

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020224\
 Data File : VN080885.D
 Acq On : 02 Feb 2024 19:51
 Operator : JC\MD
 Sample : P1331-01 20X
 Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1

Quant Time: Feb 02 23:57:17 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)

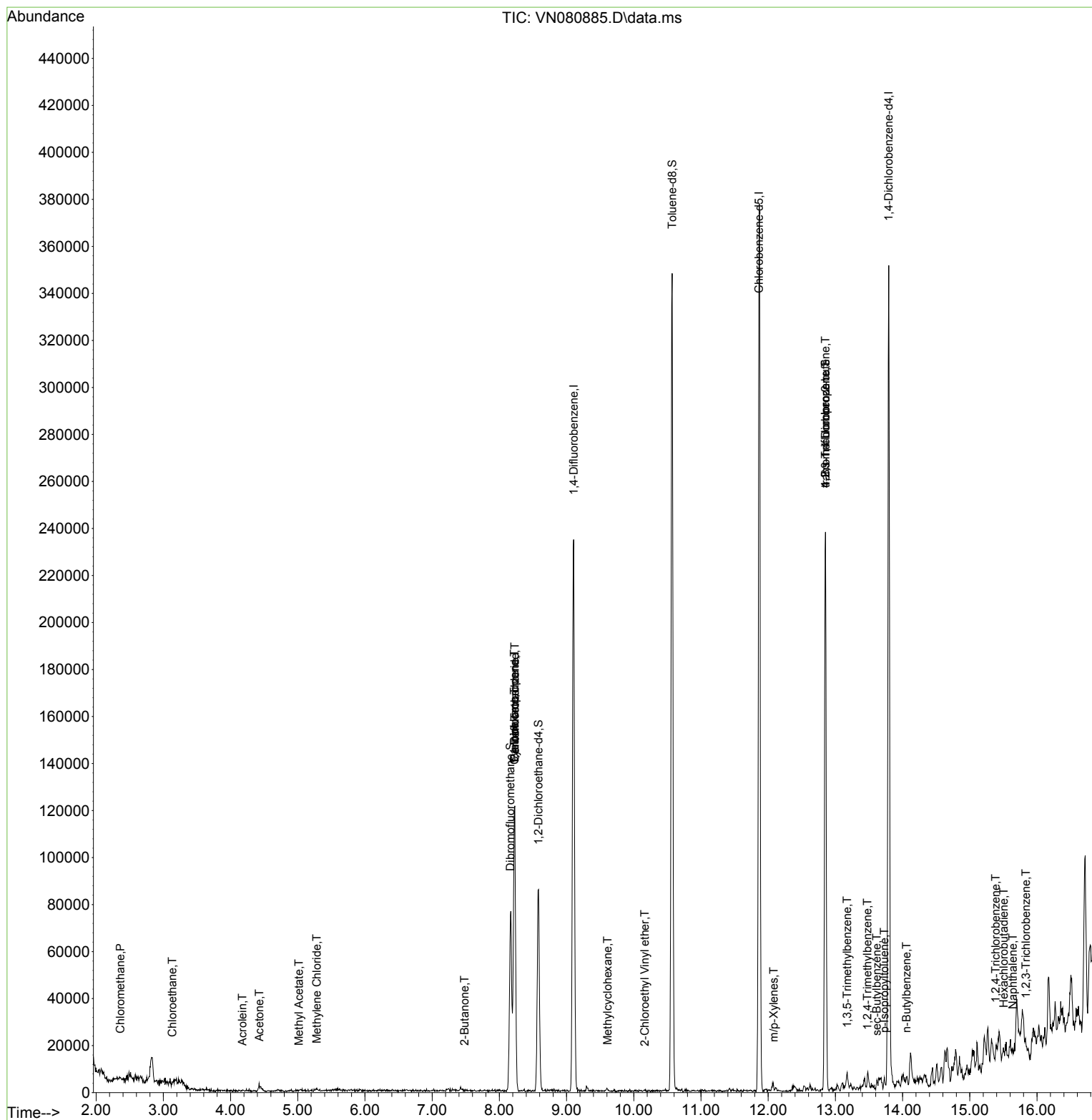
Internal Standards						
1) Pentafluorobenzene	8.229	168	78460	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	182428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	189702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	78823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	65345	48.142	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.280%
35) Dibromofluoromethane	8.165	113	51718	46.338	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.680%
50) Toluene-d8	10.571	98	224763	51.453	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.900%
62) 4-Bromofluorobenzene	12.853	95	78619	51.647	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1769	1.010	ug/l #	43
6) Chloroethane	3.136	64	267	0.376	ug/l #	42
13) Acrolein	4.177	56	300	1.075	ug/l #	41
16) Acetone	4.430	43	4383	8.904	ug/l #	44
18) Methyl Acetate	5.018	43	536	0.312	ug/l #	54
20) Methylene Chloride	5.283	84	453	0.351	ug/l #	59
25) 2-Butanone	7.482	43	303	0.324	ug/l #	51
31) Cyclohexane	8.224	56	3434	1.475	ug/l #	14
36) 1,1-Dichloropropene	8.224	75	9898	4.771	ug/l #	49
38) Carbon Tetrachloride	8.229	117	9553	5.715	ug/l #	14
39) Methylcyclohexane	9.612	83	496	0.241	ug/l #	48
58) 2-Chloroethyl Vinyl ether	10.165	63	291	0.242	ug/l #	52
68) m/p-Xylenes	12.082	106	1023	0.374	ug/l	87
76) 1,2,3-Trichloropropane	12.853	75	47773	20.095	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.176	105	1712	0.298	ug/l	88
81) trans-1,4-Dichloro-2-b...	12.853	75	47773	51.769	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.476	105	4374	0.751	ug/l	93
85) sec-Butylbenzene	13.617	105	1800	0.266	ug/l	92
86) p-Isopropyltoluene	13.729	119	1582	0.301	ug/l	81
89) n-Butylbenzene	14.059	91	2907	0.565	ug/l	84
93) 1,2,4-Trichlorobenzene	15.388	180	431	0.332	ug/l #	1
94) Hexachlorobutadiene	15.506	225	501	0.882	ug/l #	45
95) Naphthalene	15.641	128	6033	1.213	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.835	180	402	0.315	ug/l #	1

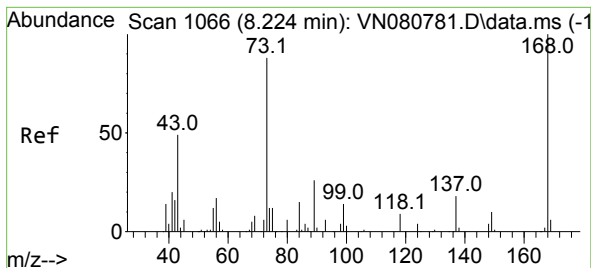
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jan 29 12:54:23 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1066

Delta R.T. 0.005 min

Lab File: VN080885.D

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Instrument :

MSVOA_N

ClientSampleId :

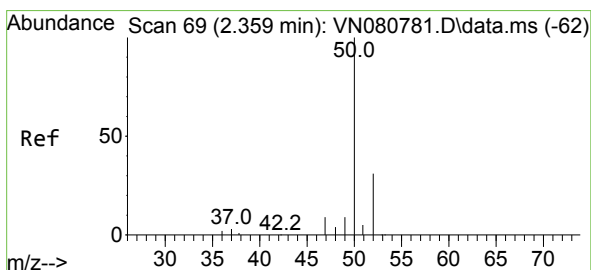
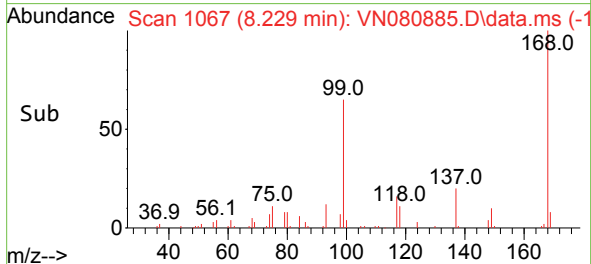
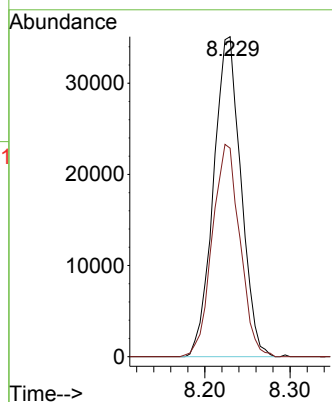
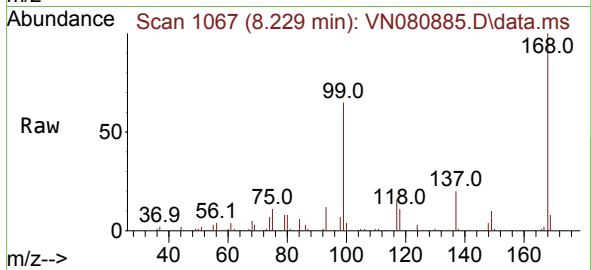
COMP-1

