

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN076032.D
 Acq On : 29 Dec 2022 04:55
 Operator : JC\MD
 Sample : PB149923ZHE#13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149923ZHE#13

Quant Time: Dec 29 07:51:24 2022
 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

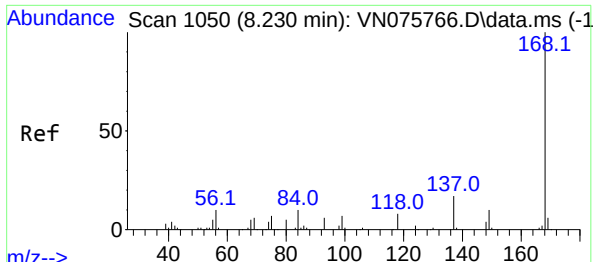
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	366326	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	580976	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	524074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	224042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	184060	46.185	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.360%		
35) Dibromofluoromethane	8.177	113	170677	47.438	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.880%		
50) Toluene-d8	10.571	98	680108	50.558	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.120%		
62) 4-Bromofluorobenzene	12.853	95	217520	48.821	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.640%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.512	59	1795	3.183	ug/l #	72
16) Acetone	4.442	43	63856	46.481	ug/l	92
18) Methyl Acetate	5.059	43	4073	1.003	ug/l #	45
20) Methylene Chloride	5.289	84	16305	3.846	ug/l	96
25) 2-Butanone	7.500	43	23441	12.186	ug/l	97
29) Tetrahydrofuran	7.847	42	2688	2.230	ug/l	91
31) Cyclohexane	8.236	56	6508	1.140	ug/l #	21
36) 1,1-Dichloropropene	8.230	75	25636	5.364	ug/l #	51
37) Ethyl Acetate	7.571	43	35687	9.296	ug/l	97
38) Carbon Tetrachloride	8.230	117	35164	6.574	ug/l #	17
41) Methacrylonitrile	7.847	41	1583	0.793	ug/l #	40
42) 1,2-Dichloroethane	8.688	62	1932	0.394	ug/l #	72
43) Isopropyl Acetate	8.694	43	292433	46.177	ug/l #	77
45) 1,2-Dichloropropane	9.747	63	2336	0.651	ug/l #	43
48) Methyl methacrylate	9.665	41	5069	1.777	ug/l #	36
49) 1,4-Dioxane	9.753	88	248	3.537	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	20715	5.409	ug/l #	79
52) Toluene	10.635	92	5440	0.566	ug/l	97
53) t-1,3-Dichloropropene	10.724	75	1259	0.246	ug/l	94
54) cis-1,3-Dichloropropene	10.365	75	79588	14.188	ug/l #	60
56) Ethyl methacrylate	10.994	69	1682	0.336	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	10187	1.648	ug/l #	42
59) 2-Hexanone	11.171	43	148605	53.207	ug/l #	20
71) Bromoform	12.853	173	1894	0.653	ug/l #	1
74) N-amyl acetate	12.465	43	4511	0.950	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	110138	24.388	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	110138	87.783	ug/l #	12
95) Naphthalene	15.647	128	2208	2.351	ug/l #	76

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

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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: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076032.D

Acq: 29 Dec 2022 04:55

Instrument :

MSVOA_N

ClientSampleId :

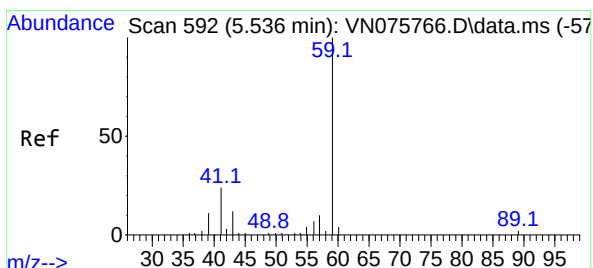
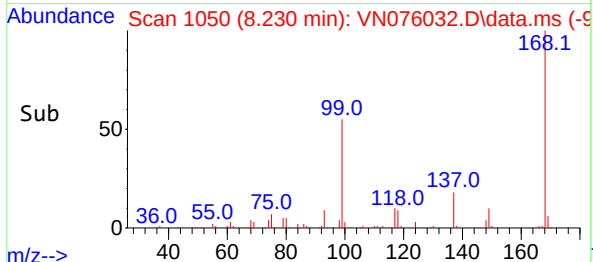
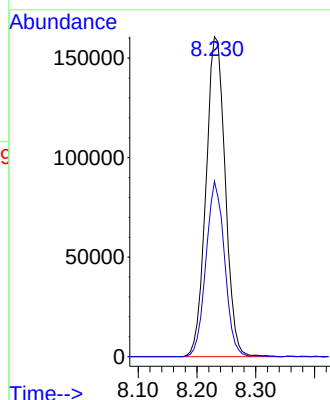
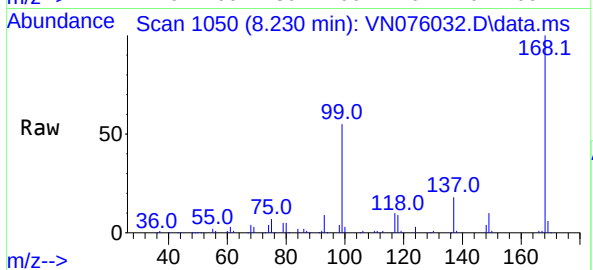
PB149923ZHE#13

Tgt Ion:168 Resp: 366326

Ion Ratio Lower Upper

168 100

99 54.8 44.2 66.4



#11

Tert butyl alcohol

Concen: 3.183 ug/l

RT: 5.512 min Scan# 588

Delta R.T. -0.023 min

Lab File: VN076032.D

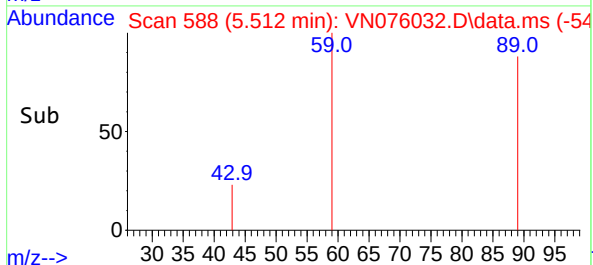
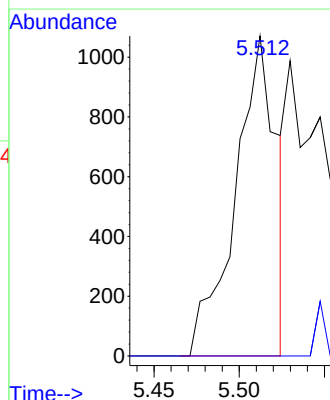
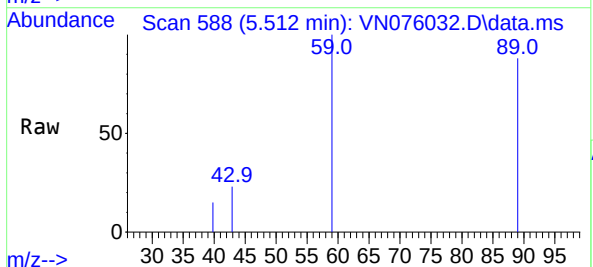
Acq: 29 Dec 2022 04:55

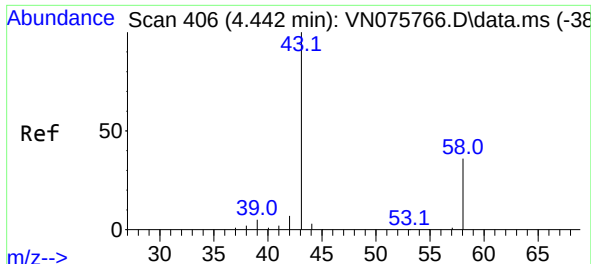
Tgt Ion: 59 Resp: 1795

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

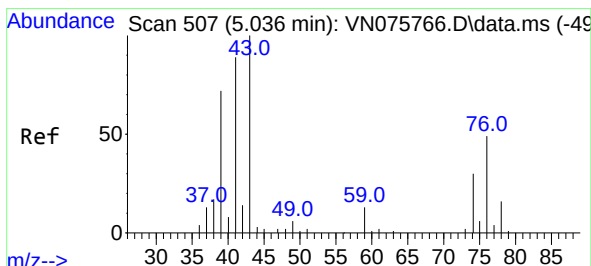
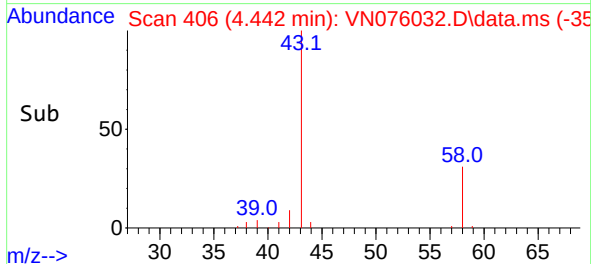
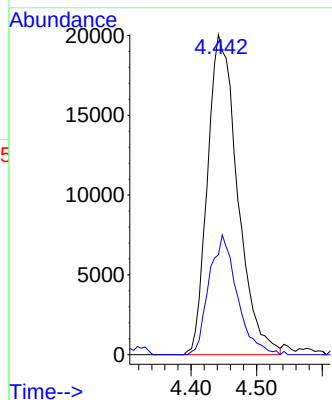
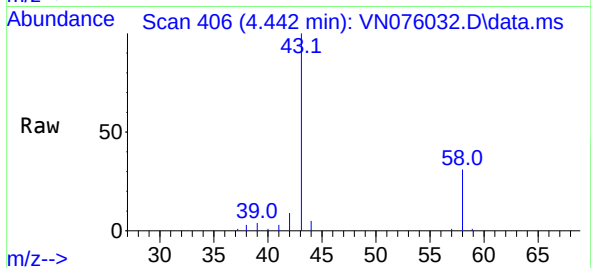




