

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030624\
 Data File : VN081328.D
 Acq On : 06 Mar 2024 15:51
 Operator : JC\MD
 Sample : P1672-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-13

Quant Time: Mar 07 00:28:19 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)

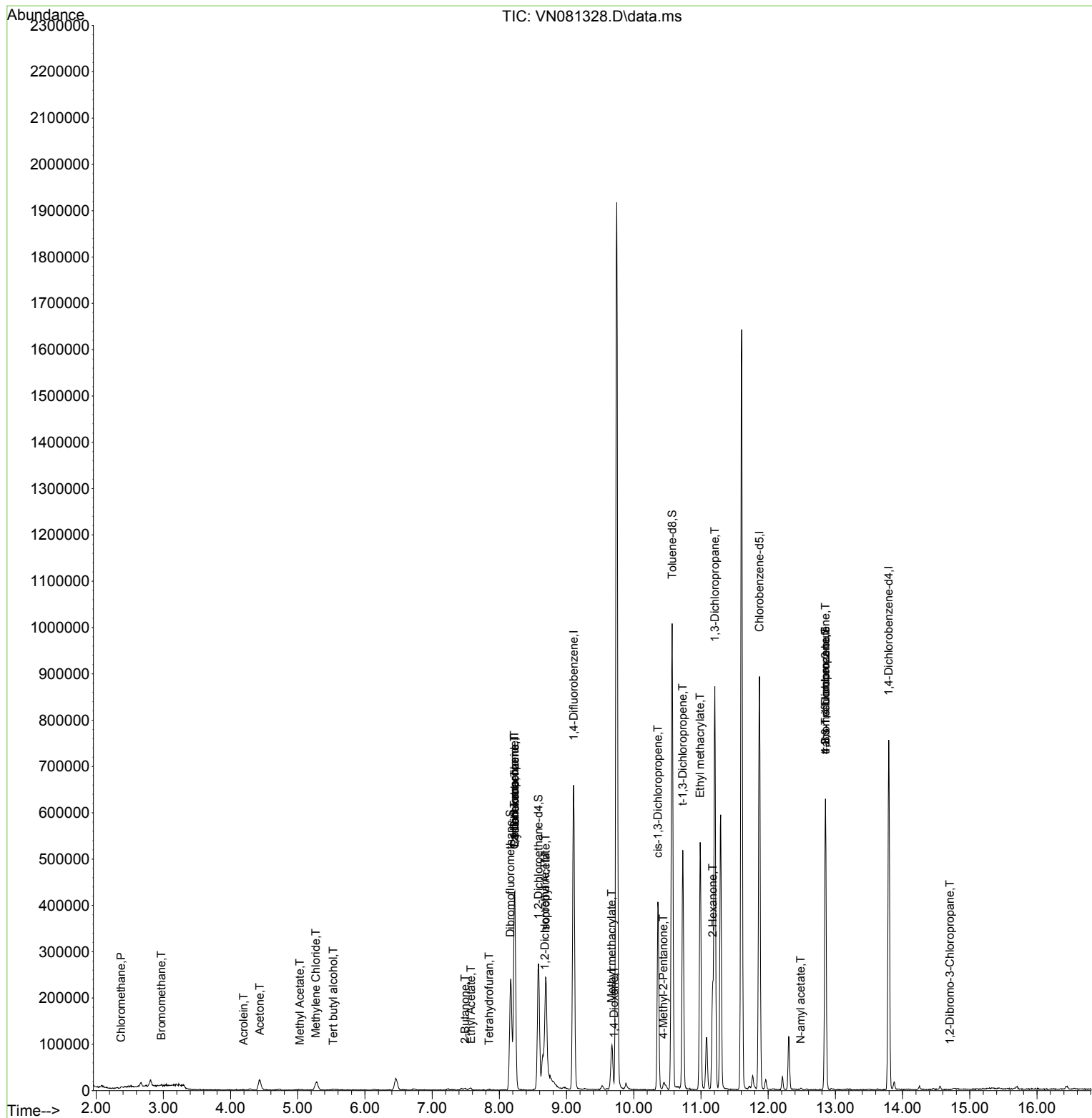
Internal Standards						
1) Pentafluorobenzene	8.229	168	294164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	555295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	499861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	185376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	218202	51.302	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.600%			
35) Dibromofluoromethane	8.165	113	174762	51.369	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.740%			
50) Toluene-d8	10.570	98	671521	52.801	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.600%			
62) 4-Bromofluorobenzene	12.853	95	206925	46.035	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 92.060%			
Target Compounds					Qvalue	
3) Chloromethane	2.371	50	1074	0.255	ug/l #	80
5) Bromomethane	2.971	94	867	0.295	ug/l	84
11) Tert butyl alcohol	5.530	59	2401	3.228	ug/l #	89
13) Acrolein	4.194	56	748	0.849	ug/l #	83
16) Acetone	4.436	43	41015	27.217	ug/l	95
18) Methyl Acetate	5.030	43	2822	0.654	ug/l #	59
20) Methylene Chloride	5.271	84	13748	2.935	ug/l	90
25) 2-Butanone	7.488	43	5761	2.283	ug/l	97
29) Tetrahydrofuran	7.847	42	1025	0.596	ug/l #	59
31) Cyclohexane	8.229	56	8352	1.297	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	26899	4.901	ug/l #	51
37) Ethyl Acetate	7.577	43	6889	1.284	ug/l #	90
38) Carbon Tetrachloride	8.224	117	34885	6.315	ug/l #	21
42) 1,2-Dichloroethane	8.676	62	2123	0.368	ug/l #	75
43) Isopropyl Acetate	8.688	43	344511	36.686	ug/l #	81
48) Methyl methacrylate	9.671	41	6256	1.507	ug/l #	46
49) 1,4-Dioxane	9.706	88	175	1.913	ug/l #	18
51) 4-Methyl-2-Pentanone	10.441	43	16993	3.116	ug/l #	75
53) t-1,3-Dichloropropene	10.729	75	1392	0.228	ug/l #	77
54) cis-1,3-Dichloropropene	10.359	75	71264	10.834	ug/l #	68
56) Ethyl methacrylate	10.988	69	2475	0.439	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	9282	1.355	ug/l #	43
59) 2-Hexanone	11.176	43	161071	39.513	ug/l #	26
74) N-amyl acetate	12.482	43	1439	0.229	ug/l #	49
76) 1,2,3-Trichloropropane	12.853	75	116977	26.716	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	116977	74.560	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.705	75	346	0.350	ug/l #	13

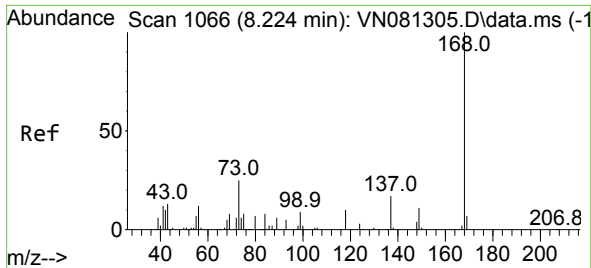
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030624\
Data File : VN081328.D
Acq On : 06 Mar 2024 15:51
Operator : JC\MD
Sample : P1672-16
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-13

Quant Time: Mar 07 00:28:19 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

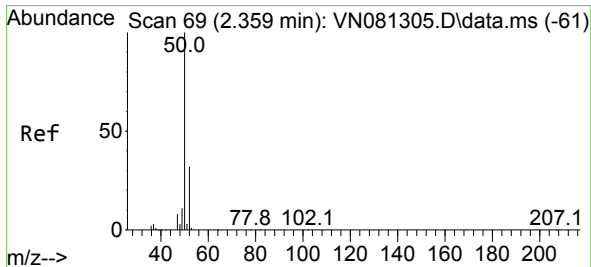
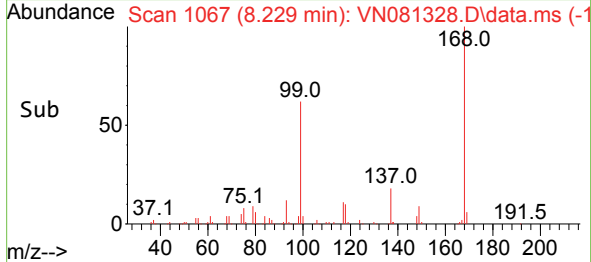
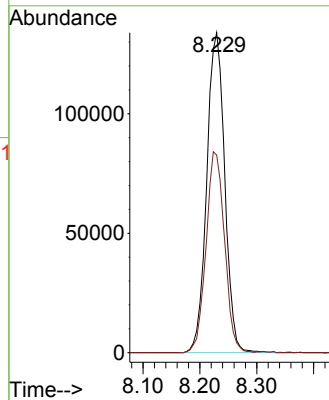
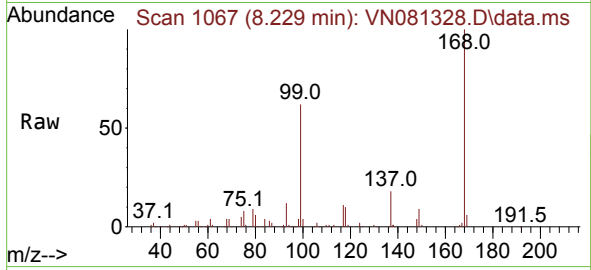




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

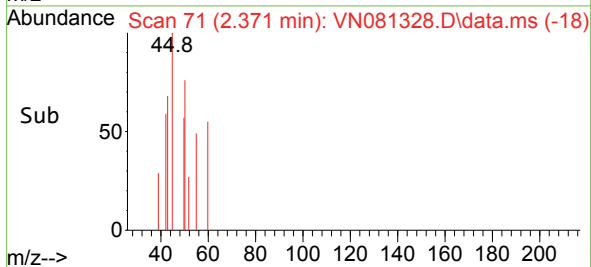
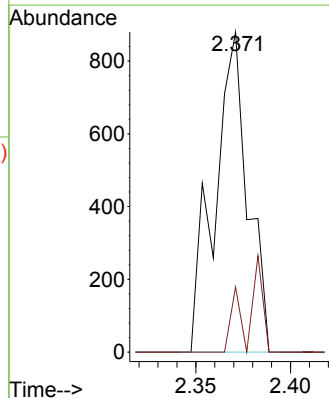
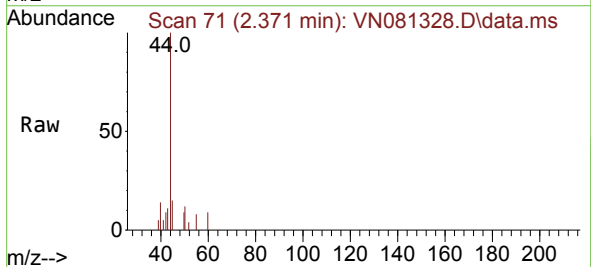
Instrument :
MSVOA_N
ClientSampleId :
TP-13

