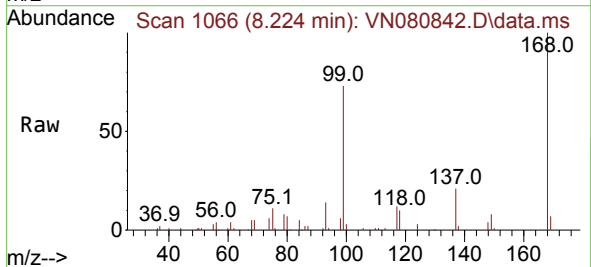
Instrument :
 MSVOA_N
 ClientSampleId :
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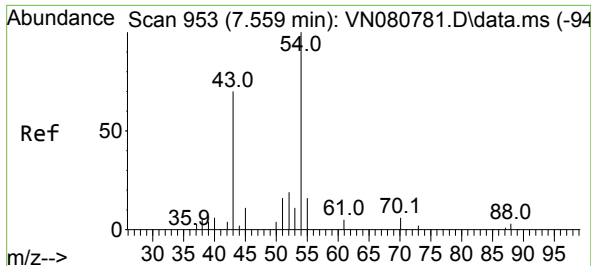
Tgt Ion:113 Resp: 59559
 Ion Ratio Lower Upper
 113 100
 111 107.0 82.2 123.4
 192 15.1 12.5 18.7



#36
 1,1-Dichloropropene
 Concen: 4.050 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.147 min
 Lab File: VN080842.D
 Acq: 31 Jan 2024 15:56

Tgt Ion: 75 Resp: 10246
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.0 48.0#
 77 0.0 25.8 38.6#

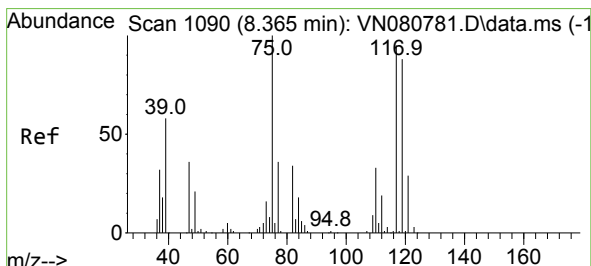
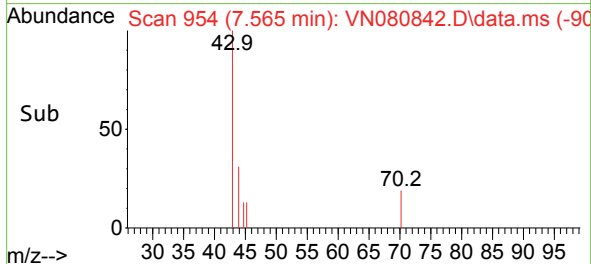
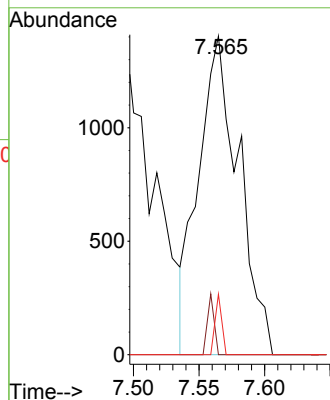
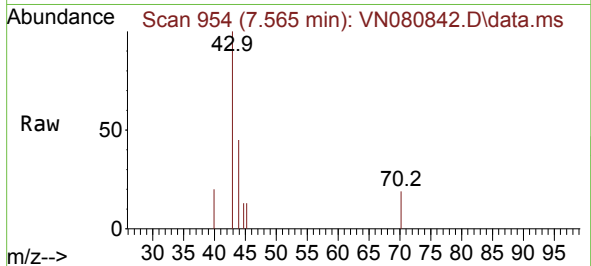




#37
Ethyl Acetate
Concen: 1.150 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

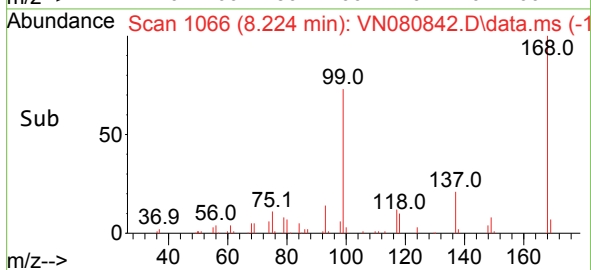
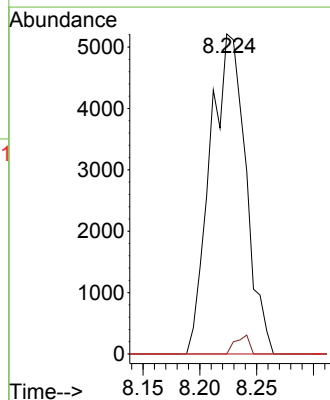
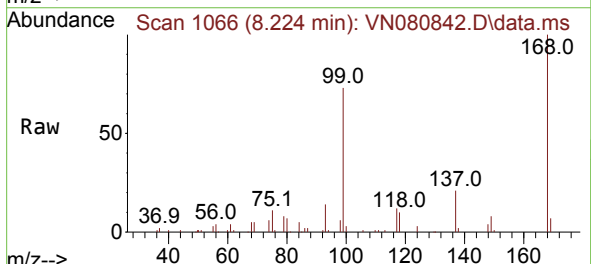
Instrument :
MSVOA_N
ClientSampleId :
TP-36

