

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010423\
 Data File : VN076081.D
 Acq On : 04 Jan 2023 15:05
 Operator : JC\MD
 Sample : PB150013ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB150013ZHE#02

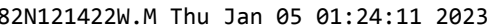
Quant Time: Jan 05 01:24:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

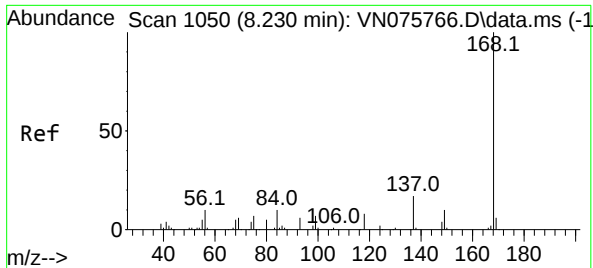
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	365771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	596776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	525503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	216731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	197651	49.670	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.340%		
35) Dibromofluoromethane	8.177	113	176772	47.831	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.660%		
50) Toluene-d8	10.571	98	693153	50.163	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.320%		
62) 4-Bromofluorobenzene	12.853	95	215454	47.077	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.160%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.536	59	728	1.293	ug/l #	72
16) Acetone	4.453	43	42384	30.898	ug/l	98
18) Methyl Acetate	5.047	43	2296	0.566	ug/l #	84
20) Methylene Chloride	5.294	84	10783	2.328	ug/l #	91
25) 2-Butanone	7.500	43	8815	4.590	ug/l	88
29) Tetrahydrofuran	7.865	42	397	0.330	ug/l #	78
31) Cyclohexane	8.224	56	7557	1.326	ug/l #	43
36) 1,1-Dichloropropene	8.230	75	26856	5.470	ug/l #	48
37) Ethyl Acetate	7.571	43	29008	7.356	ug/l	96
38) Carbon Tetrachloride	8.230	117	36523	6.647	ug/l #	16
41) Methacrylonitrile	7.865	41	506	0.247	ug/l #	18
42) 1,2-Dichloroethane	8.688	62	1490	0.296	ug/l #	72
43) Isopropyl Acetate	8.700	43	232329	35.715	ug/l #	76
48) Methyl methacrylate	9.747	41	126873	43.304	ug/l #	34
49) 1,4-Dioxane	9.753	88	147	2.041	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	15418	3.919	ug/l #	74
54) cis-1,3-Dichloropropene	10.365	75	60490	10.498	ug/l #	64
56) Ethyl methacrylate	10.988	69	1476	0.287	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7823	1.232	ug/l #	42
59) 2-Hexanone	11.206	43	76252	26.579	ug/l #	54
71) Bromoform	12.853	173	1916	0.659	ug/l #	1
74) N-amyl acetate	12.482	43	2080	0.453	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	111856	25.604	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	111856	92.160	ug/l #	12
95) Naphthalene	15.647	128	1567	2.305	ug/l #	69

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

Quant Time: Jan 05 01:24:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

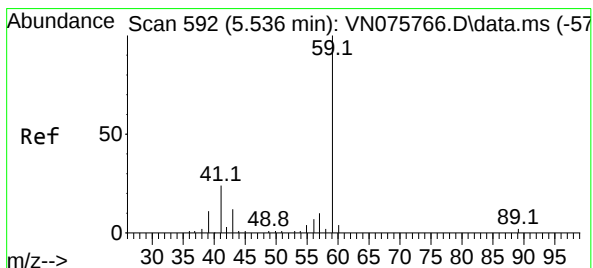
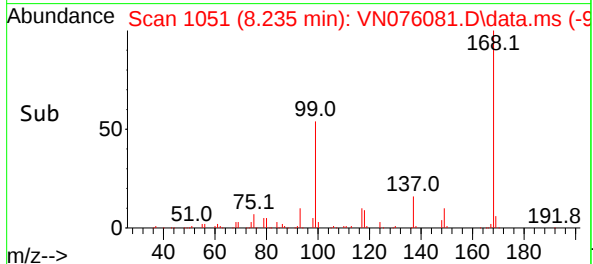
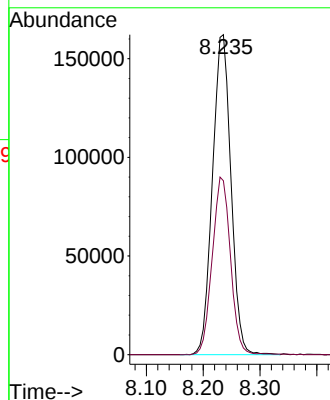
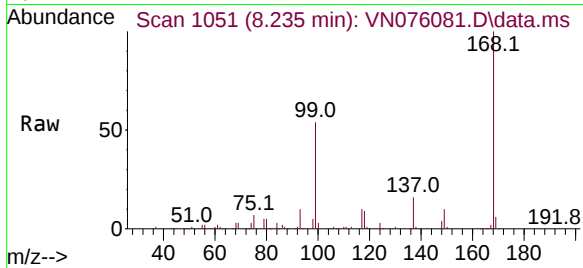




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. 0.005 min
Lab File: VN076081.D
Acq: 04 Jan 2023 15:05

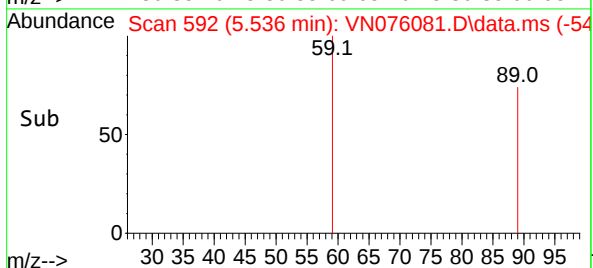
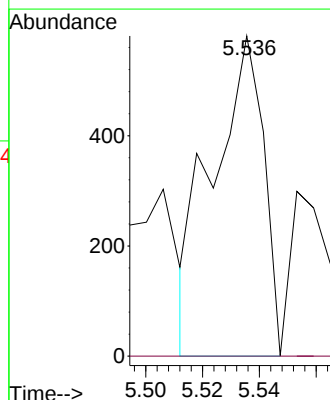
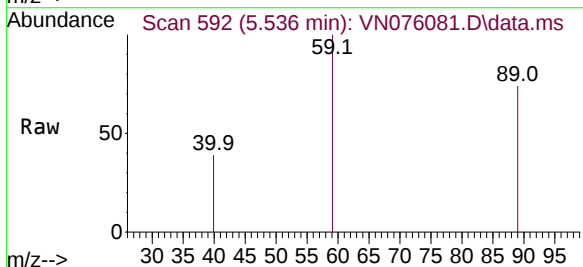
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#02

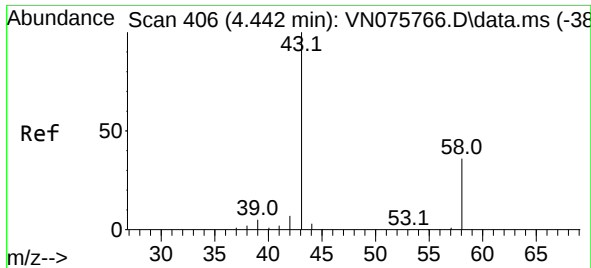
Tgt Ion:168 Resp: 365771
Ion Ratio Lower Upper
168 100
99 54.3 44.2 66.4



#11
Tert butyl alcohol
Concen: 1.293 ug/l
RT: 5.536 min Scan# 592
Delta R.T. -0.000 min
Lab File: VN076081.D
Acq: 04 Jan 2023 15:05

Tgt Ion: 59 Resp: 728
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 30.898 ug/l

RT: 4.453 min Scan# 406

Delta R.T. 0.012 min

Lab File: VN076081.D

Acq: 04 Jan 2023 15:05

Instrument :

MSVOA_N

ClientSampleId :

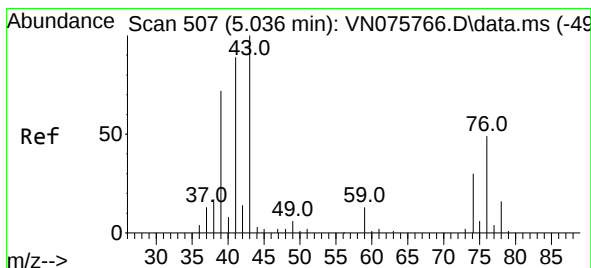
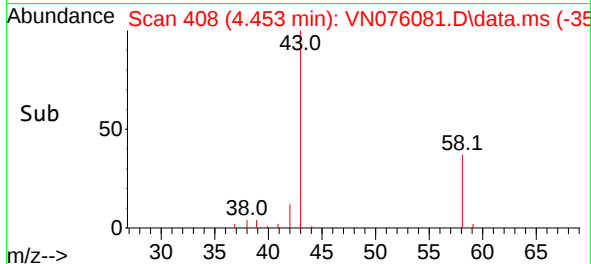
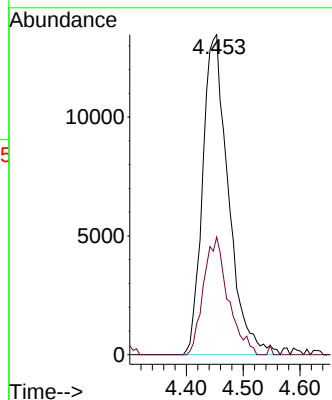
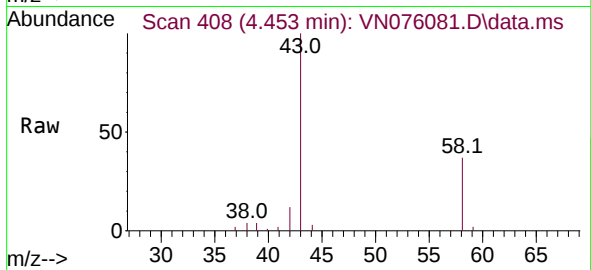
PB150013ZHE#02