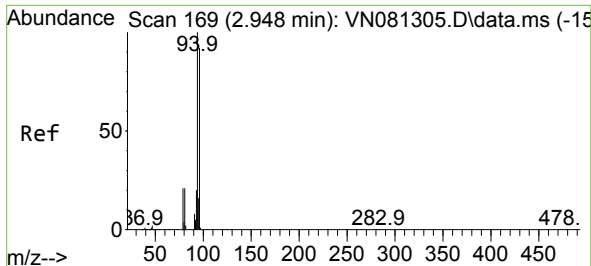
Tgt Ion:168 Resp: 294164
Ion Ratio Lower Upper
168 100
99 61.8 59.9 89.9



#3
Chloromethane
Concen: 0.255 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

Tgt Ion: 50 Resp: 1074
Ion Ratio Lower Upper
50 100
52 20.3 25.0 37.4#

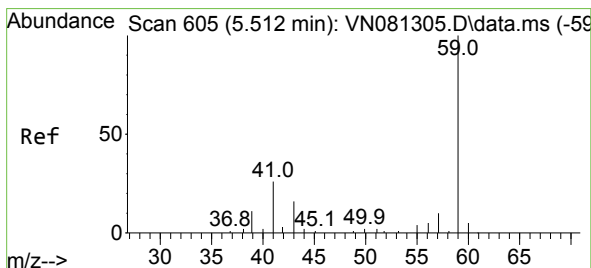
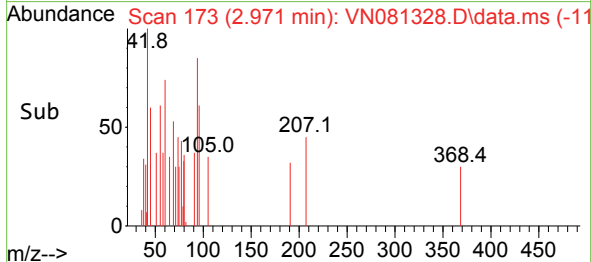
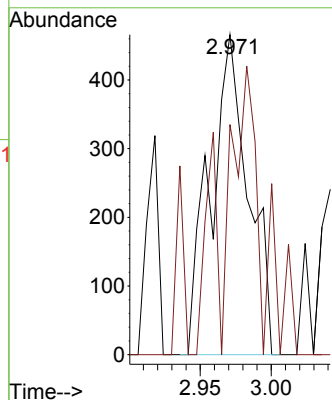
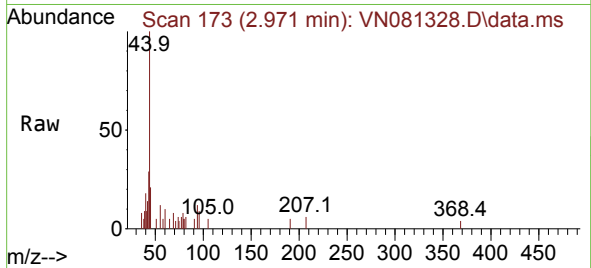




#5
Bromomethane
Concen: 0.295 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

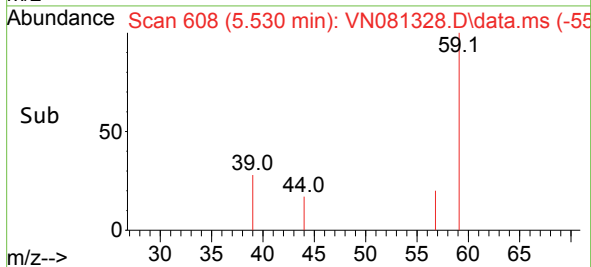
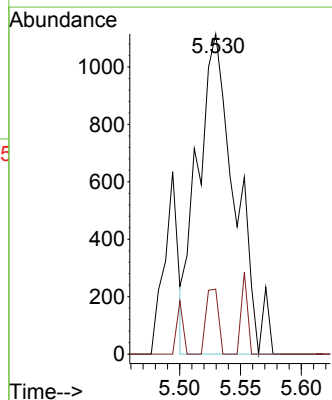
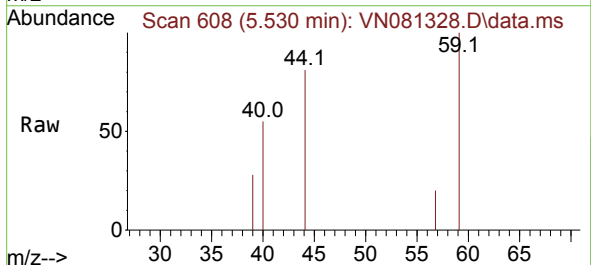
Instrument :
MSVOA_N
ClientSampleId :
TP-13

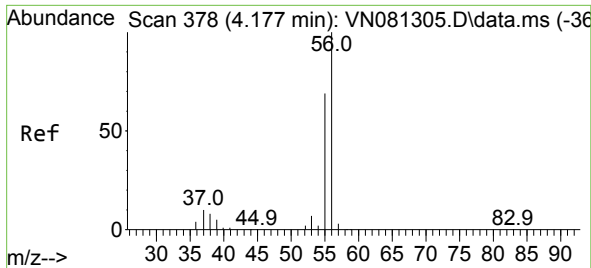
Tgt Ion: 94 Resp: 867
Ion Ratio Lower Upper
94 100
96 71.9 69.2 103.8



#11
Tert butyl alcohol
Concen: 3.228 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.018 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

Tgt Ion: 59 Resp: 2401
Ion Ratio Lower Upper
59 100
57 6.6 8.6 12.8#





#13

Acrolein

Concen: 0.849 ug/l

RT: 4.194 min Scan# 3

Delta R.T. 0.018 min

Lab File: VN081328.D

Acq: 06 Mar 2024 15:51

Instrument :

MSVOA_N

ClientSampleId :

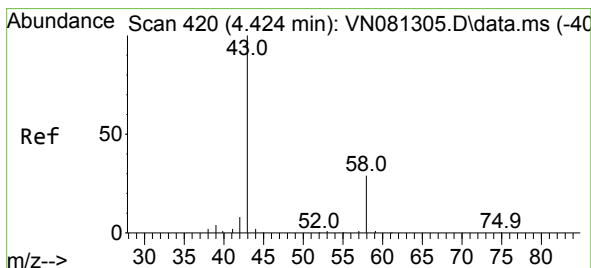
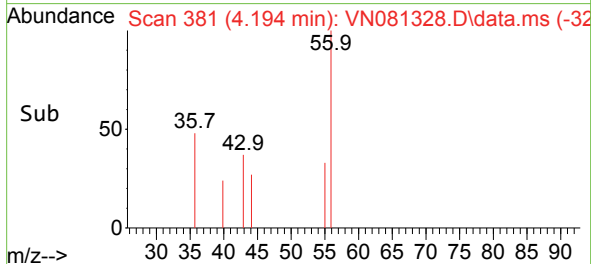
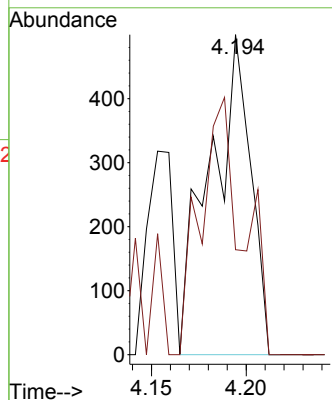
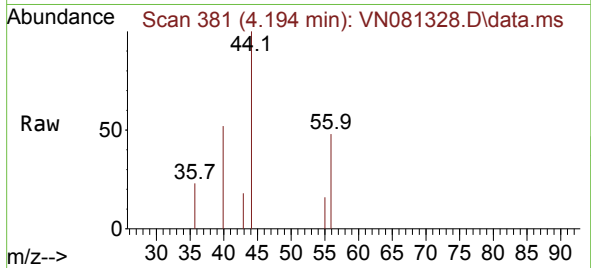
TP-13

Tgt Ion: 56 Resp: 748

Ion Ratio Lower Upper

56 100

55 83.2 55.3 82.9#



#16

Acetone

Concen: 27.217 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN081328.D

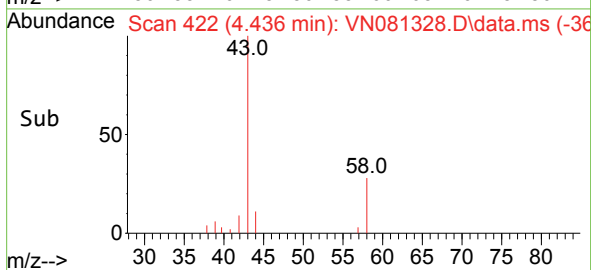
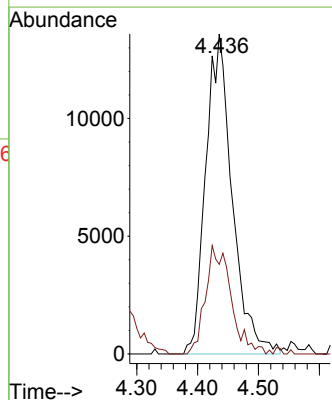
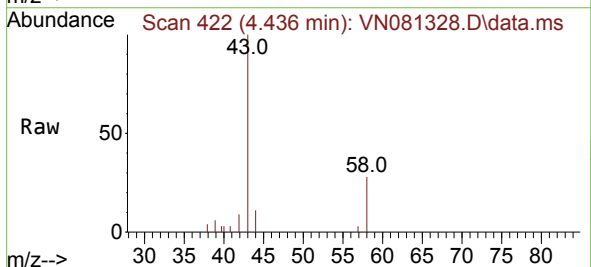
Acq: 06 Mar 2024 15:51