#16
Acetone
Concen: 46.481 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

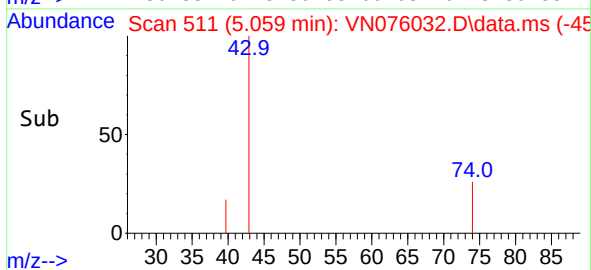
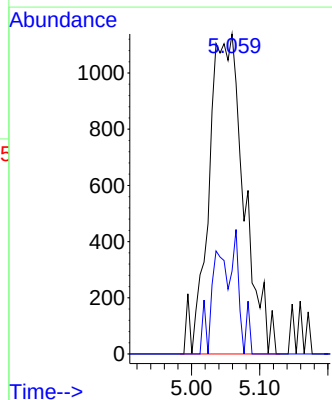
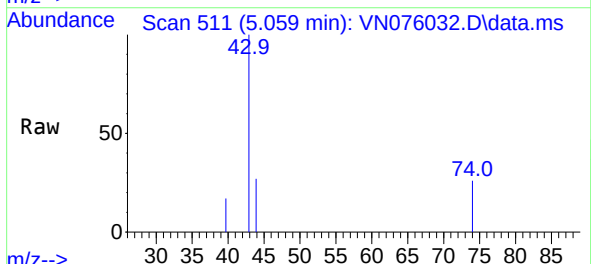
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#13

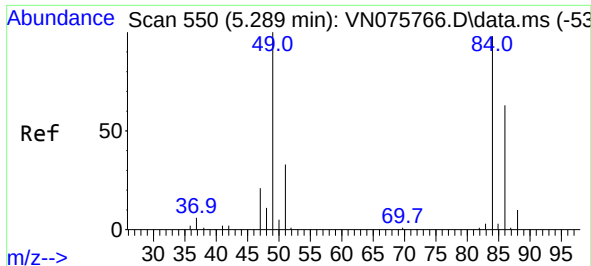
Tgt Ion: 43 Resp: 63856
Ion Ratio Lower Upper
43 100
58 31.3 28.6 43.0



#18
Methyl Acetate
Concen: 1.003 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.024 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

Tgt Ion: 43 Resp: 4073
Ion Ratio Lower Upper
43 100
74 0.0 23.6 35.4#



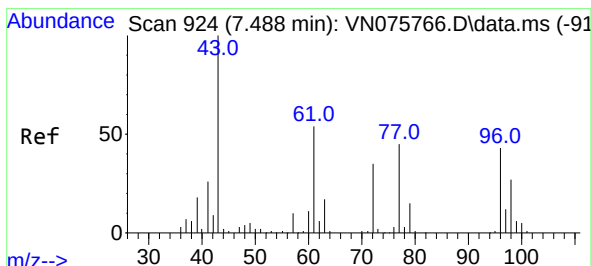
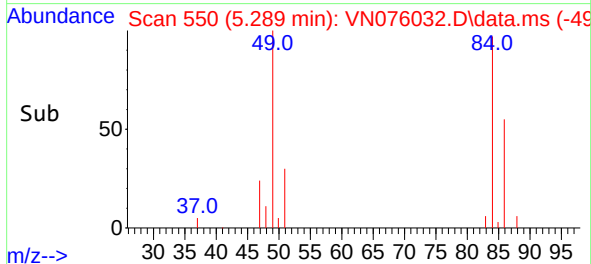
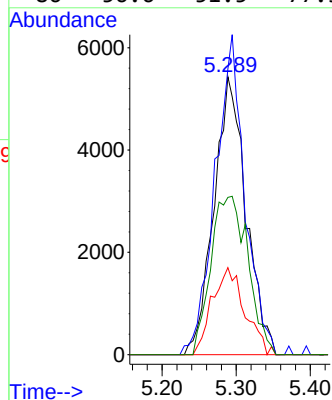
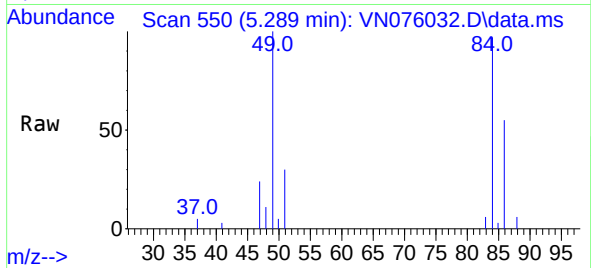


#20
Methylene Chloride
Concen: 3.846 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#13

Tgt Ion: 84 Resp: 16305

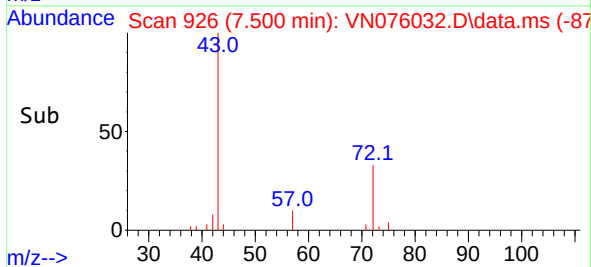
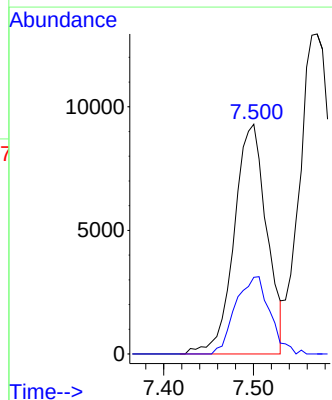
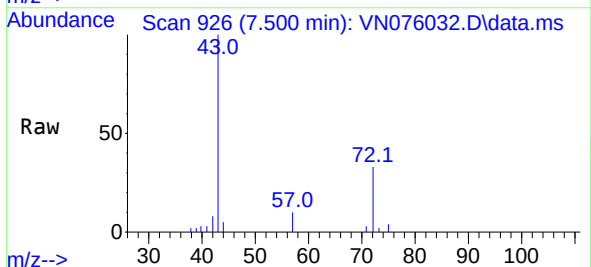
Ion	Ratio	Lower	Upper
84	100		
49	102.8	81.8	122.6
51	31.3	26.7	40.1
86	56.6	51.5	77.3

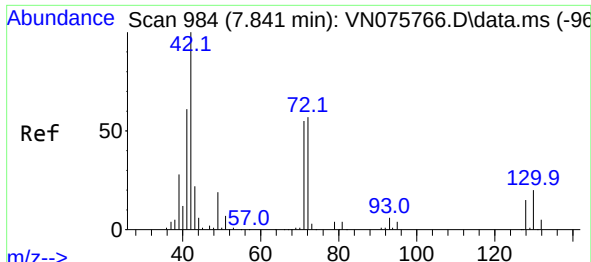


#25
2-Butanone
Concen: 12.186 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

Tgt Ion: 43 Resp: 23441

Ion	Ratio	Lower	Upper
43	100		
72	33.4	28.0	42.0

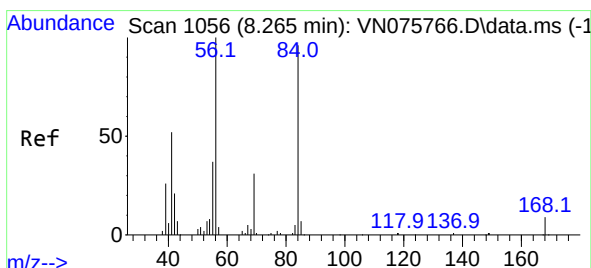
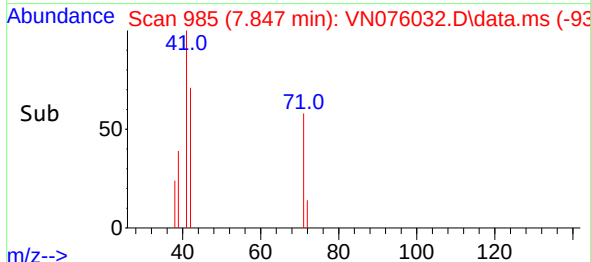
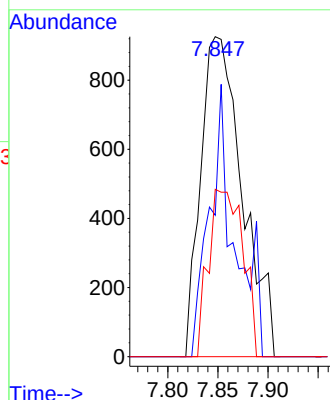
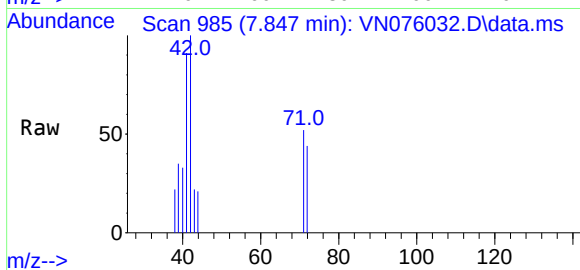