Tgt Ion: 43 Resp: 42384

Ion Ratio Lower Upper

43 100

58 36.7 28.6 43.0



#18

Methyl Acetate

Concen: 0.566 ug/l

RT: 5.047 min Scan# 509

Delta R.T. 0.012 min

Lab File: VN076081.D

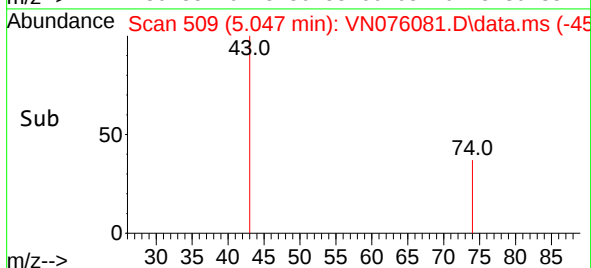
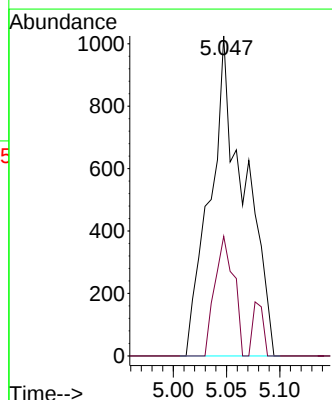
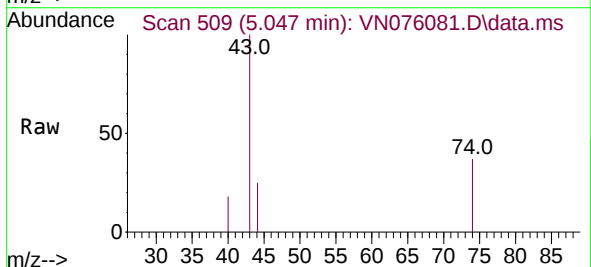
Acq: 04 Jan 2023 15:05

Tgt Ion: 43 Resp: 2296

Ion Ratio Lower Upper

43 100

74 20.6 23.6 35.4#

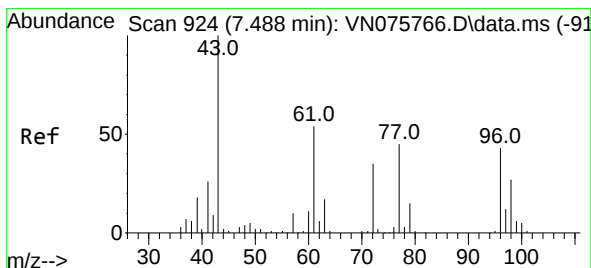
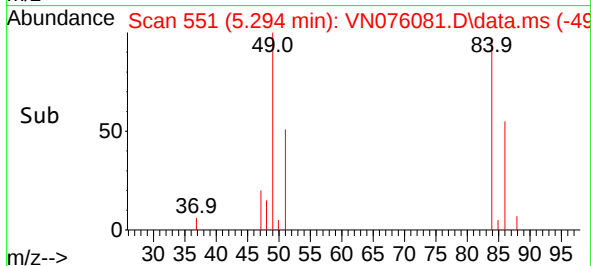
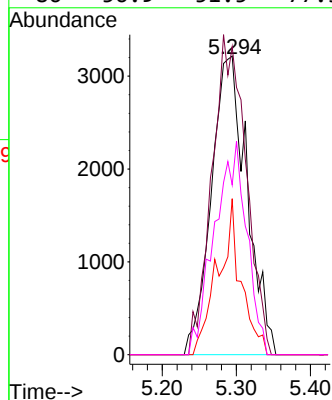
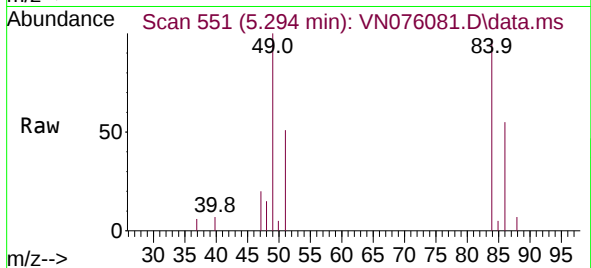




#20
Methylene Chloride
Concen: 2.328 ug/l
RT: 5.294 min Scan# 511
Delta R.T. 0.005 min
Lab File: VN076081.D
Acq: 04 Jan 2023 15:05

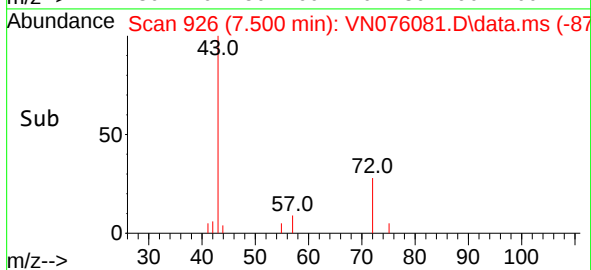
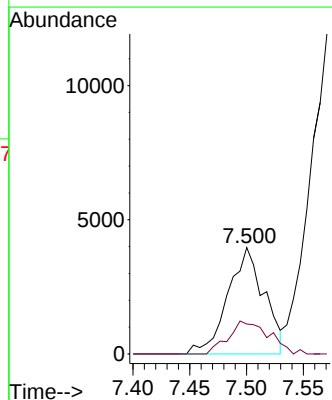
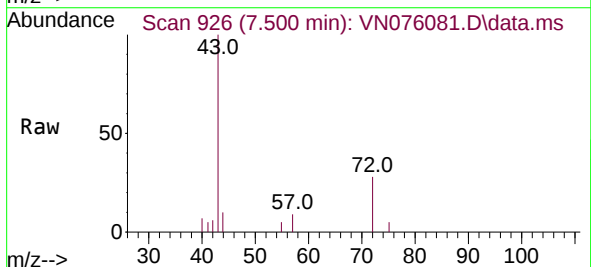
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#02

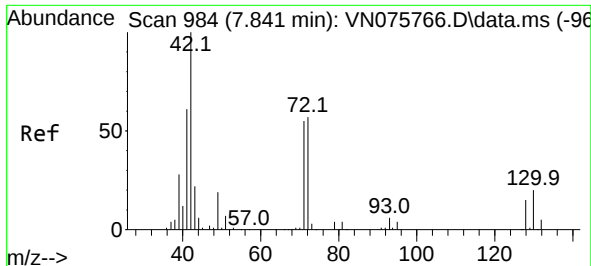
Tgt Ion: 84	Resp: 10783
Ion Ratio	Lower Upper
84 100	
49 103.1	81.8 122.6
51 52.3	26.7 40.1#
86 56.9	51.5 77.3



#25
2-Butanone
Concen: 4.590 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076081.D
Acq: 04 Jan 2023 15:05

Tgt Ion: 43	Resp: 8815		
Ion	Ratio	Lower	Upper
43	100		
72	28.2	28.0	42.0





#29

Tetrahydrofuran

Concen: 0.330 ug/l

RT: 7.865 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN076081.D

Acq: 04 Jan 2023 15:05

Instrument :

MSVOA_N

ClientSampleId :

PB150013ZHE#02

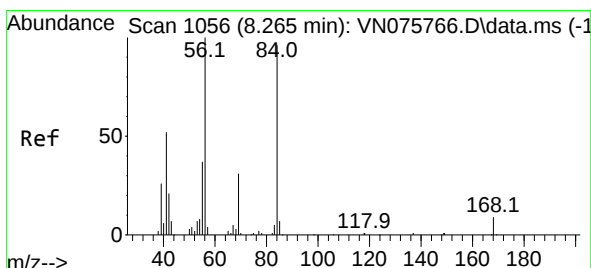
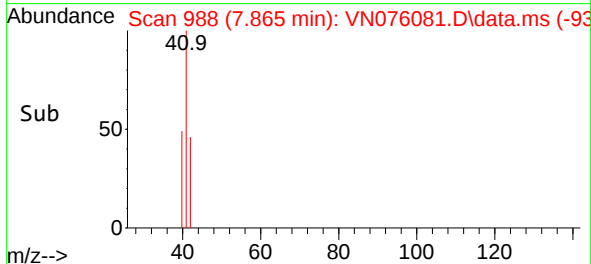
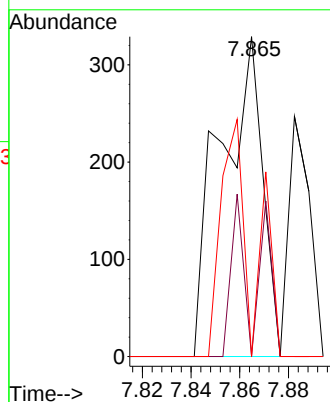
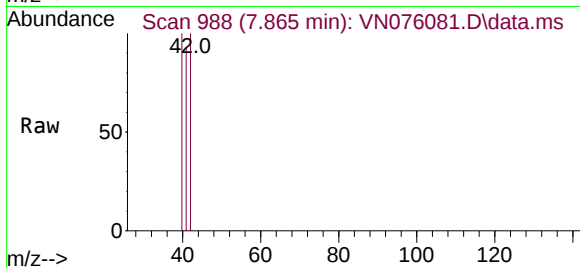
Tgt Ion: 42 Resp: 397