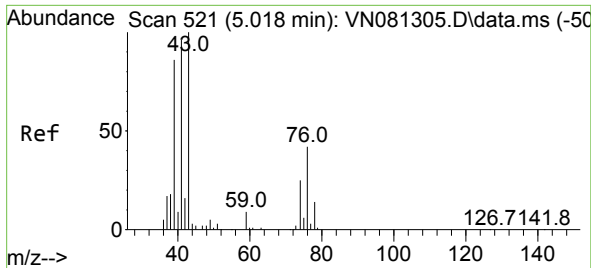
Tgt Ion: 43 Resp: 41015

Ion Ratio Lower Upper

43 100

58 28.0 24.8 37.2

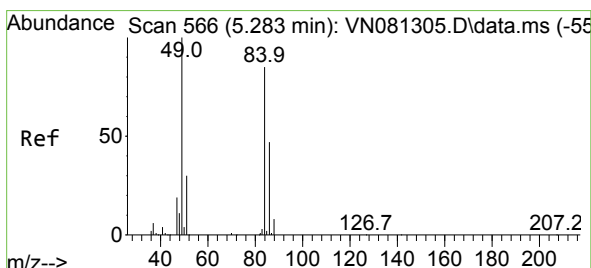
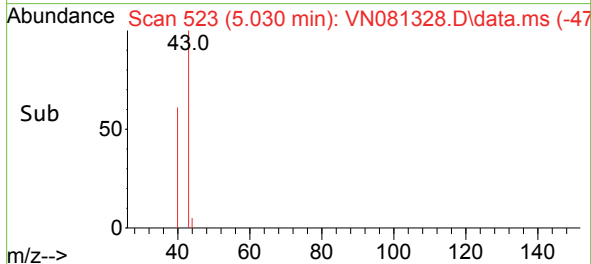
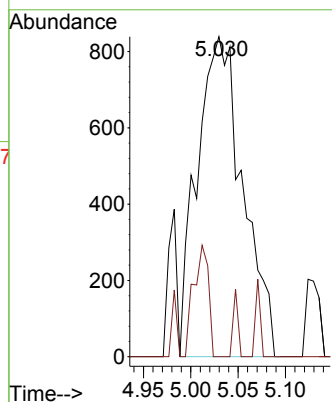
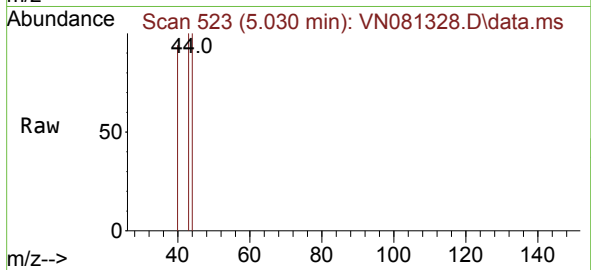




#18
Methyl Acetate
Concen: 0.654 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

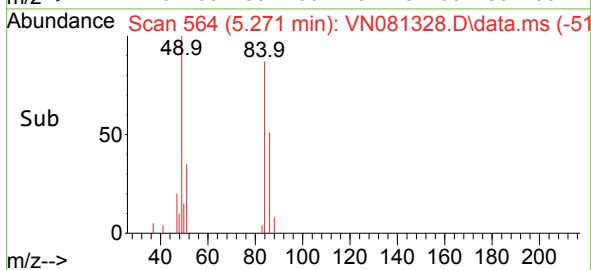
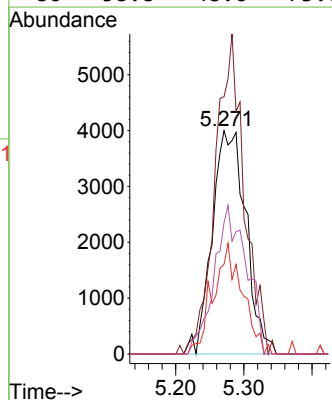
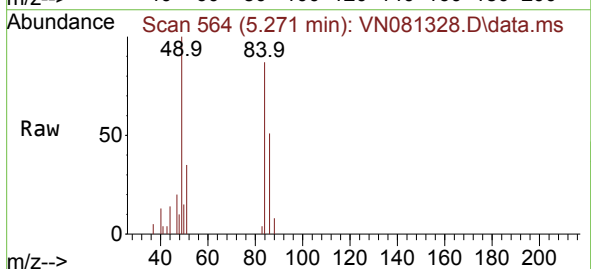
Instrument :
MSVOA_N
ClientSampleId :
TP-13

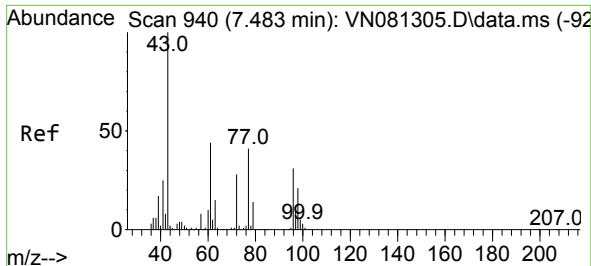
Tgt Ion: 43 Resp: 2822
Ion Ratio Lower Upper
43 100
74 2.2 17.3 25.9#



#20
Methylene Chloride
Concen: 2.935 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.012 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

Tgt Ion: 84 Resp: 13748
Ion Ratio Lower Upper
84 100
49 115.3 108.1 162.1
51 40.1 32.9 49.3
86 58.8 48.6 73.0

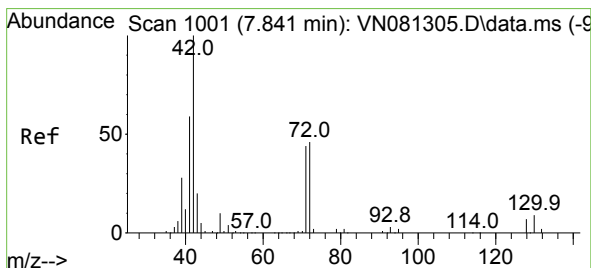
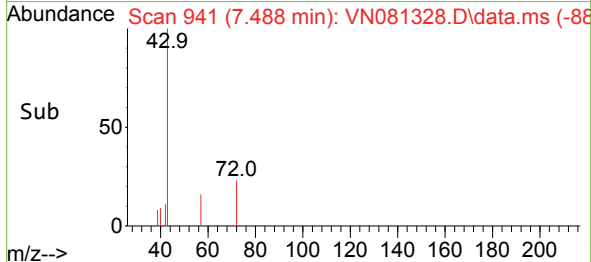
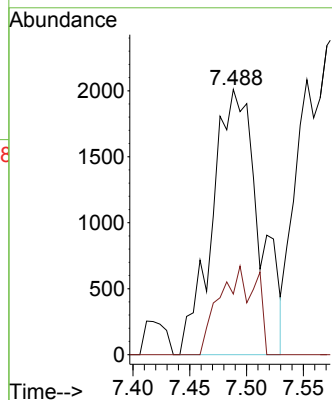
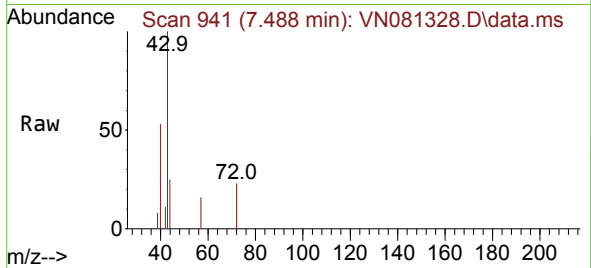




#25
2-Butanone
Concen: 2.283 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

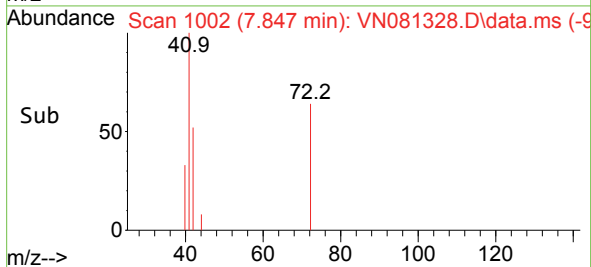
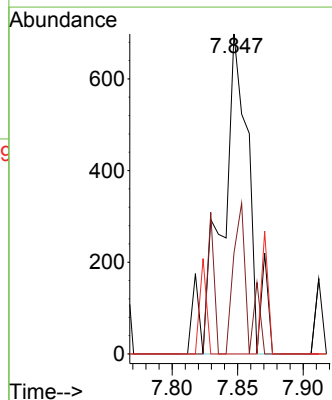
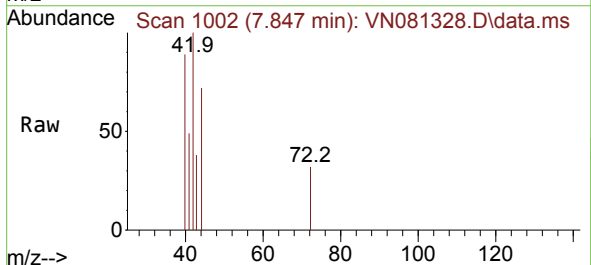
Instrument :
MSVOA_N
ClientSampleId :
TP-13

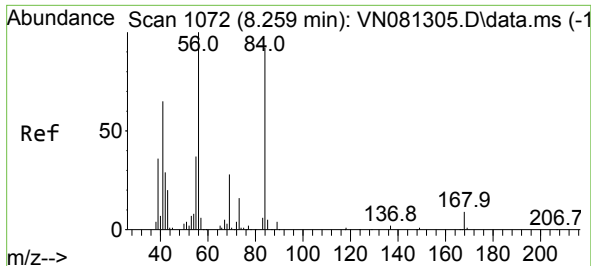
Tgt Ion: 43 Resp: 5761
Ion Ratio Lower Upper
43 100
72 22.8 19.5 29.3



#29
Tetrahydrofuran
Concen: 0.596 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

Tgt Ion: 42 Resp: 1025
Ion Ratio Lower Upper
42 100
72 24.3 31.1 46.7#
71 0.0 28.3 42.5#

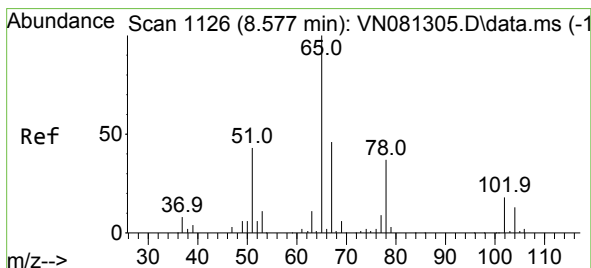
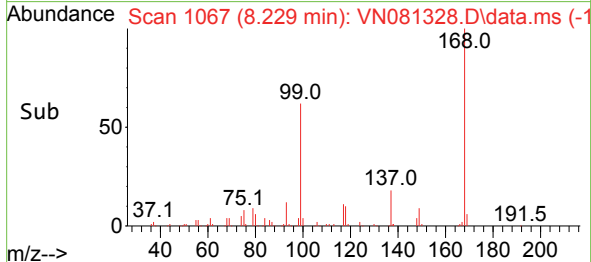
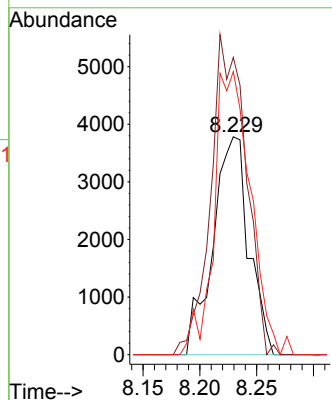
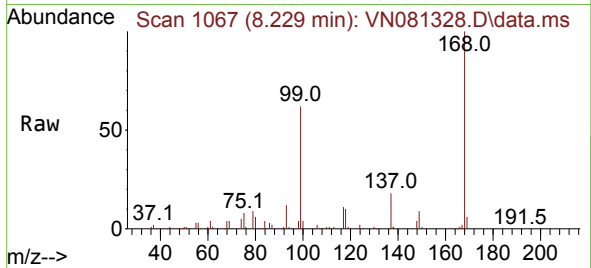