#29
Tetrahydrofuran
Concen: 2.230 ug/l
RT: 7.847 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

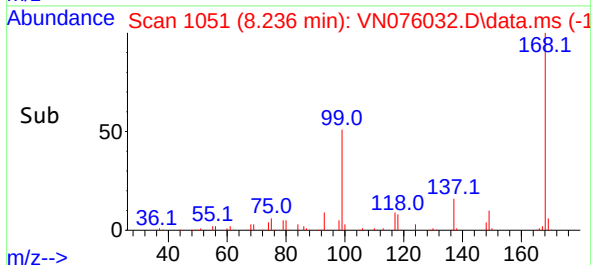
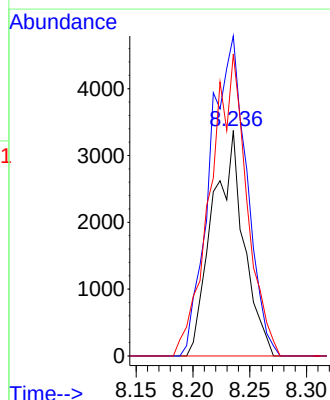
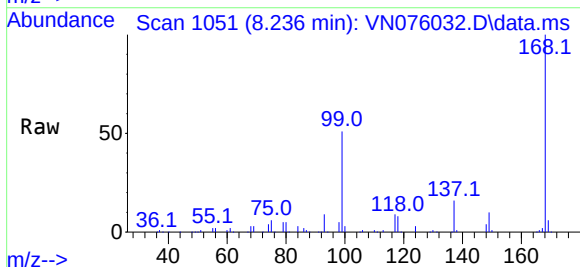
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#13

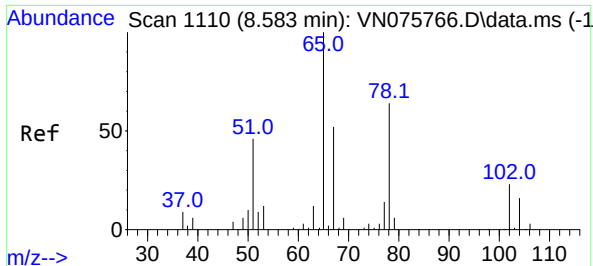
Tgt Ion:	42	Resp:	2688
Ion	Ratio	Lower	Upper
42	100		
72	51.2	44.5	66.7
71	43.2	41.0	61.6



#31
Cyclohexane
Concen: 1.140 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.029 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

Tgt Ion:	56	Resp:	6508
Ion	Ratio	Lower	Upper
56	100		
69	141.9	24.7	37.1#
84	133.9	76.5	114.7#

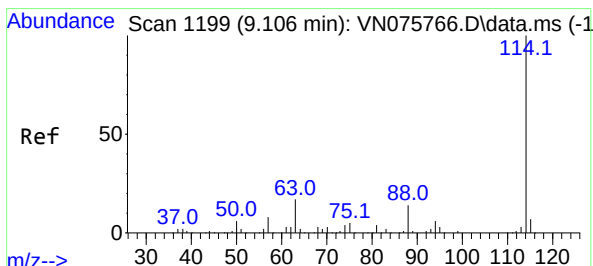
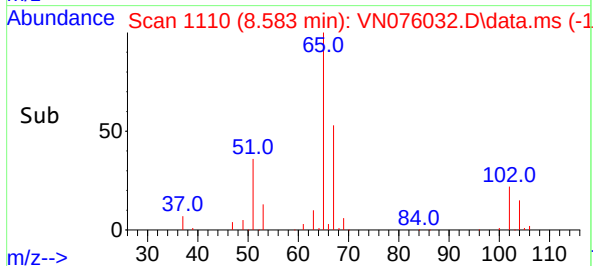
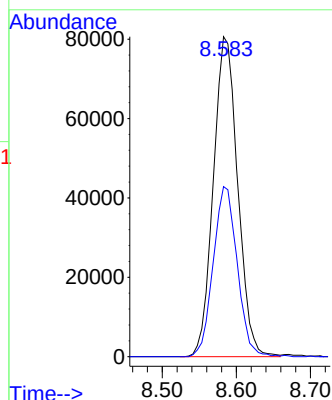
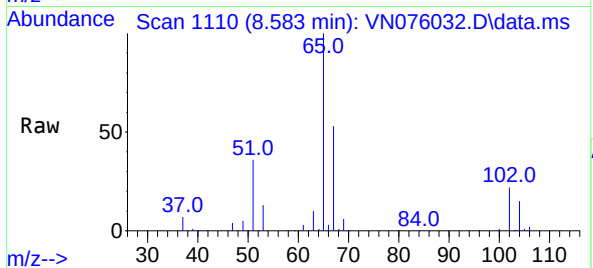




#33
1,2-Dichloroethane-d4
Concen: 46.185 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

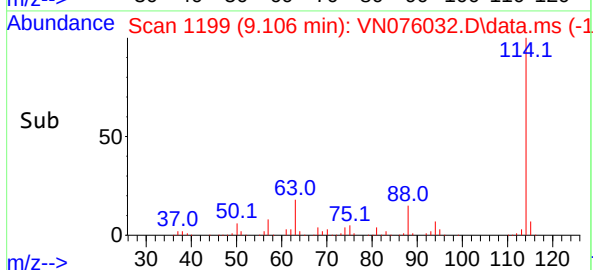
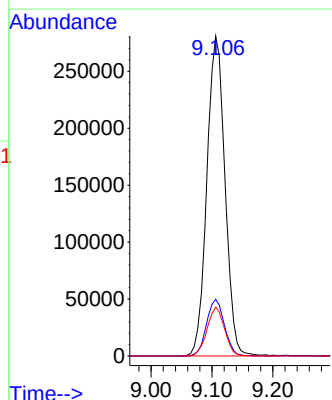
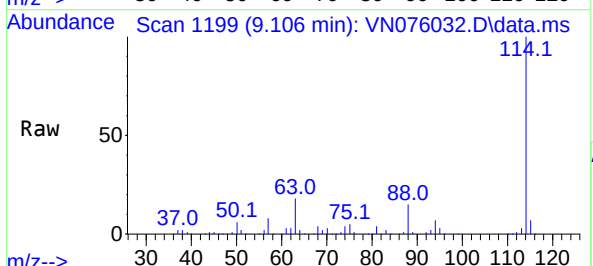
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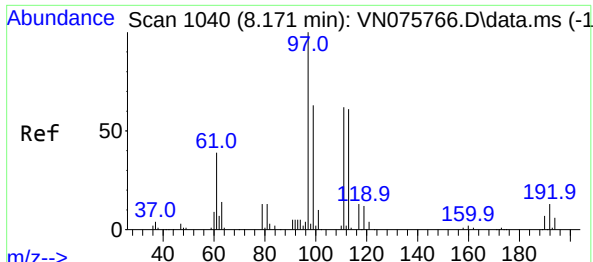
Tgt Ion: 65 Resp: 184060
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

Tgt Ion: 114 Resp: 580976
Ion Ratio Lower Upper
114 100
63 17.7 0.0 34.4
88 15.3 0.0 28.8

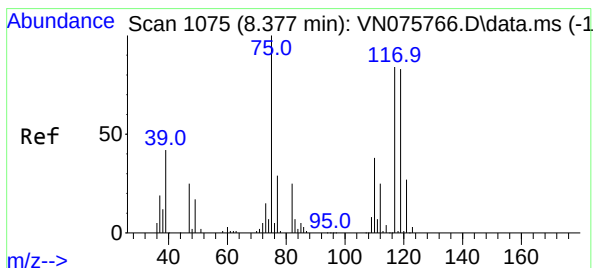
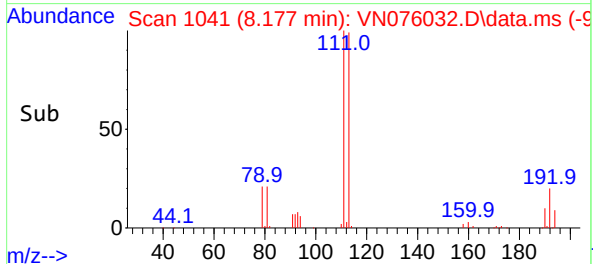
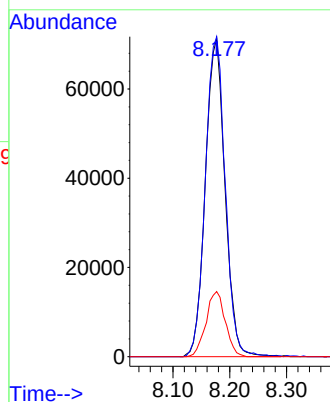
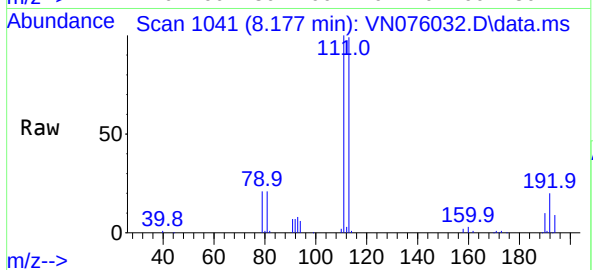




