

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051624\
 Data File : VN082169.D
 Acq On : 16 May 2024 18:06
 Operator : JC\MD
 Sample : PB160937ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB160937ZHE#04

Quant Time: May 17 05:06:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:08:43 2024
 Response via : Initial Calibration

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

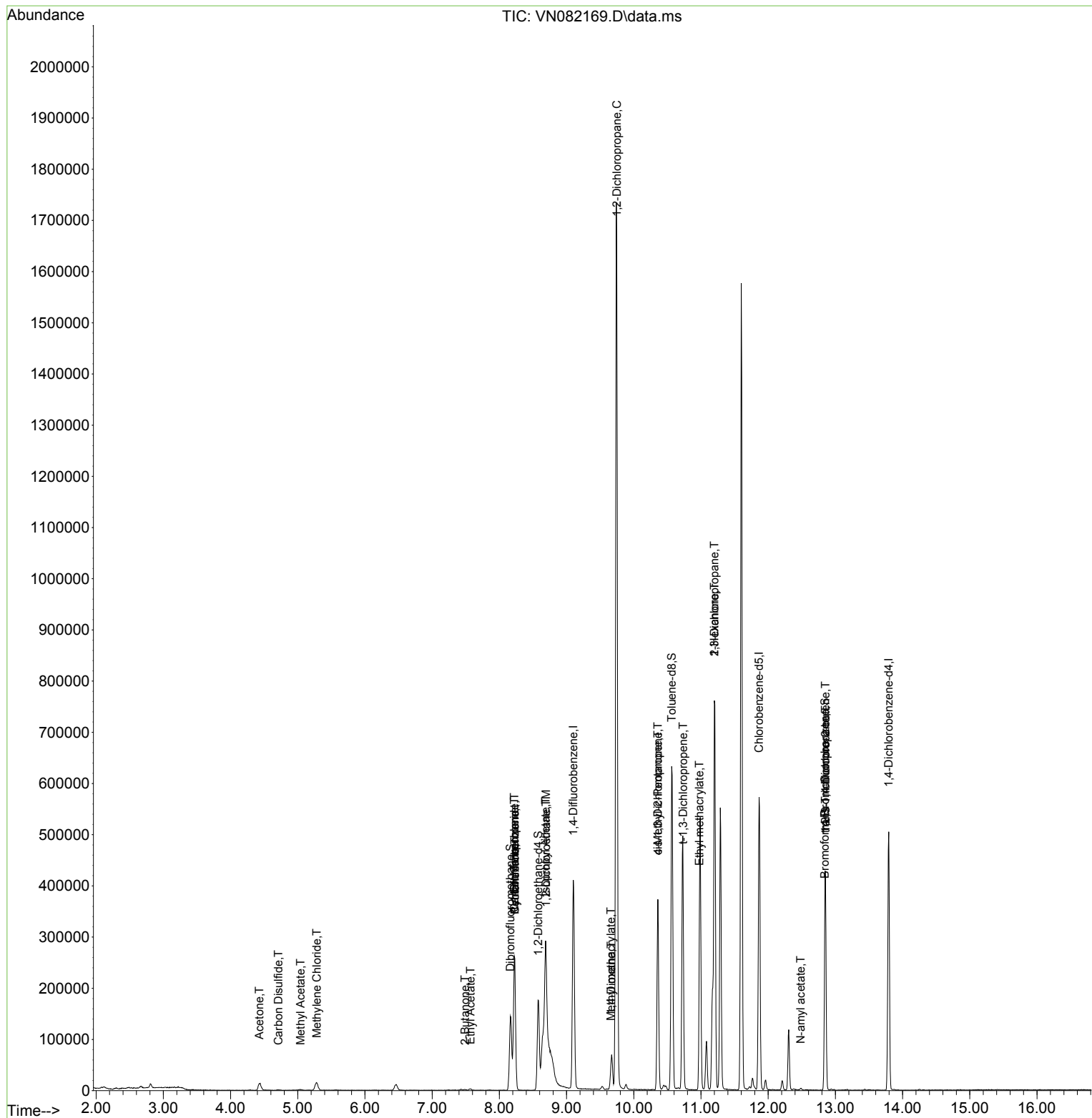
Internal Standards						
1) Pentafluorobenzene	8.230	168	178351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	320261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	302471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	122196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	144729	51.391	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.780%	
35) Dibromofluoromethane	8.165	113	101572	51.557	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.120%	
50) Toluene-d8	10.565	98	407808	53.991	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.980%	
62) 4-Bromofluorobenzene	12.847	95	137315	50.934	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 101.860%	
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	27490	23.796	ug/l	90
17) Carbon Disulfide	4.712	76	1601	0.254	ug/l #	74
18) Methyl Acetate	5.042	43	3320	1.154	ug/l #	55
20) Methylene Chloride	5.283	84	10674	4.579	ug/l #	85
25) 2-Butanone	7.488	43	2785	1.590	ug/l #	79
31) Cyclohexane	8.230	56	5458	1.213	ug/l #	48
36) 1,1-Dichloropropene	8.224	75	16528	5.002	ug/l #	48
37) Ethyl Acetate	7.571	43	5152	1.393	ug/l #	79
38) Carbon Tetrachloride	8.224	117	19809	5.914	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	1612	0.425	ug/l #	73
43) Isopropyl Acetate	8.688	43	606512	92.566	ug/l #	62
45) 1,2-Dichloropropane	9.747	63	2137	0.841	ug/l #	45
48) Methyl methacrylate	9.659	41	5224	1.673	ug/l #	8
49) 1,4-Dioxane	9.665	88	58	1.326	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	148590	39.914	ug/l #	43
53) t-1,3-Dichloropropene	10.735	75	916	0.251	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	56917	14.756	ug/l #	75
56) Ethyl methacrylate	10.976	69	1607	0.440	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6834	1.701	ug/l #	42
59) 2-Hexanone	11.200	43	115644	42.425	ug/l #	48
71) Bromoform	12.841	173	532	0.337	ug/l #	1
74) N-amyl acetate	12.482	43	1362	0.255	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	79100	30.755	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	79100	71.935	ug/l #	12

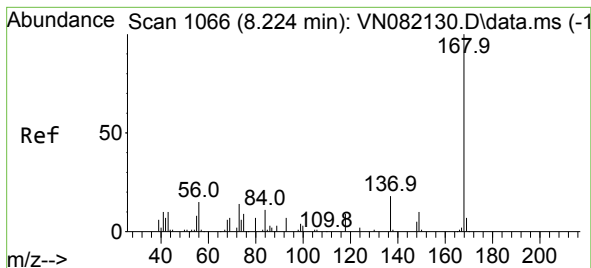
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082169.D

Acq: 16 May 2024 18:06

Instrument :

MSVOA_N

ClientSampleId :

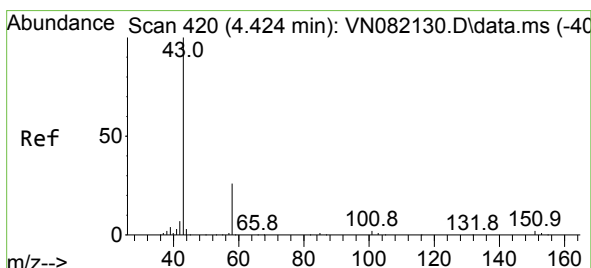
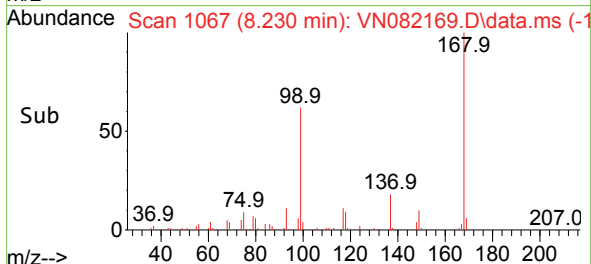
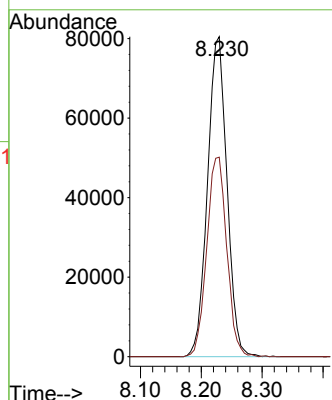
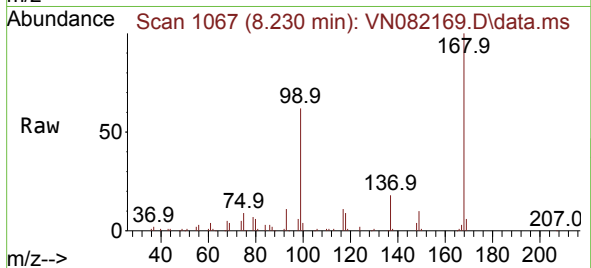
PB160937ZHE#04