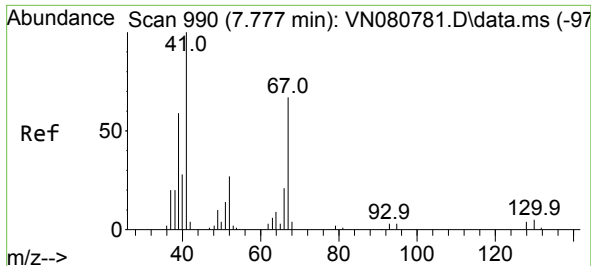
Tgt Ion:	43	Resp:	2995
Ion	Ratio	Lower	Upper
43	100		
61	3.2	10.6	15.8#
70	3.1	8.0	12.0#



#38
Carbon Tetrachloride
Concen: 5.564 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

Tgt Ion:	117	Resp:	11341
Ion	Ratio	Lower	Upper
117	100		
119	0.0	73.4	110.2#
121	0.0	24.4	36.6#

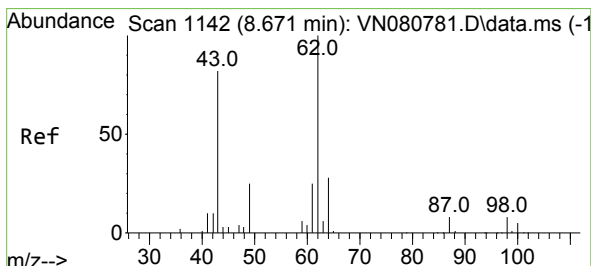
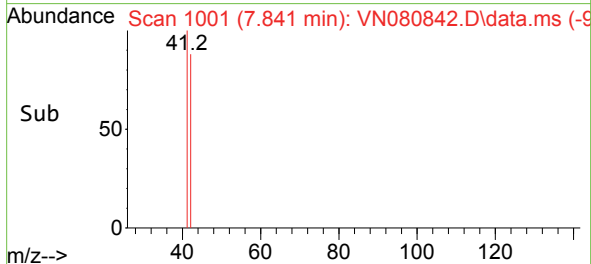
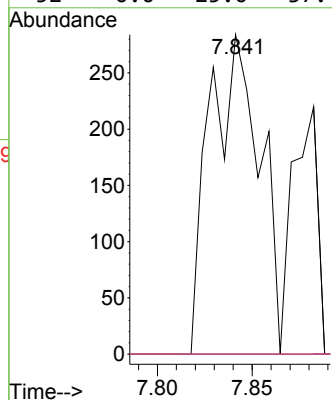
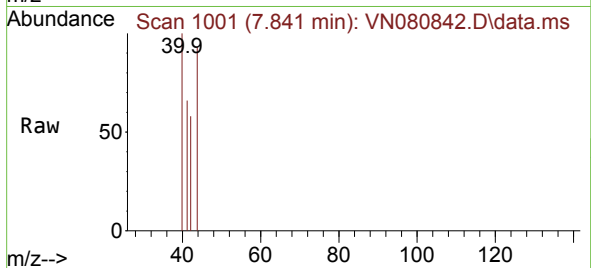




#41
Methacrylonitrile
Concen: 0.341 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.065 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

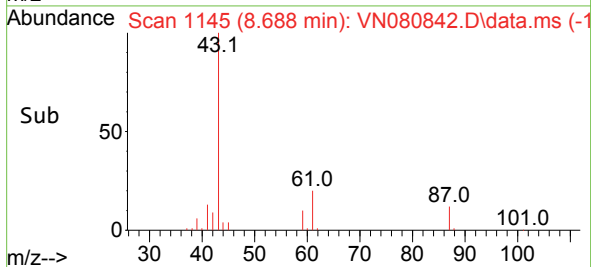
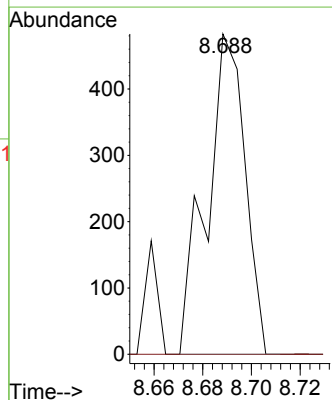
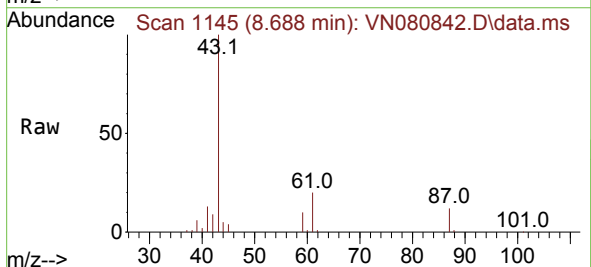
Instrument :
MSVOA_N
ClientSampleId :
TP-36