Tgt Ion:168 Resp: 78460

Ion Ratio Lower Upper

168 100

99 65.1 59.9 89.9



#3

Chloromethane

Concen: 1.010 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.000 min

Lab File: VN080885.D

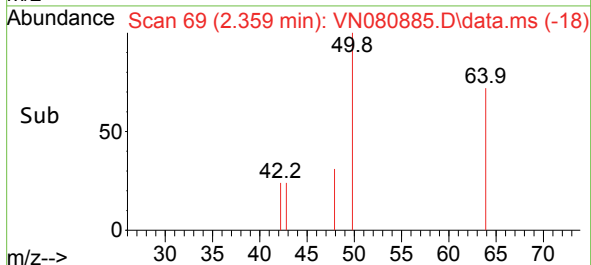
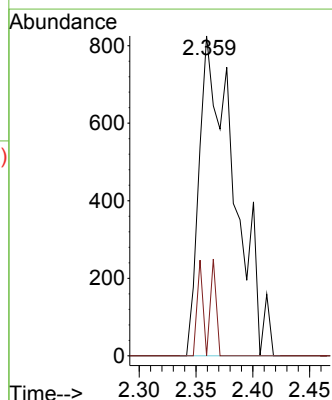
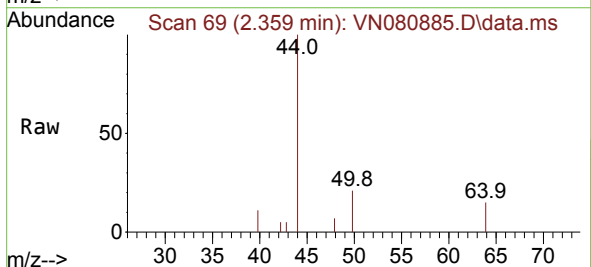
Acq: 02 Feb 2024 19:51

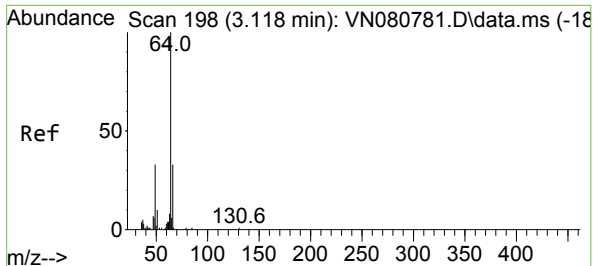
Tgt Ion: 50 Resp: 1769

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#

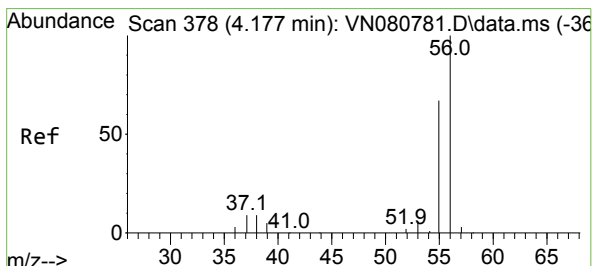
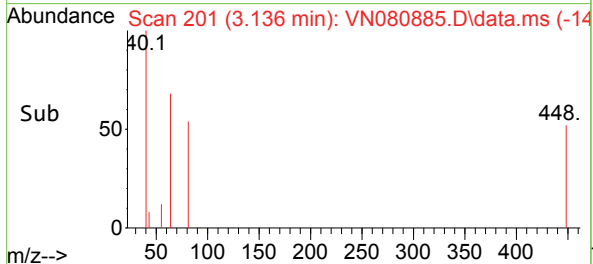
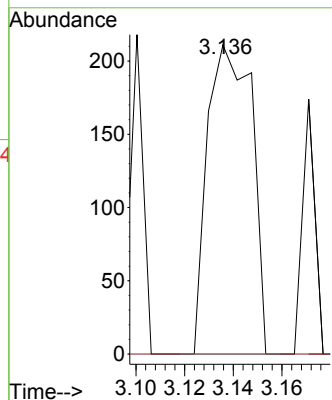
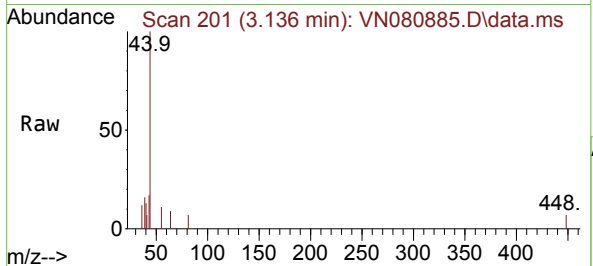




#6
Chloroethane
Concen: 0.376 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

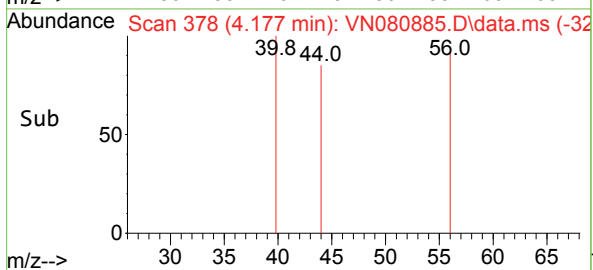
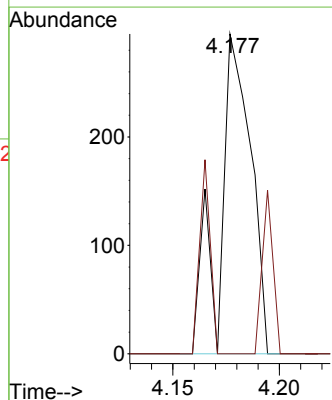
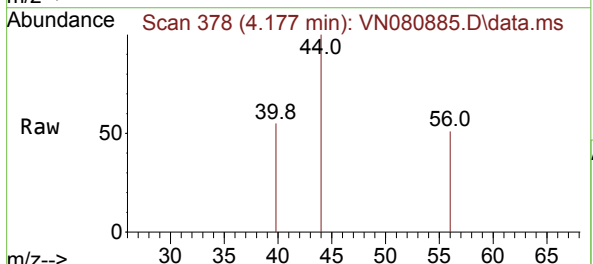
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

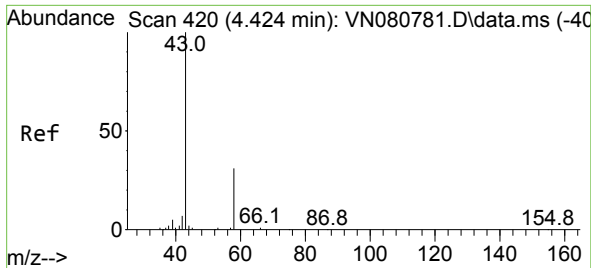
Tgt Ion: 64 Resp: 267
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#13
Acrolein
Concen: 1.075 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

Tgt Ion: 56 Resp: 300
Ion Ratio Lower Upper
56 100
55 21.0 55.3 82.9#

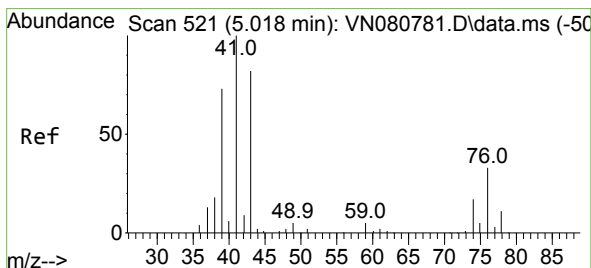
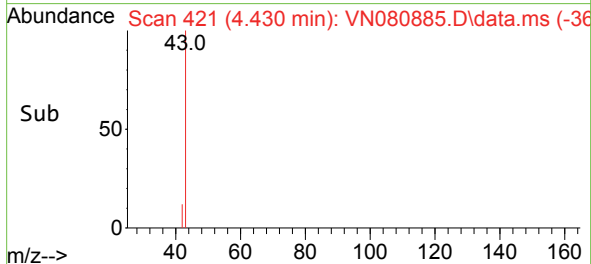
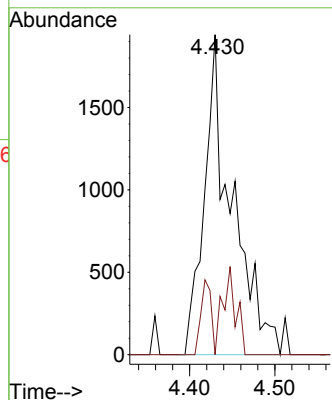
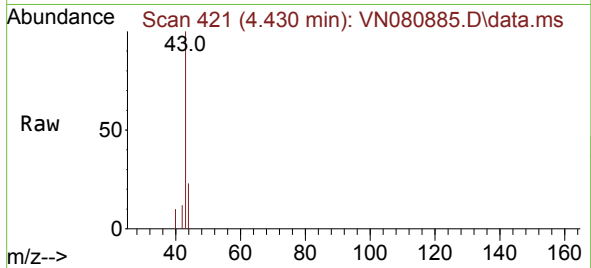




#16
Acetone
Concen: 8.904 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

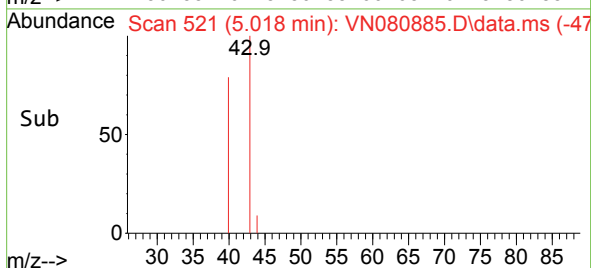
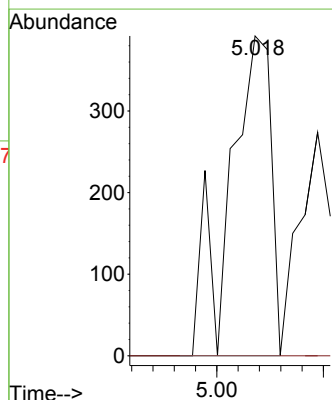
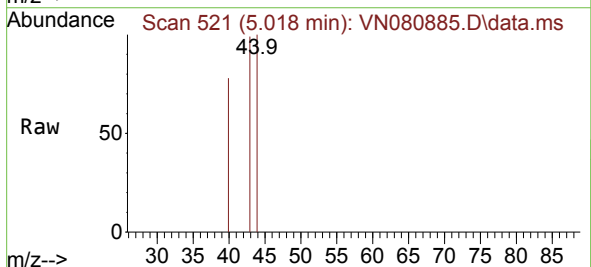
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