Ion Ratio Lower Upper

42 100

72 29.0 44.5 66.7#

71 55.2 41.0 61.6



#31

Cyclohexane

Concen: 1.326 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.041 min

Lab File: VN076081.D

Acq: 04 Jan 2023 15:05

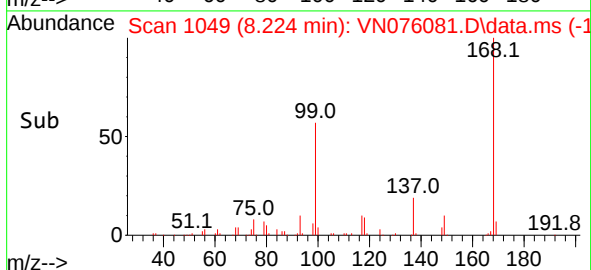
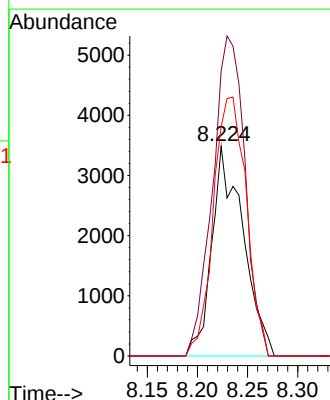
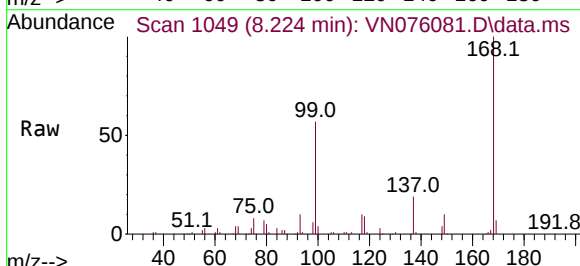
Tgt Ion: 56 Resp: 7557

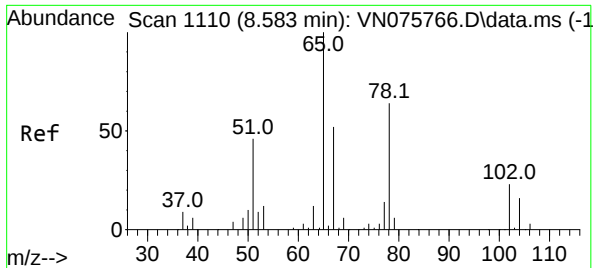
Ion Ratio Lower Upper

56 100

69 136.0 24.7 37.1#

84 109.3 76.5 114.7

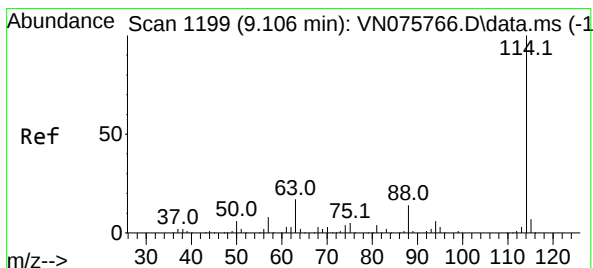
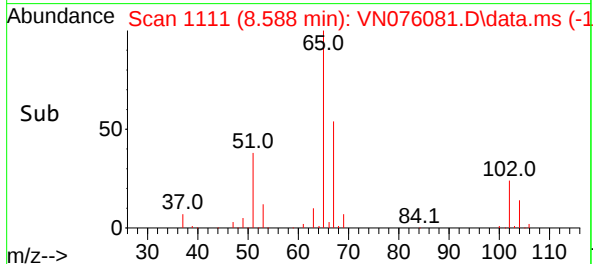
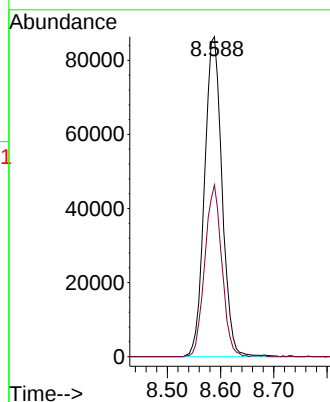
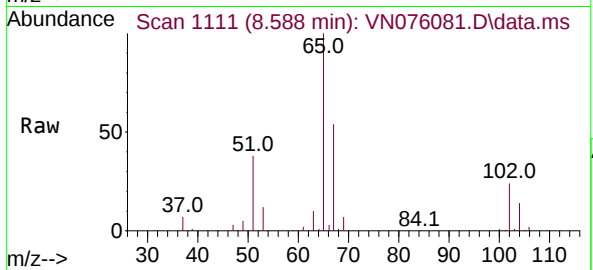




#33
 1,2-Dichloroethane-d4
 Concen: 49.670 ug/l
 RT: 8.588 min Scan# 1110
 Delta R.T. 0.006 min
 Lab File: VN076081.D
 Acq: 04 Jan 2023 15:05

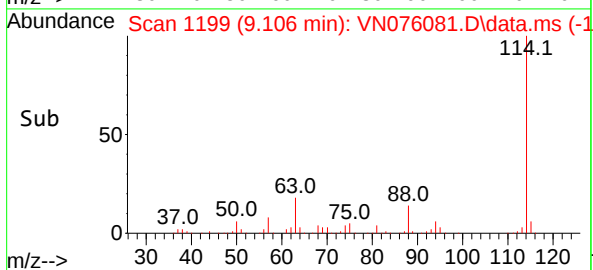
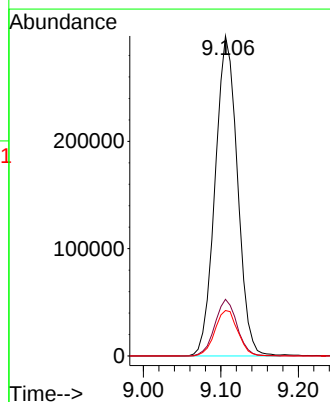
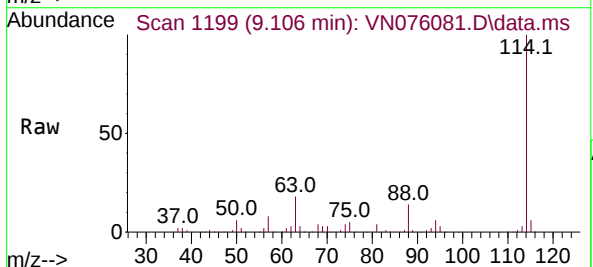
Instrument :
 MSVOA_N
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 PB150013ZHE#02

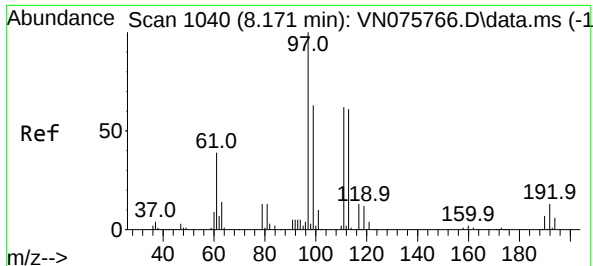
Tgt Ion: 65 Resp: 197651
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. -0.000 min
 Lab File: VN076081.D
 Acq: 04 Jan 2023 15:05

Tgt Ion: 114 Resp: 596776
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 34.4
 88 14.2 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.831 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076081.D

Acq: 04 Jan 2023 15:05

Instrument :

MSVOA_N

ClientSampleId :

PB150013ZHE#02

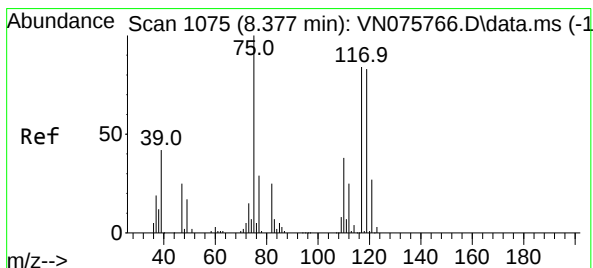
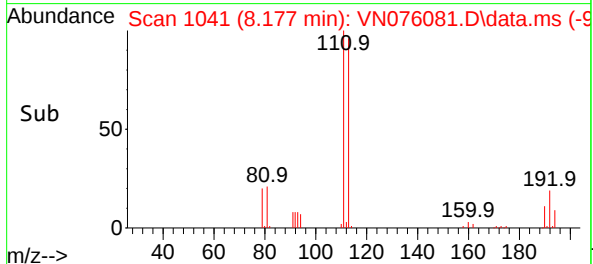
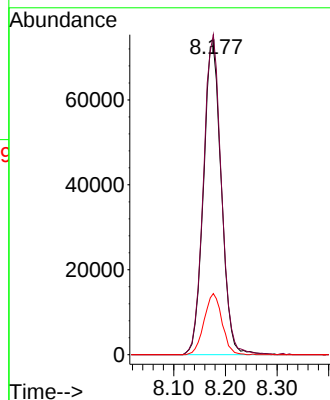
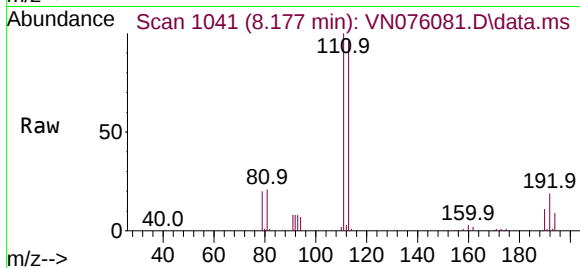
Tgt Ion:113 Resp: 176772

Ion Ratio Lower Upper

113 100

111 102.9 83.4 125.2

192 19.5 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.470 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076081.D

Acq: 04 Jan 2023 15:05

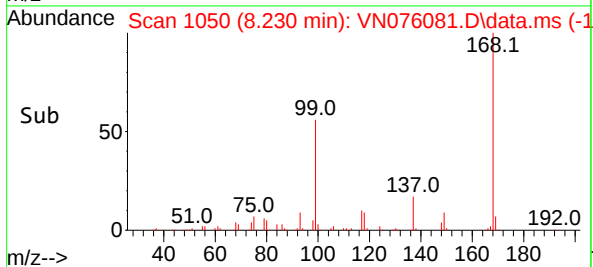
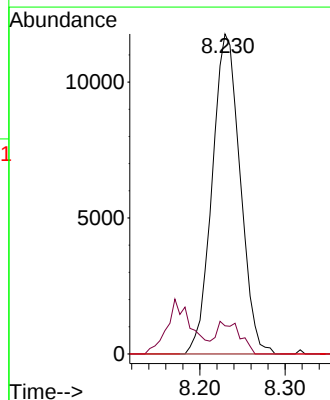
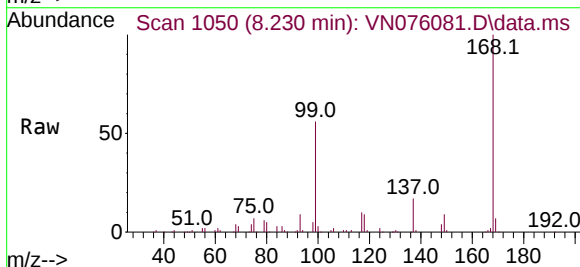
Tgt Ion: 75 Resp: 26856