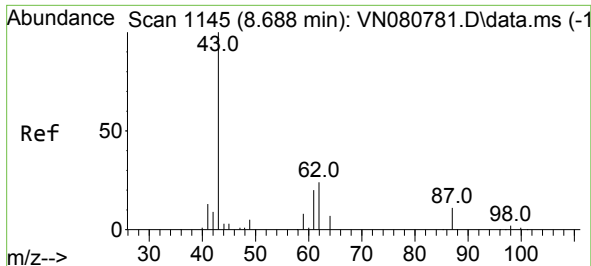
Tgt Ion: 41	Resp: 523
Ion Ratio	Lower Upper
41 100	
39 0.0	48.4 72.6#
67 0.0	56.8 85.2#
52 0.0	25.0 37.4#



#42
1,2-Dichloroethane
Concen: 0.218 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

Tgt Ion: 62	Resp: 528
Ion Ratio	Lower Upper
62 100	
98 0.0	0.0 18.0

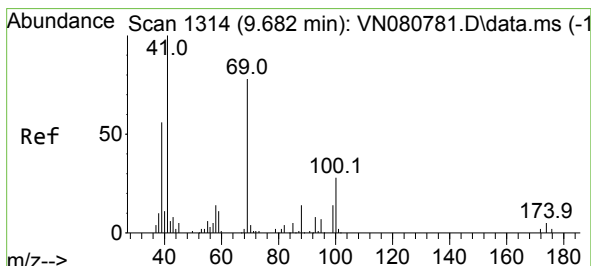
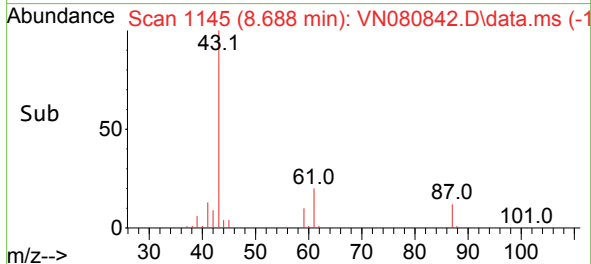
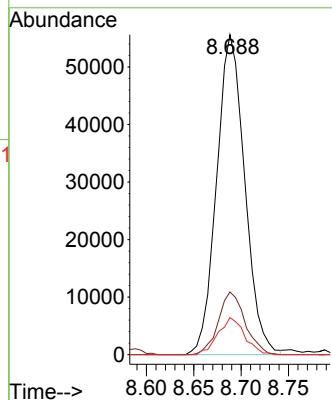
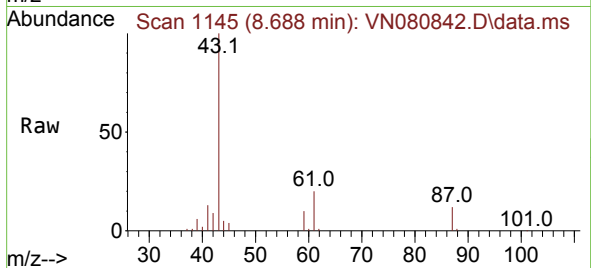




#43
Isopropyl Acetate
Concen: 24.250 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

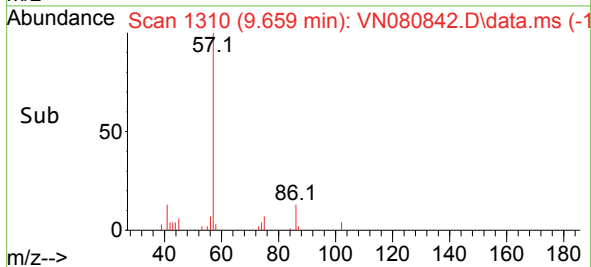
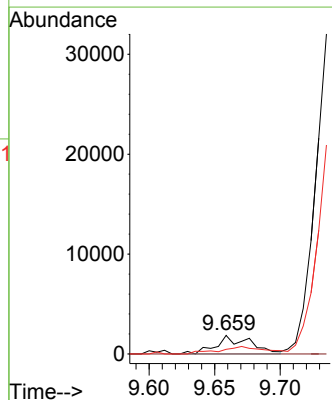
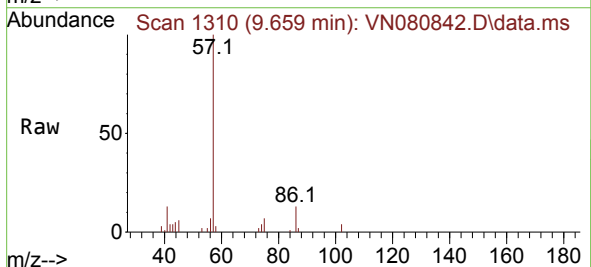
Instrument :
MSVOA_N
ClientSampleId :
TP-36

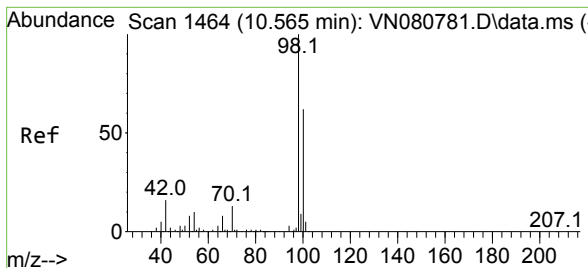
Tgt Ion: 43 Resp: 114979
Ion Ratio Lower Upper
43 100
61 18.6 19.9 29.9#
87 10.9 9.0 13.6