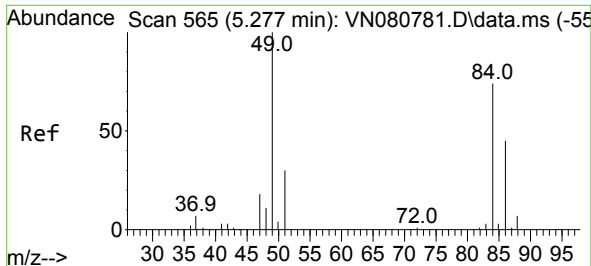
Tgt Ion: 43 Resp: 4383
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#



#18
Methyl Acetate
Concen: 0.312 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

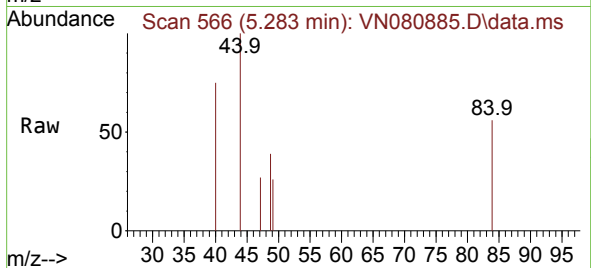
Tgt Ion: 43 Resp: 536
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



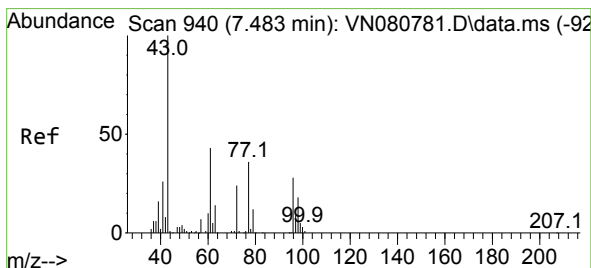
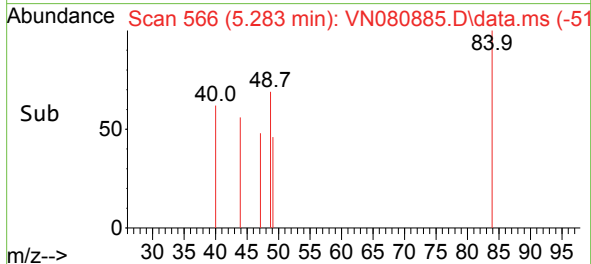
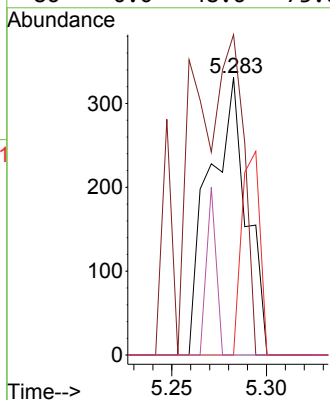


#20
Methylene Chloride
Concen: 0.351 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

Instrument :
MSVOA_N
ClientSampleId :
COMP-1

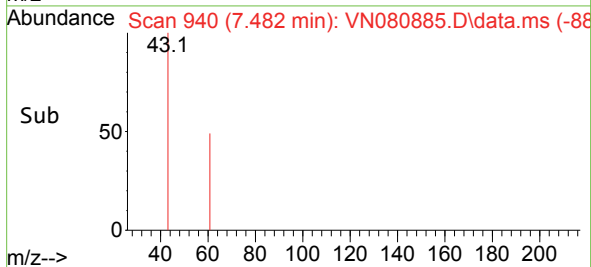
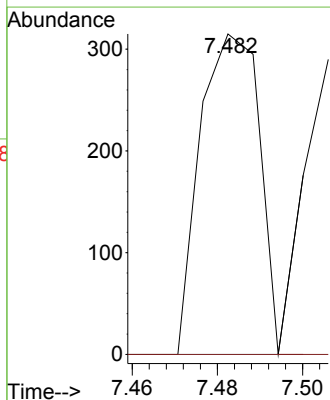
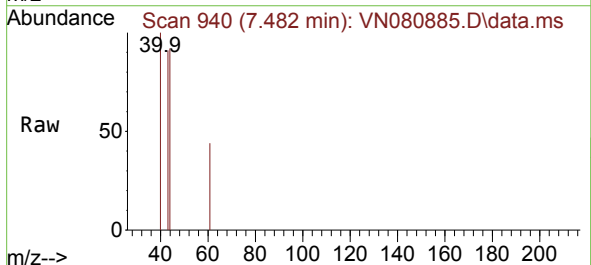


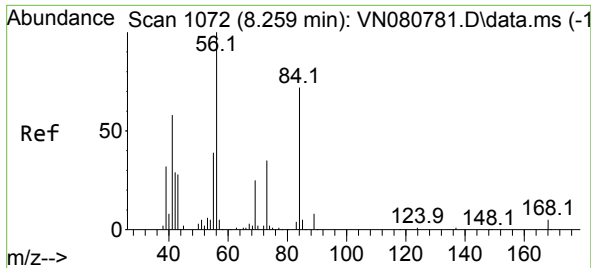
Tgt Ion: 84 Resp: 453
Ion Ratio Lower Upper
84 100
49 115.4 108.1 162.1
51 0.0 32.9 49.3#
86 0.0 48.6 73.0#



#25
2-Butanone
Concen: 0.324 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

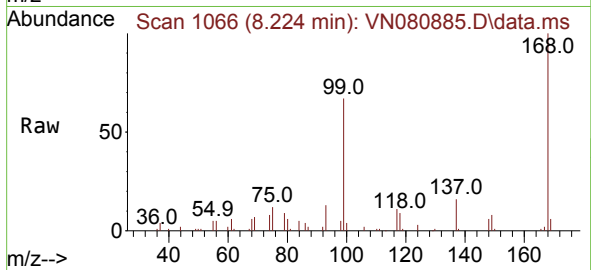
Tgt Ion: 43 Resp: 303
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#



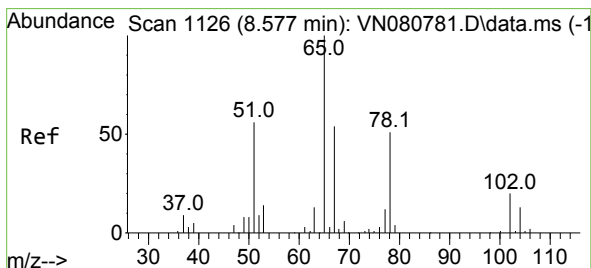
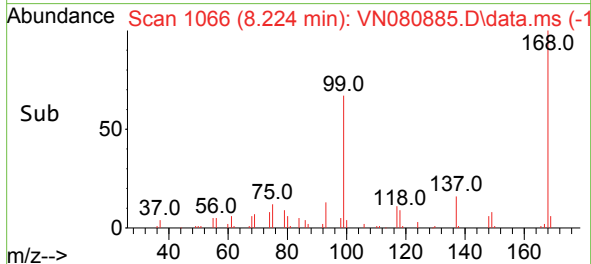
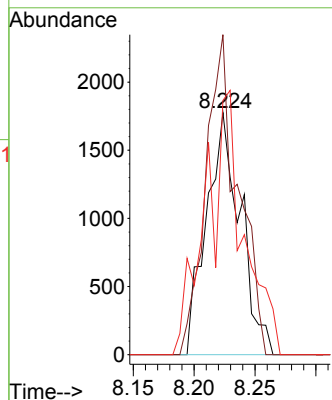


#31
Cyclohexane
Concen: 1.475 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

Instrument :
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ClientSampleId :
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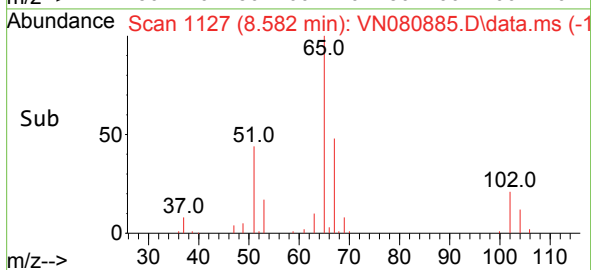
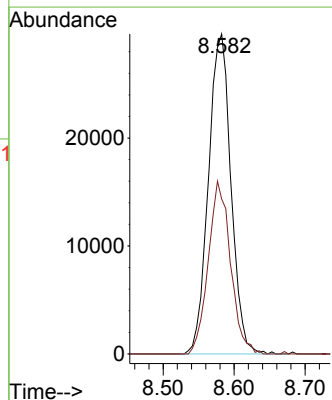
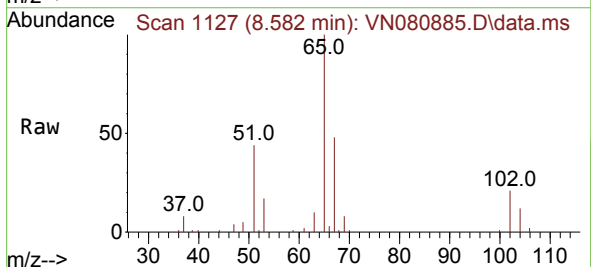


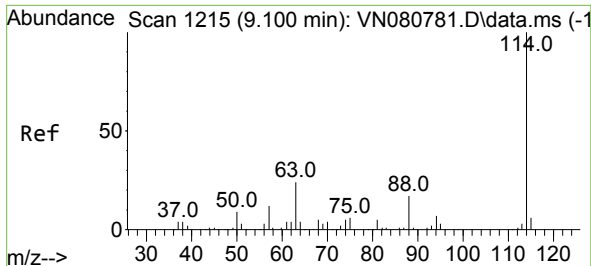
Tgt Ion: 56 Resp: 3434
Ion Ratio Lower Upper
56 100
69 132.1 20.1 30.1#
84 105.0 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 48.142 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