#35
Dibromofluoromethane
Concen: 47.438 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

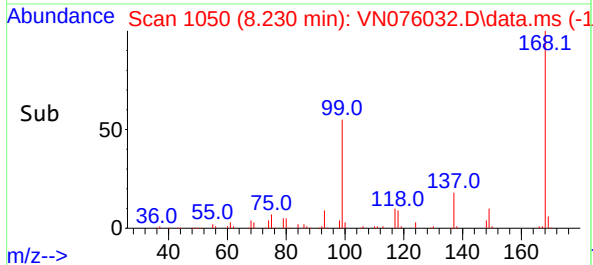
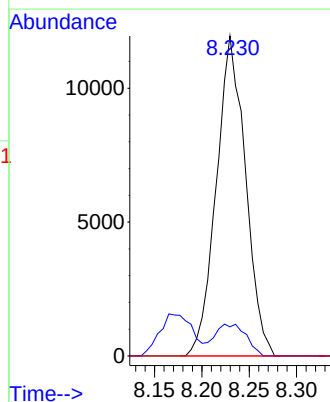
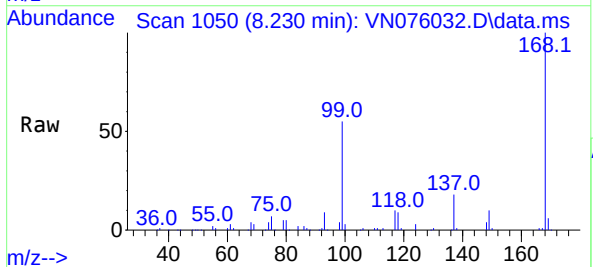
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PB149923ZHE#13

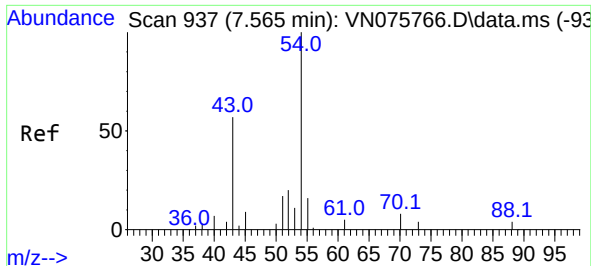
Tgt Ion:113 Resp: 170677
Ion Ratio Lower Upper
113 100
111 101.8 83.4 125.2
192 20.1 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.364 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

Tgt Ion: 75 Resp: 25636
Ion Ratio Lower Upper
75 100
110 11.0 18.8 56.4#
77 0.0 24.1 36.1#

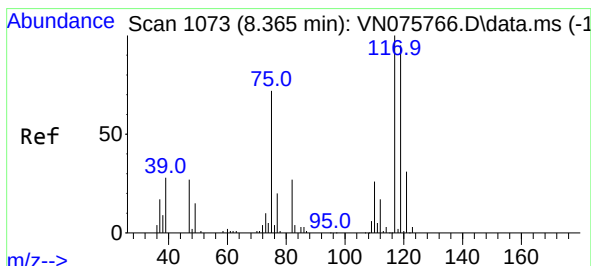
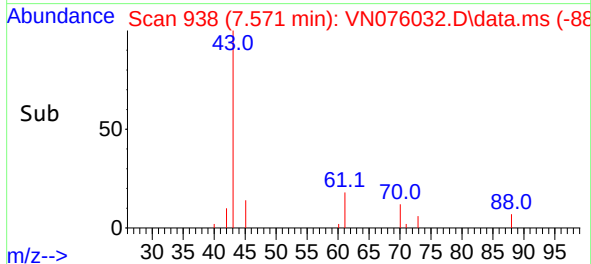
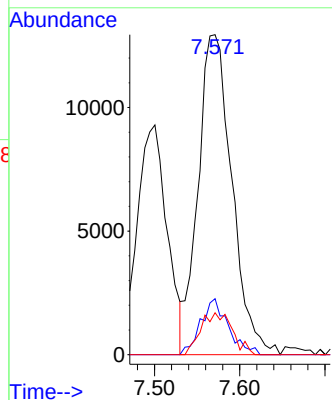
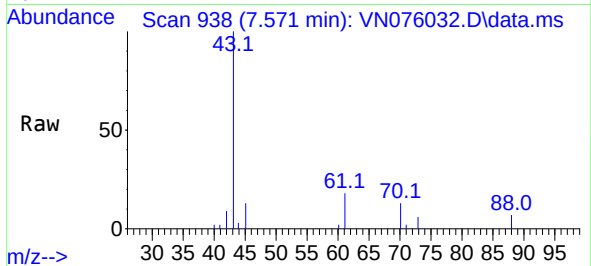




#37
Ethyl Acetate
Concen: 9.296 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

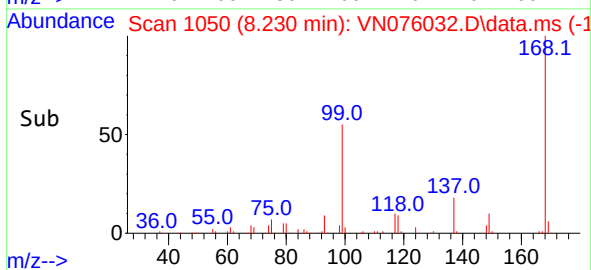
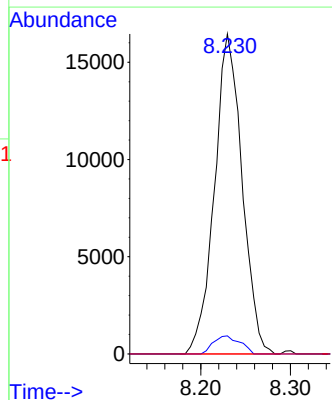
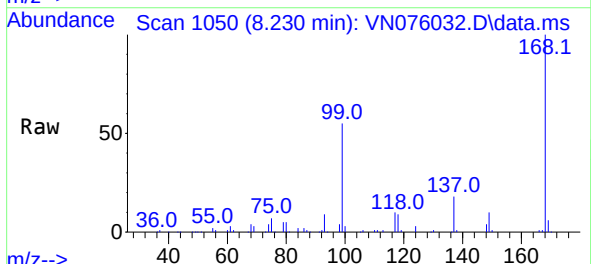
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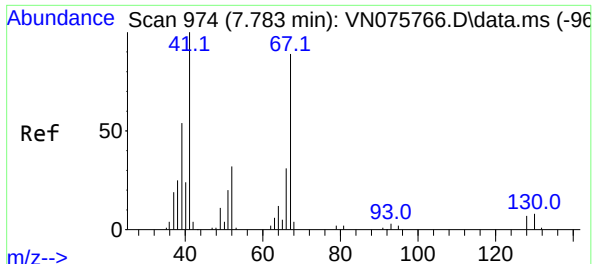
Tgt Ion: 43 Resp: 35687
Ion Ratio Lower Upper
43 100
61 14.3 13.0 19.4
70 12.3 9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.574 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

Tgt Ion: 117 Resp: 35164
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 24.5 36.7#

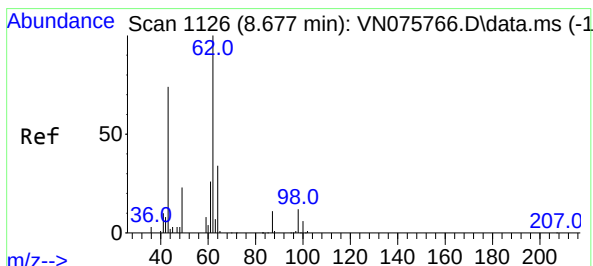
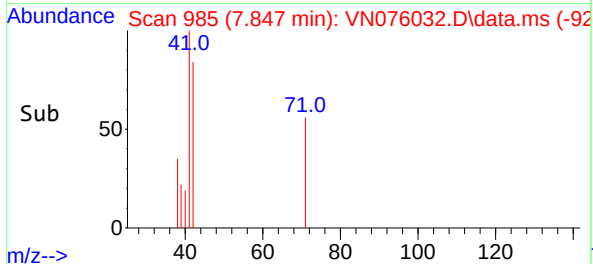
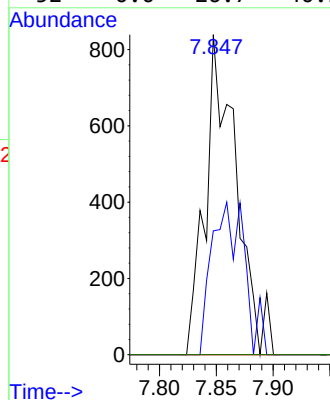
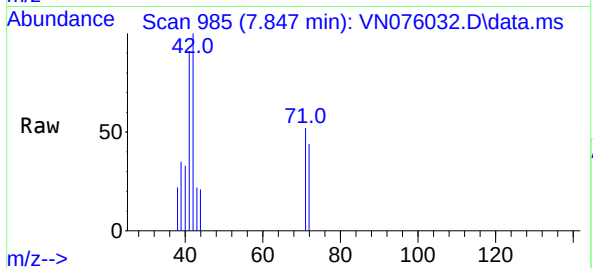