#48
Methyl methacrylate
Concen: 1.469 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.024 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

Tgt Ion: 41 Resp: 3377
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 52.4 47.6 71.4





#50

Toluene-d8

Concen: 46.056 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080842.D

Acq: 31 Jan 2024 15:56

Instrument :

MSVOA_N

ClientSampleId :

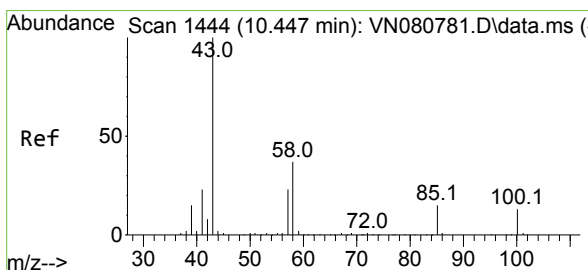
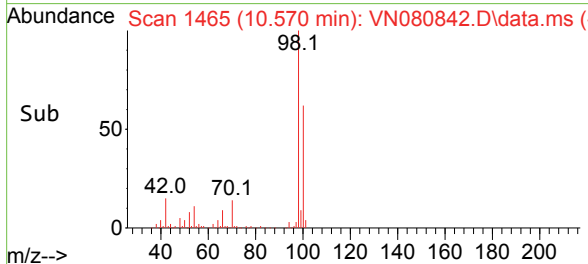
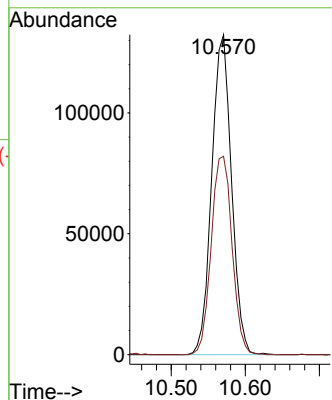
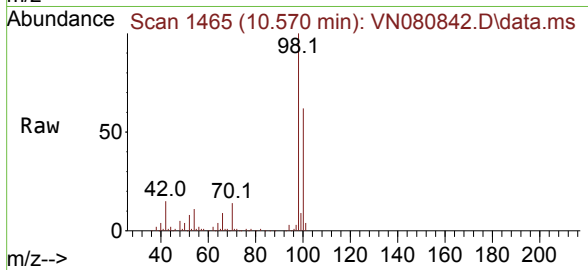
TP-36

Tgt Ion: 98 Resp: 245347

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 3.502 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.006 min

Lab File: VN080842.D

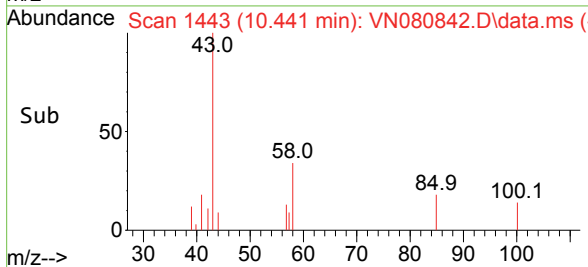
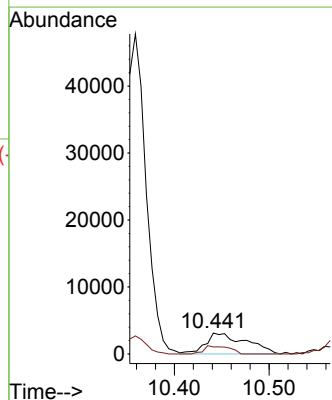
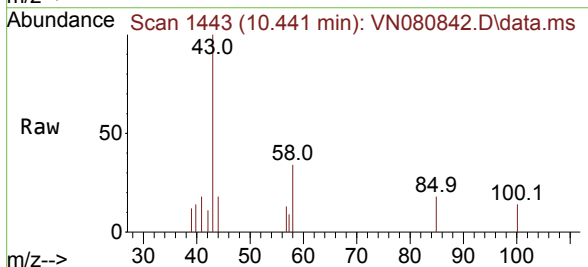
Acq: 31 Jan 2024 15:56