Tgt Ion:168 Resp: 178351

Ion Ratio Lower Upper

168 100

99 62.3 48.2 72.4



#16

Acetone

Concen: 23.796 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN082169.D

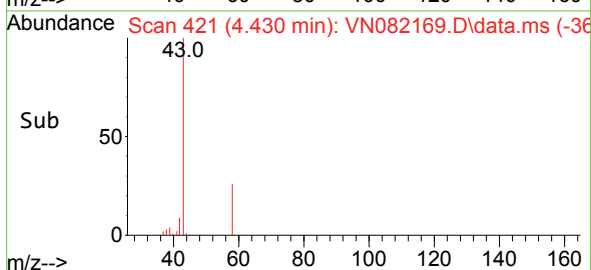
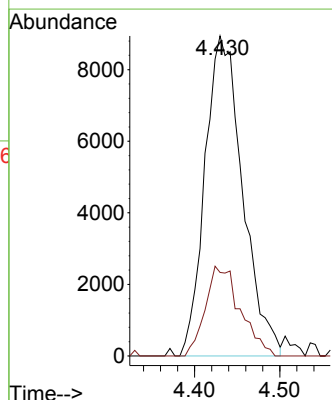
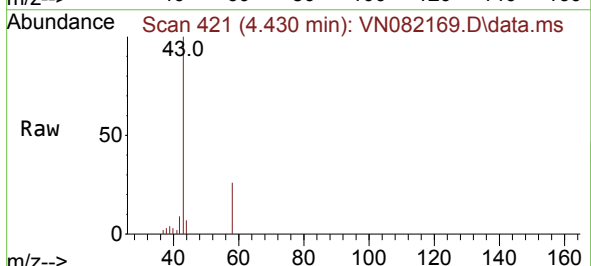
Acq: 16 May 2024 18:06

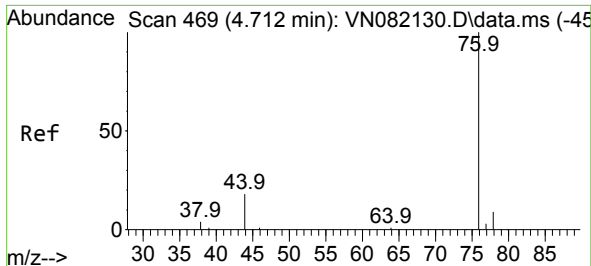
Tgt Ion: 43 Resp: 27490

Ion Ratio Lower Upper

43 100

58 26.1 25.2 37.8

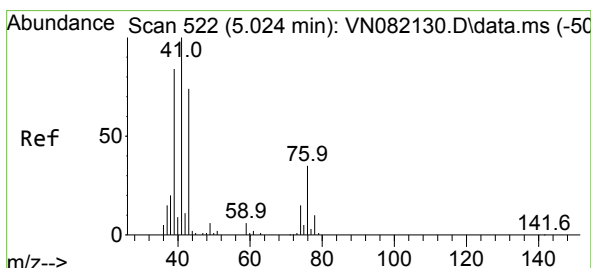
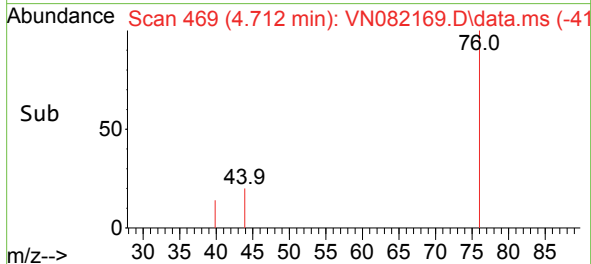
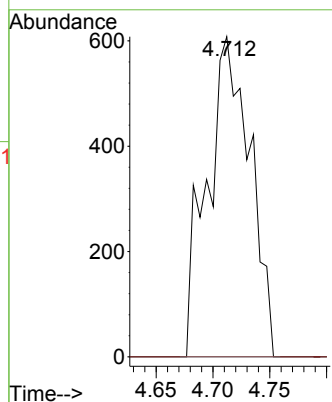
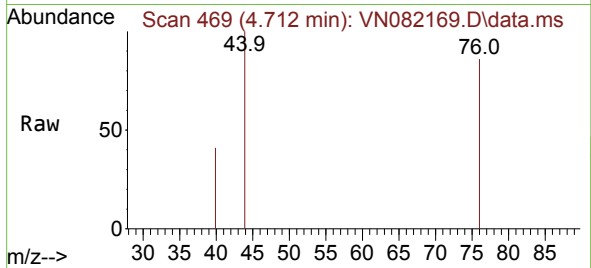




#17
Carbon Disulfide
Concen: 0.254 ug/l
RT: 4.712 min Scan# 410
Delta R.T. -0.000 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

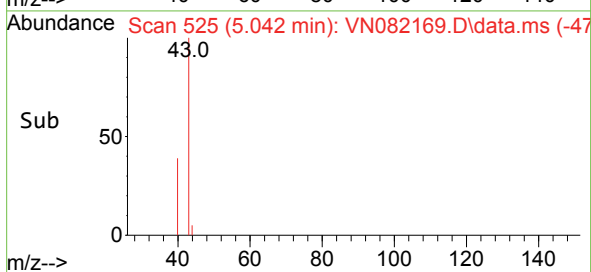
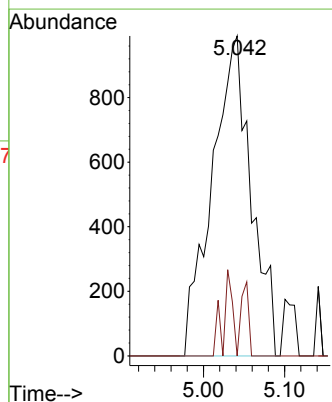
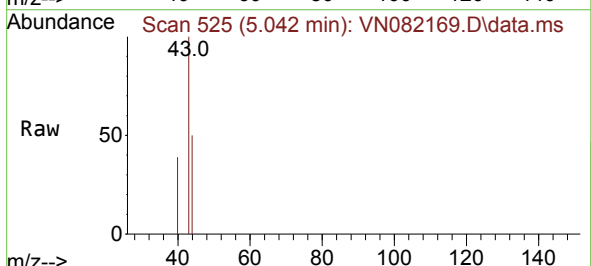
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#04

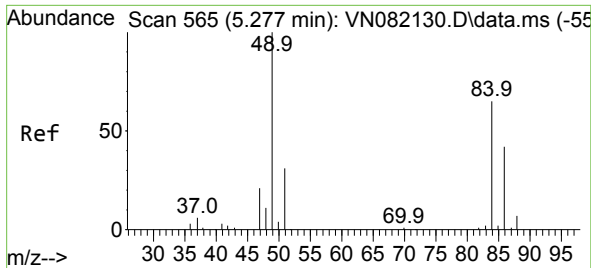
Tgt Ion: 76 Resp: 1601
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#18
Methyl Acetate
Concen: 1.154 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.018 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

Tgt Ion: 43 Resp: 3320
Ion Ratio Lower Upper
43 100
74 4.4 22.2 33.2#

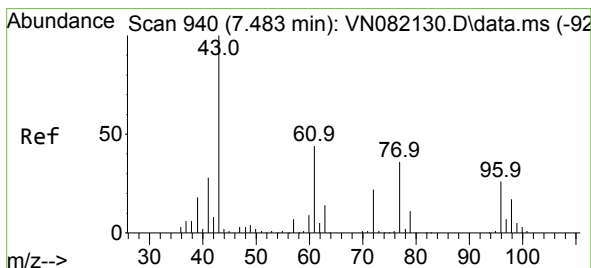
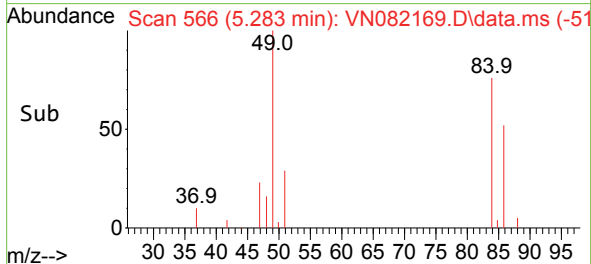
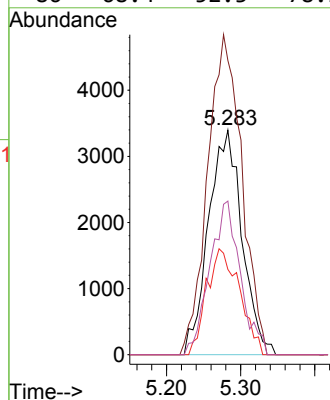
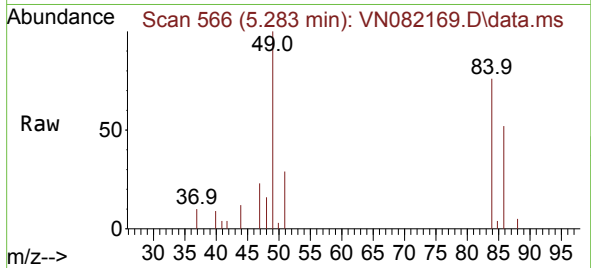




#20
Methylene Chloride
Concen: 4.579 ug/l
RT: 5.283 min Scan# 50
Delta R.T. 0.006 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

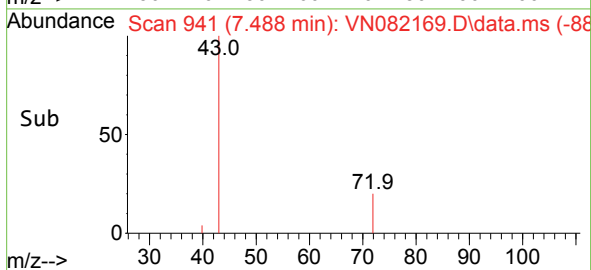
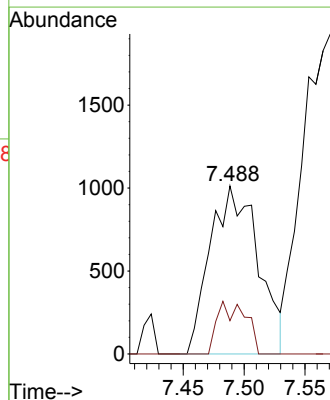
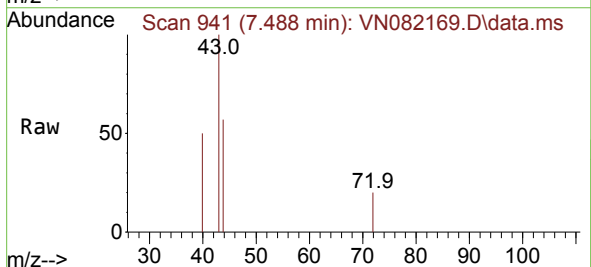
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#04