#31
Cyclohexane
Concen: 1.297 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

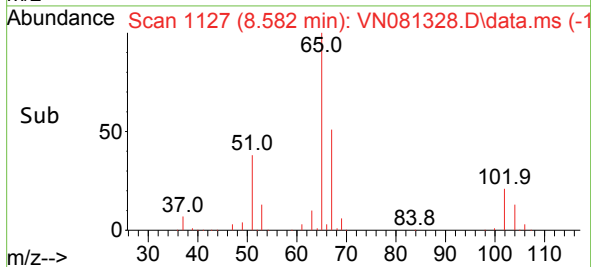
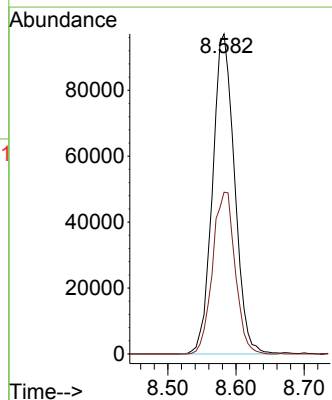
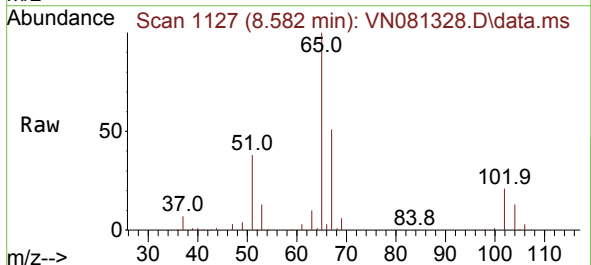
Instrument :
MSVOA_N
ClientSampleId :
TP-13

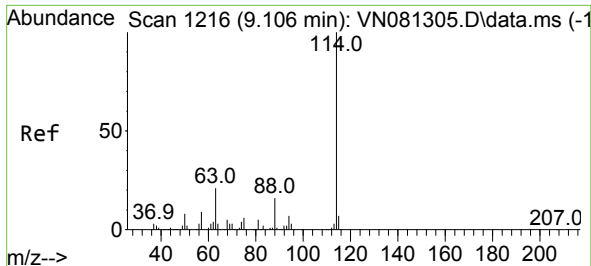
Tgt Ion: 56 Resp: 8352
Ion Ratio Lower Upper
56 100
69 136.4 20.1 30.1#
84 129.9 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 51.302 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

Tgt Ion: 65 Resp: 218202
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.4

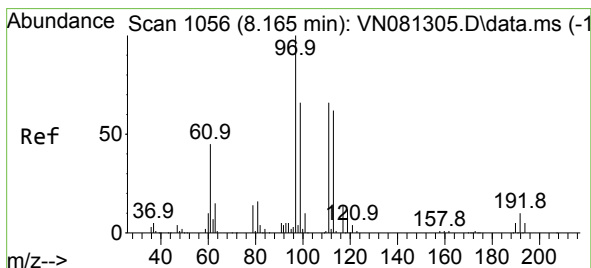
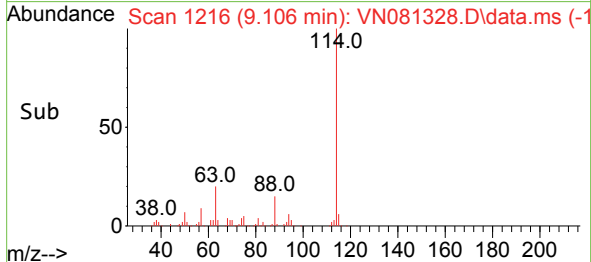
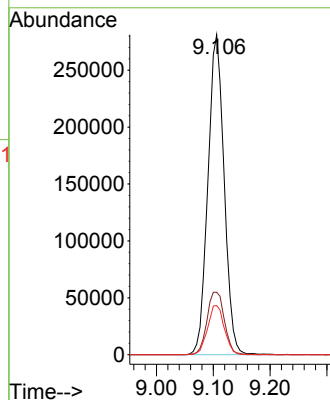
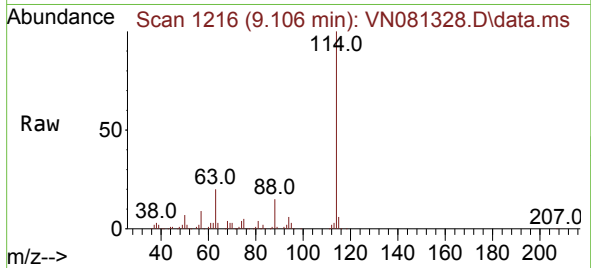




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

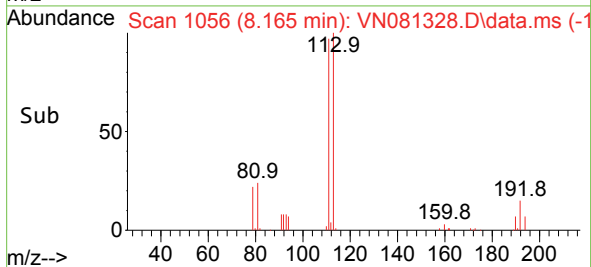
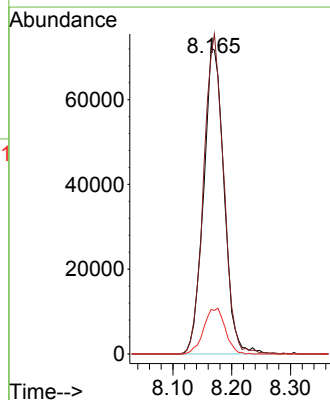
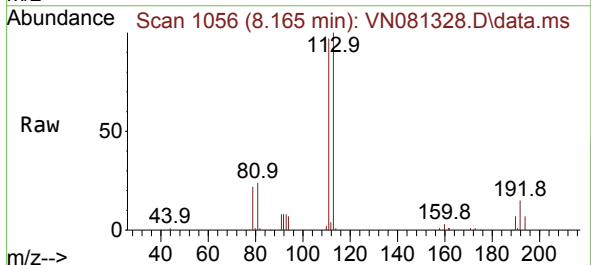
Instrument :
MSVOA_N
ClientSampleId :
TP-13

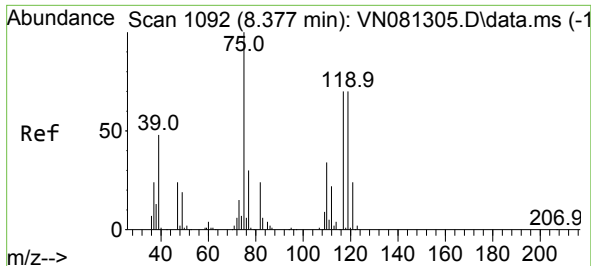
Tgt Ion:114 Resp: 555295
Ion Ratio Lower Upper
114 100
63 19.5 0.0 48.0
88 15.4 0.0 34.8



#35
Dibromofluoromethane
Concen: 51.369 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

Tgt Ion:113 Resp: 174762
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.4
192 15.6 12.5 18.7

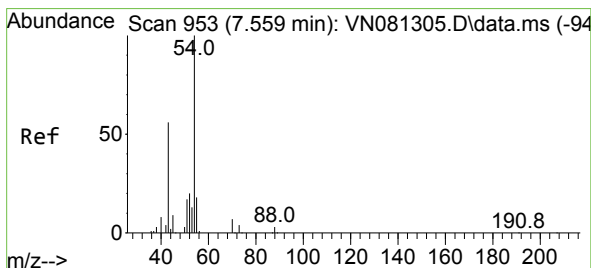
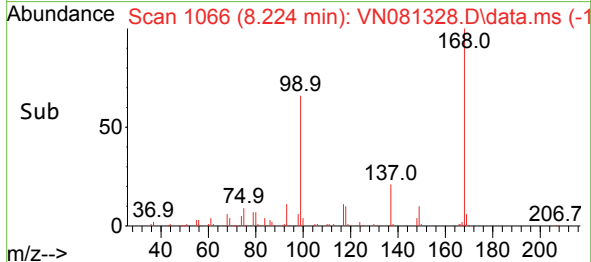
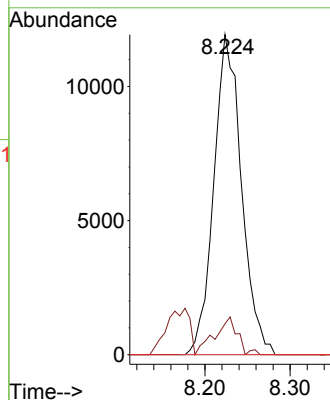
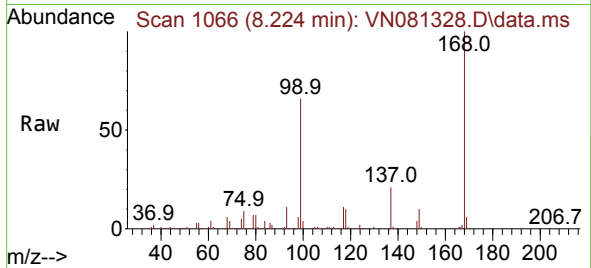




#36
1,1-Dichloropropene
Concen: 4.901 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

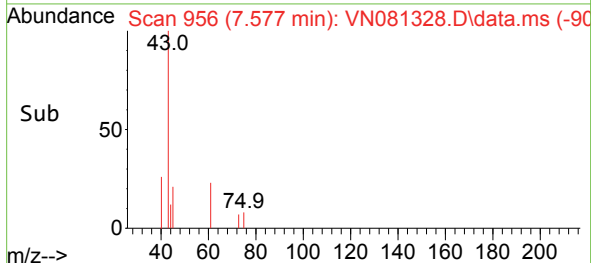
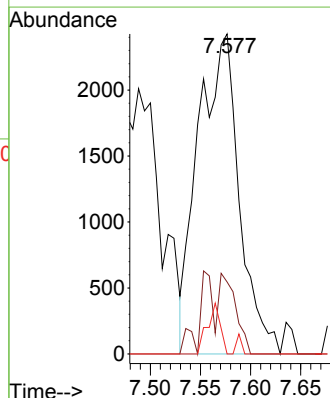
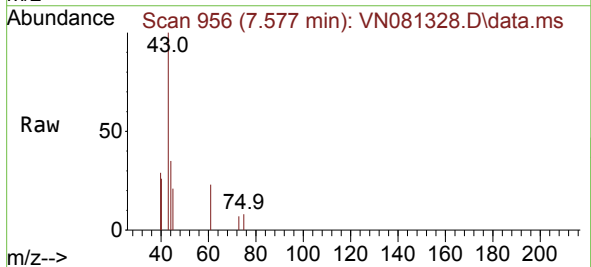
Instrument :
MSVOA_N
ClientSampleId :
TP-13