Tgt Ion: 65 Resp: 65345
Ion Ratio Lower Upper
65 100
67 53.3 0.0 102.4

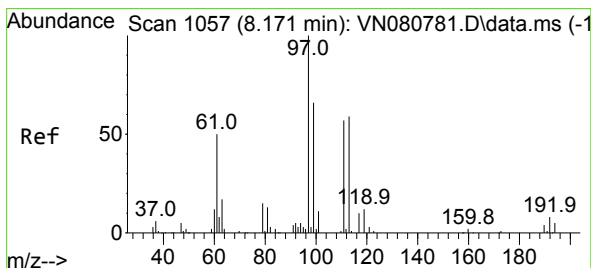
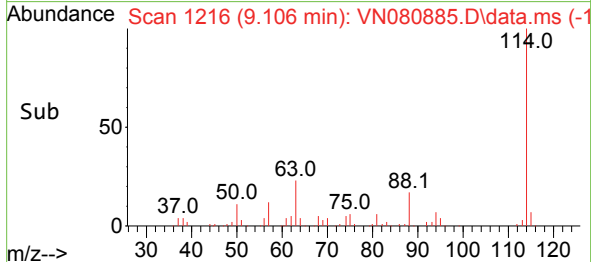
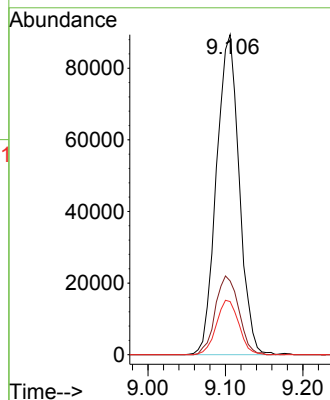
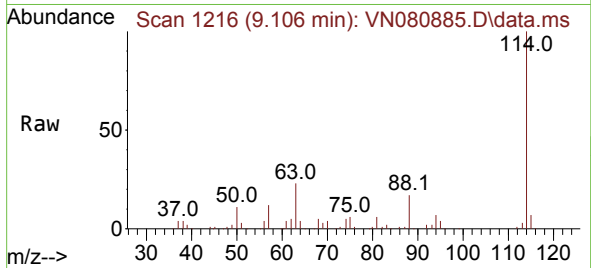




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

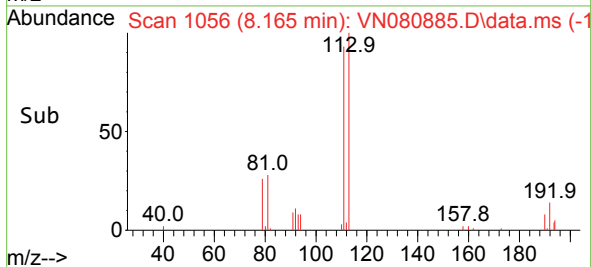
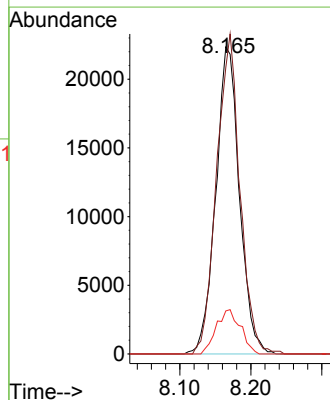
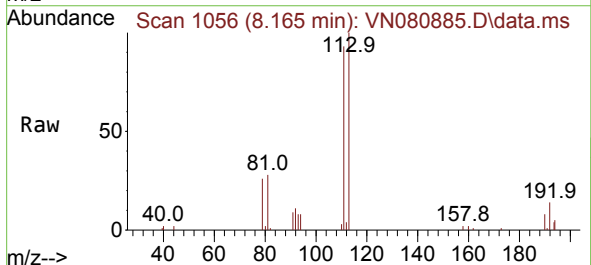
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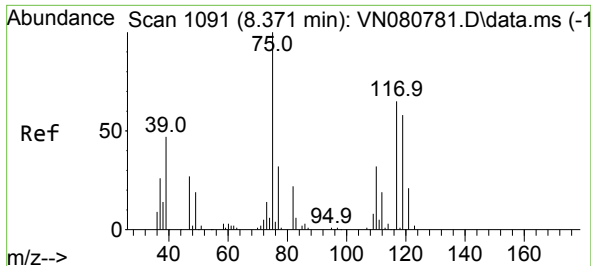
Tgt Ion:114 Resp: 182428
Ion Ratio Lower Upper
114 100
63 23.1 0.0 48.0
88 16.6 0.0 34.8



#35
Dibromofluoromethane
Concen: 46.338 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

Tgt Ion:113 Resp: 51718
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 14.8 12.5 18.7

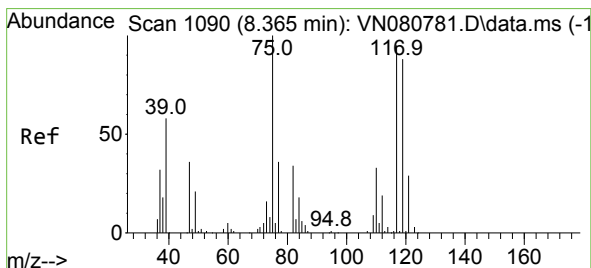
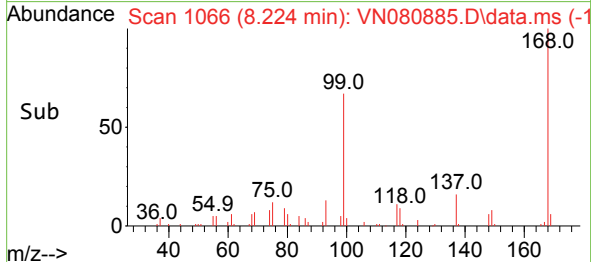
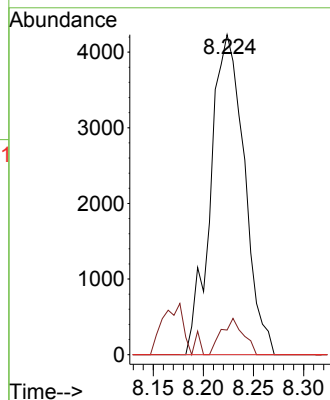
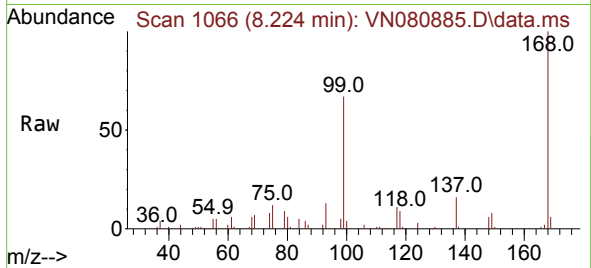




#36
1,1-Dichloropropene
Concen: 4.771 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

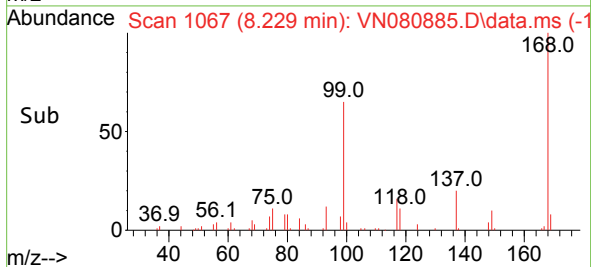
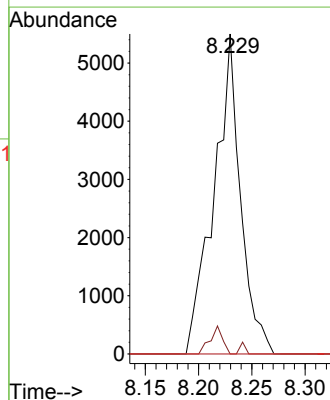
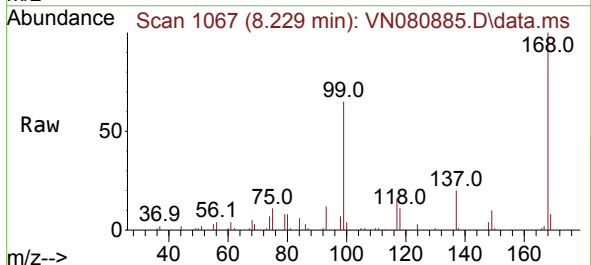
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

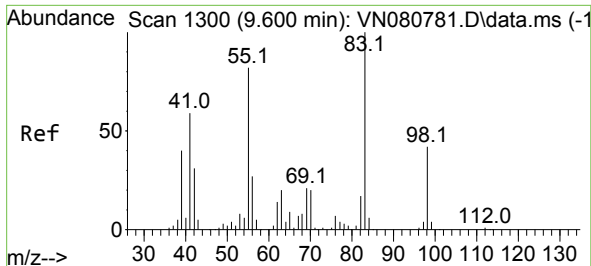
Tgt Ion: 75 Resp: 9898
Ion Ratio Lower Upper
75 100
110 7.4 16.0 48.0#
77 0.0 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 5.715 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

Tgt Ion: 117 Resp: 9553
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.241 ug/l

RT: 9.612 min Scan# 1

Delta R.T. 0.012 min

Lab File: VN080885.D

Acq: 02 Feb 2024 19:51

Instrument :

MSVOA_N

ClientSampleId :