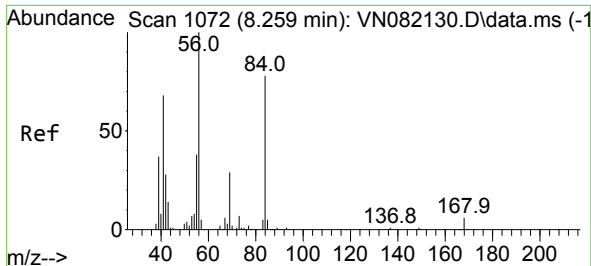
Tgt Ion:	84	Resp:	10674
Ion	Ratio	Lower	Upper
84	100		
49	131.1	84.9	127.3#
51	38.0	27.0	40.6
86	68.4	52.3	78.5



#25
2-Butanone
Concen: 1.590 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

Tgt Ion:	43	Resp:	2785
Ion	Ratio	Lower	Upper
43	100		
72	19.8	25.3	37.9#

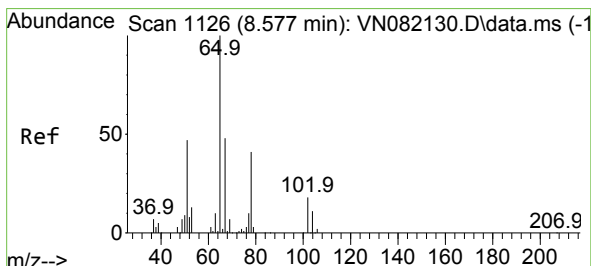
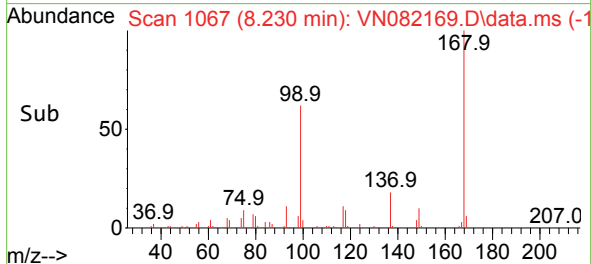
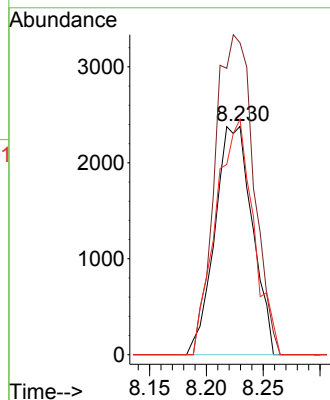
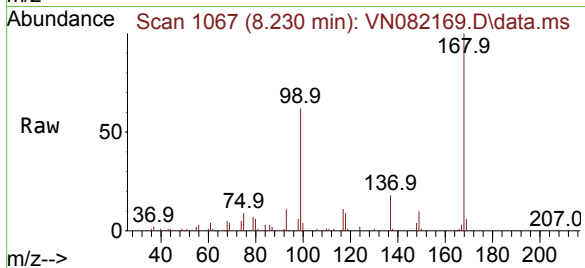




#31
Cyclohexane
Concen: 1.213 ug/l
RT: 8.230 min Scan# 1072
Delta R.T. -0.029 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

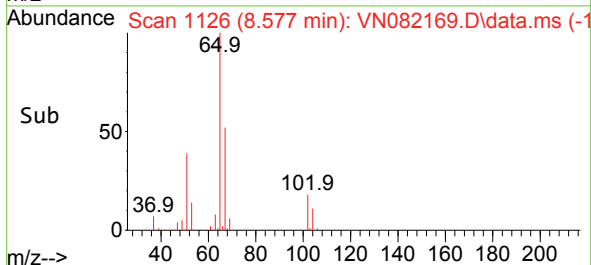
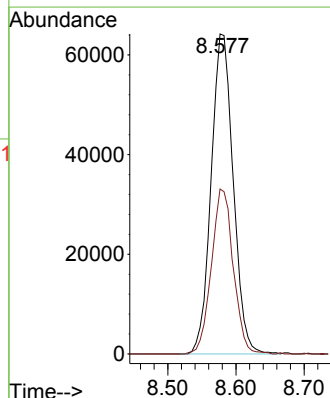
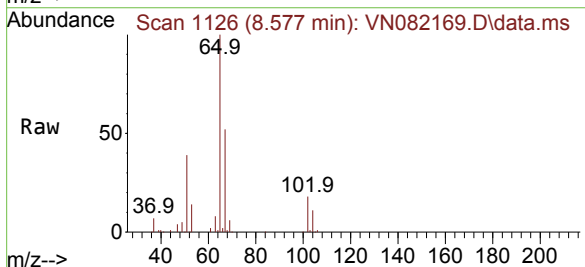
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#04

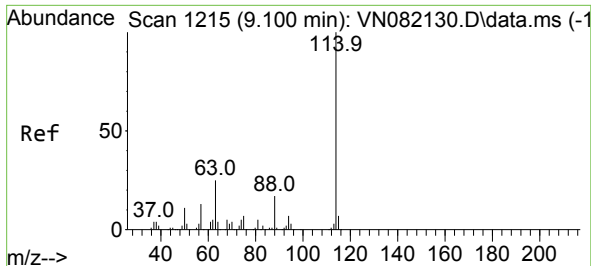
Tgt Ion: 56 Resp: 5458
Ion Ratio Lower Upper
56 100
69 136.6 24.4 36.6#
84 103.2 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 51.391 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

Tgt Ion: 65 Resp: 144729
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082169.D

Acq: 16 May 2024 18:06

Instrument :

MSVOA_N

ClientSampleId :

PB160937ZHE#04

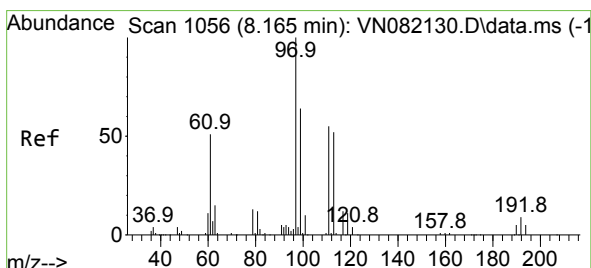
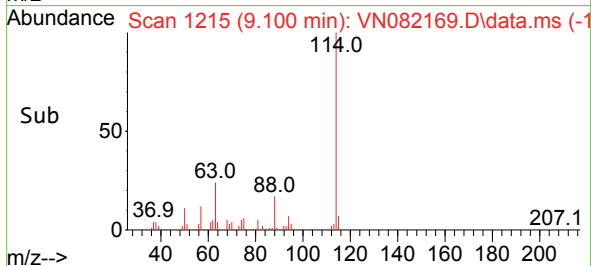
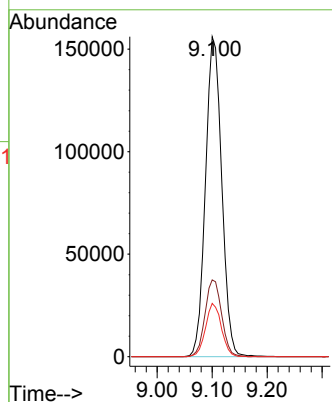
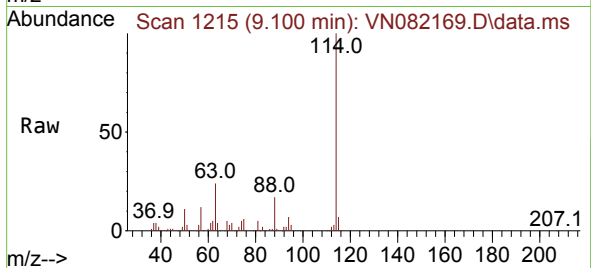
Tgt Ion:114 Resp: 320261

Ion Ratio Lower Upper

114 100

63 24.0 0.0 41.0

88 16.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.557 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN082169.D

Acq: 16 May 2024 18:06

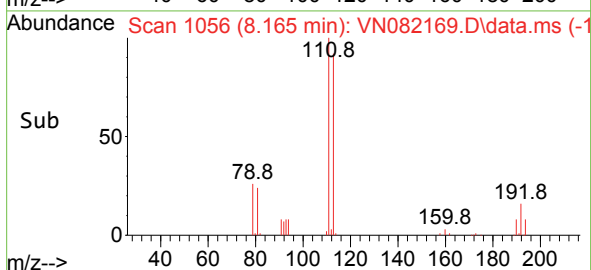
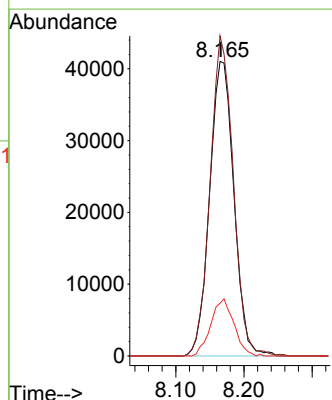
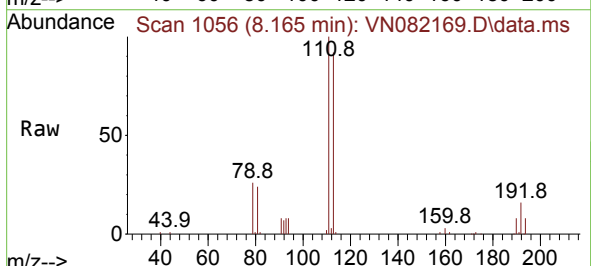
Tgt Ion:113 Resp: 101572