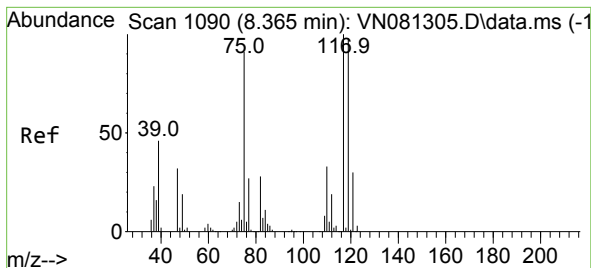
Tgt Ion: 75 Resp: 26899
Ion Ratio Lower Upper
75 100
110 9.3 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 1.284 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.017 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

Tgt Ion: 43 Resp: 6889
Ion Ratio Lower Upper
43 100
61 10.3 10.6 15.8#
70 5.0 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 6.315 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN081328.D

Acq: 06 Mar 2024 15:51

Instrument :

MSVOA_N

ClientSampleId :

TP-13

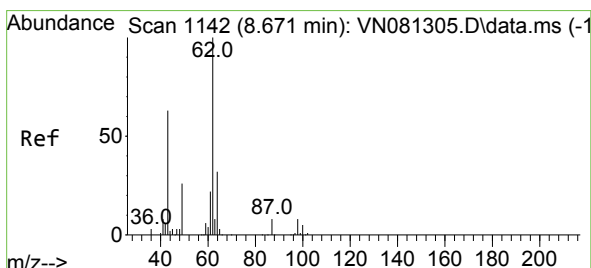
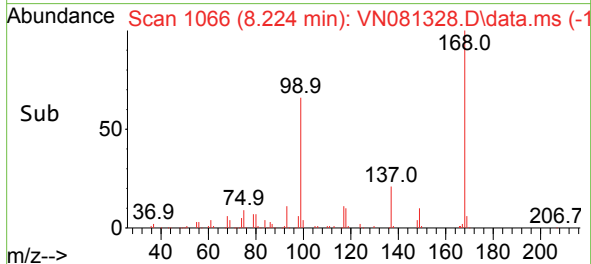
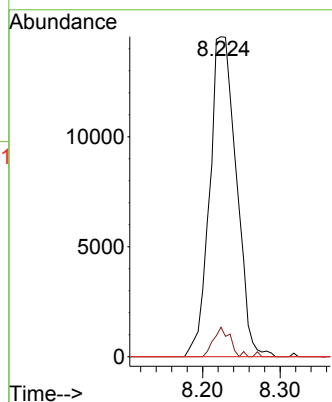
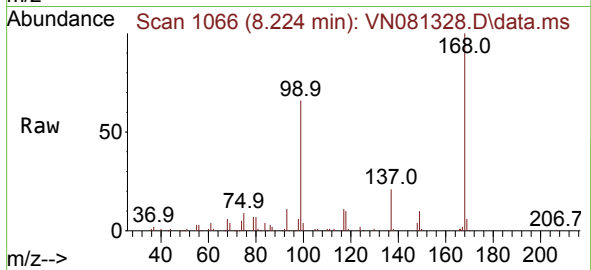
Tgt Ion:117 Resp: 34885

Ion Ratio Lower Upper

117 100

119 9.2 73.4 110.2#

121 0.0 24.4 36.6#



#42

1,2-Dichloroethane

Concen: 0.368 ug/l

RT: 8.676 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN081328.D

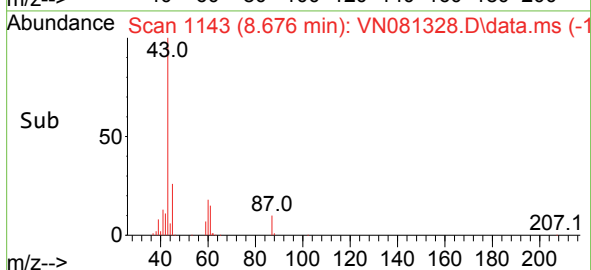
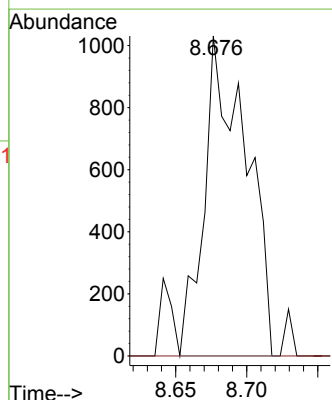
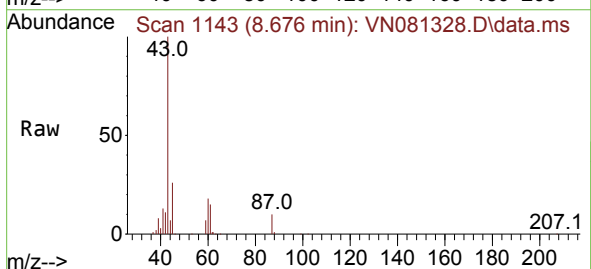
Acq: 06 Mar 2024 15:51

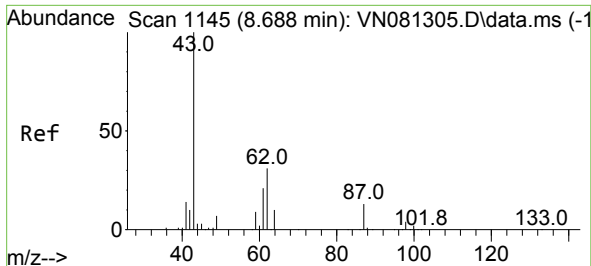
Tgt Ion: 62 Resp: 2123

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0

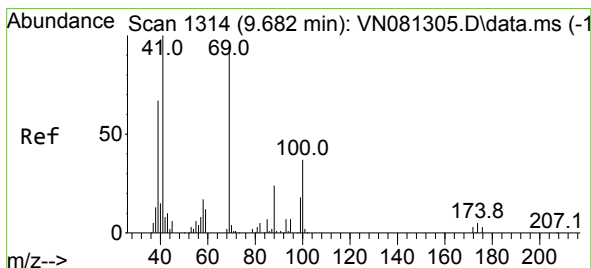
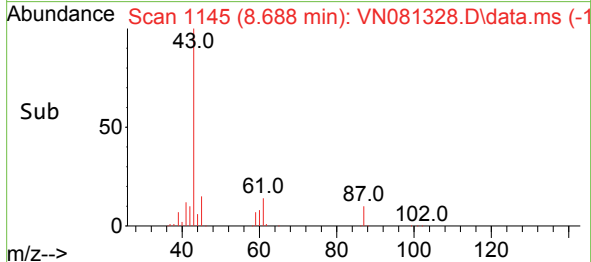
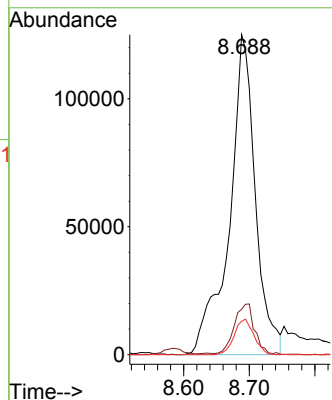
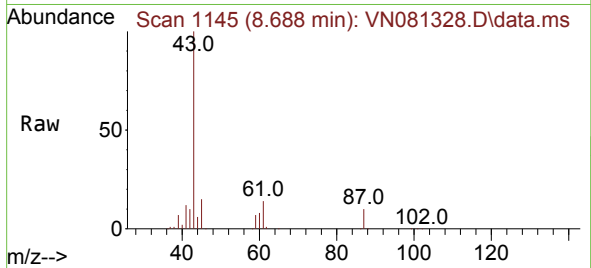




#43
Isopropyl Acetate
Concen: 36.686 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

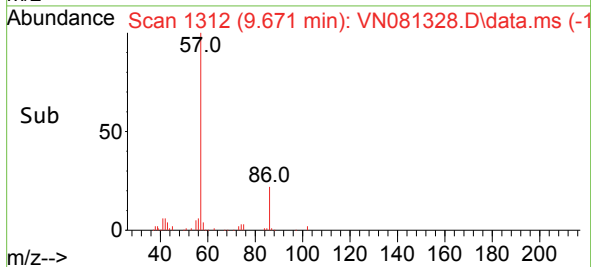
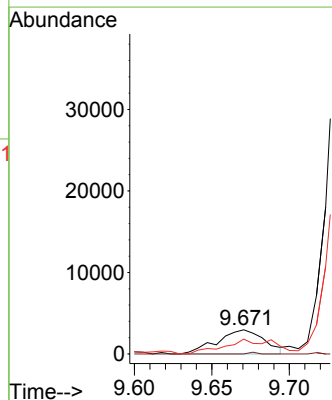
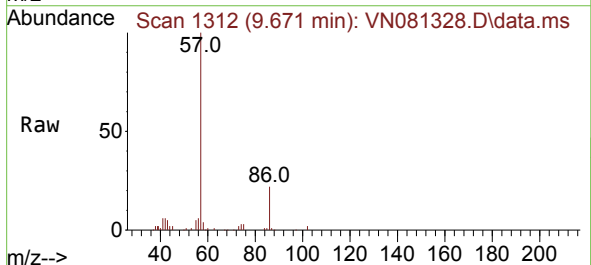
Instrument :
MSVOA_N
ClientSampleId :
TP-13

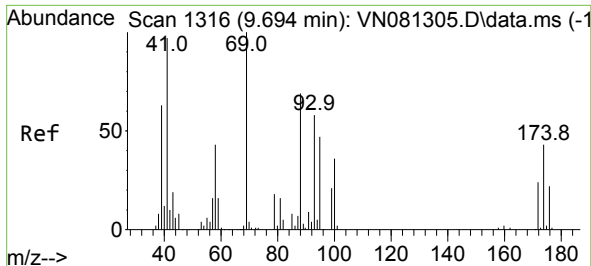
Tgt Ion: 43 Resp: 344511
Ion Ratio Lower Upper
43 100
61 12.6 19.9 29.9#
87 8.4 9.0 13.6#



#48
Methyl methacrylate
Concen: 1.507 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

Tgt Ion: 41 Resp: 6256
Ion Ratio Lower Upper
41 100
69 1.3 62.2 93.2#
39 66.2 47.6 71.4





#49

1,4-Dioxane

Concen: 1.913 ug/l

RT: 9.706 min Scan# 1

Delta R.T. 0.012 min

Lab File: VN081328.D

Acq: 06 Mar 2024 15:51

Instrument :

MSVOA_N

ClientSampleId :