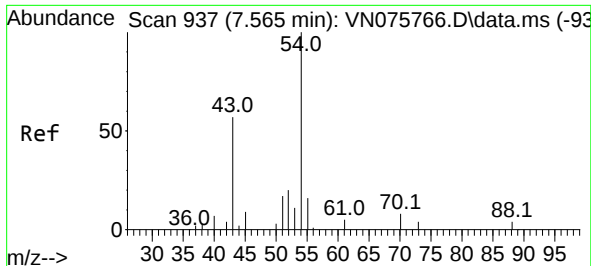
Ion Ratio Lower Upper

75 100

110 8.4 18.8 56.4#

77 0.0 24.1 36.1#





#37

Ethyl Acetate

Concen: 7.356 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN076081.D

Acq: 04 Jan 2023 15:05

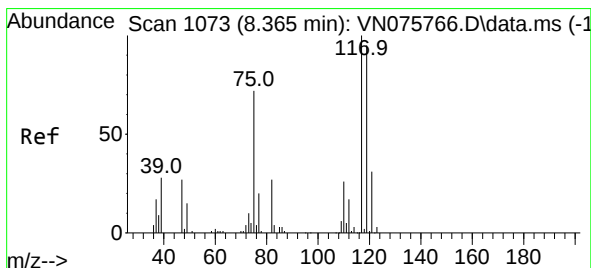
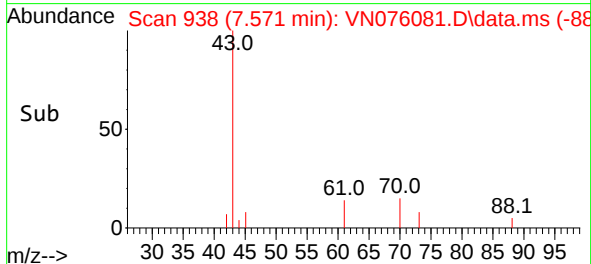
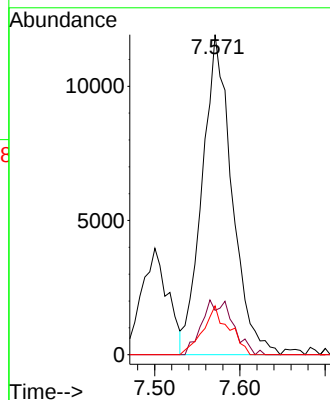
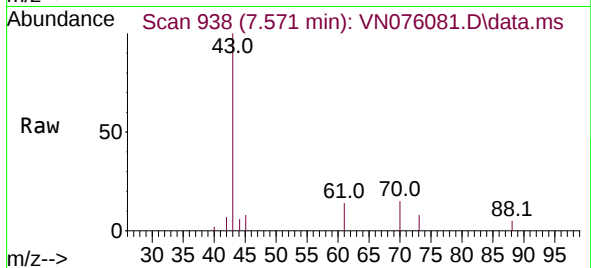
Instrument :

MSVOA_N

ClientSampleId :

PB150013ZHE#02

Tgt Ion: 43	Resp: 29008
Ion Ratio	Lower Upper
43 100	
61 17.9	13.0 19.4
70 13.3	9.4 14.0



#38

Carbon Tetrachloride

Concen: 6.647 ug/l

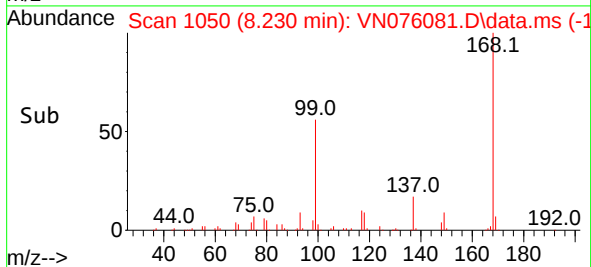
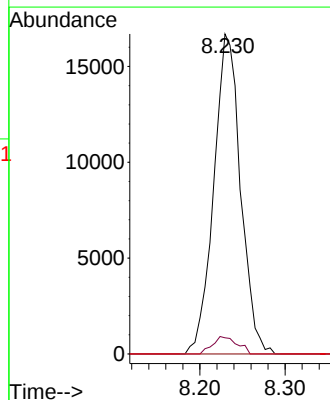
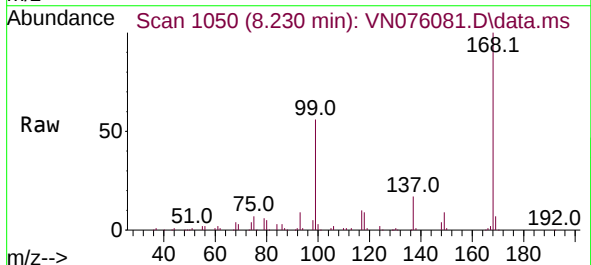
RT: 8.230 min Scan# 1050

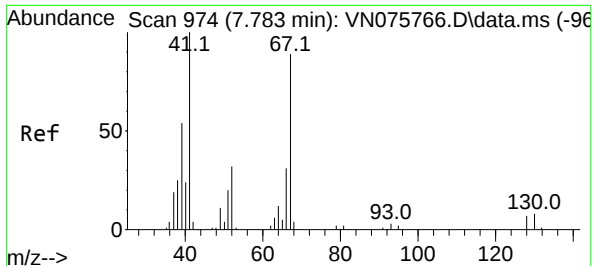
Delta R.T. -0.135 min

Lab File: VN076081.D

Acq: 04 Jan 2023 15:05

Tgt Ion: 117	Resp: 36523
Ion Ratio	Lower Upper
117 100	
119 5.0	76.1 114.1#
121 0.0	24.5 36.7#

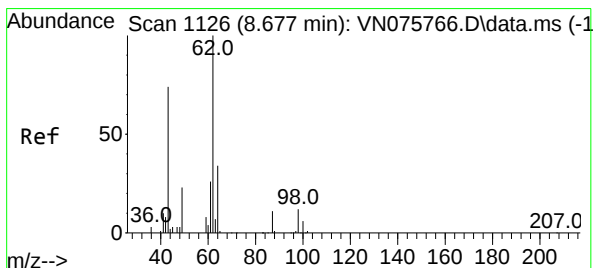
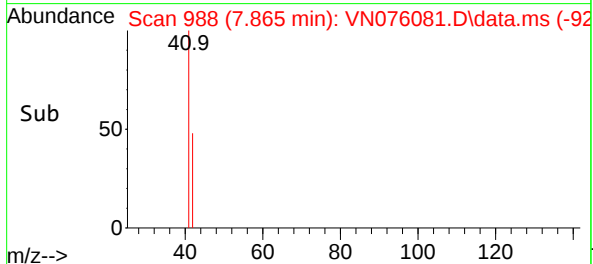
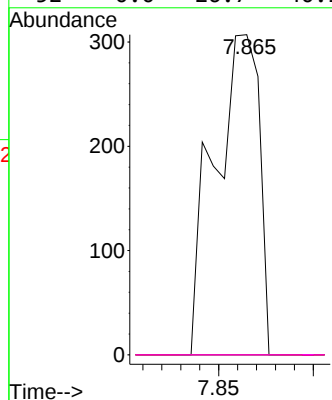
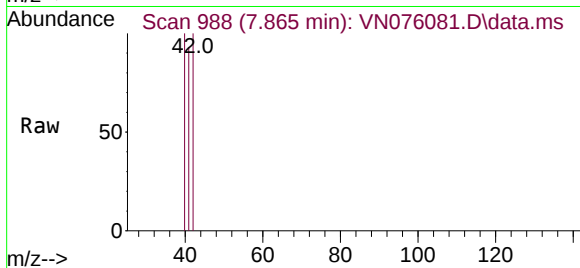




#41
Methacrylonitrile
Concen: 0.247 ug/l
RT: 7.865 min Scan# 91
Delta R.T. 0.082 min
Lab File: VN076081.D
Acq: 04 Jan 2023 15:05

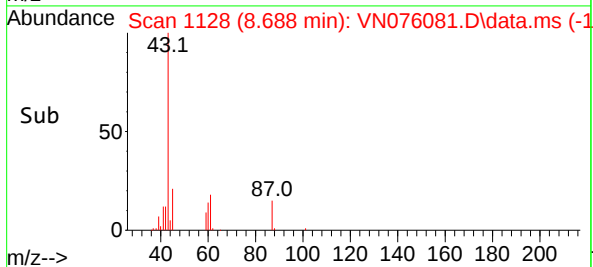
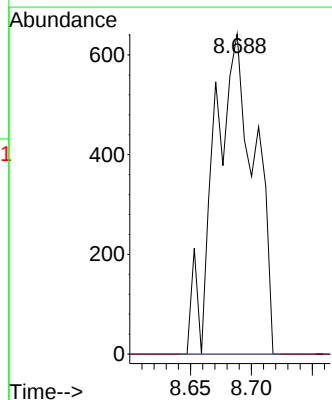
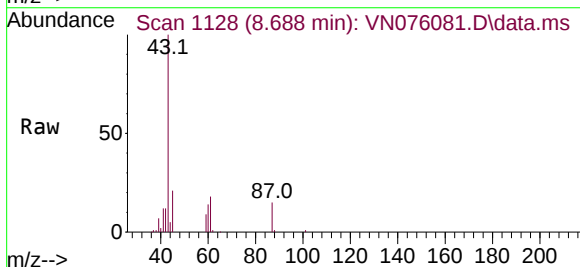
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#02