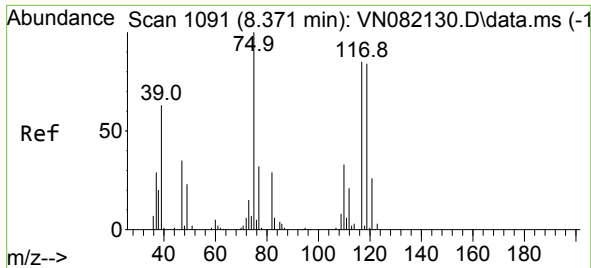
Ion Ratio Lower Upper

113 100

111 103.8 83.4 125.2

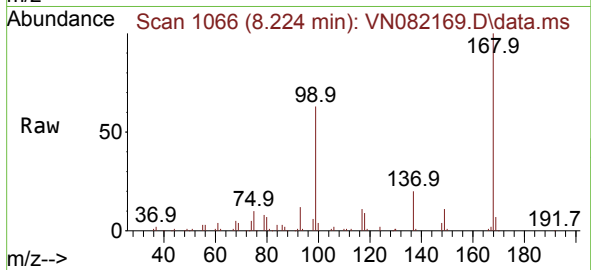
192 18.5 14.0 21.0



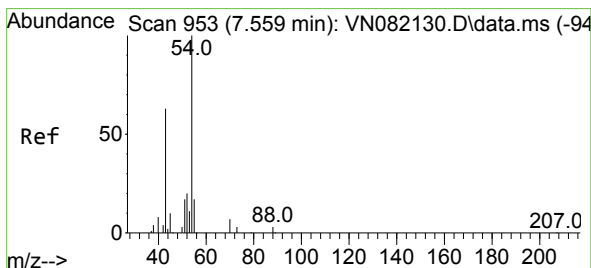
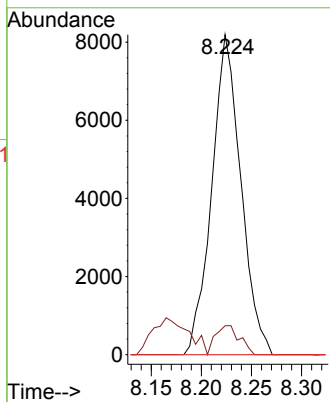
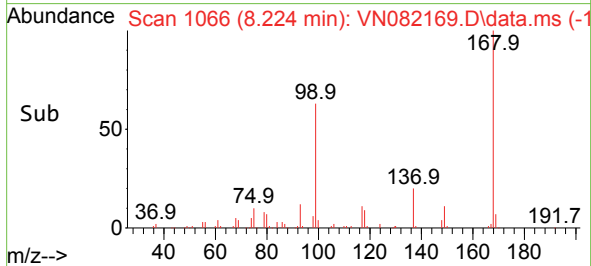


#36
1,1-Dichloropropene
Concen: 5.002 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

Instrument :
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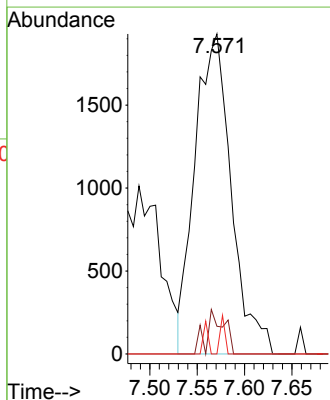
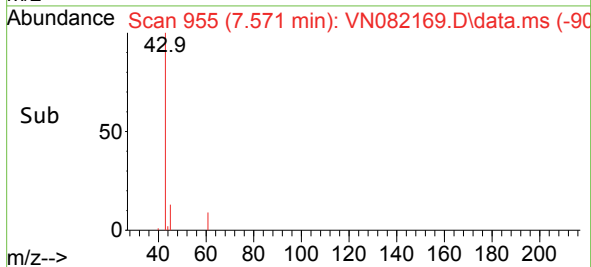
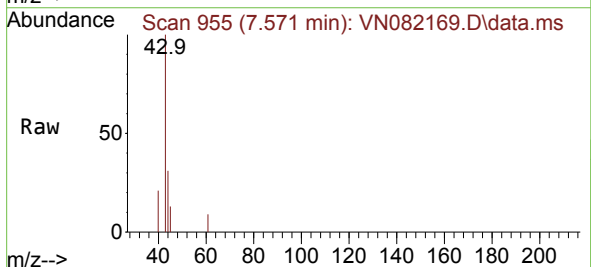


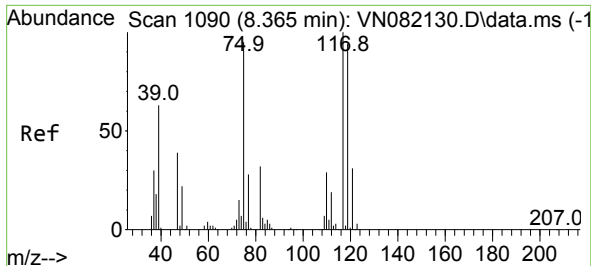
Tgt Ion: 75 Resp: 16528
Ion Ratio Lower Upper
75 100
110 7.5 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.393 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

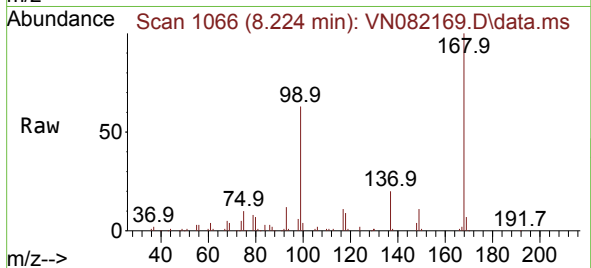
Tgt Ion: 43 Resp: 5152
Ion Ratio Lower Upper
43 100
61 6.7 11.3 16.9#
70 1.6 8.7 13.1#



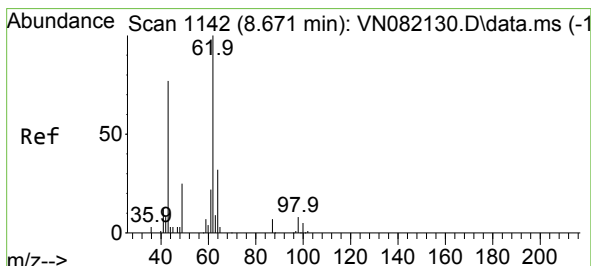
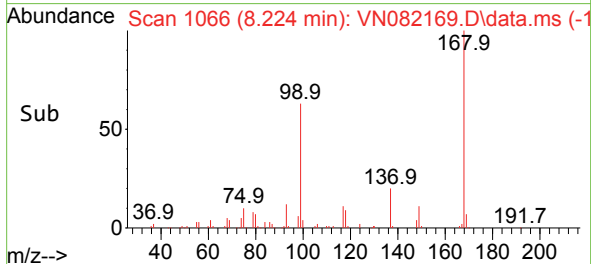
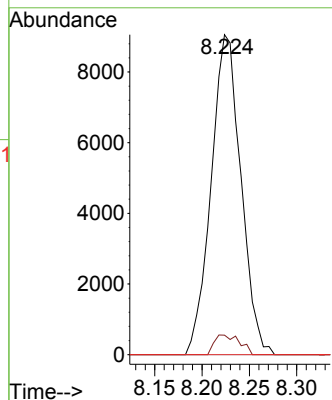


#38
Carbon Tetrachloride
Concen: 5.914 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.141 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

Instrument :
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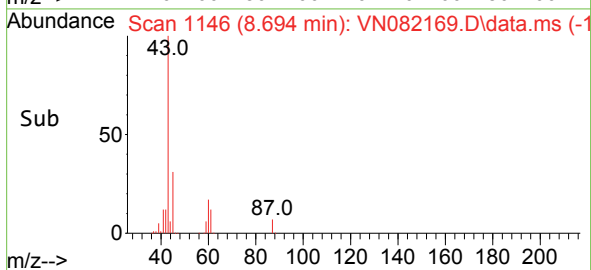
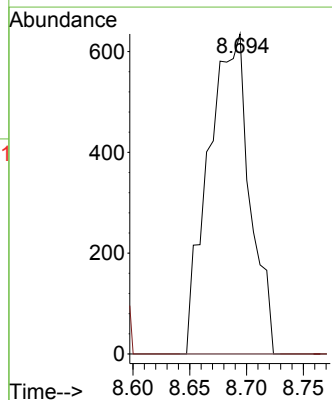
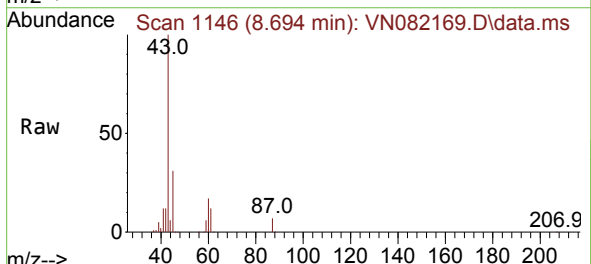


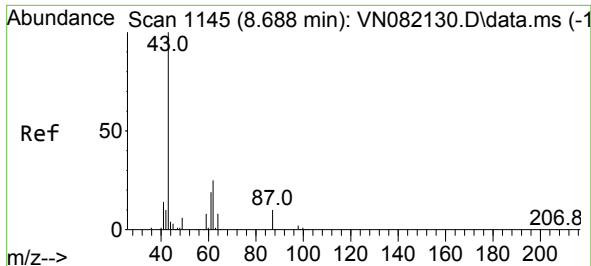
Tgt Ion:117 Resp: 19809
Ion Ratio Lower Upper
117 100
119 6.1 76.5 114.7#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.425 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.023 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