TP-13

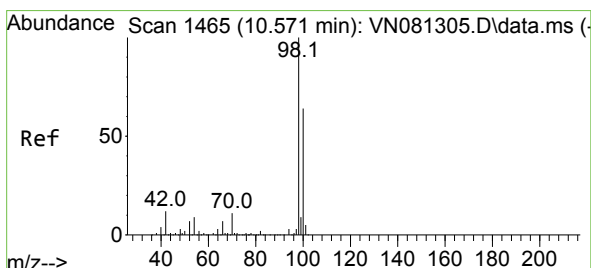
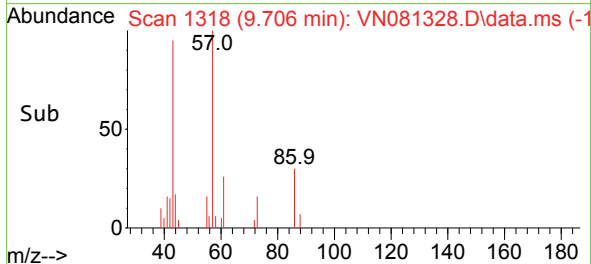
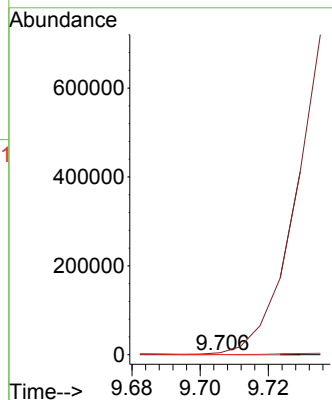
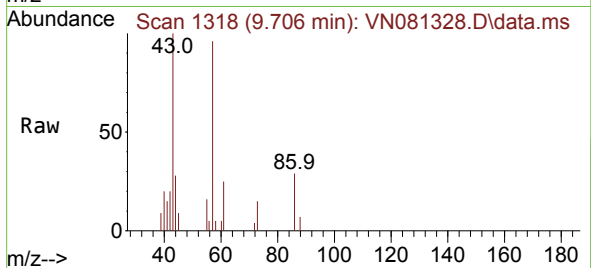
Tgt Ion: 88 Resp: 175

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 52.801 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN081328.D

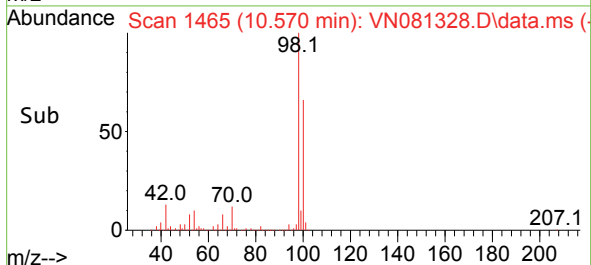
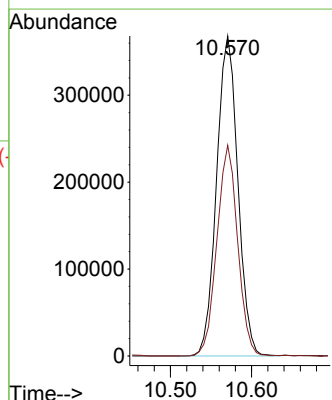
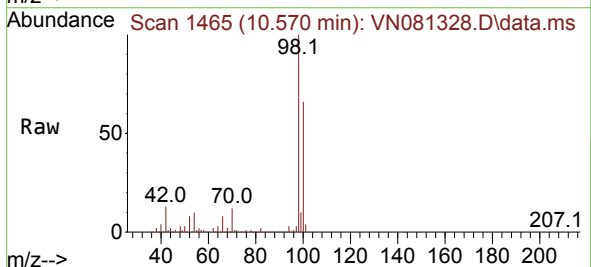
Acq: 06 Mar 2024 15:51

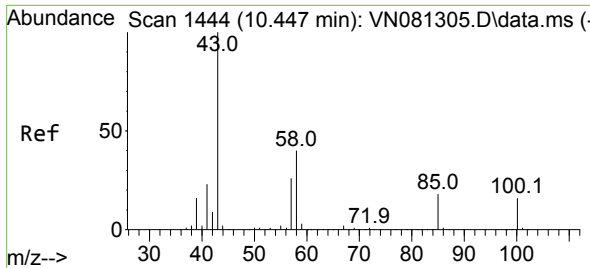
Tgt Ion: 98 Resp: 671521

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0

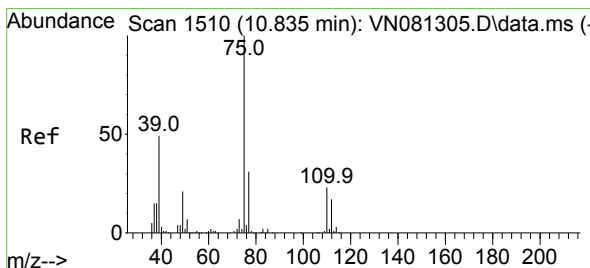
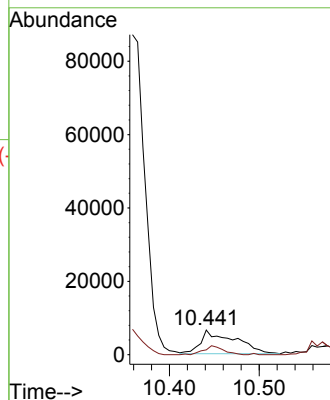
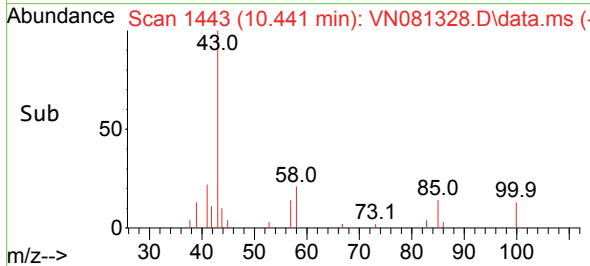
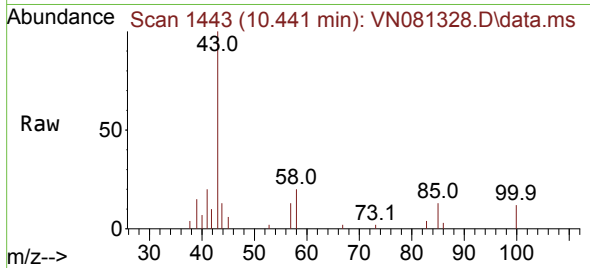




#51
4-Methyl-2-Pentanone
Concen: 3.116 ug/l
RT: 10.441 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

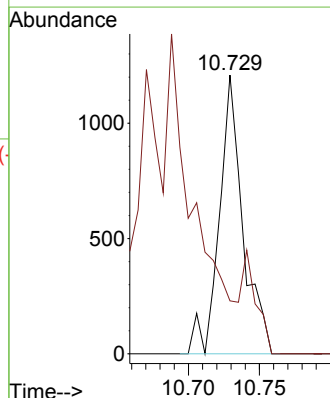
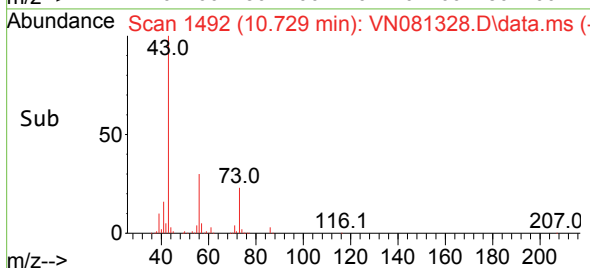
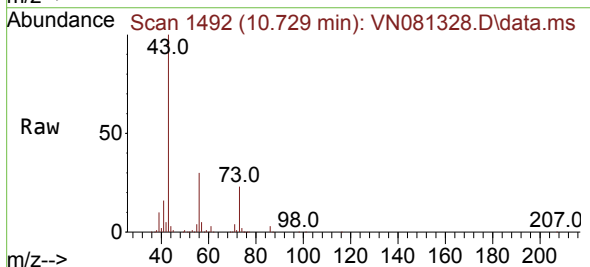
Instrument :
MSVOA_N
ClientSampleId :
TP-13

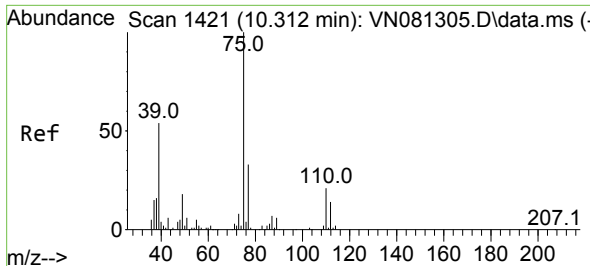
Tgt Ion: 43 Resp: 16993
Ion Ratio Lower Upper
43 100
58 21.7 29.4 44.0#



#53
t-1,3-Dichloropropene
Concen: 0.228 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

Tgt Ion: 75 Resp: 1392
Ion Ratio Lower Upper
75 100
77 19.0 25.5 38.3#

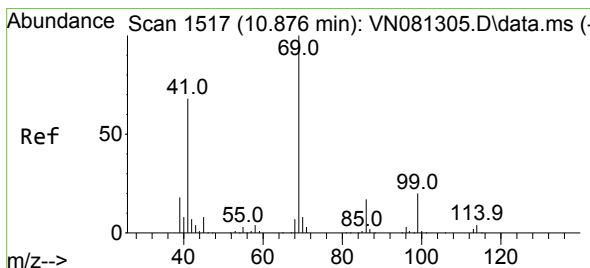
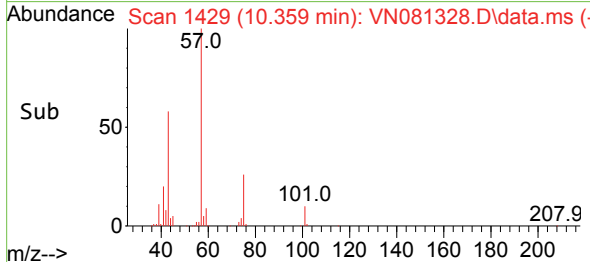
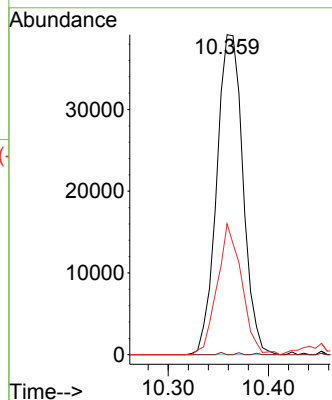
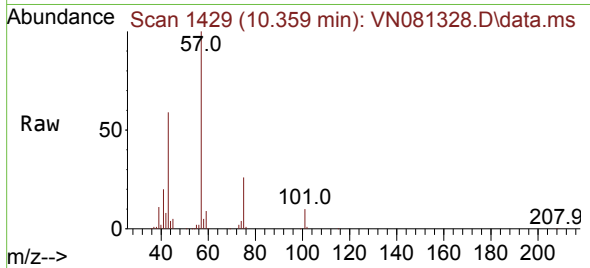




#54
 cis-1,3-Dichloropropene
 Concen: 10.834 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081328.D
 Acq: 06 Mar 2024 15:51