COMP-1

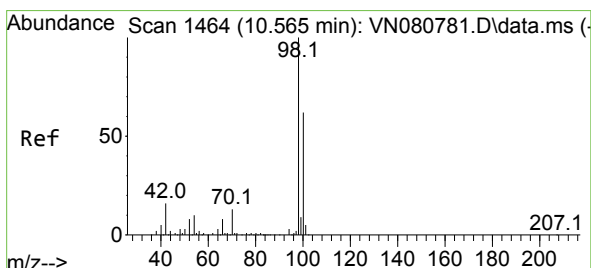
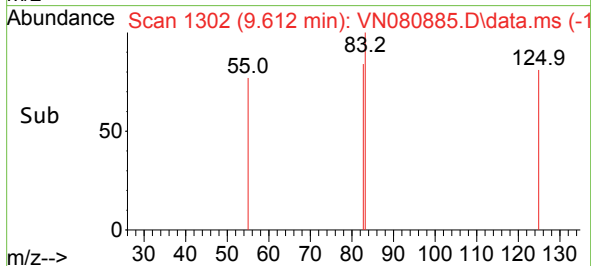
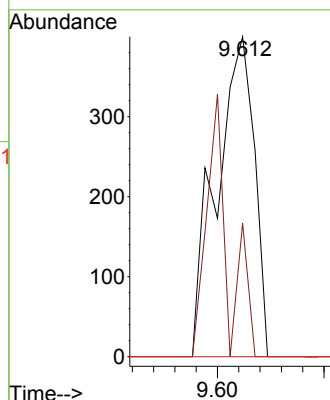
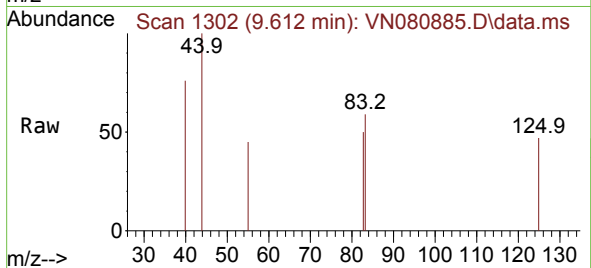
Tgt Ion: 83 Resp: 496

Ion Ratio Lower Upper

83 100

55 41.8 65.7 98.5#

98 0.0 33.8 50.6#



#50

Toluene-d8

Concen: 51.453 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080885.D

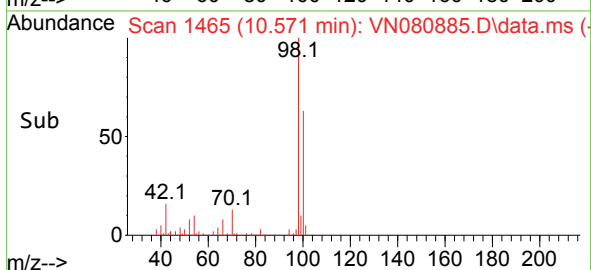
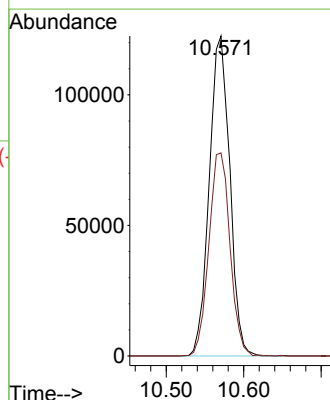
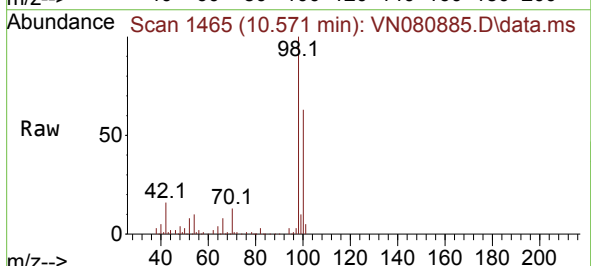
Acq: 02 Feb 2024 19:51

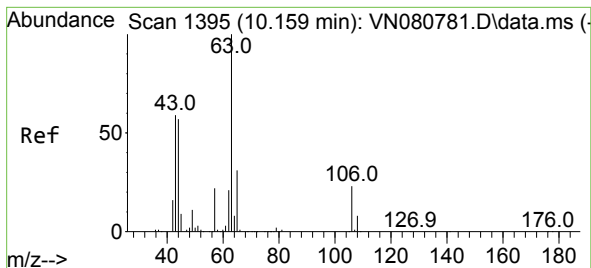
Tgt Ion: 98 Resp: 224763

Ion Ratio Lower Upper

98 100

100 65.6 51.4 77.0

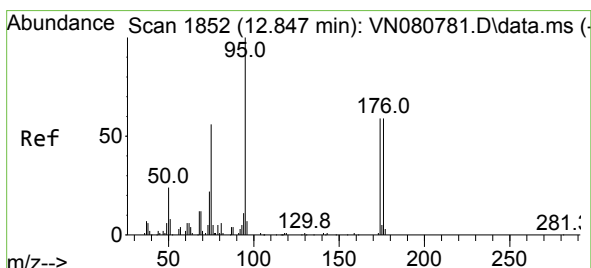
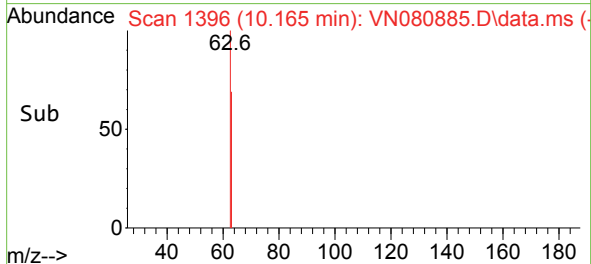
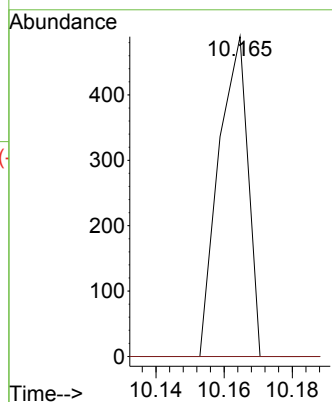
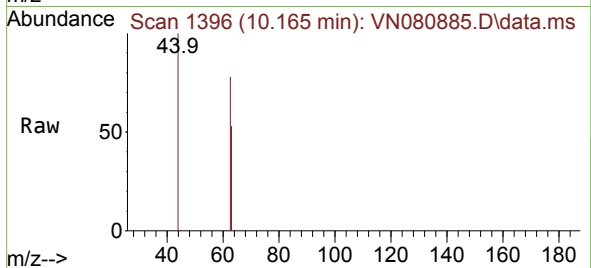




#58
2-Chloroethyl Vinyl ether
Concen: 0.242 ug/l
RT: 10.165 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

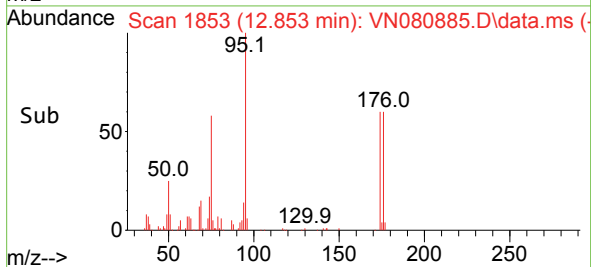
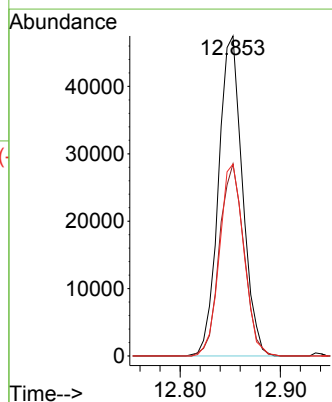
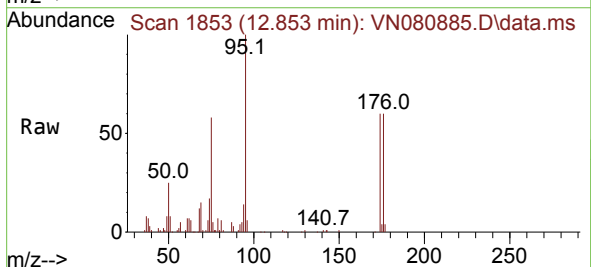
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

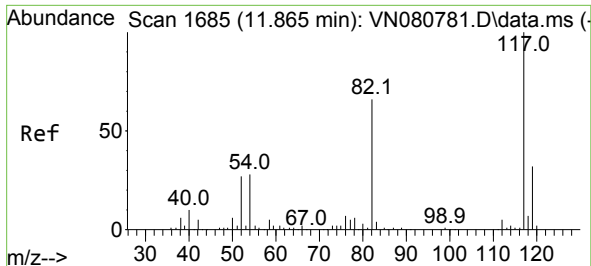
Tgt Ion: 63 Resp: 291
Ion Ratio Lower Upper
63 100
106 0.0 18.6 28.0#



#62
4-Bromofluorobenzene
Concen: 51.647 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

Tgt Ion: 95 Resp: 78619
Ion Ratio Lower Upper
95 100
174 61.2 0.0 120.4
176 60.9 0.0 121.0