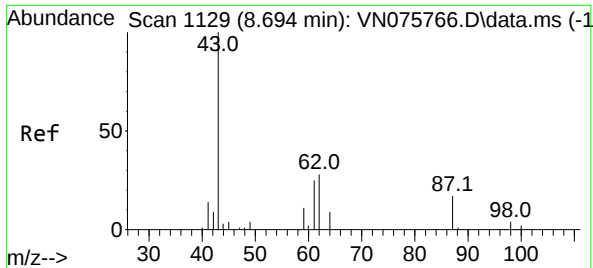
Tgt Ion:	41	Resp:	506
Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.1	64.7#
67	0.0	70.7	106.1#
52	0.0	26.7	40.1#



#42
1,2-Dichloroethane
Concen: 0.296 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VN076081.D
Acq: 04 Jan 2023 15:05

Tgt Ion:	62	Resp:	1490
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.8

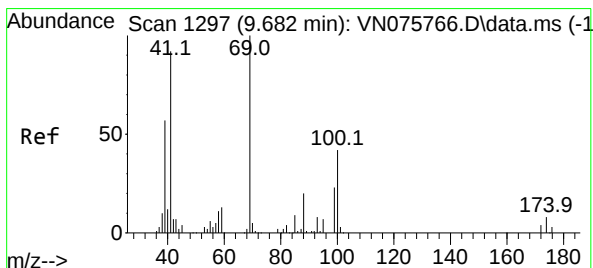
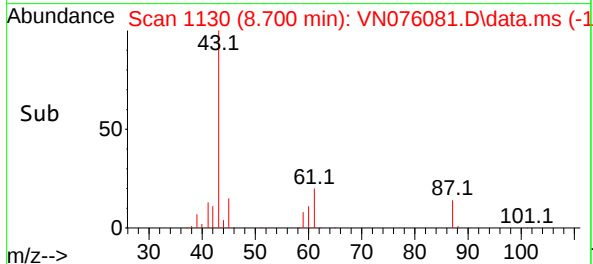
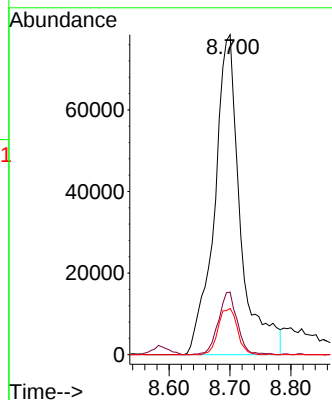
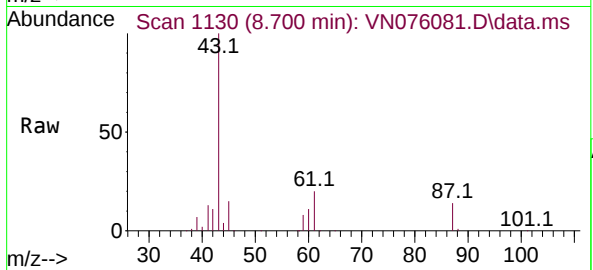




#43
Isopropyl Acetate
Concen: 35.715 ug/l
RT: 8.700 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN076081.D
Acq: 04 Jan 2023 15:05

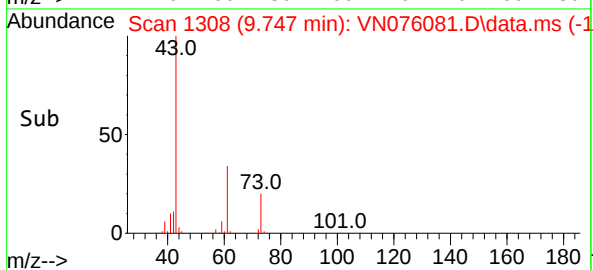
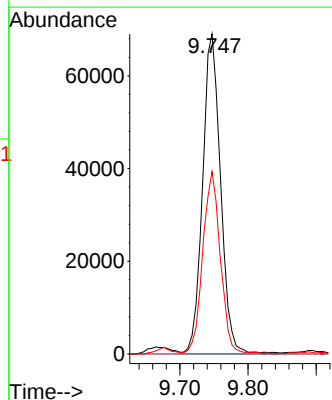
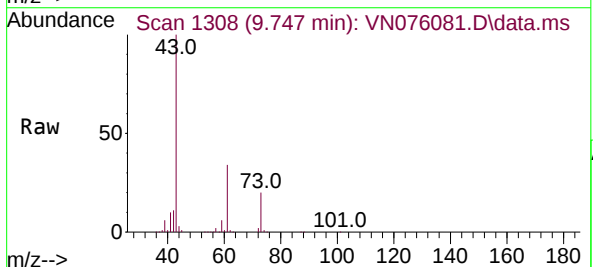
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#02

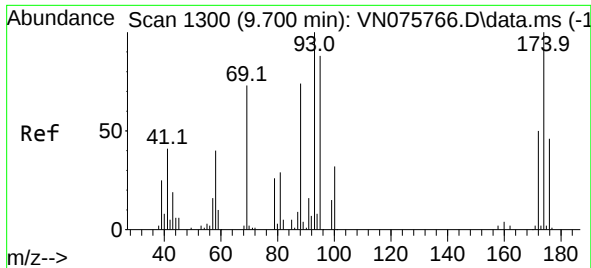
Tgt Ion: 43 Resp: 232329
Ion Ratio Lower Upper
43 100
61 14.3 24.2 36.4#
87 10.6 13.3 19.9#



#48
Methyl methacrylate
Concen: 43.304 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.065 min
Lab File: VN076081.D
Acq: 04 Jan 2023 15:05

Tgt Ion: 41 Resp: 126873
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 55.8 51.6 77.4





#49

1,4-Dioxane

Concen: 2.041 ug/l

RT: 9.753 min Scan# 1309

Delta R.T. 0.053 min

Lab File: VN076081.D

Acq: 04 Jan 2023 15:05

Instrument :

MSVOA_N

ClientSampleId :

PB150013ZHE#02

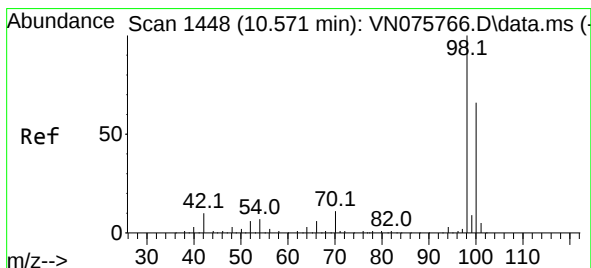
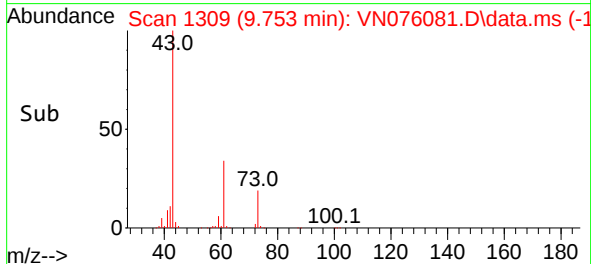
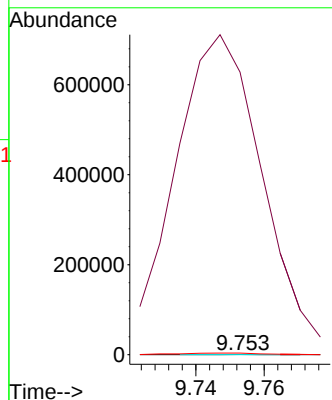
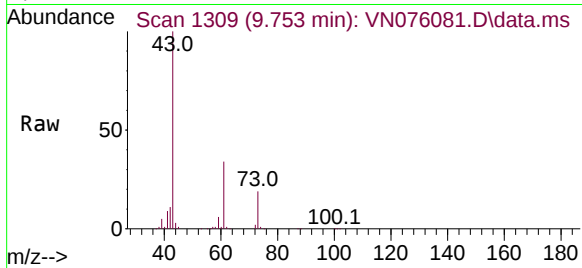
Tgt Ion: 88 Resp: 147

Ion Ratio Lower Upper

88 100

43 884005.4 17.1 25.7#

58 4296.6 47.8 71.8#



#50

Toluene-d8

Concen: 50.163 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076081.D

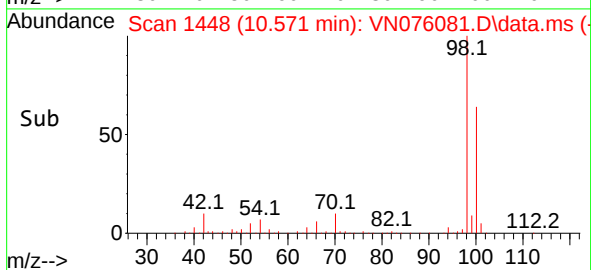
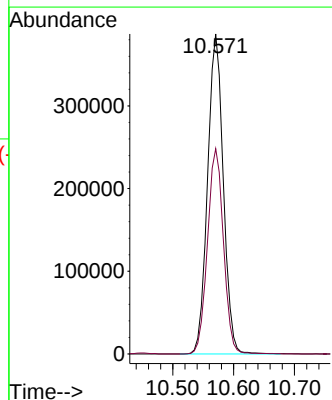
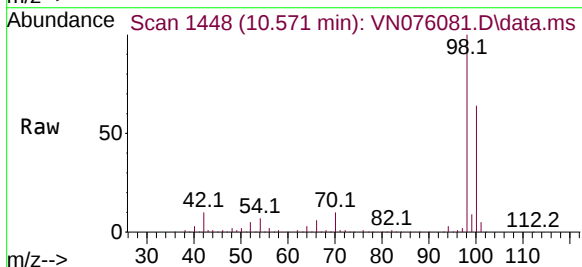
Acq: 04 Jan 2023 15:05