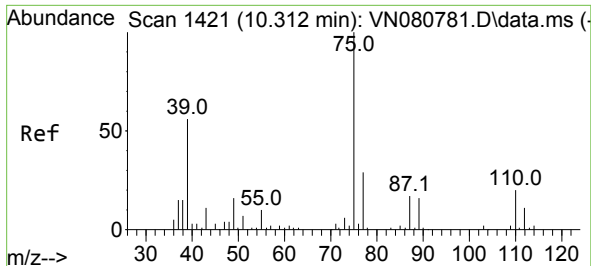
Tgt Ion: 43 Resp: 9282

Ion Ratio Lower Upper

43 100

58 24.0 29.4 44.0#

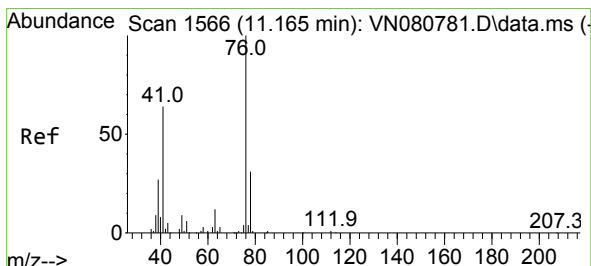
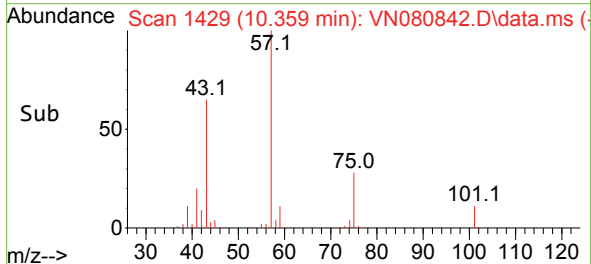
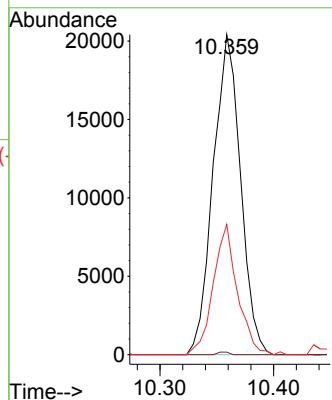
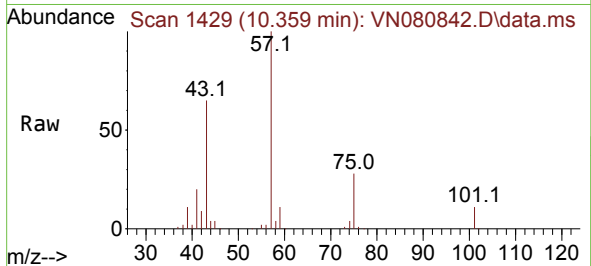




#54
cis-1,3-Dichloropropene
Concen: 11.141 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

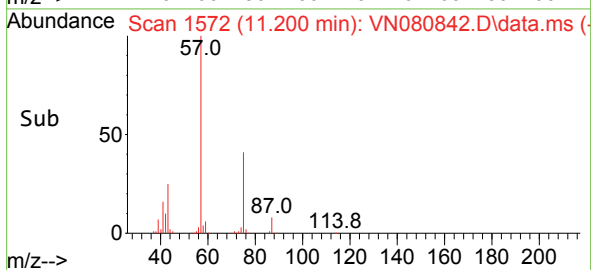
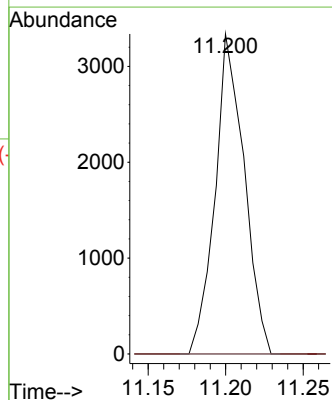
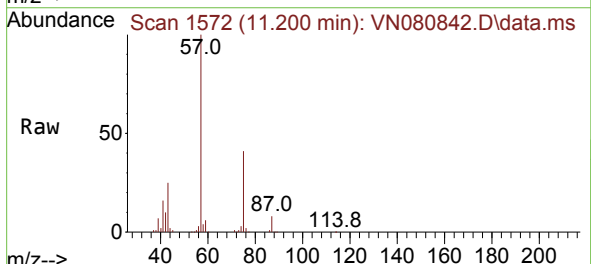
Instrument :
MSVOA_N
ClientSampleId :
TP-36

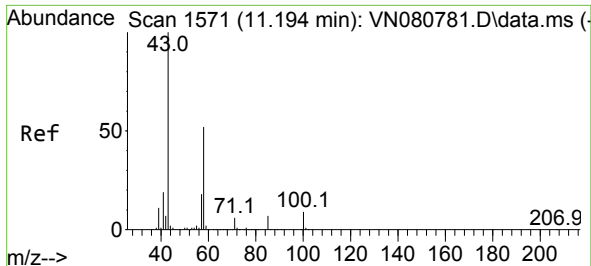
Tgt Ion:	75	Resp:	34180
Ion	Ratio	Lower	Upper
75	100		
77	0.8	23.3	34.9#
39	40.7	44.6	66.8#



#57
1,3-Dichloropropane
Concen: 1.412 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

Tgt Ion:	76	Resp:	4355
Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.5	38.3#