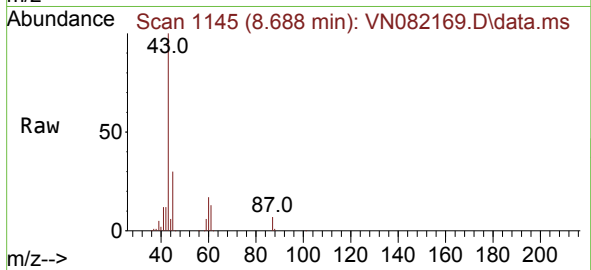
Tgt Ion: 62 Resp: 1612
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6



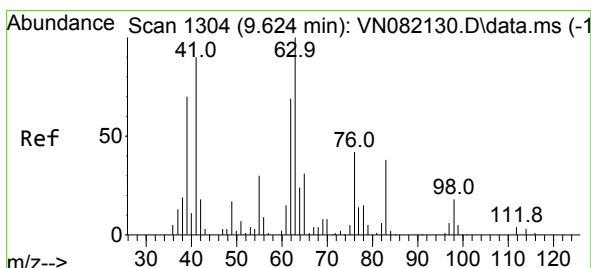
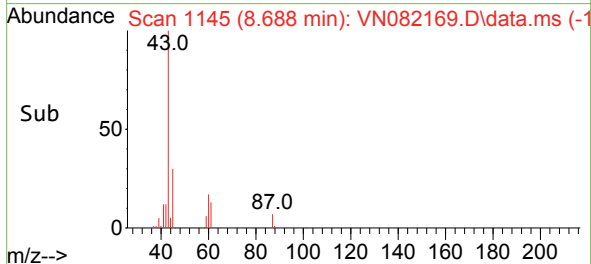
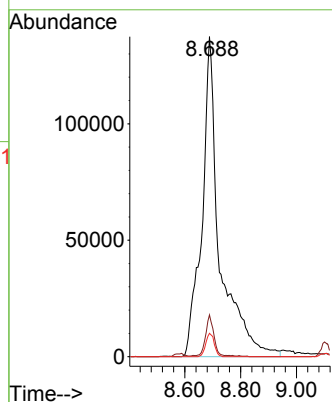


#43
Isopropyl Acetate
Concen: 92.566 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#04

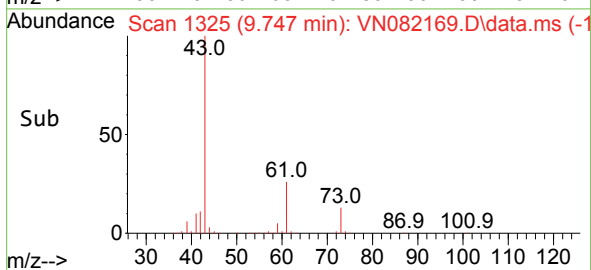
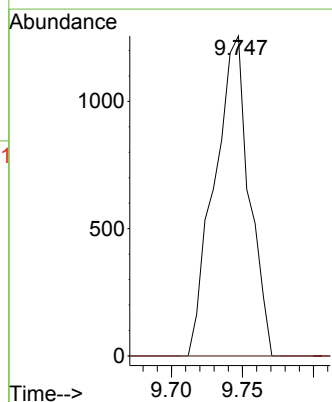
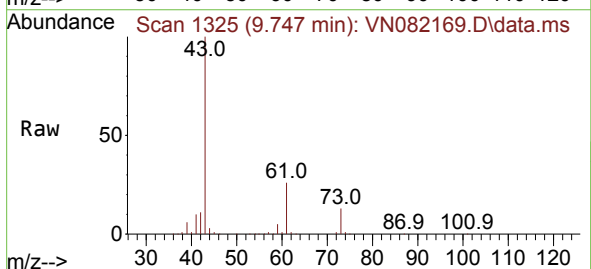


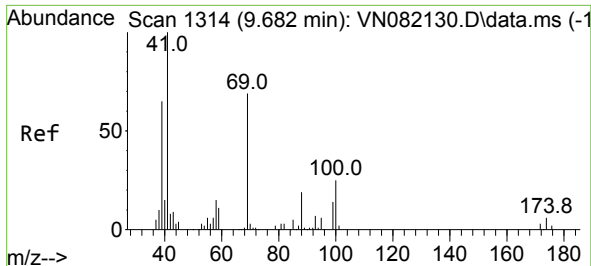
Tgt Ion: 43 Resp: 606512
Ion Ratio Lower Upper
43 100
61 5.9 22.8 34.2#
87 3.5 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.841 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

Tgt Ion: 63 Resp: 2137
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

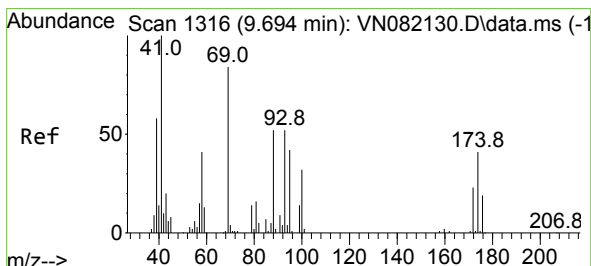
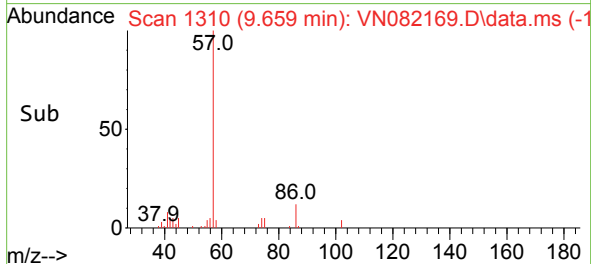
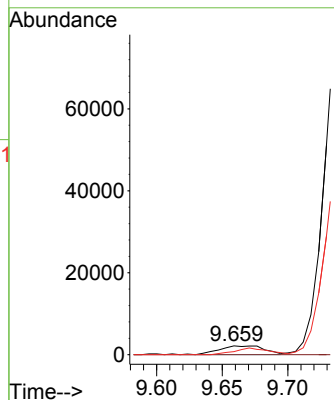
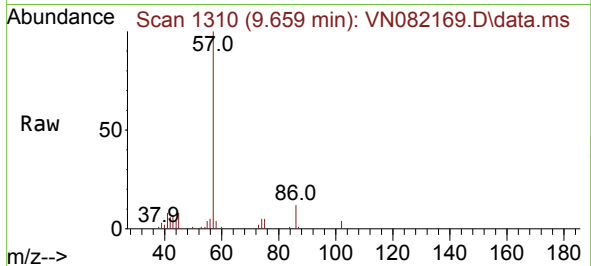




#48
Methyl methacrylate
Concen: 1.673 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.024 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

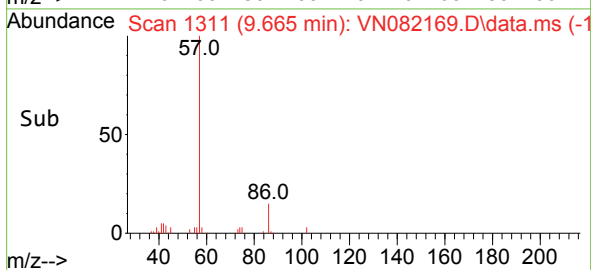
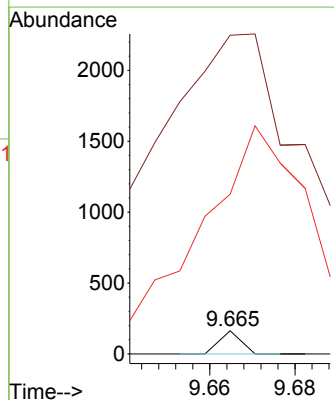
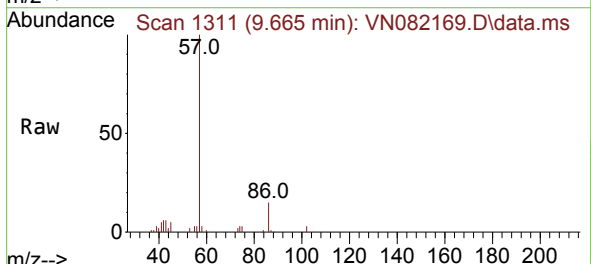
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#04

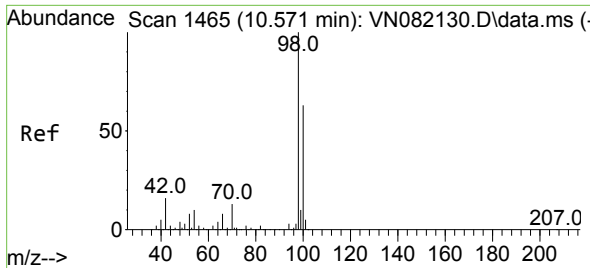
Tgt Ion: 41 Resp: 5224
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 0.0 50.9 76.3#



#49
1,4-Dioxane
Concen: 1.326 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.029 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 5362.1 50.6 76.0#