#41
Methacrylonitrile
Concen: 0.793 ug/l
RT: 7.847 min Scan# 91
Delta R.T. 0.065 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

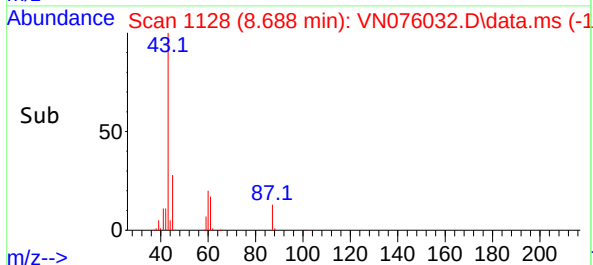
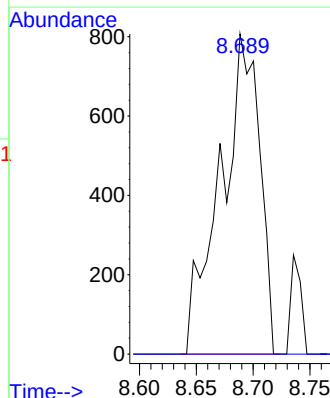
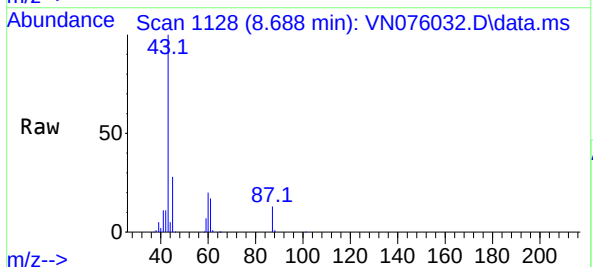
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#13

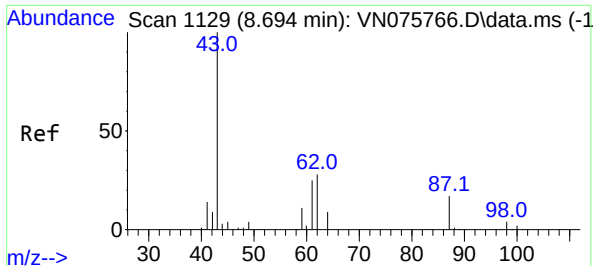
Tgt Ion: 41 Resp: 1583
Ion Ratio Lower Upper
41 100
39 50.6 43.1 64.7
67 0.0 70.7 106.1#
52 0.0 26.7 40.1#



#42
1,2-Dichloroethane
Concen: 0.394 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

Tgt Ion: 62 Resp: 1932
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.8

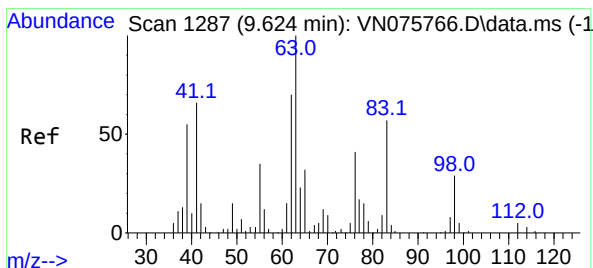
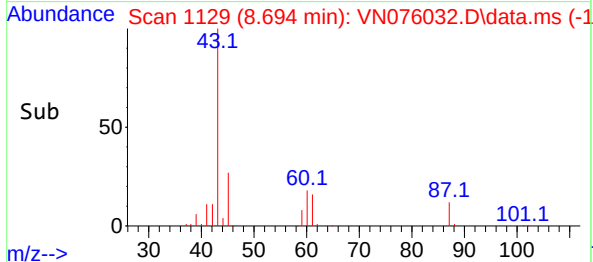
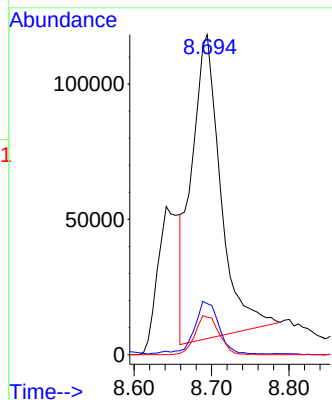
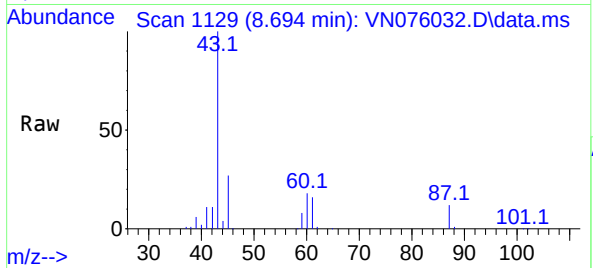




#43
Isopropyl Acetate
Concen: 46.177 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

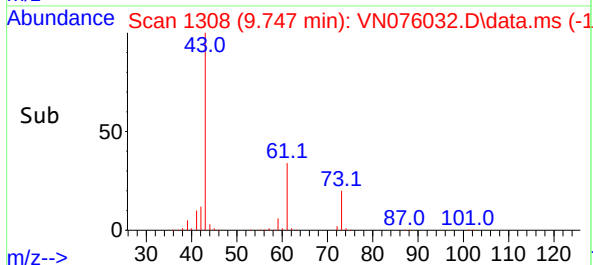
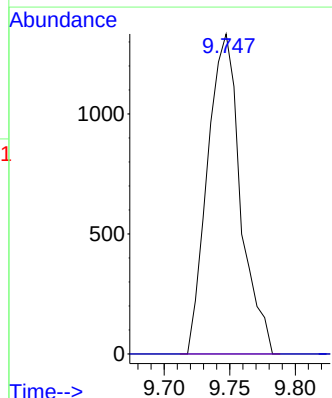
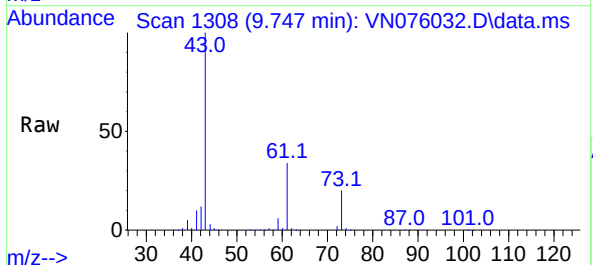
Instrument : MSVOA_N
ClientSampleId : PB149923ZHE#13

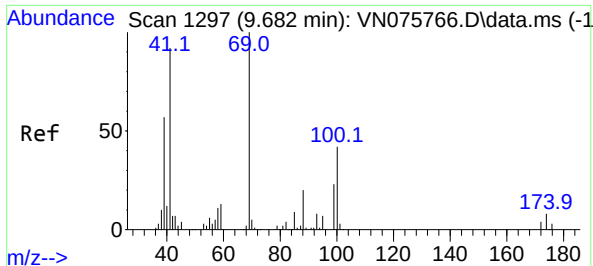
Tgt Ion: 43 Resp: 292433
Ion Ratio Lower Upper
43 100
61 15.4 24.2 36.4#
87 10.6 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.651 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.124 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