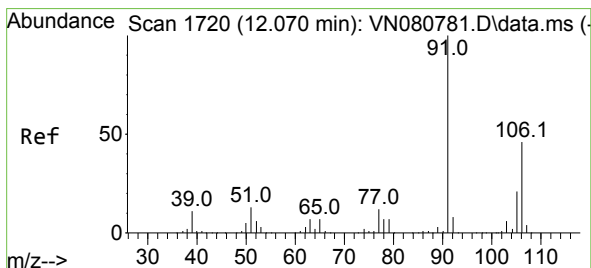
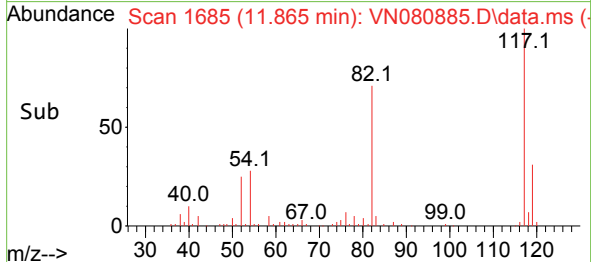
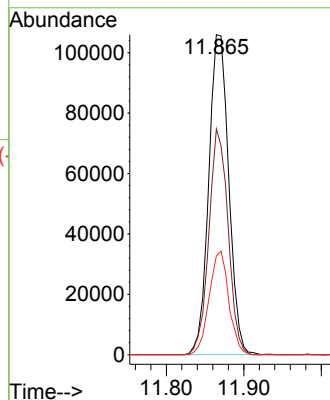
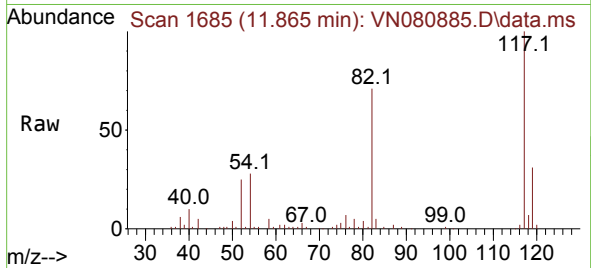




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

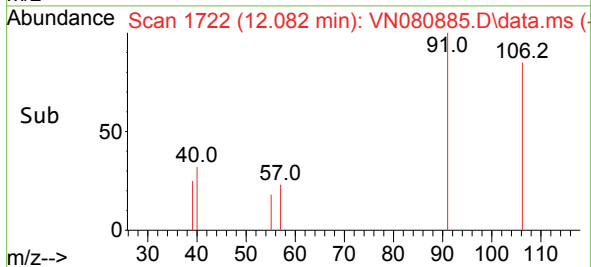
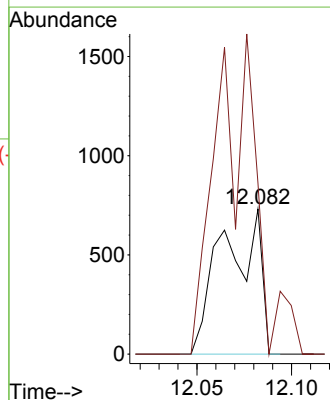
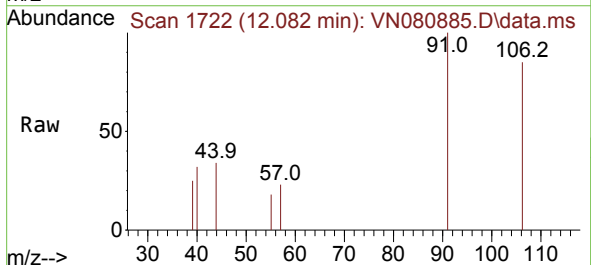
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

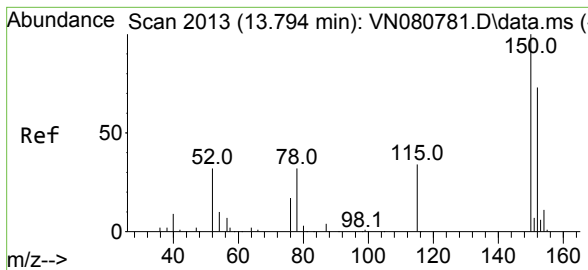
Tgt Ion:117 Resp: 189702
Ion Ratio Lower Upper
117 100
82 70.6 52.7 79.1
119 30.9 25.3 37.9



#68
m/p-Xylenes
Concen: 0.374 ug/l
RT: 12.082 min Scan# 1722
Delta R.T. 0.012 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

Tgt Ion:106 Resp: 1023
Ion Ratio Lower Upper
106 100
91 232.3 169.0 253.6

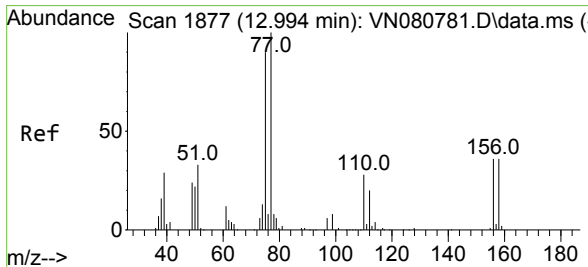
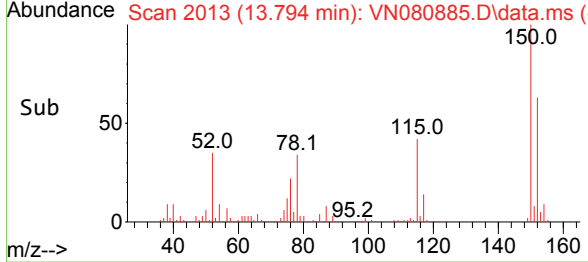
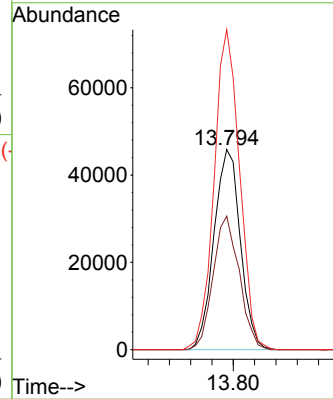
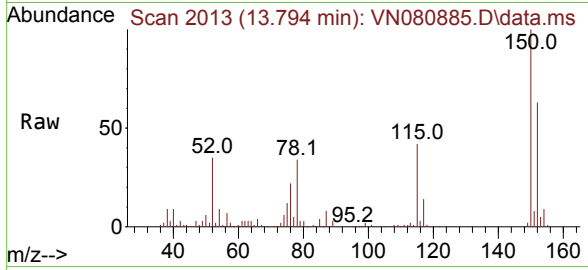




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN080885.D
 Acq: 02 Feb 2024 19:51

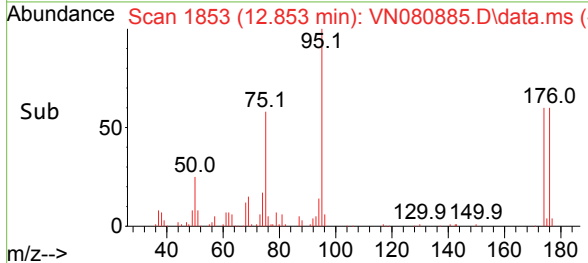
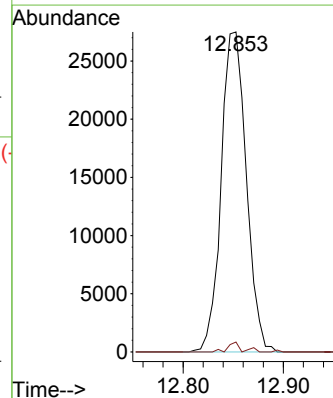
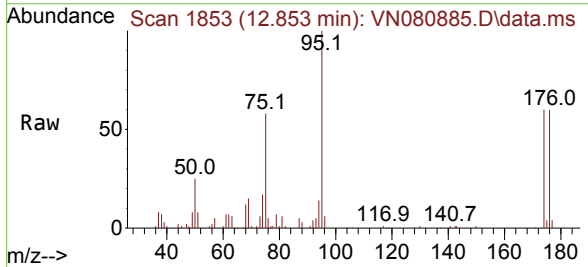
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1

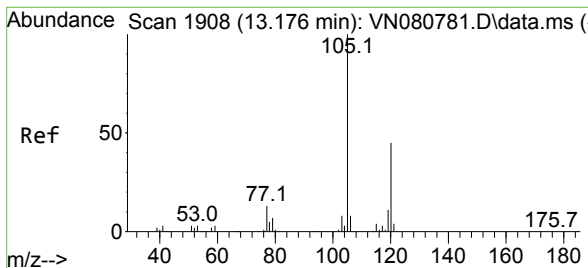
Tgt Ion:152 Resp: 78823
 Ion Ratio Lower Upper
 152 100
 115 66.1 32.3 96.8
 150 154.3 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 20.095 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN080885.D
 Acq: 02 Feb 2024 19:51

Tgt Ion: 75 Resp: 47773
 Ion Ratio Lower Upper
 75 100
 77 1.4 91.0 272.8#

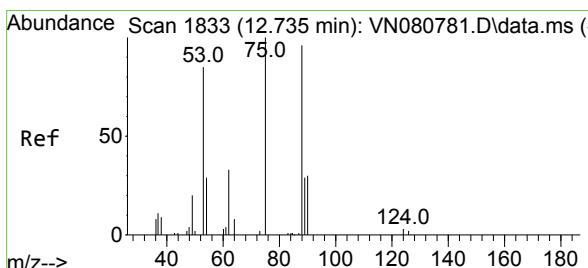
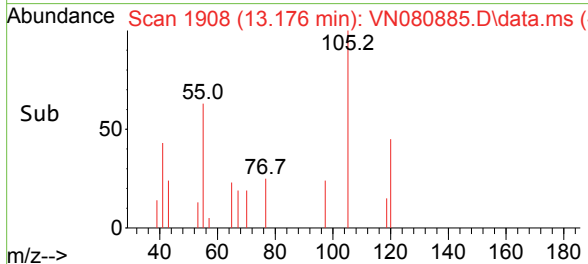
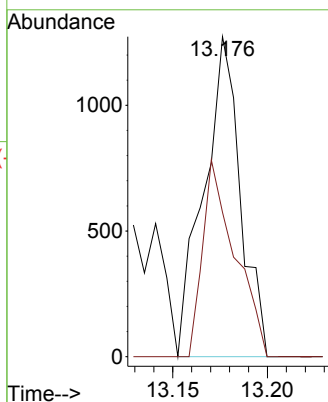
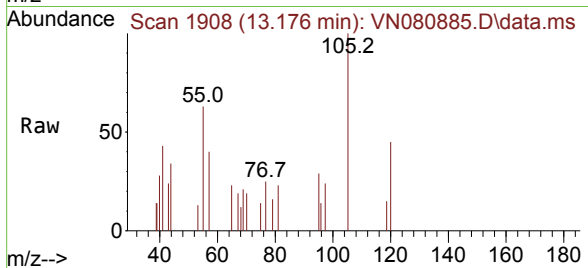