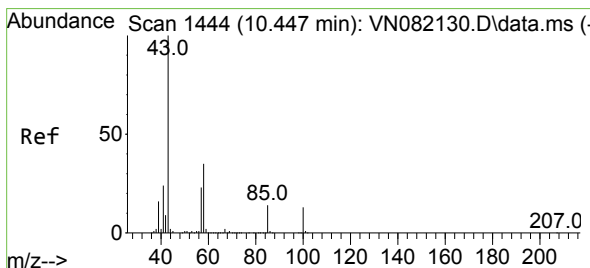
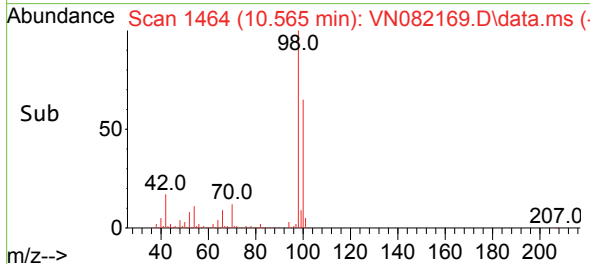
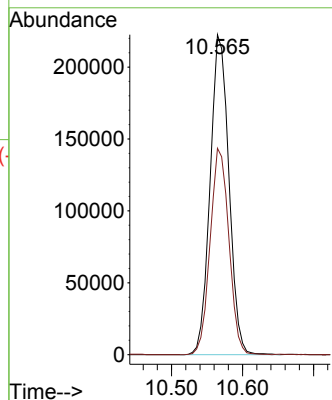
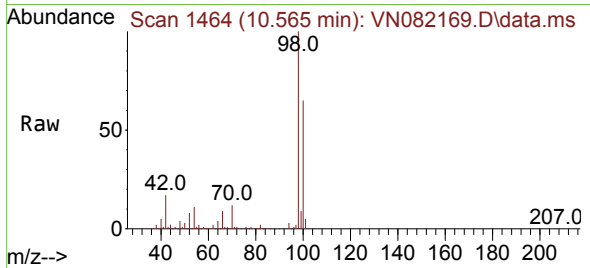




#50
Toluene-d8
Concen: 53.991 ug/l
RT: 10.565 min Scan# 1465
Delta R.T. -0.006 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

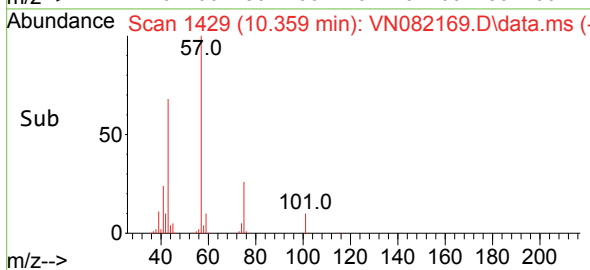
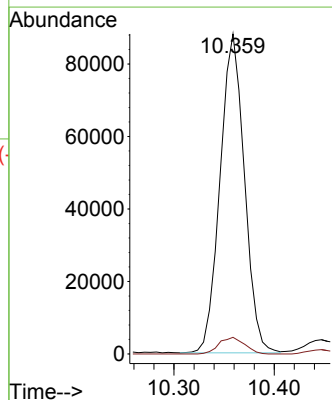
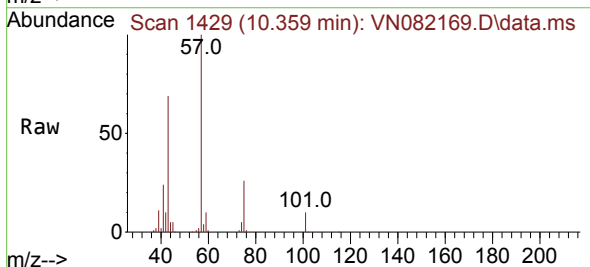
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#04

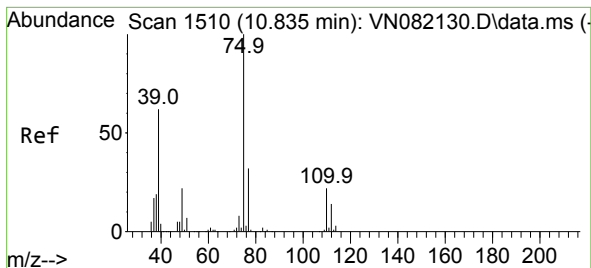
Tgt Ion: 98 Resp: 407808
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 39.914 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

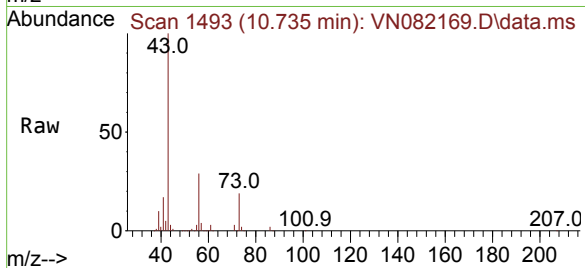
Tgt Ion: 43 Resp: 148590
Ion Ratio Lower Upper
43 100
58 5.5 33.2 49.8#



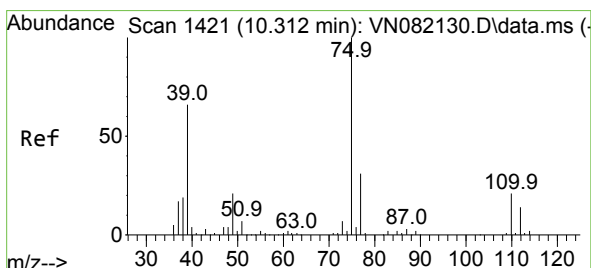
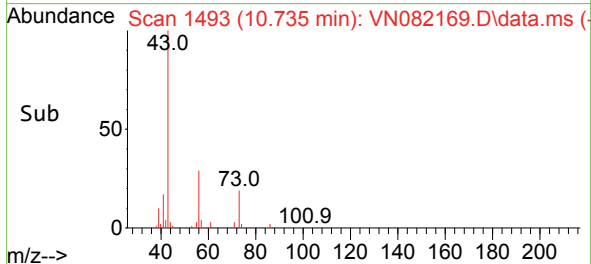
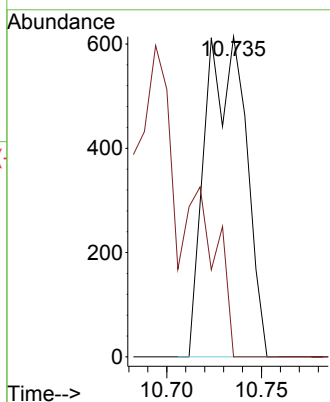


#53
t-1,3-Dichloropropene
Concen: 0.251 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#04

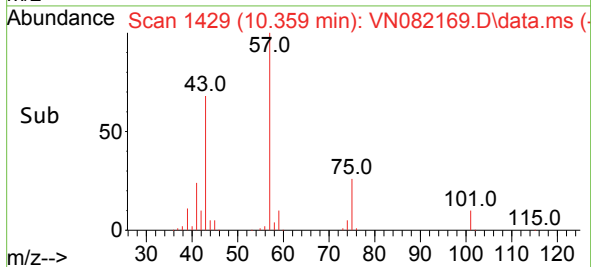
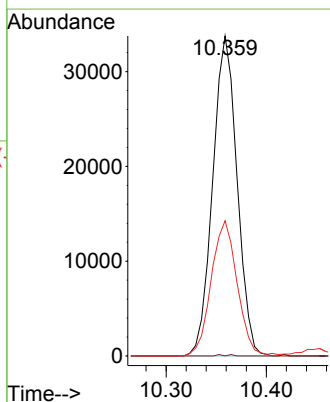
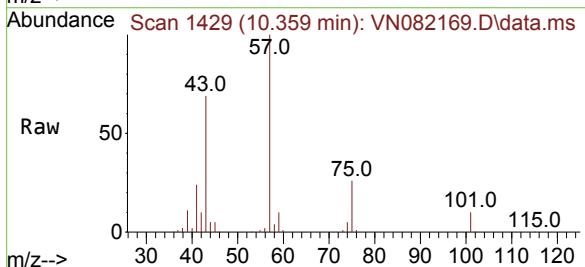


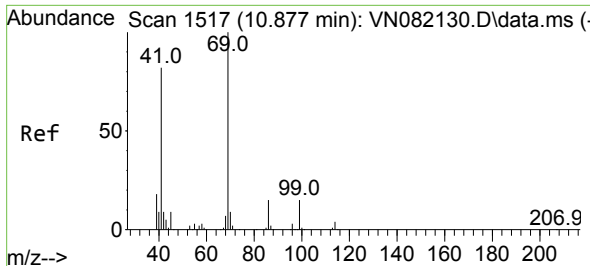
Tgt Ion: 75 Resp: 916
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 14.756 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

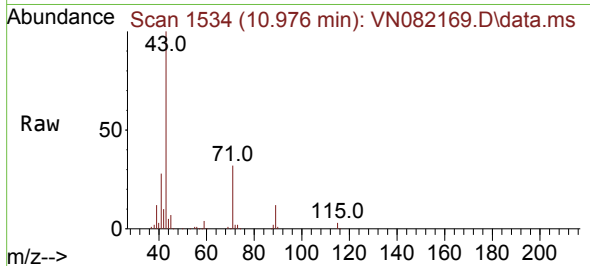
Tgt Ion: 75 Resp: 56917
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 42.2 34.8 52.2