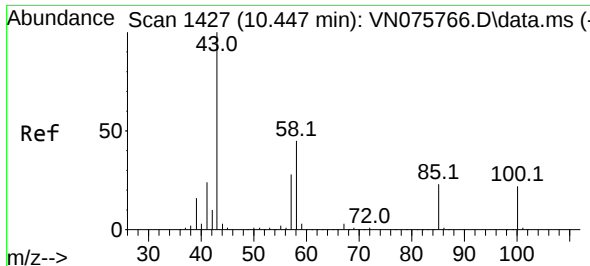
Tgt Ion: 98 Resp: 693153

Ion Ratio Lower Upper

98 100

100 65.2 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 3.919 ug/l

RT: 10.447 min Scan# 1412

Delta R.T. -0.000 min

Lab File: VN076081.D

Acq: 04 Jan 2023 15:05

Instrument :

MSVOA_N

ClientSampleId :

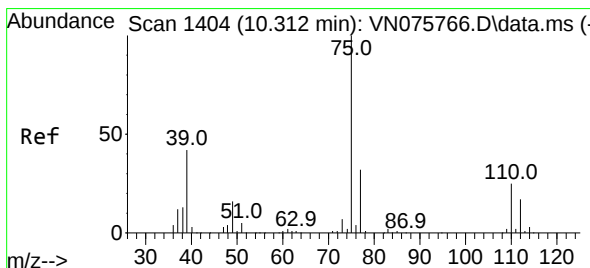
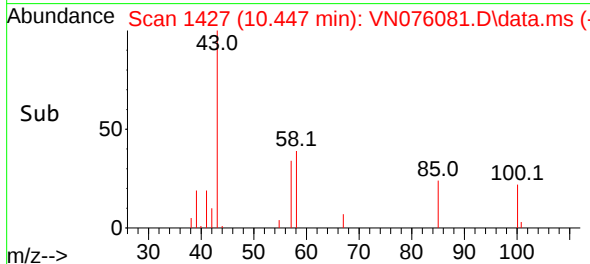
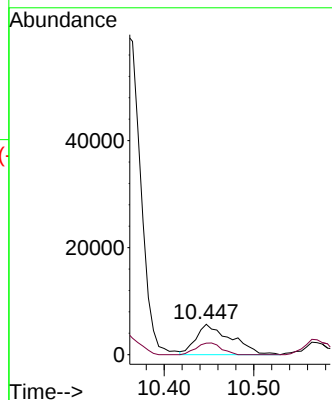
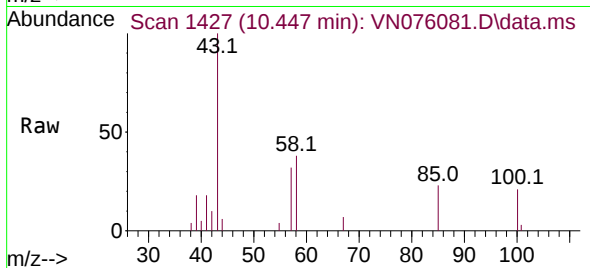
PB150013ZHE#02

Tgt Ion: 43 Resp: 15418

Ion Ratio Lower Upper

43 100

58 27.5 35.5 53.3#



#54

cis-1,3-Dichloropropene

Concen: 10.498 ug/l

RT: 10.365 min Scan# 1413

Delta R.T. 0.053 min

Lab File: VN076081.D

Acq: 04 Jan 2023 15:05

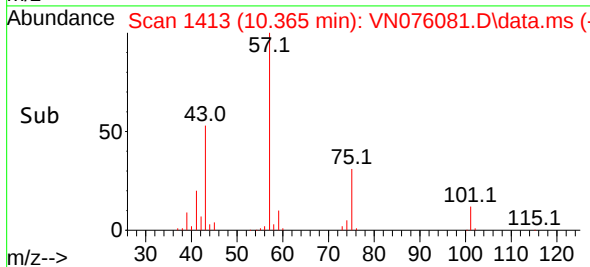
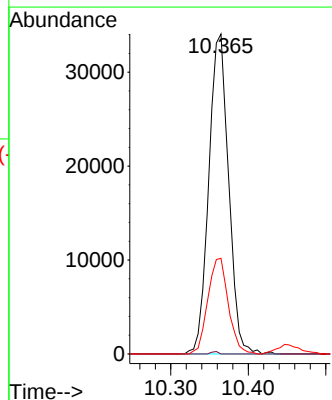
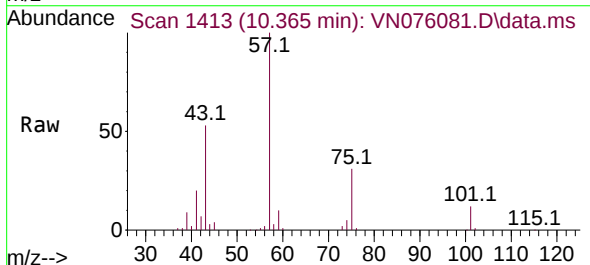
Tgt Ion: 75 Resp: 60490

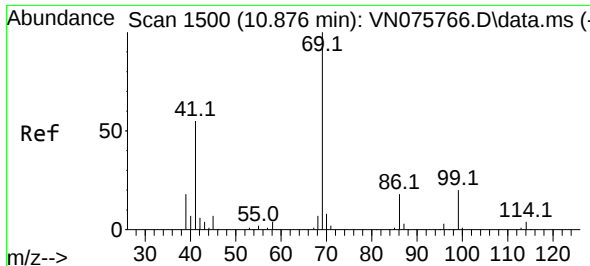
Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#

39 29.9 33.4 50.2#

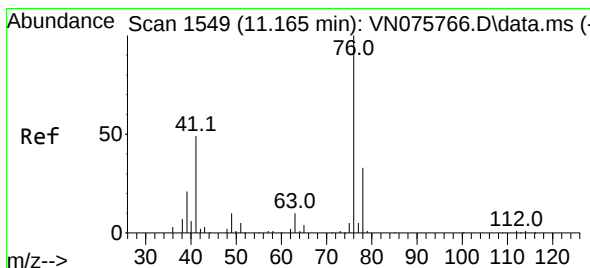
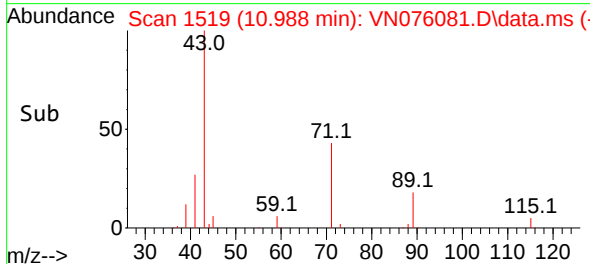
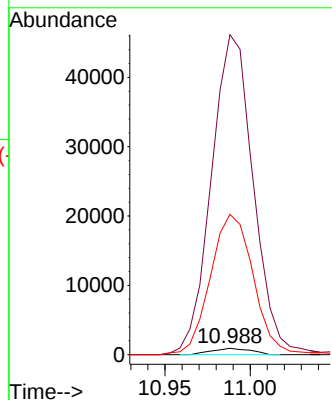
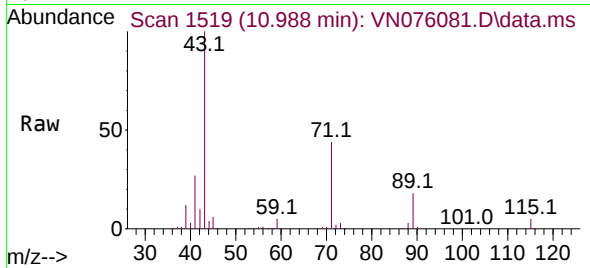




#56
Ethyl methacrylate
Concen: 0.287 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.112 min
Lab File: VN076081.D
Acq: 04 Jan 2023 15:05

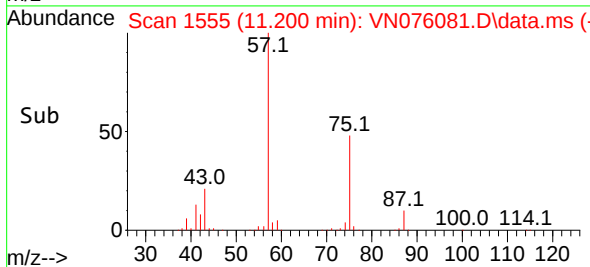
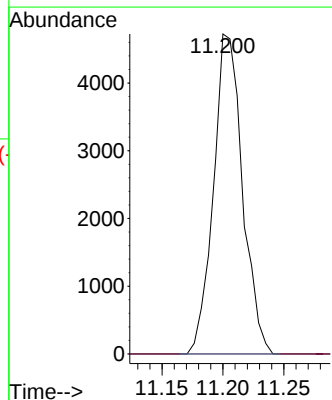
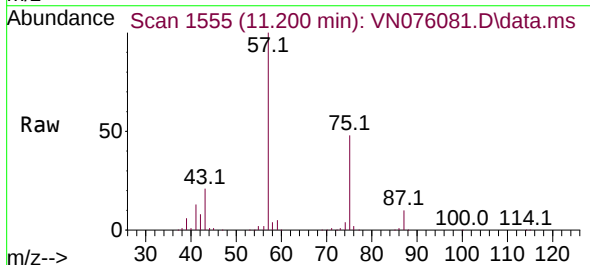
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#02