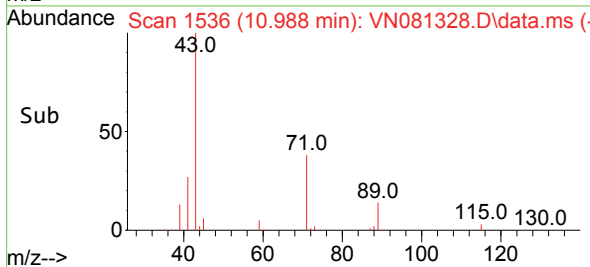
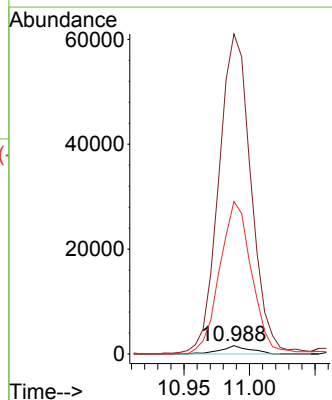
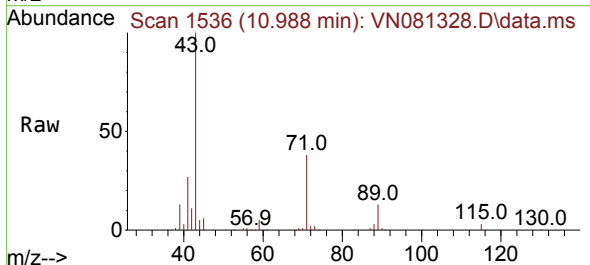
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-13

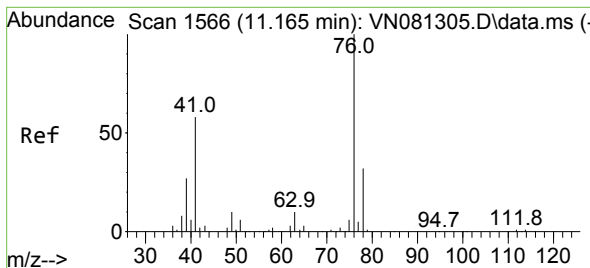
Tgt Ion: 75 Resp: 71264
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.3 34.9#
 39 40.9 44.6 66.8#



#56
 Ethyl methacrylate
 Concen: 0.439 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN081328.D
 Acq: 06 Mar 2024 15:51

Tgt Ion: 69 Resp: 2475
 Ion Ratio Lower Upper
 69 100
 41 4242.0 61.0 91.6#
 39 2006.4 31.8 47.6#





#57

1,3-Dichloropropane

Concen: 1.355 ug/l

RT: 11.206 min Scan# 1

Delta R.T. 0.041 min

Lab File: VN081328.D

Acq: 06 Mar 2024 15:51

Instrument :

MSVOA_N

ClientSampleId :

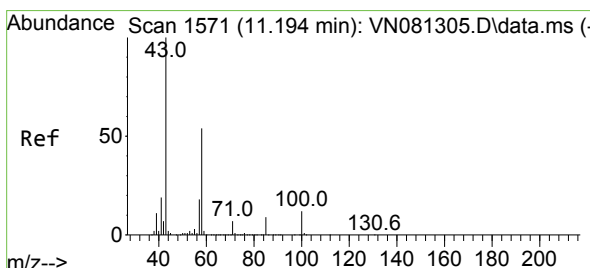
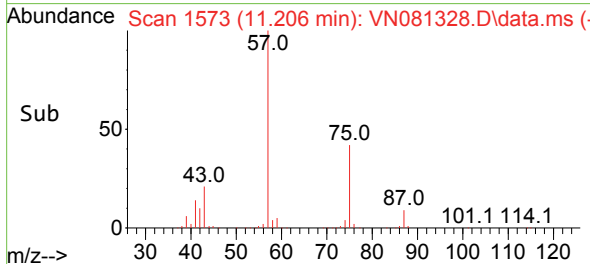
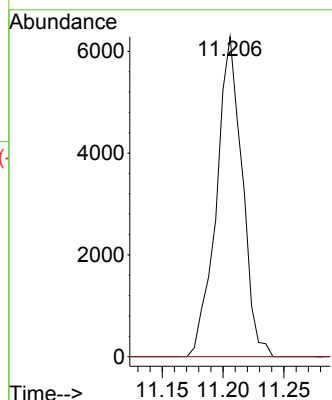
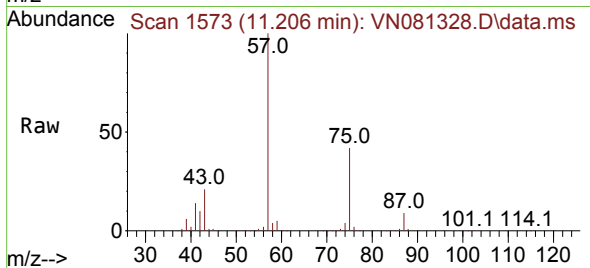
TP-13

Tgt Ion: 76 Resp: 9282

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 39.513 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.018 min

Lab File: VN081328.D

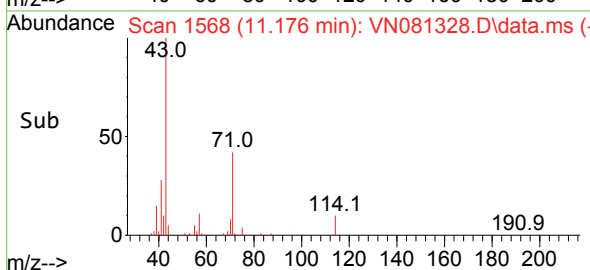
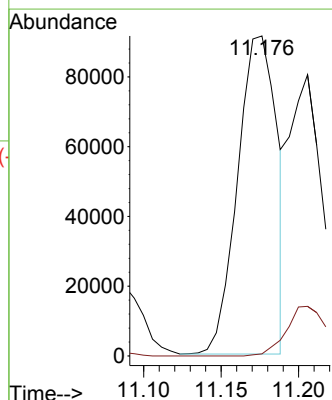
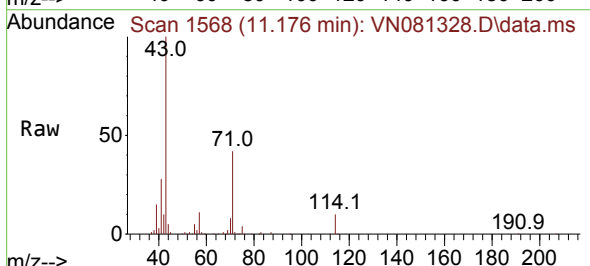
Acq: 06 Mar 2024 15:51

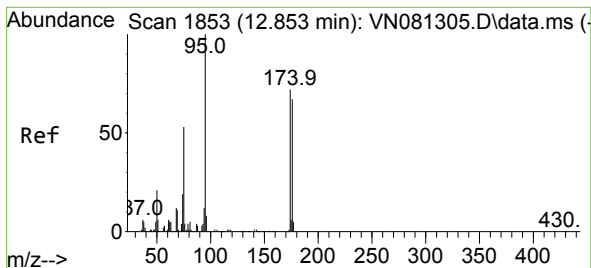
Tgt Ion: 43 Resp: 161071

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

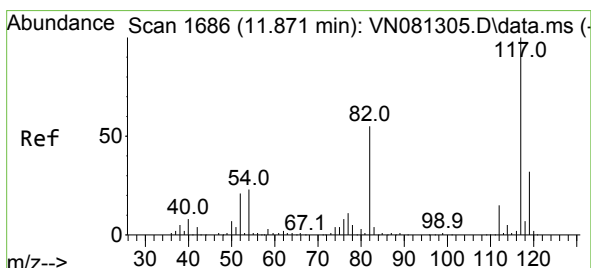
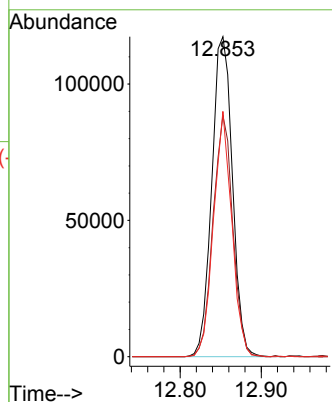
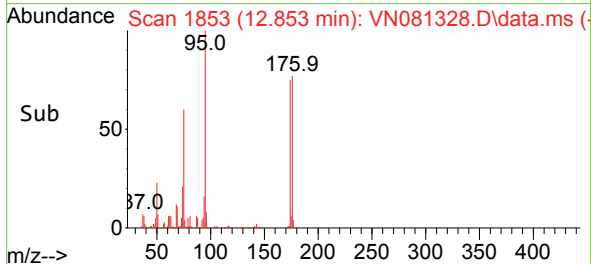
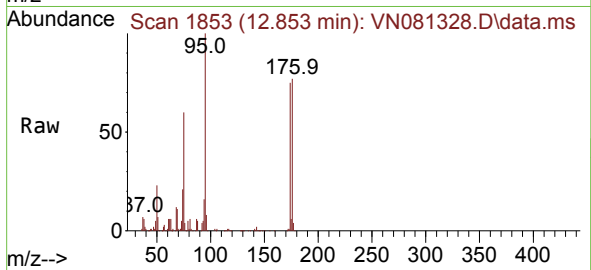




#62
4-Bromofluorobenzene
Concen: 46.035 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

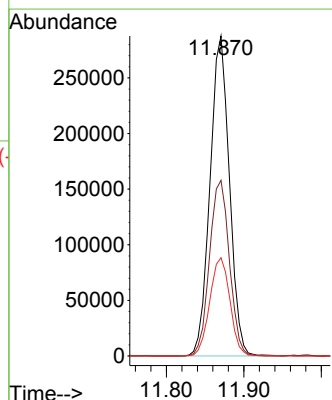
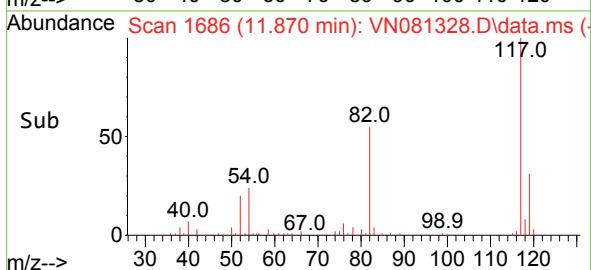
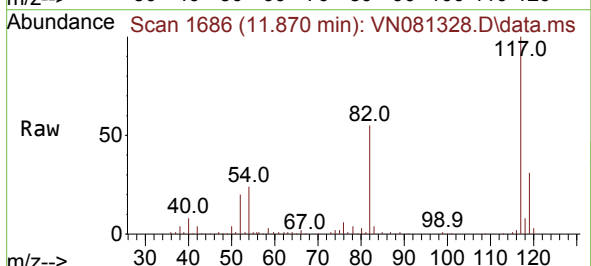
Instrument :
MSVOA_N
ClientSampleId :
TP-13