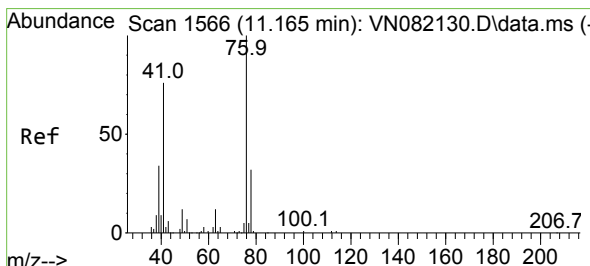
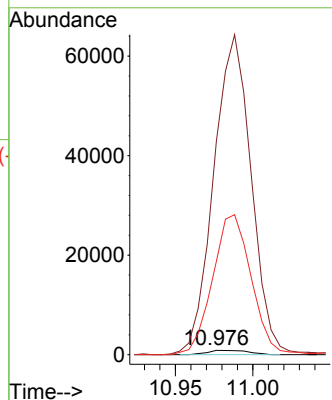
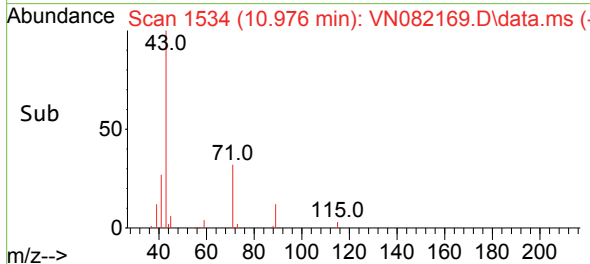


#56
Ethyl methacrylate
Concen: 0.440 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.100 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#04

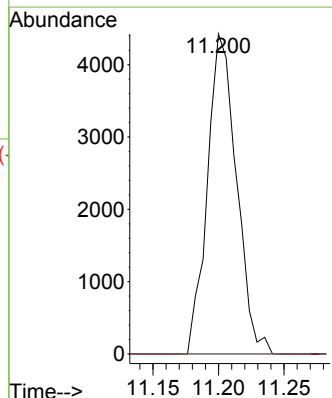
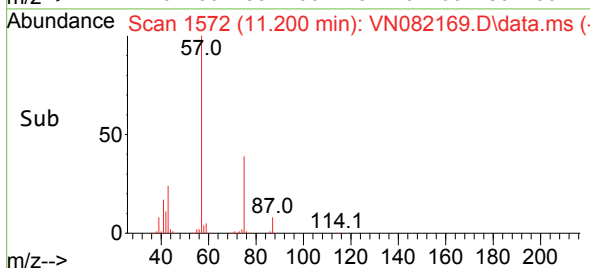
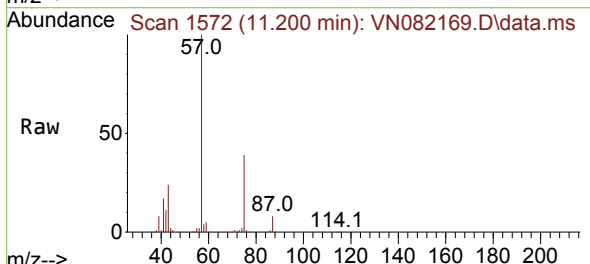


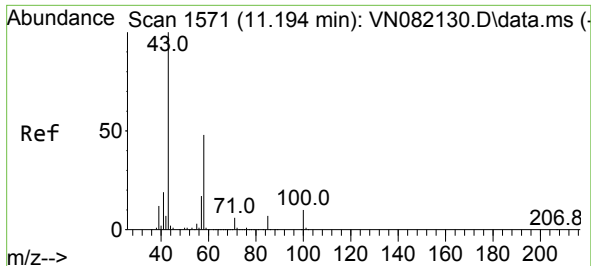
Tgt Ion: 69 Resp: 1607
Ion Ratio Lower Upper
69 100
41 6752.0 46.6 70.0#
39 3031.4 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.701 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

Tgt Ion: 76 Resp: 6834
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

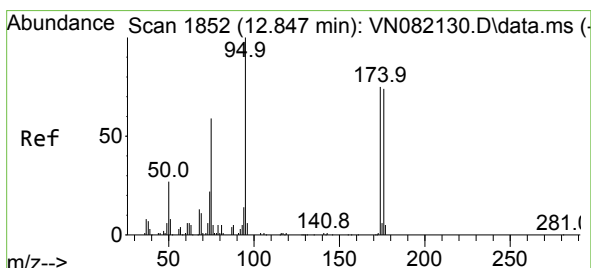
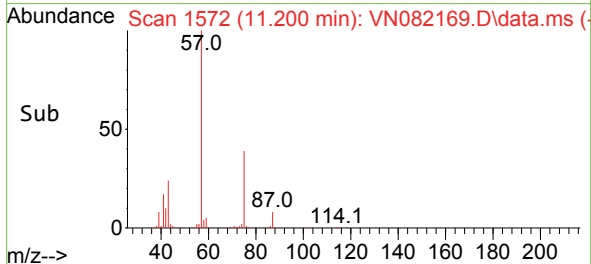
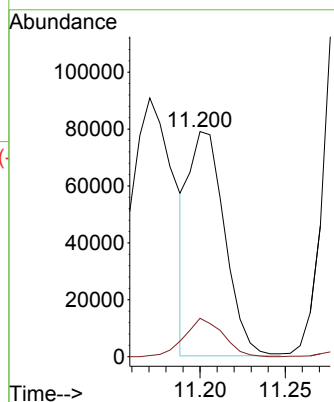
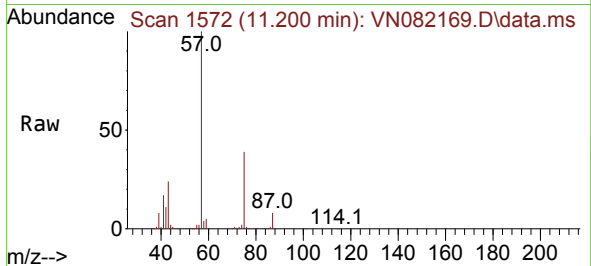




#59
2-Hexanone
Concen: 42.425 ug/l
RT: 11.200 min Scan# 115644
Delta R.T. 0.006 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

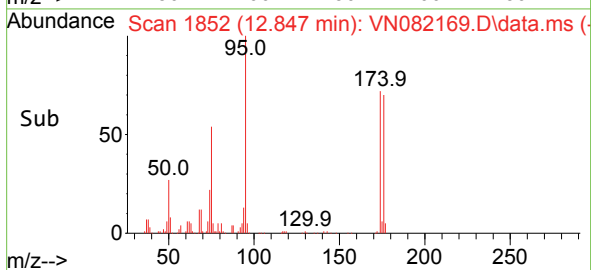
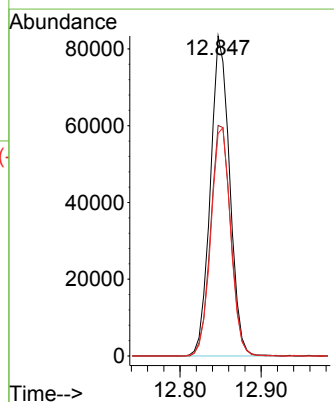
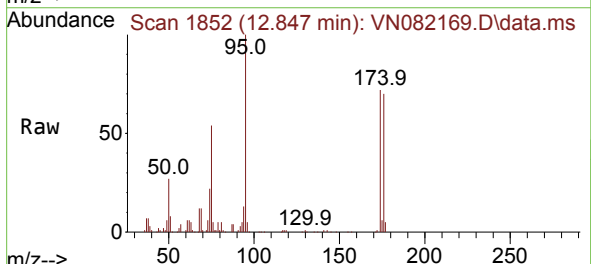
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#04

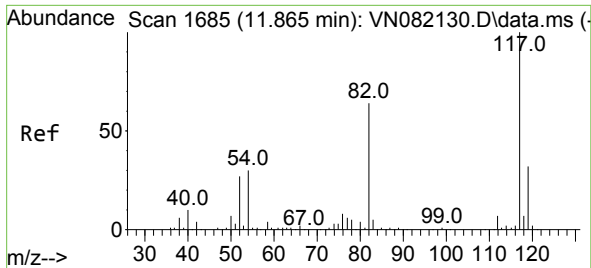
Tgt Ion: 43 Resp: 115644
Ion Ratio Lower Upper
43 100
58 18.5 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 50.934 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

Tgt Ion: 95 Resp: 137315
Ion Ratio Lower Upper
95 100
174 75.0 0.0 160.6
176 72.9 0.0 152.8

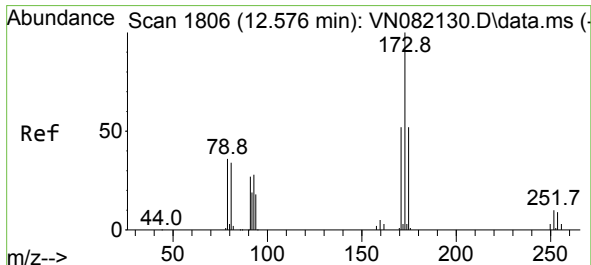
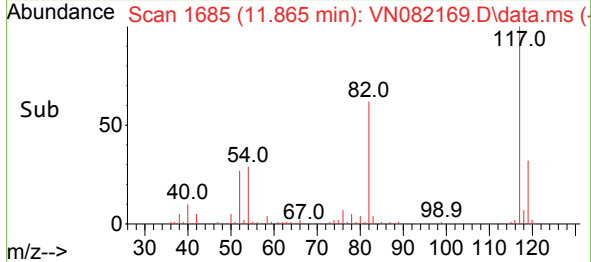
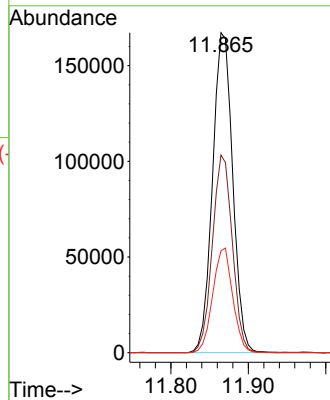
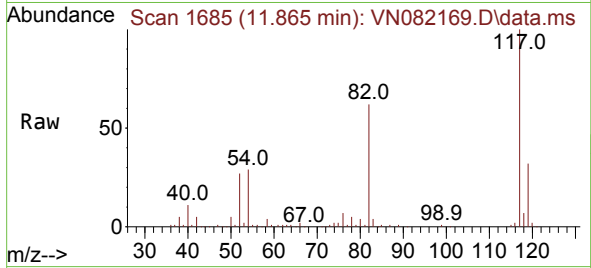