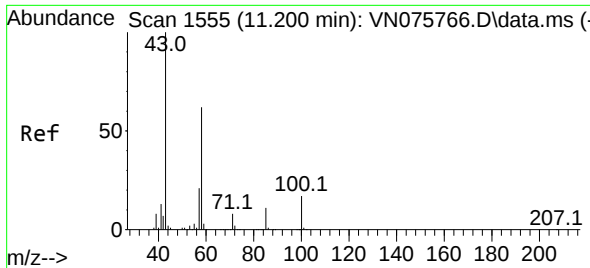
Tgt Ion: 69 Resp: 1476
Ion Ratio Lower Upper
69 100
41 5367.0 44.2 66.4#
39 2413.1 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 1.232 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN076081.D
Acq: 04 Jan 2023 15:05

Tgt Ion: 76 Resp: 7823
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

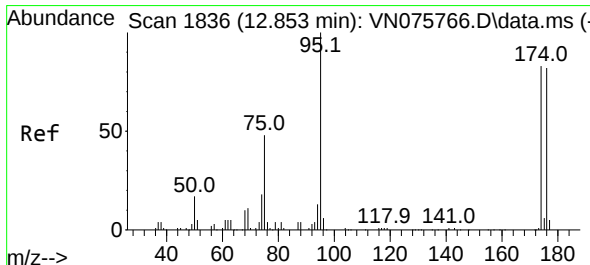
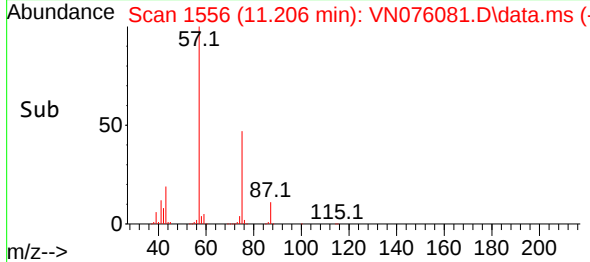
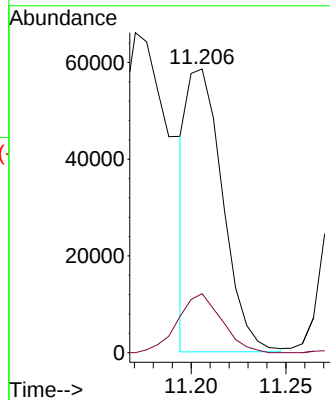
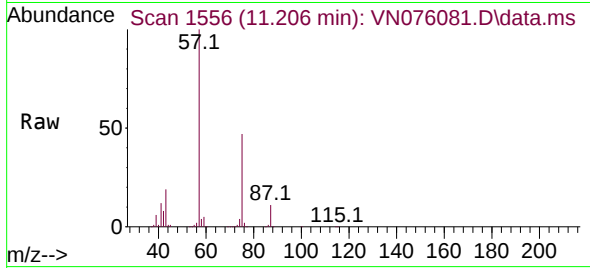




#59
2-Hexanone
Concen: 26.579 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076081.D
Acq: 04 Jan 2023 15:05

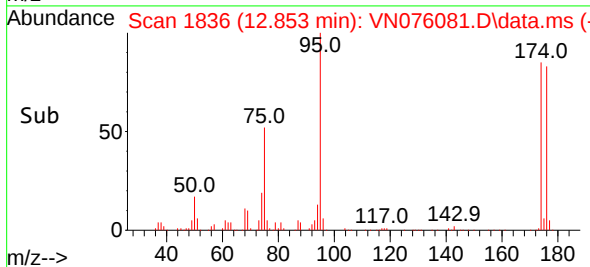
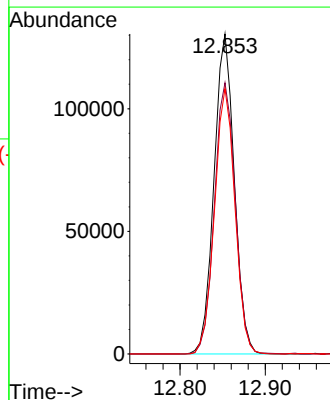
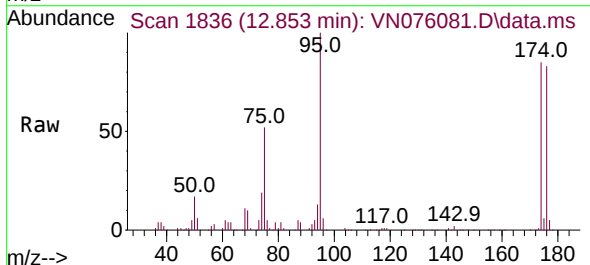
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#02

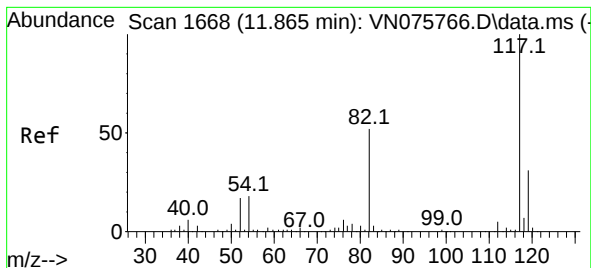
Tgt Ion: 43 Resp: 76252
Ion Ratio Lower Upper
43 100
58 25.9 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 47.077 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076081.D
Acq: 04 Jan 2023 15:05

Tgt Ion: 95 Resp: 215454
Ion Ratio Lower Upper
95 100
174 87.3 0.0 171.6
176 83.8 0.0 169.2

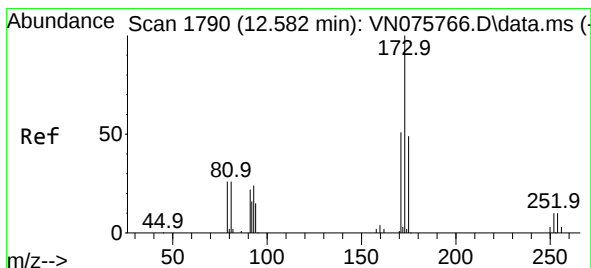
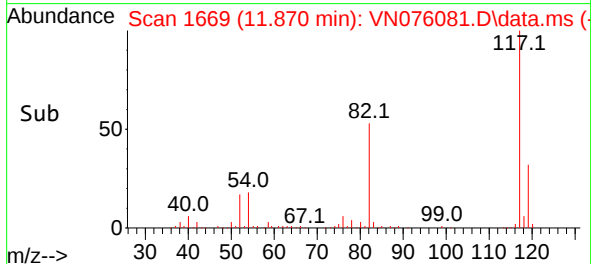
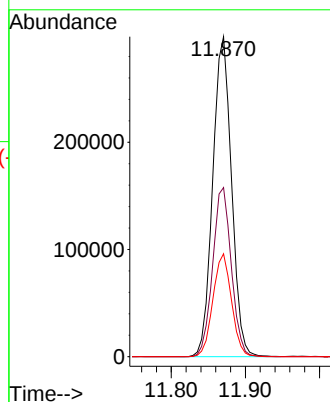
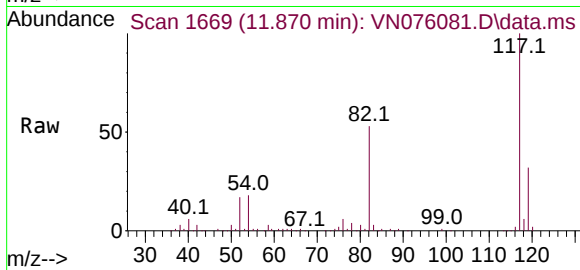




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN076081.D
Acq: 04 Jan 2023 15:05

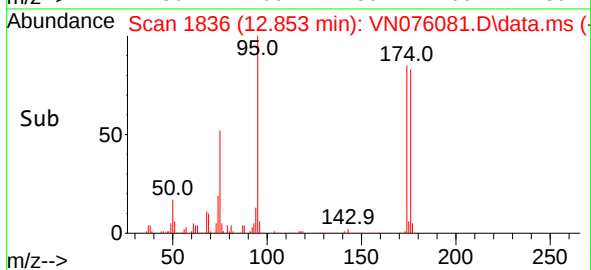
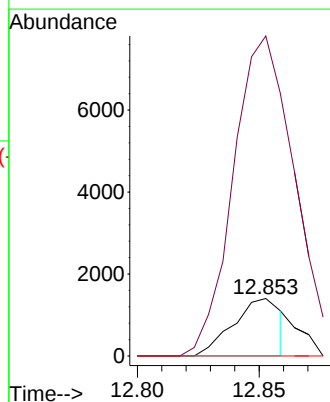
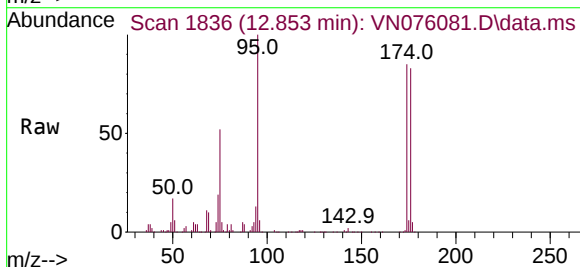
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#02

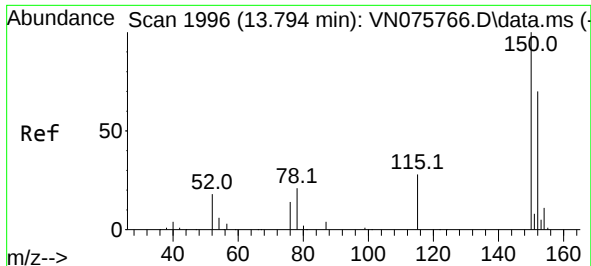
Tgt Ion:117 Resp: 525503
Ion Ratio Lower Upper
117 100
82 52.8 41.3 61.9
119 32.1 24.6 37.0



#71
Bromoform
Concen: 0.659 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN076081.D
Acq: 04 Jan 2023 15:05

Tgt Ion:173 Resp: 1916
Ion Ratio Lower Upper
173 100
175 559.7 24.3 72.8#
254 0.0 0.0 0.0