#80
 1,3,5-Trimethylbenzene
 Concen: 0.298 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VN080885.D
 Acq: 02 Feb 2024 19:51

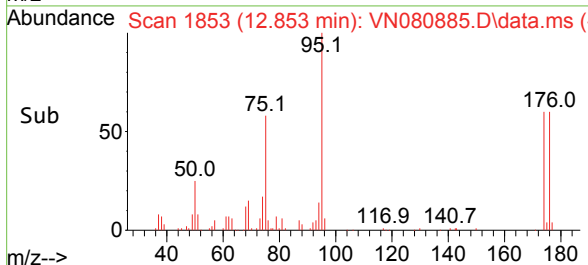
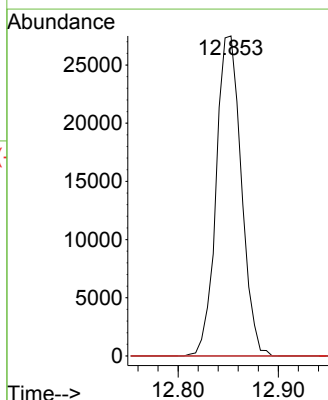
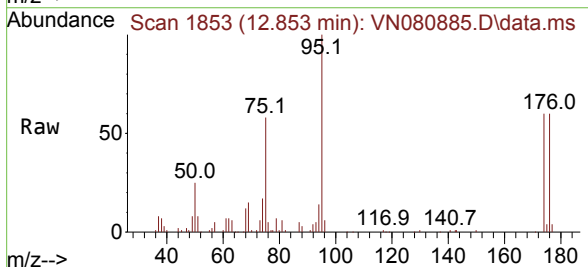
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1

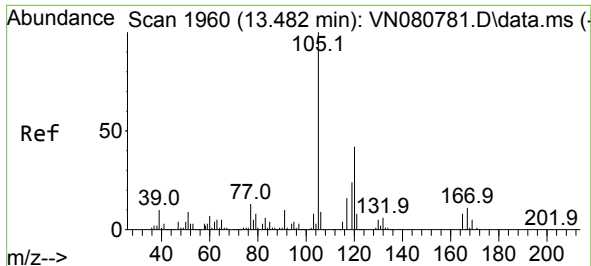
Tgt Ion:105 Resp: 1712
 Ion Ratio Lower Upper
 105 100
 120 54.1 23.0 69.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.769 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.118 min
 Lab File: VN080885.D
 Acq: 02 Feb 2024 19:51

Tgt Ion: 75 Resp: 47773
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

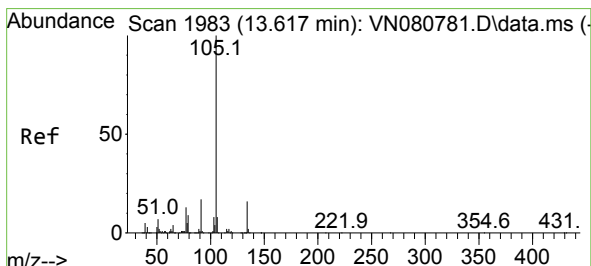
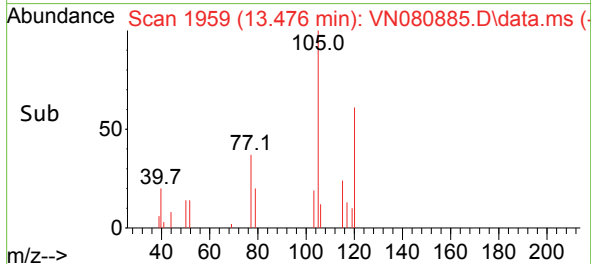
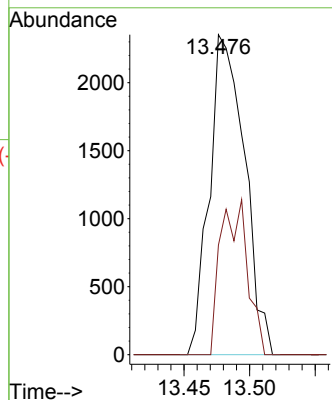
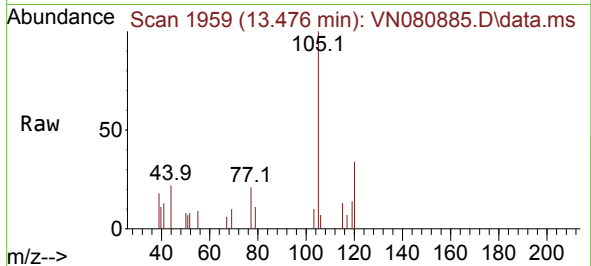




#84
1,2,4-Trimethylbenzene
Concen: 0.751 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

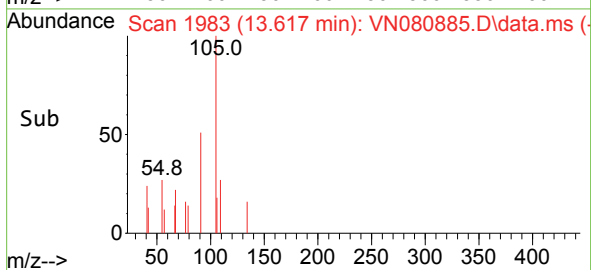
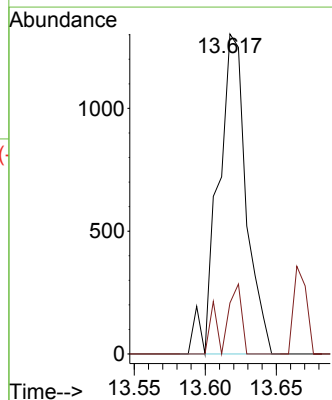
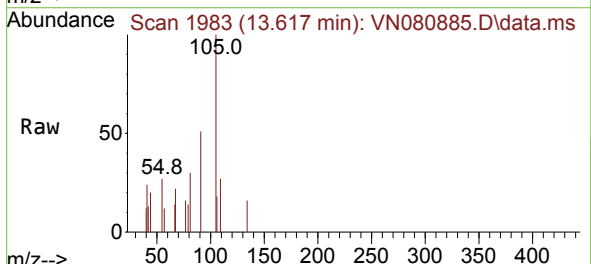
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

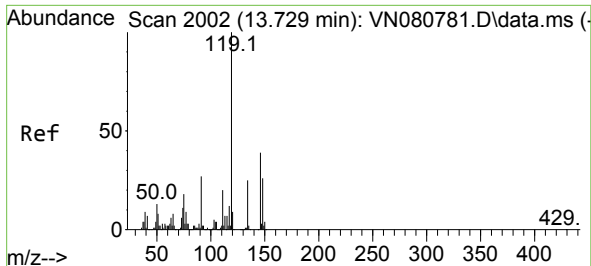
Tgt Ion:105 Resp: 4374
Ion Ratio Lower Upper
105 100
120 37.2 20.9 62.7



#85
sec-Butylbenzene
Concen: 0.266 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

Tgt Ion:105 Resp: 1800
Ion Ratio Lower Upper
105 100
134 13.9 8.6 25.8

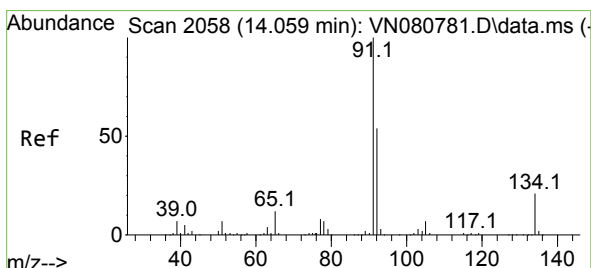
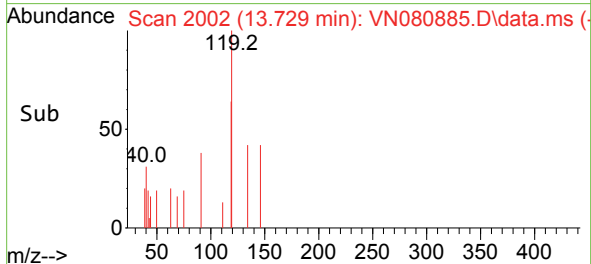
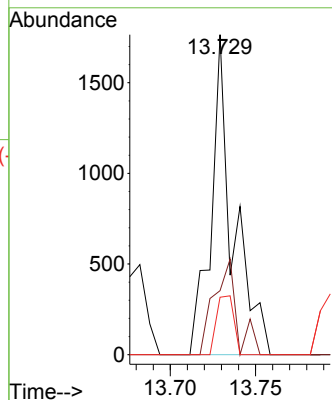
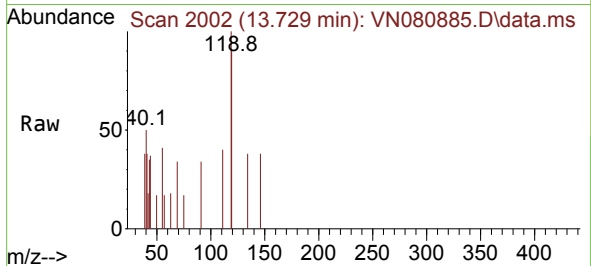




#86
p-Isopropyltoluene
Concen: 0.301 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