Tgt Ion: 63 Resp: 2336
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

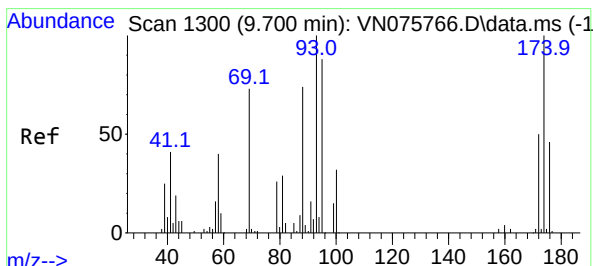
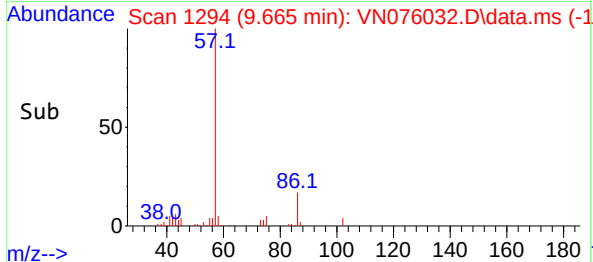
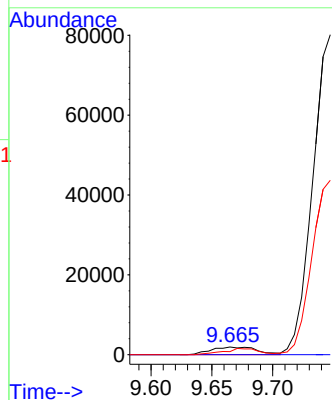
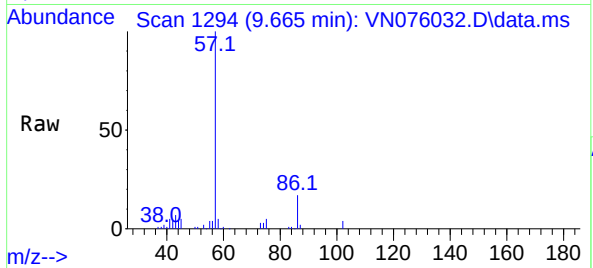




#48
Methyl methacrylate
Concen: 1.777 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

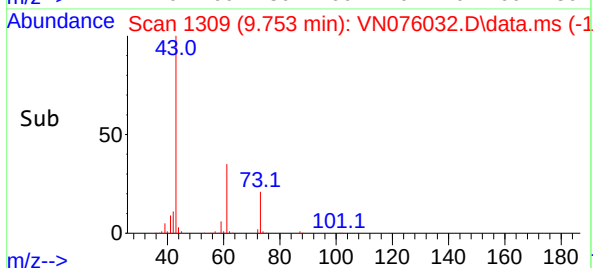
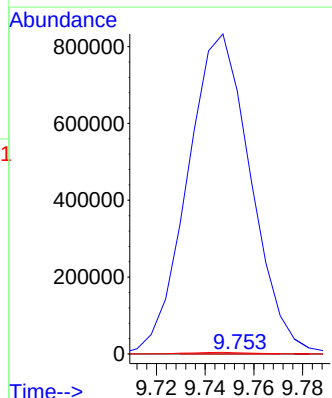
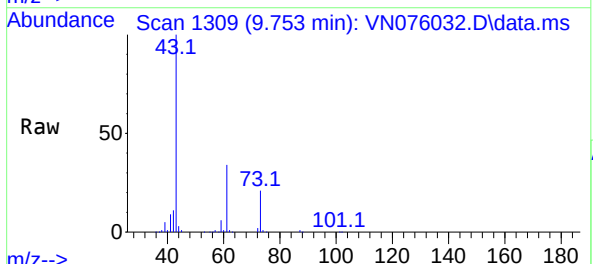
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#13

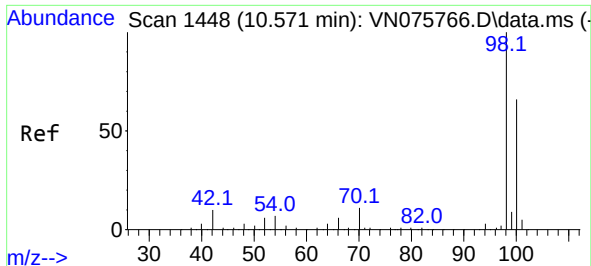
Tgt Ion: 41 Resp: 5069
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 61.2 51.6 77.4



#49
1,4-Dioxane
Concen: 3.537 ug/l
RT: 9.753 min Scan# 1309
Delta R.T. 0.053 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

Tgt Ion: 88 Resp: 248
Ion Ratio Lower Upper
88 100
43 611676.6 17.1 25.7#
58 2930.6 47.8 71.8#

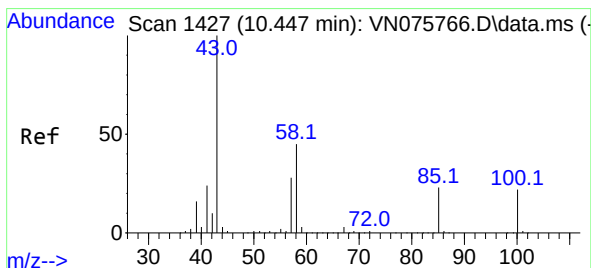
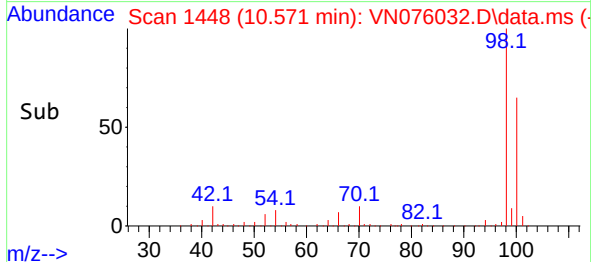
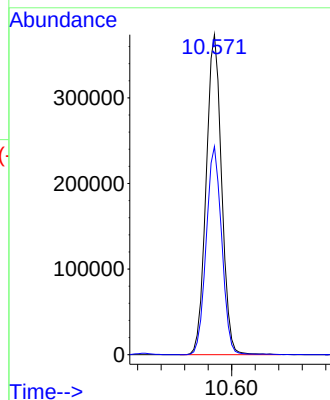
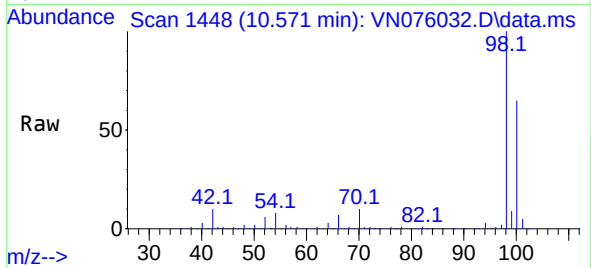




#50
Toluene-d8
Concen: 50.558 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

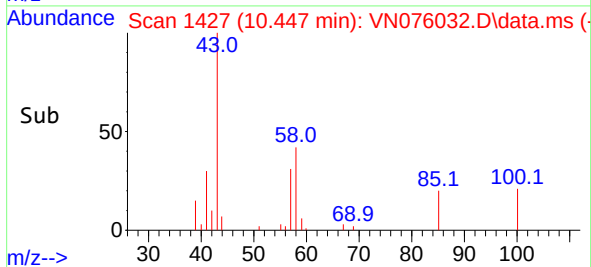
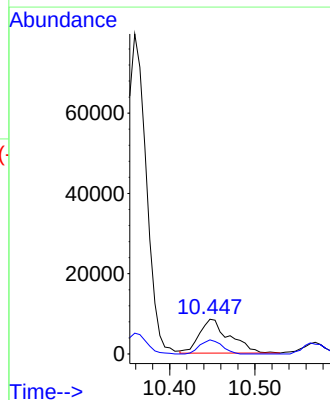
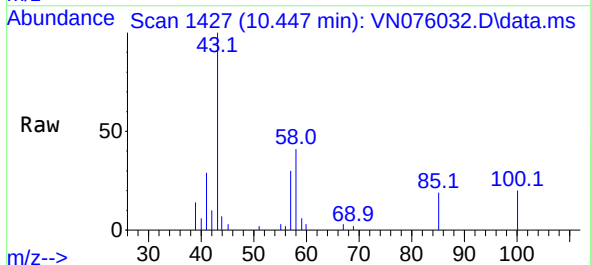
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#13

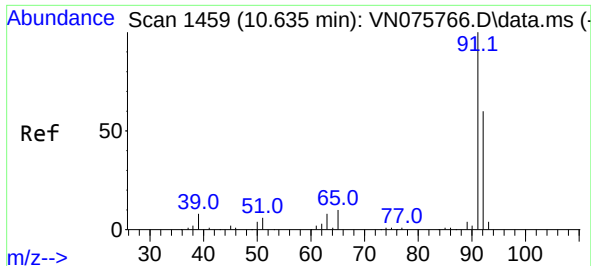
Tgt Ion: 98 Resp: 680108
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 5.409 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