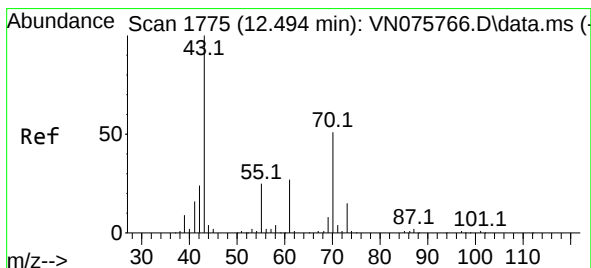
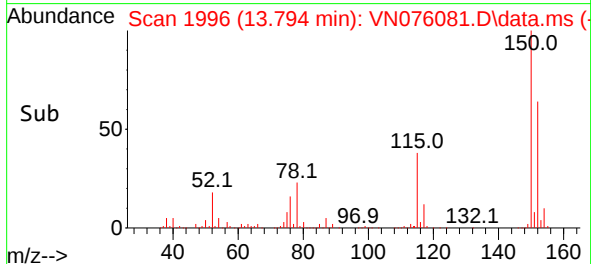
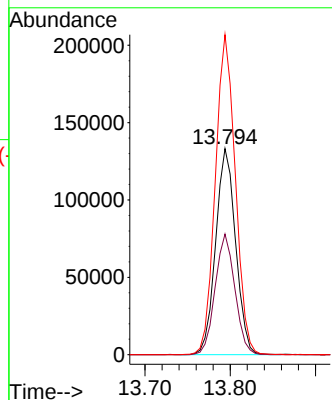
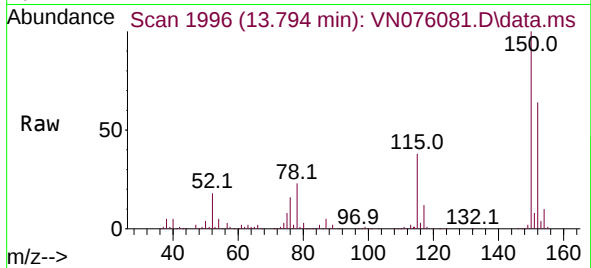




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076081.D
Acq: 04 Jan 2023 15:05

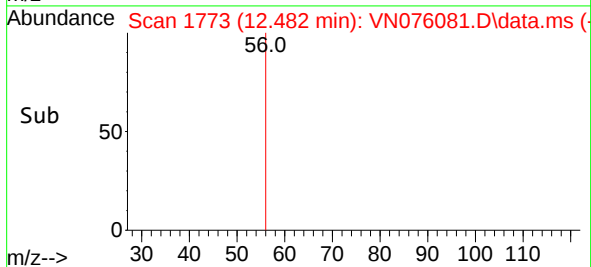
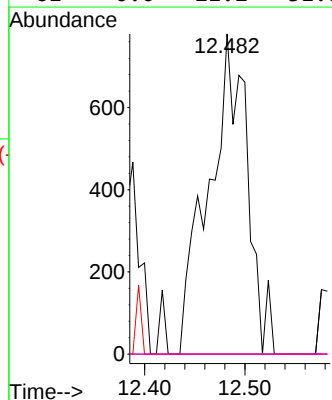
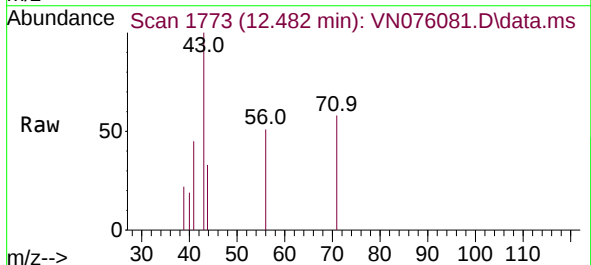
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#02

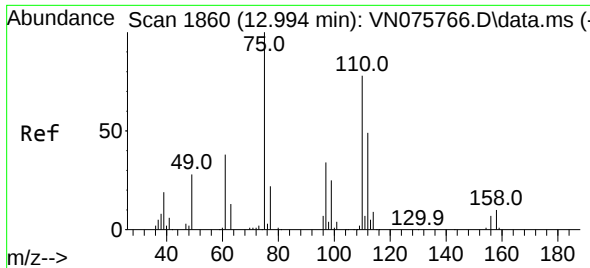
Tgt Ion:152 Resp: 216731
Ion Ratio Lower Upper
152 100
115 57.7 29.1 87.4
150 155.6 0.0 347.0



#74
N-ethyl acetate
Concen: 0.453 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN076081.D
Acq: 04 Jan 2023 15:05

Tgt Ion: 43 Resp: 2080
Ion Ratio Lower Upper
43 100
70 0.0 41.4 62.0#
55 0.0 21.3 31.9#
61 0.0 21.2 31.8#

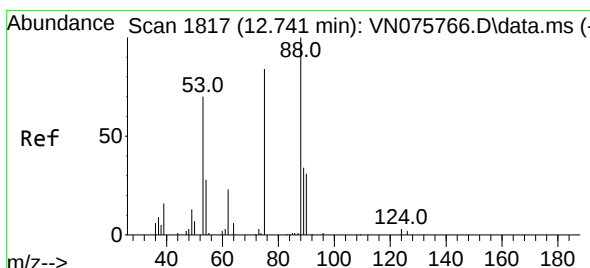
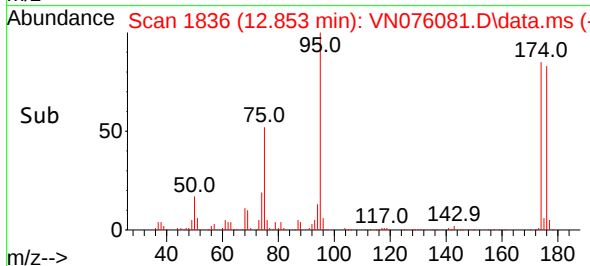
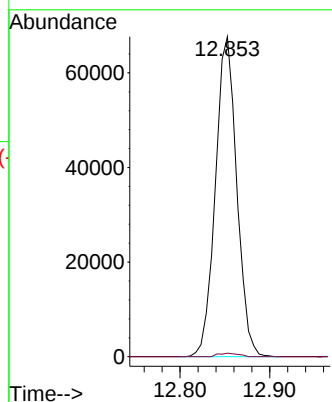
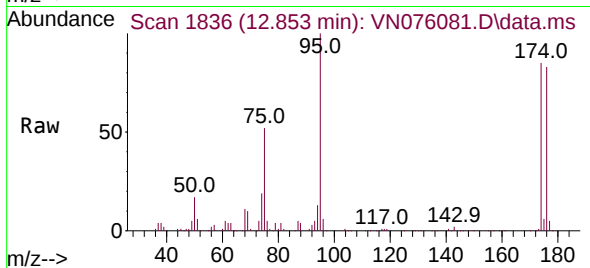




#76
1,2,3-Trichloropropane
Concen: 25.604 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076081.D
Acq: 04 Jan 2023 15:05

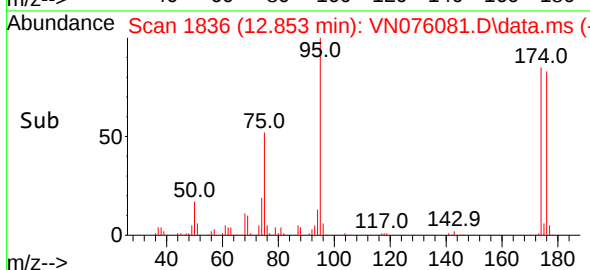
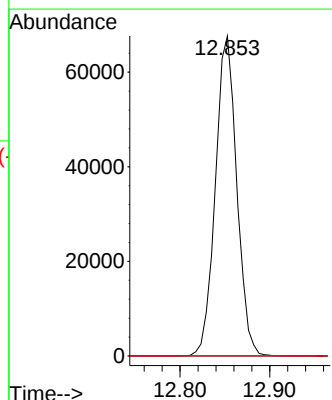
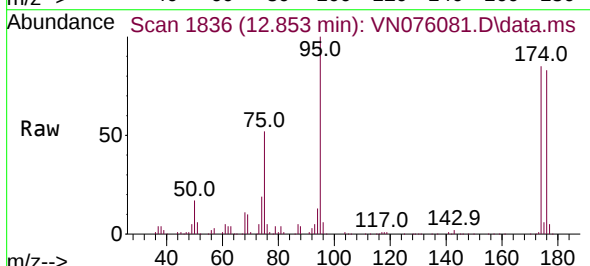
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#02

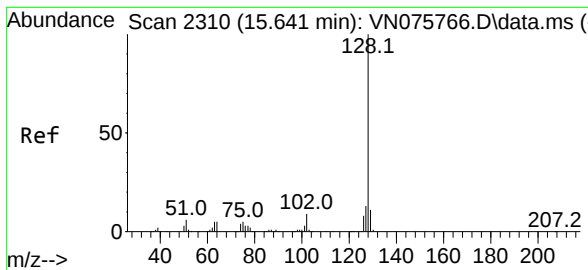
Tgt Ion: 75 Resp: 111856
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.160 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076081.D
Acq: 04 Jan 2023 15:05

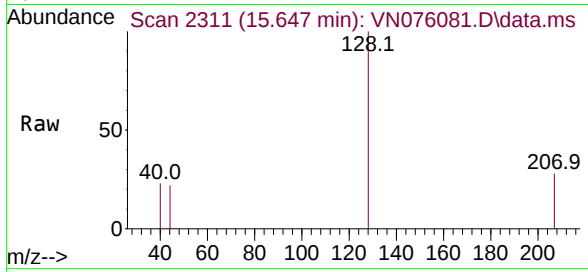
Tgt Ion: 75 Resp: 111856
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 2.305 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076081.D
Acq: 04 Jan 2023 15:05

Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#02



Tgt Ion:	128	Resp:	1567
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.7	13.1#