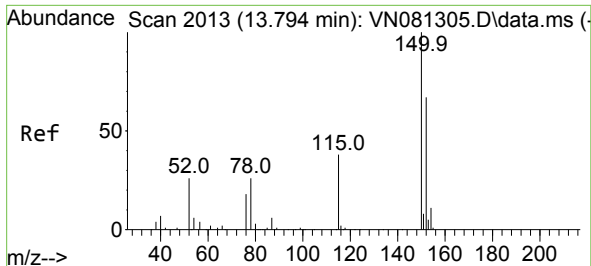
Tgt Ion: 95 Resp: 206925
Ion Ratio Lower Upper
95 100
174 72.3 0.0 120.4
176 68.3 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

Tgt Ion: 117 Resp: 499861
Ion Ratio Lower Upper
117 100
82 54.9 52.7 79.1
119 30.7 25.3 37.9

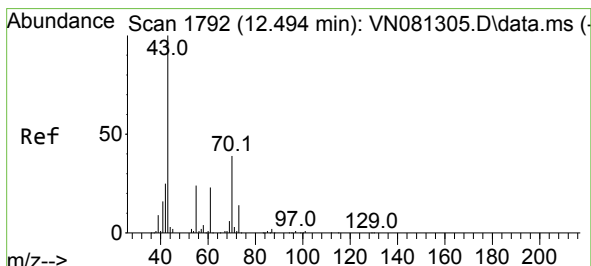
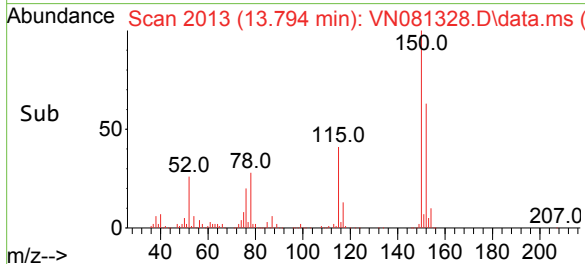
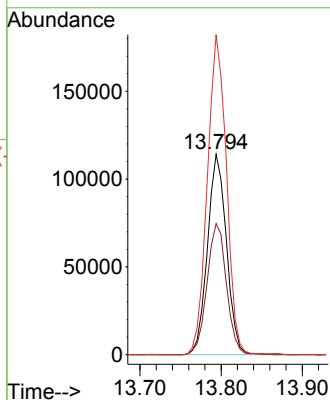
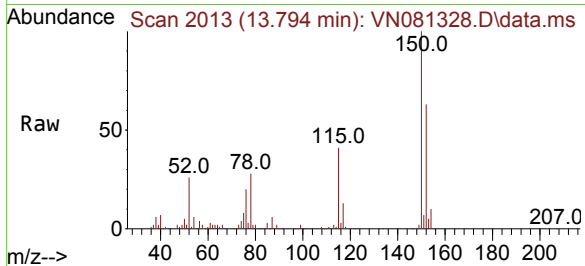




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

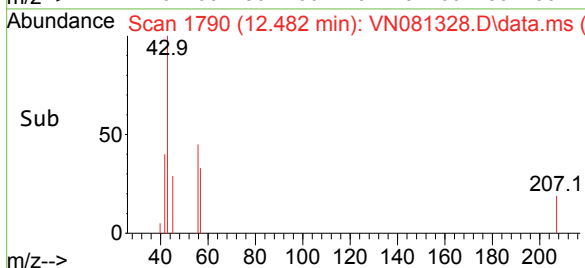
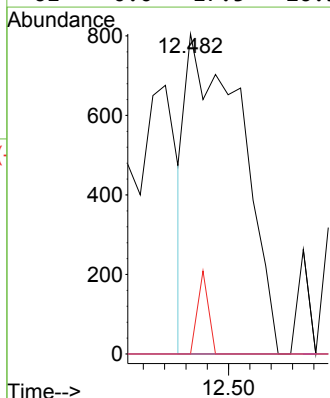
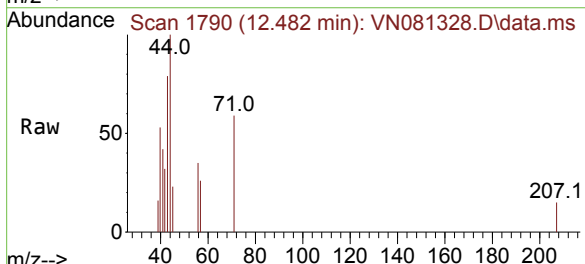
Instrument :
MSVOA_N
ClientSampleId :
TP-13

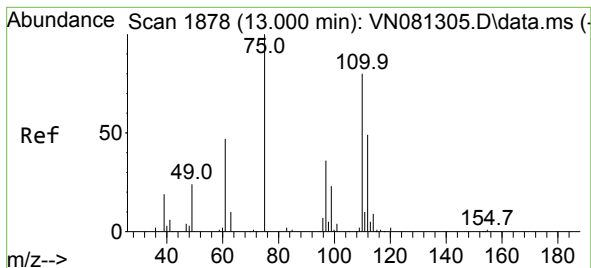
Tgt Ion:152 Resp: 185376
Ion Ratio Lower Upper
152 100
115 66.9 32.3 96.8
150 160.5 0.0 339.8



#74
N-ethyl acetate
Concen: 0.229 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

Tgt Ion: 43 Resp: 1439
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 5.1 17.0 25.4#
61 0.0 17.5 26.3#

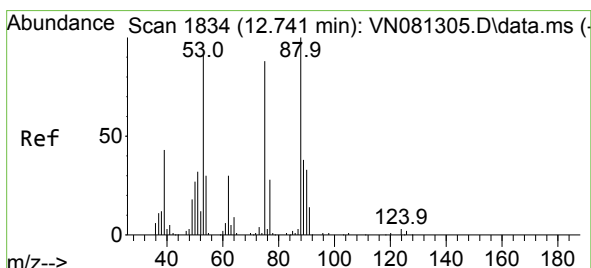
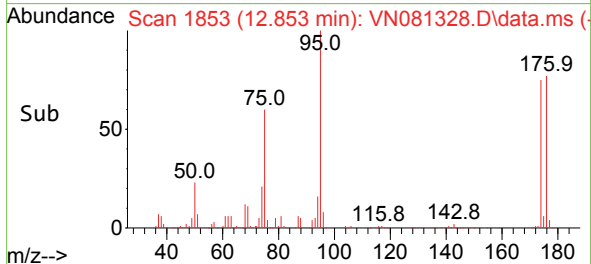
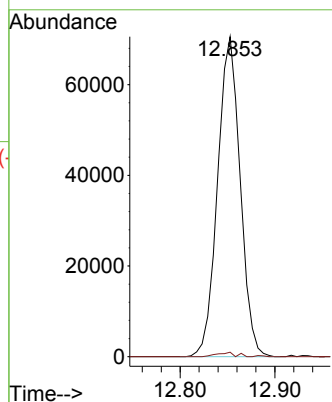
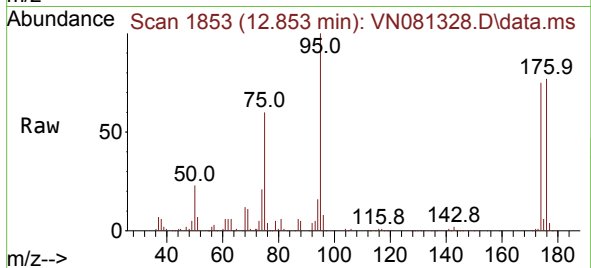




#76
1,2,3-Trichloropropane
Concen: 26.716 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

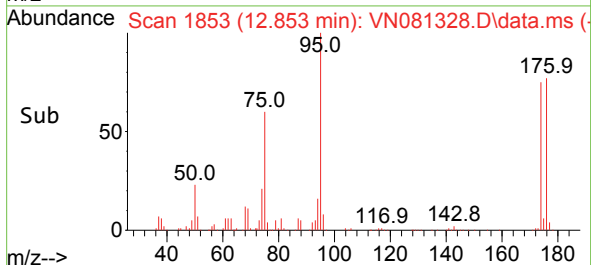
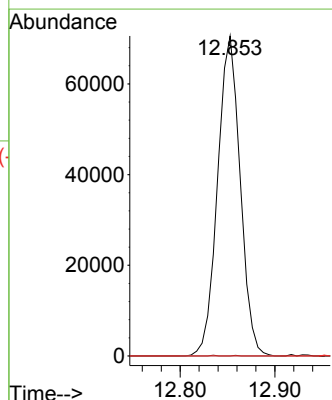
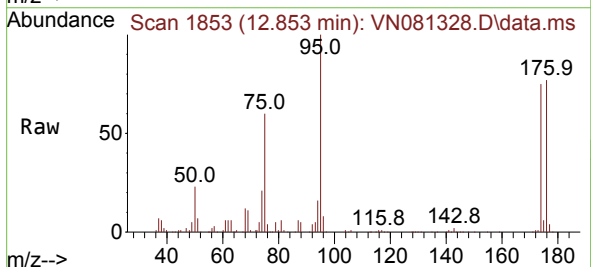
Instrument :
MSVOA_N
ClientSampleId :
TP-13

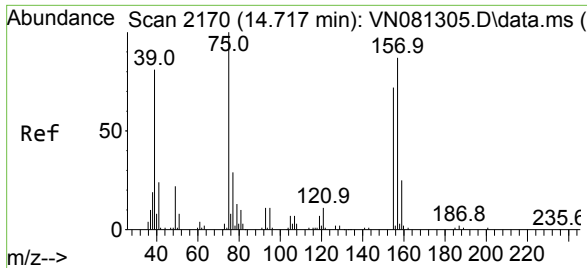
Tgt Ion: 75 Resp: 116977
Ion Ratio Lower Upper
75 100
77 1.1 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.560 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081328.D
Acq: 06 Mar 2024 15:51

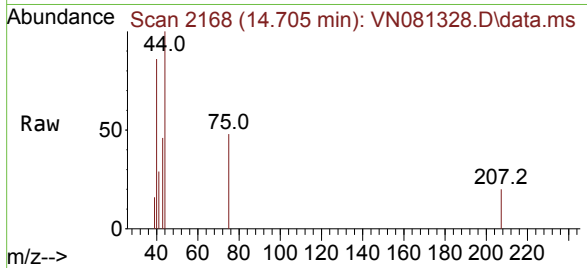
Tgt Ion: 75 Resp: 116977
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.350 ug/l
 RT: 14.705 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN081328.D
 Acq: 06 Mar 2024 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-13



Tgt Ion: 75 Resp: 346
 Ion Ratio Lower Upper
 75 100
 155 0.0 31.8 95.4#
 157 0.0 41.1 123.4#