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

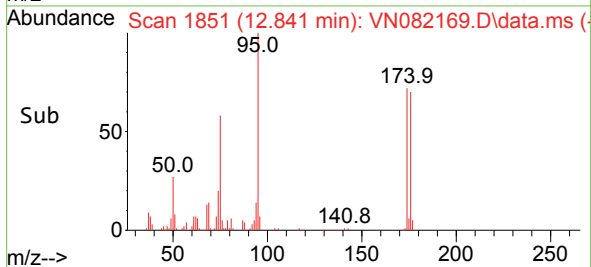
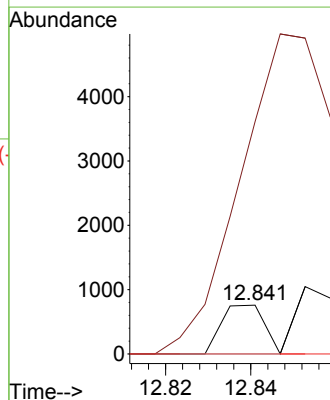
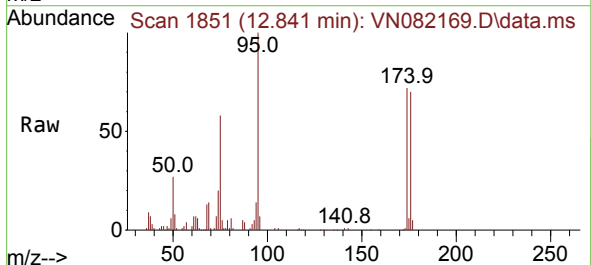
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#04

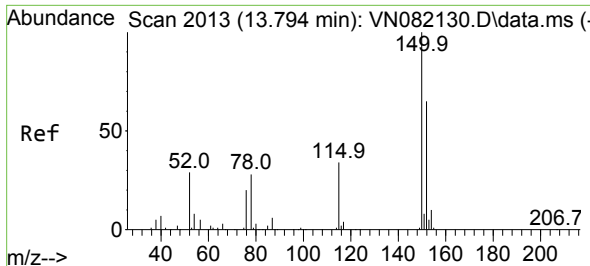
Tgt Ion:117 Resp: 302471
Ion Ratio Lower Upper
117 100
82 61.8 44.6 66.8
119 31.8 25.9 38.9



#71
Bromoform
Concen: 0.337 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

Tgt Ion:173 Resp: 532
Ion Ratio Lower Upper
173 100
175 1105.3 24.6 74.0#
254 0.0 0.0 0.0

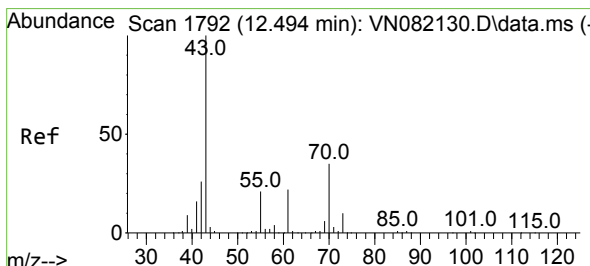
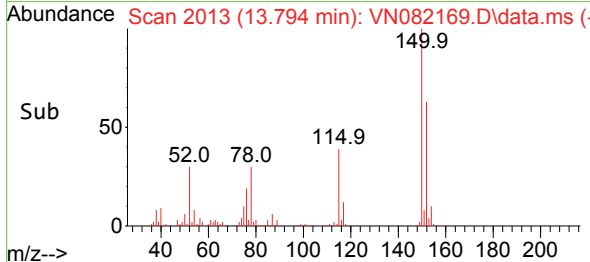
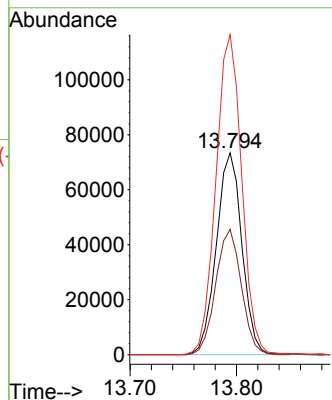
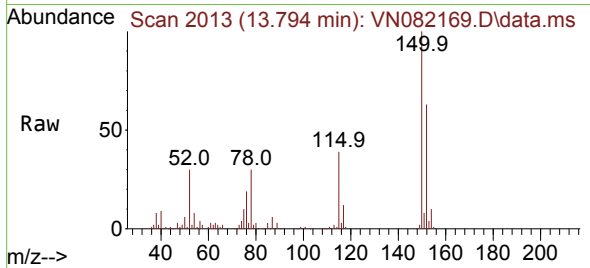




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

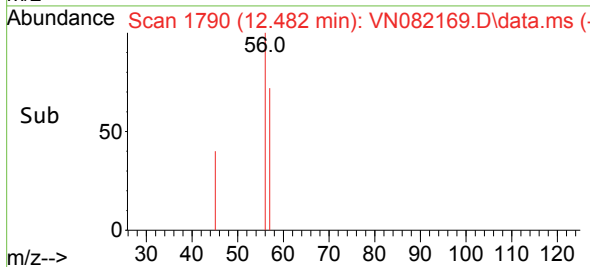
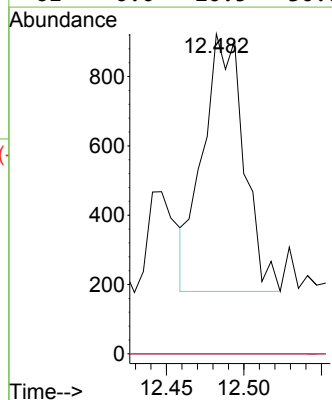
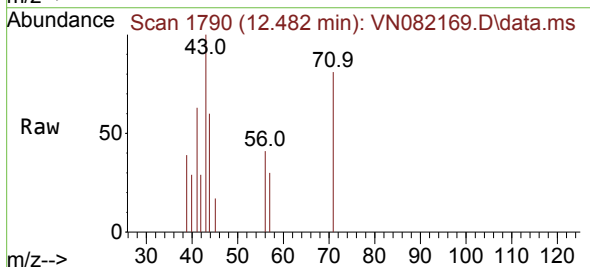
Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#04

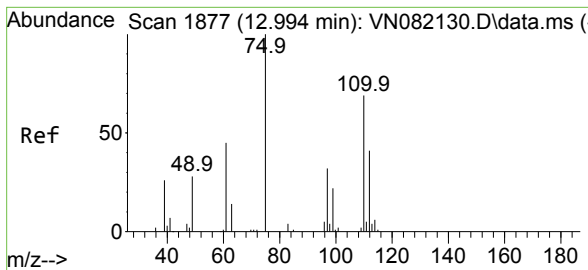
Tgt Ion:152 Resp: 122196
Ion Ratio Lower Upper
152 100
115 62.3 30.4 91.3
150 160.6 0.0 353.2



#74
N-ethyl acetate
Concen: 0.255 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

Tgt Ion: 43 Resp: 1362
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.3 31.9#
61 0.0 20.5 30.7#

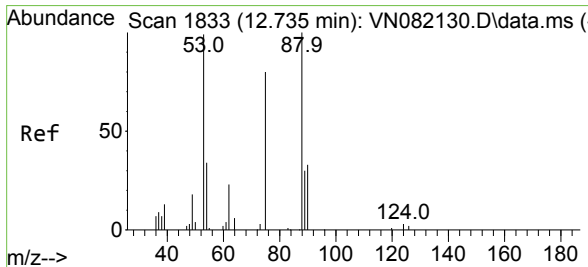
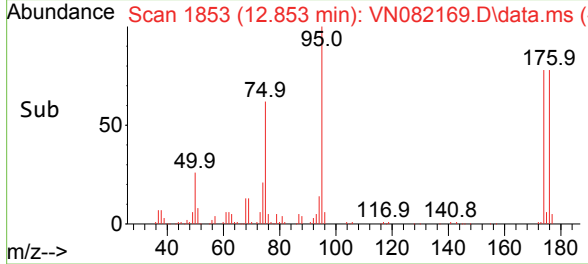
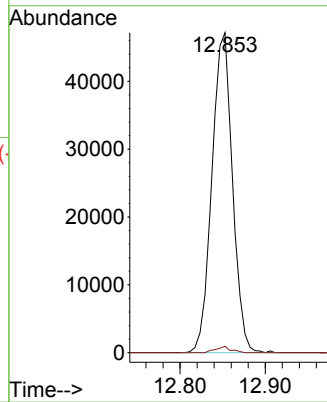
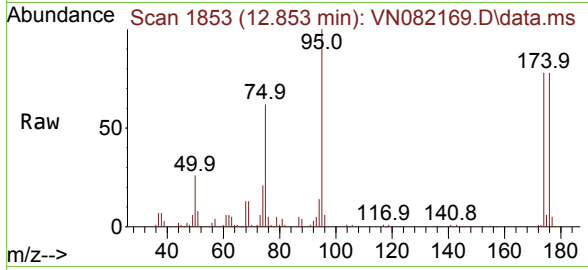




#76
1,2,3-Trichloropropane
Concen: 30.755 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

Instrument :
MSVOA_N
ClientSampleId :
PB160937ZHE#04

Tgt Ion: 75 Resp: 79100
Ion Ratio Lower Upper
75 100
77 1.5 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.935 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082169.D
Acq: 16 May 2024 18:06

Tgt Ion: 75 Resp: 79100
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