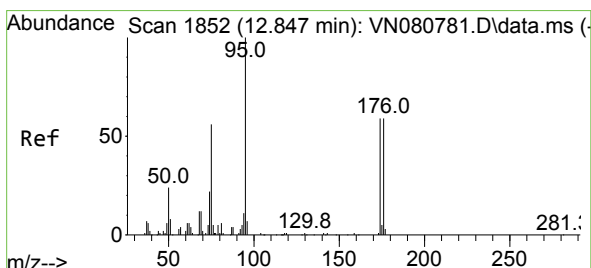
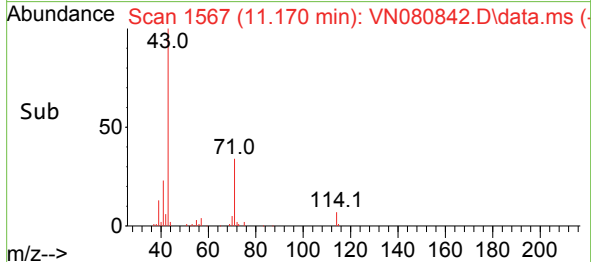
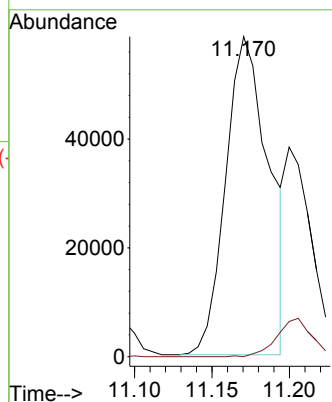
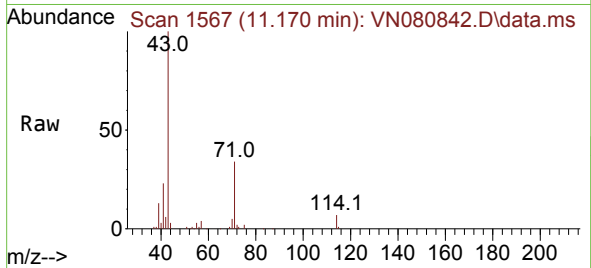




#59
2-Hexanone
Concen: 54.787 ug/l
RT: 11.170 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

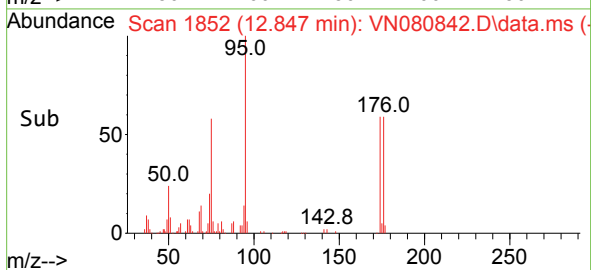
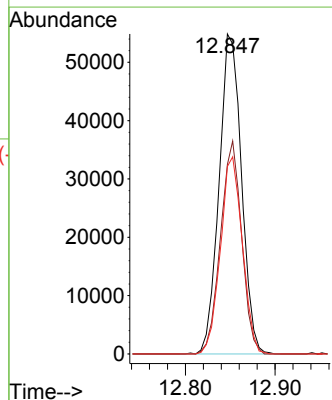
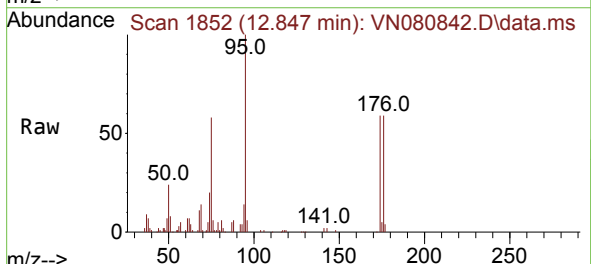
Instrument :
MSVOA_N
ClientSampleId :
TP-36

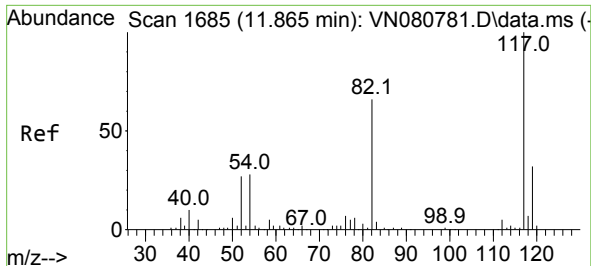
Tgt Ion: 43 Resp: 112799
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 51.145 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

Tgt Ion: 95 Resp: 94944
Ion Ratio Lower Upper
95 100
174 62.7 0.0 120.4
176 60.2 0.0 121.0

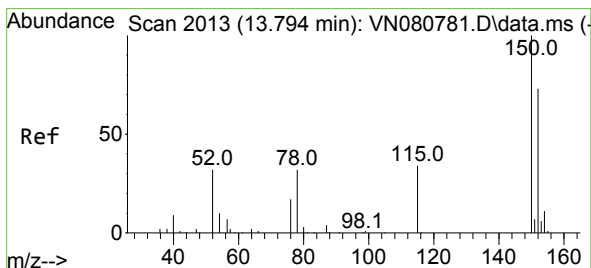
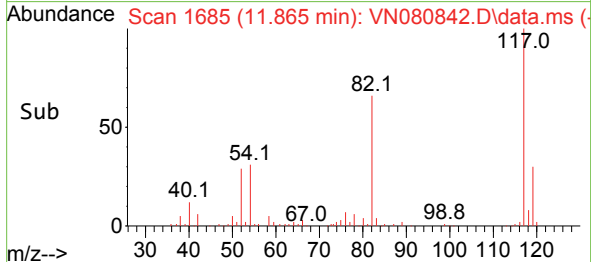
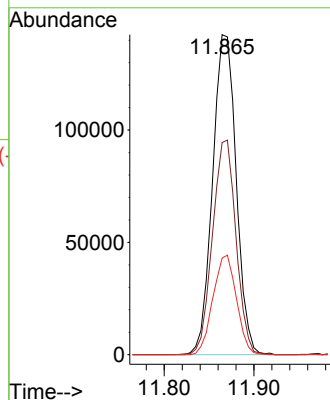
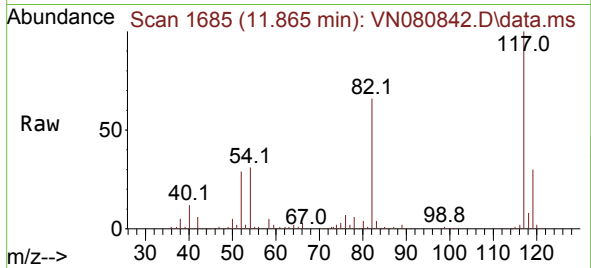