Tgt Ion: 43 Resp: 20715
Ion Ratio Lower Upper
43 100
58 30.5 35.5 53.3#

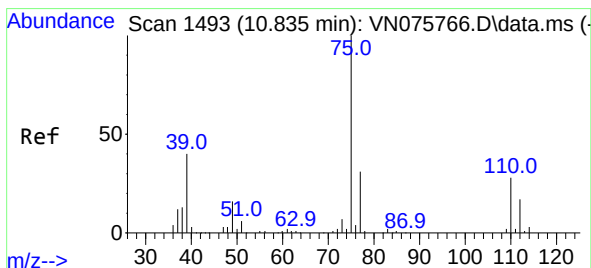
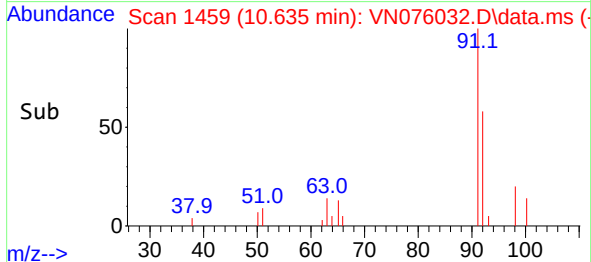
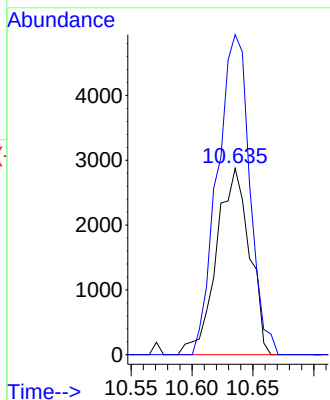
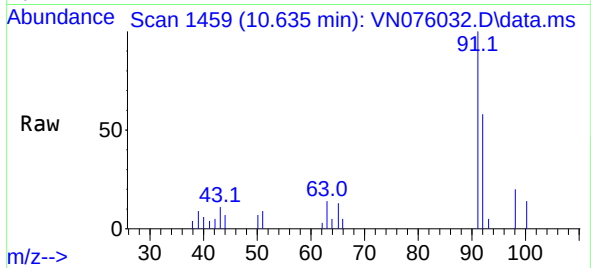




#52
Toluene
Concen: 0.566 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

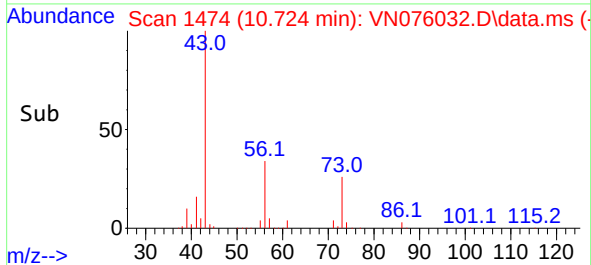
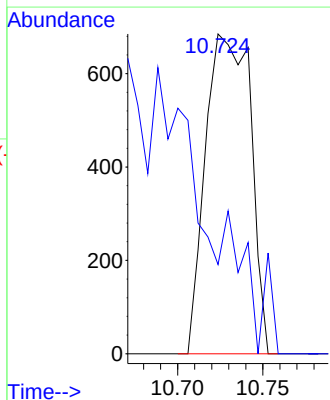
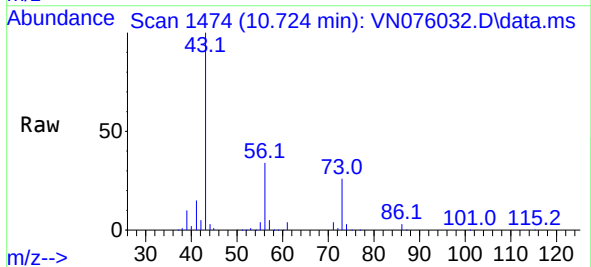
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#13

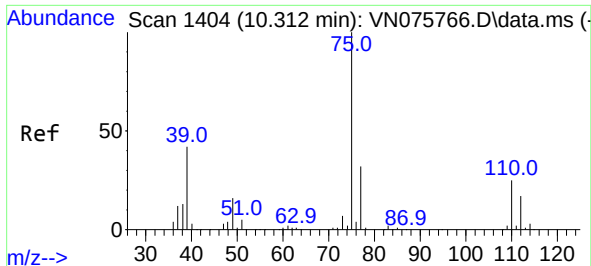
Tgt Ion: 92 Resp: 5440
Ion Ratio Lower Upper
92 100
91 167.7 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 0.246 ug/l
RT: 10.724 min Scan# 1474
Delta R.T. -0.112 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

Tgt Ion: 75 Resp: 1259
Ion Ratio Lower Upper
75 100
77 27.9 24.9 37.3

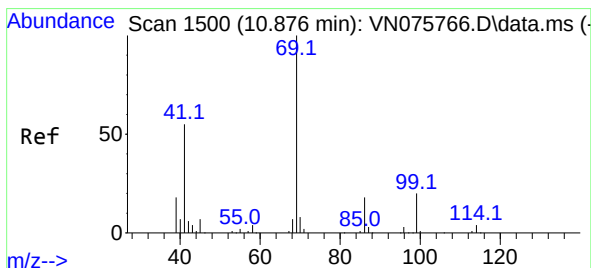
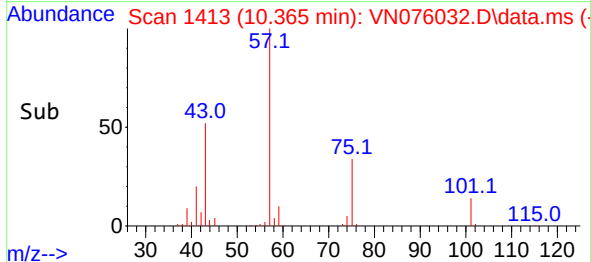
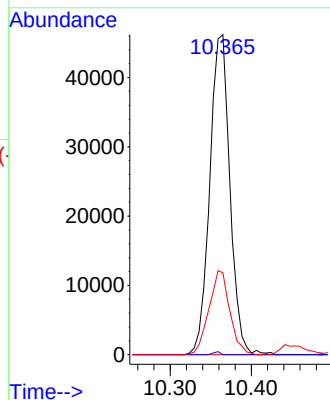
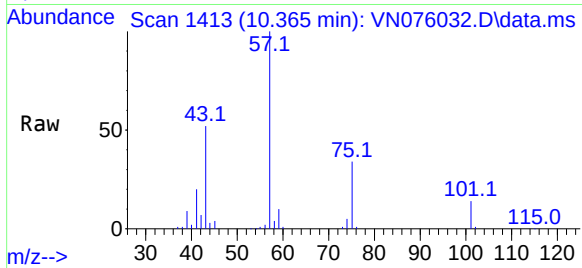




#54
cis-1,3-Dichloropropene
Concen: 14.188 ug/l
RT: 10.365 min Scan# 1413
Delta R.T. 0.053 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

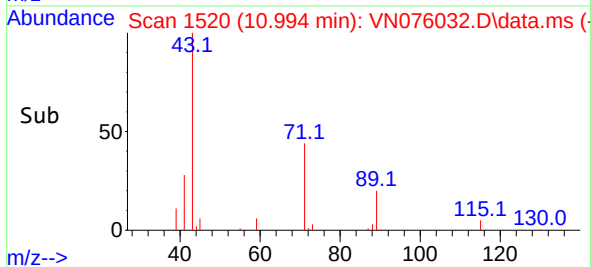
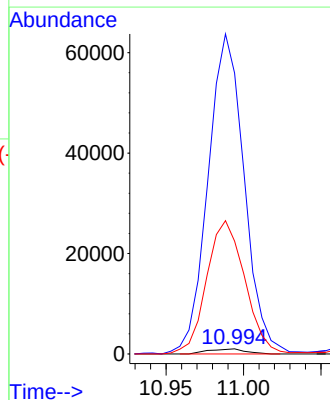
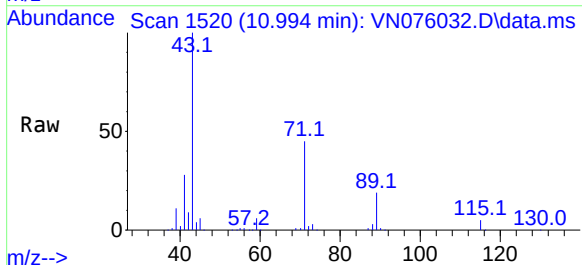
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#13

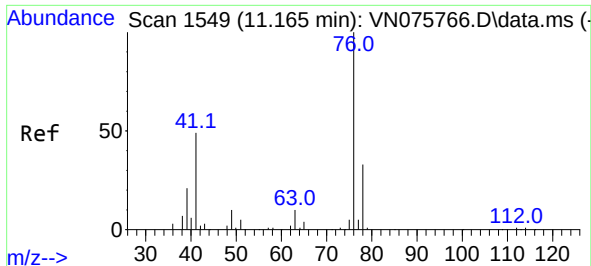
Tgt Ion: 75 Resp: 79588
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.8#
39 25.6 33.4 50.2#



#56
Ethyl methacrylate
Concen: 0.336 ug/l
RT: 10.994 min Scan# 1520
Delta R.T. 0.118 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

Tgt Ion: 69 Resp: 1682
Ion Ratio Lower Upper
69 100
41 6172.2 44.2 66.4#
39 2713.1 26.4 39.6#





#57

1,3-Dichloropropane

Concen: 1.648 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN076032.D

Acq: 29 Dec 2022 04:55

Instrument :

MSVOA_N

ClientSampleId :