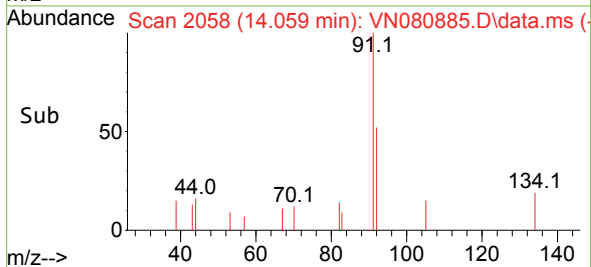
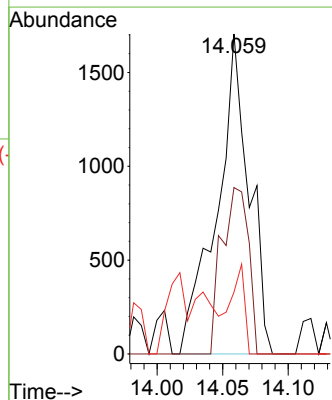
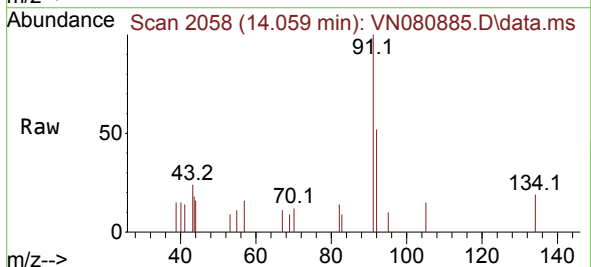
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

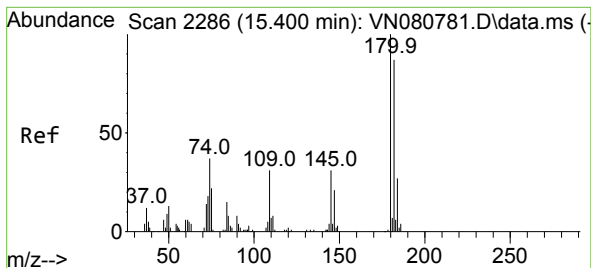
Tgt Ion:119 Resp: 1582
Ion Ratio Lower Upper
119 100
134 31.0 12.4 37.2
91 14.3 13.5 40.4



#89
n-Butylbenzene
Concen: 0.565 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

Tgt Ion: 91 Resp: 2907
Ion Ratio Lower Upper
91 100
92 43.1 26.7 80.1
134 12.5 10.8 32.4





#93

1,2,4-Trichlorobenzene

Concen: 0.332 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.012 min

Lab File: VN080885.D

Acq: 02 Feb 2024 19:51

Instrument :

MSVOA_N

ClientSampleId :

COMP-1

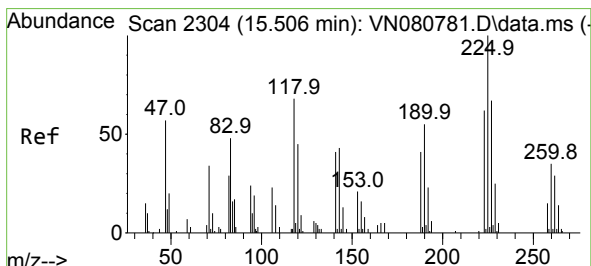
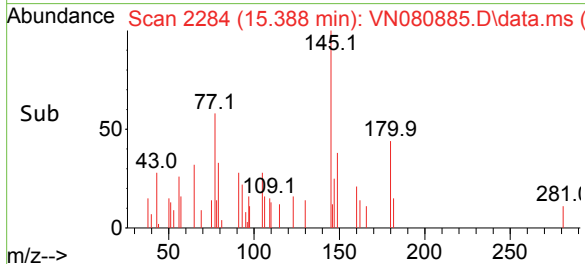
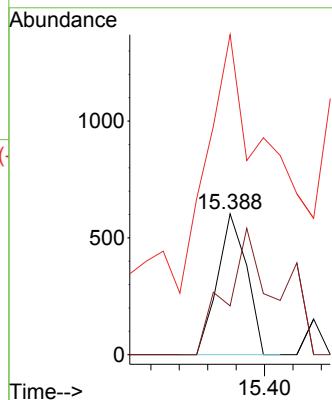
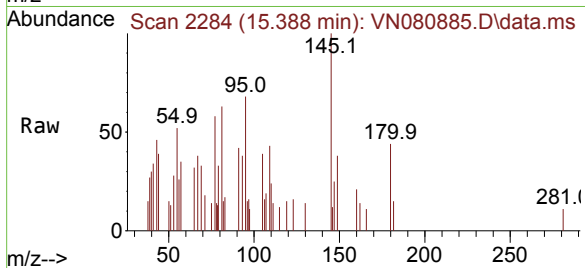
Tgt Ion:180 Resp: 431

Ion Ratio Lower Upper

180 100

182 155.9 46.6 139.7#

145 701.4 16.8 50.3#



#94

Hexachlorobutadiene

Concen: 0.882 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. -0.000 min

Lab File: VN080885.D

Acq: 02 Feb 2024 19:51

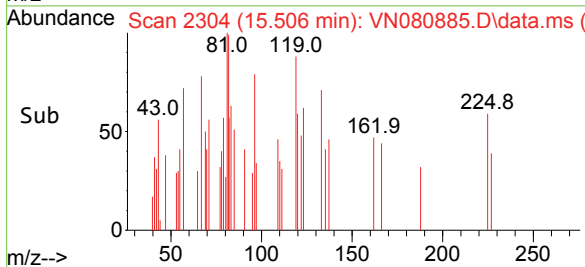
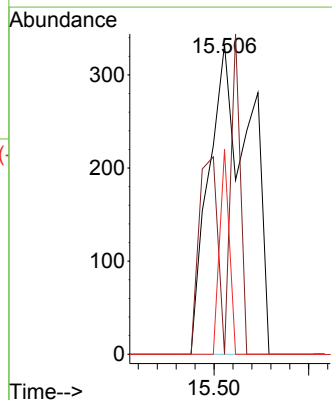
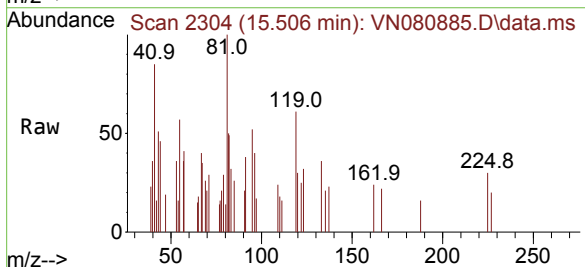
Tgt Ion:225 Resp: 501

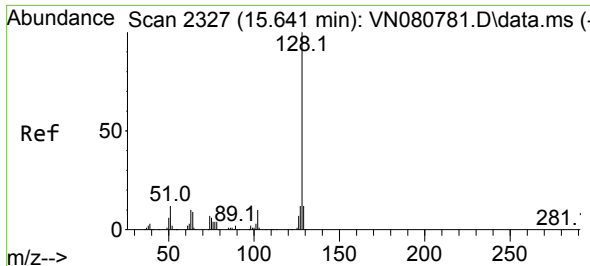
Ion Ratio Lower Upper

225 100

223 28.9 33.3 99.8#

227 15.6 33.1 99.2#

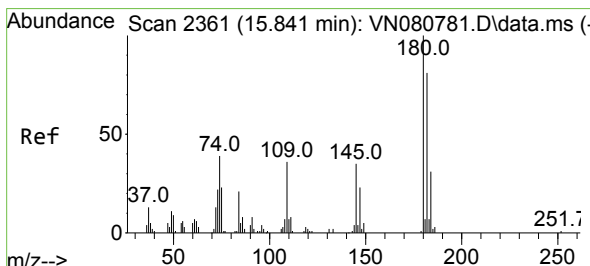
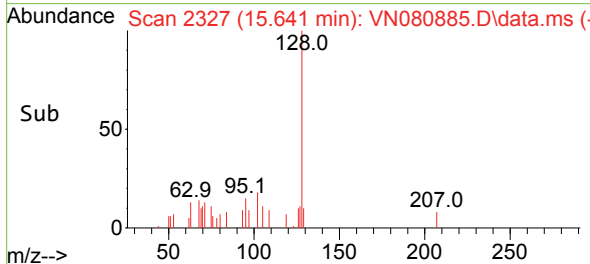
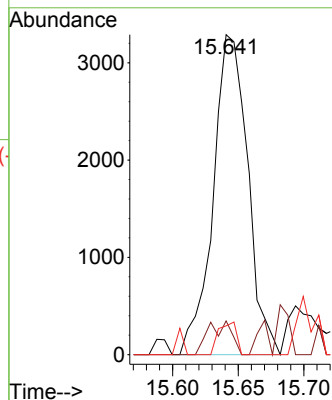
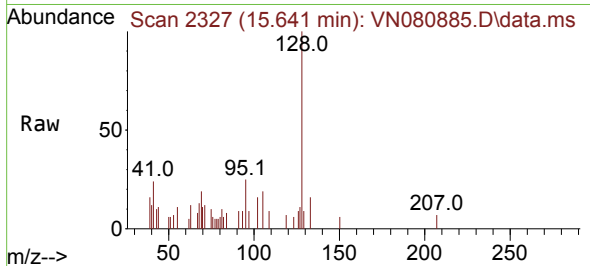




#95
Naphthalene
Concen: 1.213 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

Instrument :
MSVOA_N
ClientSampleId :
COMP-1

Tgt Ion:128 Resp: 6033
Ion Ratio Lower Upper
128 100
127 7.0 10.0 15.0#
129 5.3 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.315 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN080885.D
Acq: 02 Feb 2024 19:51

Tgt Ion:180 Resp: 402
Ion Ratio Lower Upper
180 100
182 0.0 46.5 139.3#
145 415.2 17.8 53.4#