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

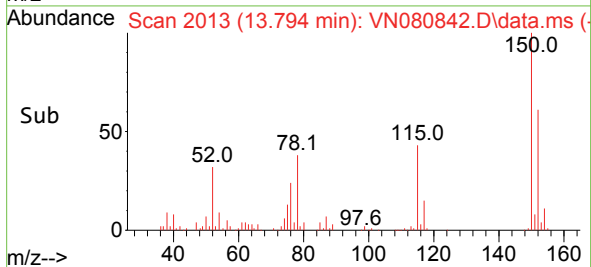
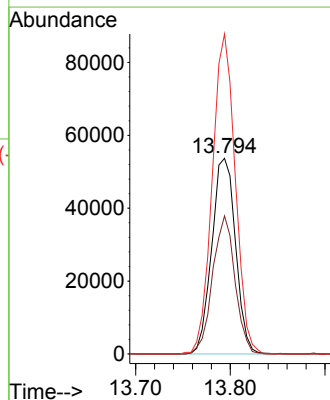
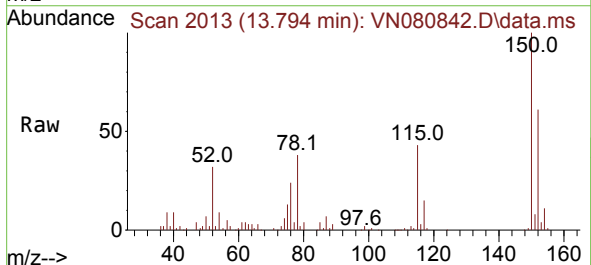
Instrument :
MSVOA_N
ClientSampleId :
TP-36

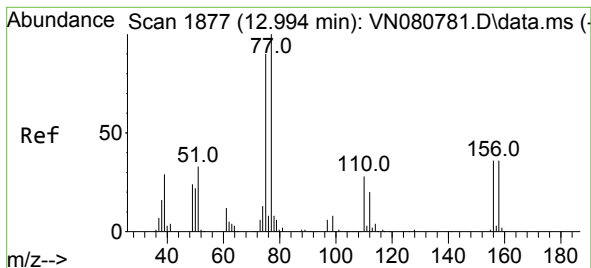
Tgt Ion:117 Resp: 260207
Ion Ratio Lower Upper
117 100
82 66.3 52.7 79.1
119 30.2 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

Tgt Ion:152 Resp: 93686
Ion Ratio Lower Upper
152 100
115 66.4 32.3 96.8
150 157.9 0.0 339.8

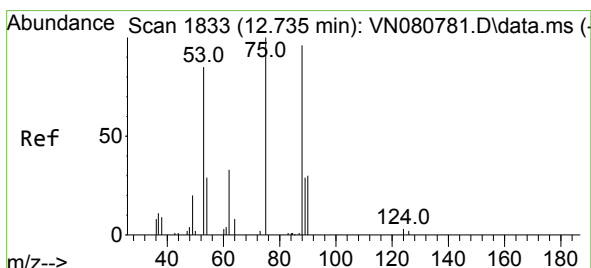
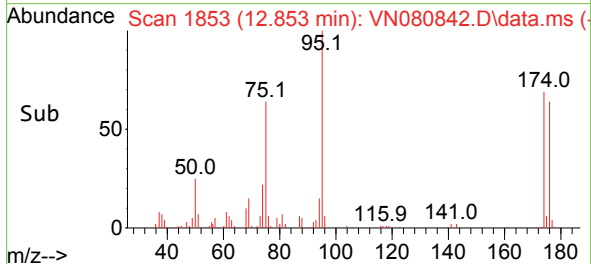
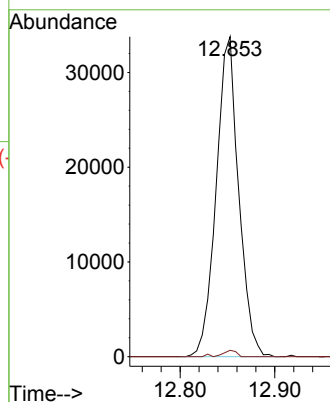
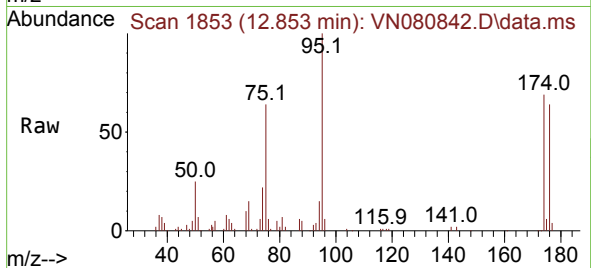




#76
1,2,3-Trichloropropane
Concen: 19.732 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

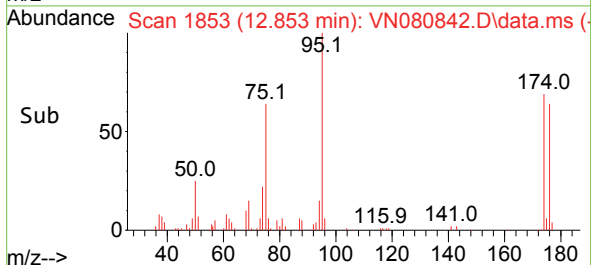
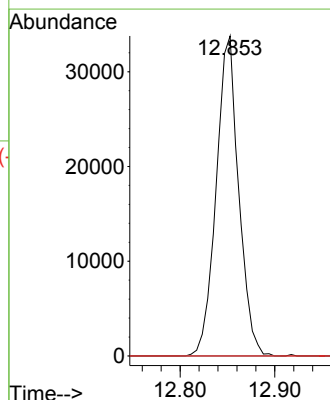
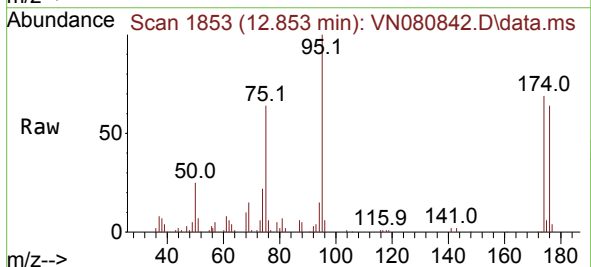
Instrument :
MSVOA_N
ClientSampleId :
TP-36

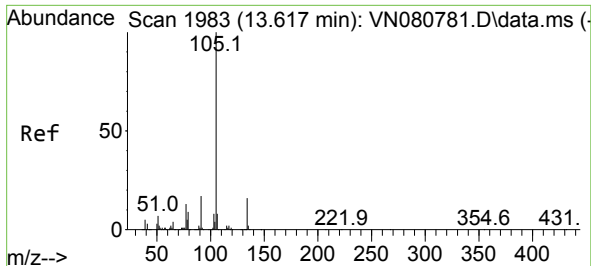
Tgt Ion: 75 Resp: 55753
Ion Ratio Lower Upper
75 100
77 1.3 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 50.832 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080842.D
Acq: 31 Jan 2024 15:56

Tgt Ion: 75 Resp: 55753
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

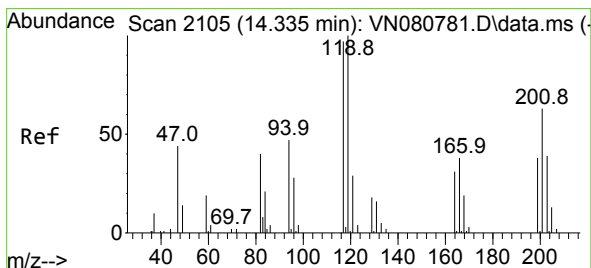
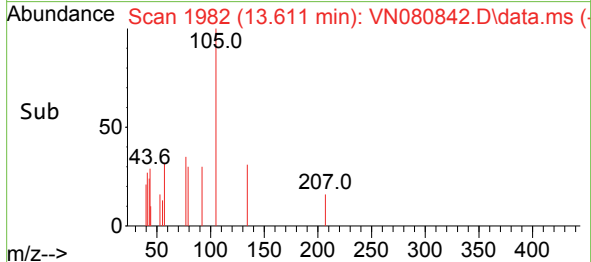
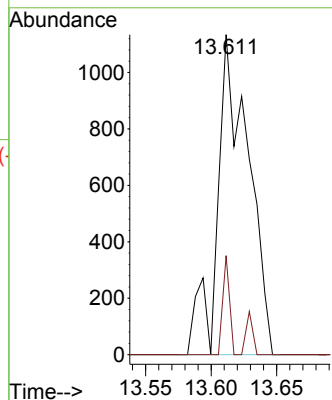
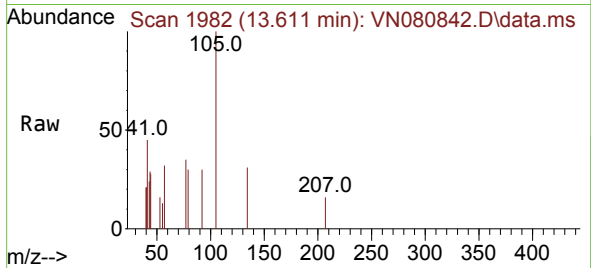




#85
 sec-Butylbenzene
 Concen: 0.232 ug/l
 RT: 13.611 min Scan# 1982
 Delta R.T. -0.006 min
 Lab File: VN080842.D
 Acq: 31 Jan 2024 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-36

Tgt Ion:105 Resp: 1869
 Ion Ratio Lower Upper
 105 100
 134 6.6 8.6 25.8#



#90
 Hexachloroethane
 Concen: 0.478 ug/l
 RT: 14.323 min Scan# 2103
 Delta R.T. -0.012 min
 Lab File: VN080842.D
 Acq: 31 Jan 2024 15:56

Tgt Ion:117 Resp: 523
 Ion Ratio Lower Upper
 117 100
 201 0.0 30.0 90.0#