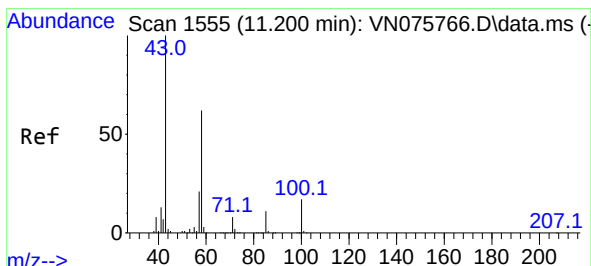
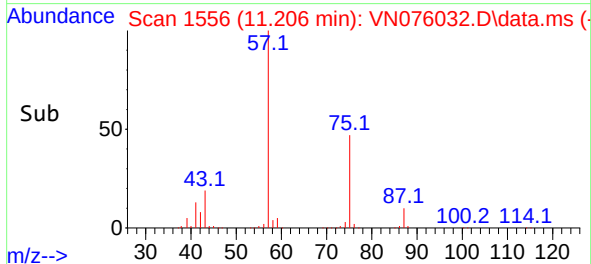
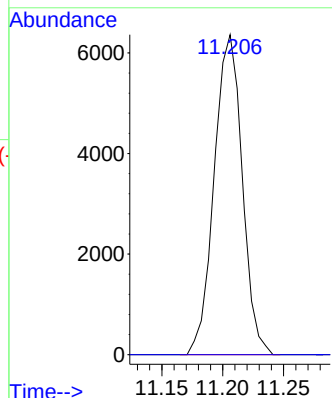
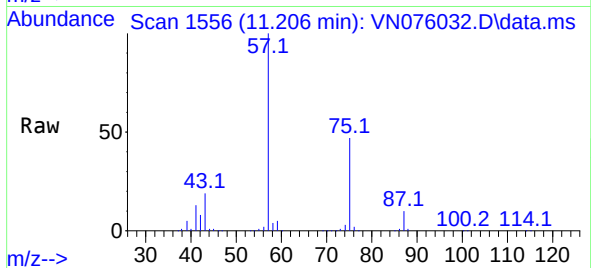
PB149923ZHE#13

Tgt Ion: 76 Resp: 10187

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 53.207 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN076032.D

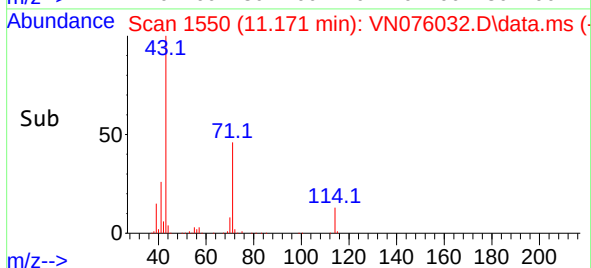
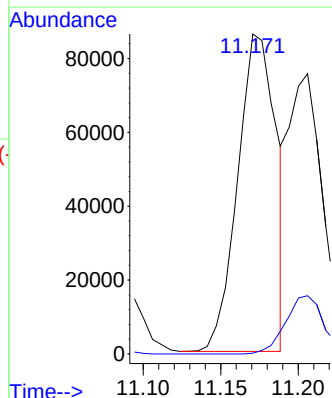
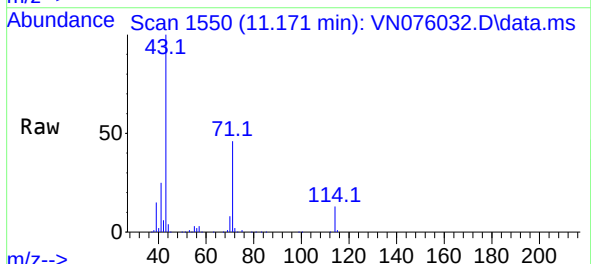
Acq: 29 Dec 2022 04:55

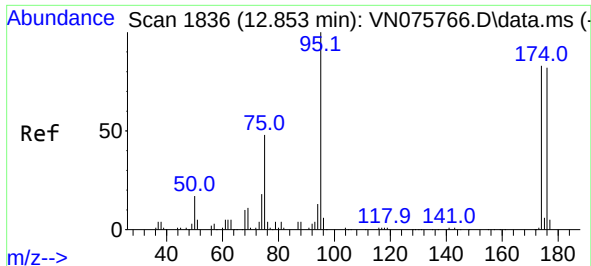
Tgt Ion: 43 Resp: 148605

Ion Ratio Lower Upper

43 100

58 0.0 30.6 92.0#

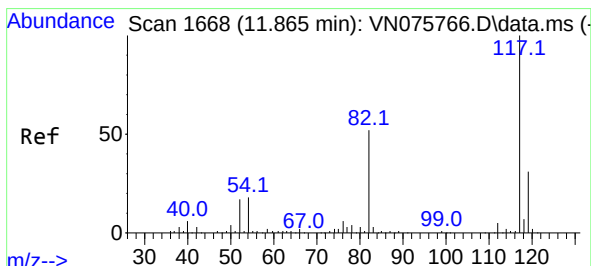
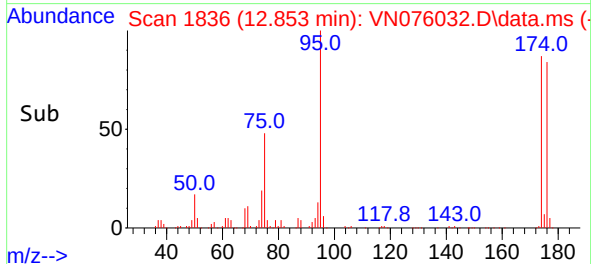
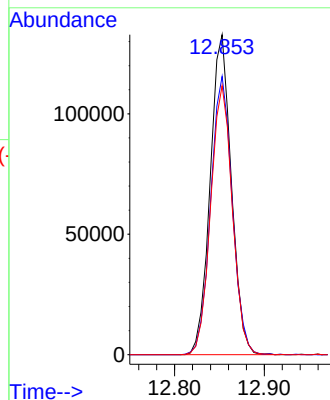
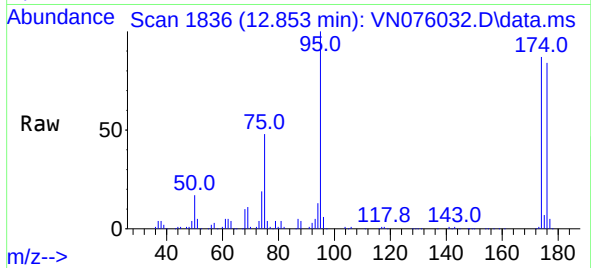




#62
4-Bromofluorobenzene
Concen: 48.821 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

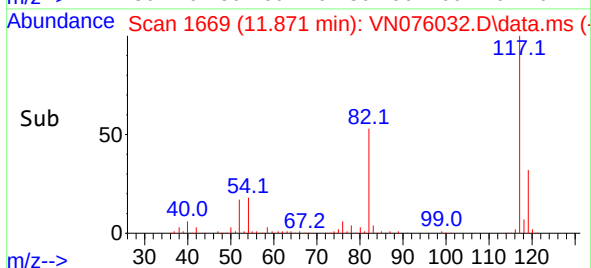
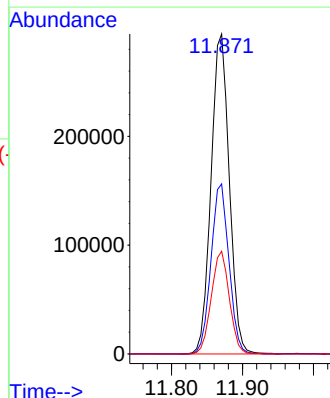
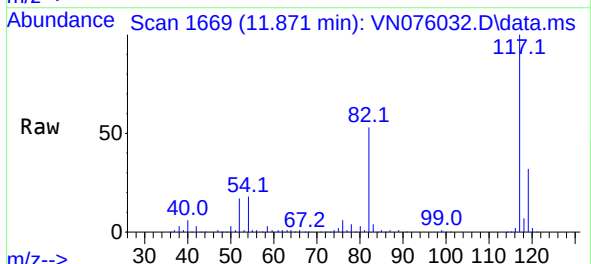
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#13

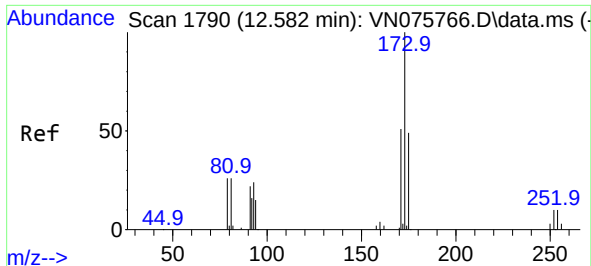
Tgt Ion: 95 Resp: 217520
Ion Ratio Lower Upper
95 100
174 88.6 0.0 171.6
176 85.9 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

Tgt Ion: 117 Resp: 524074
Ion Ratio Lower Upper
117 100
82 53.2 41.3 61.9
119 32.1 24.6 37.0

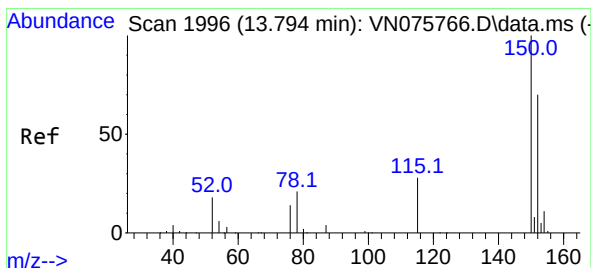
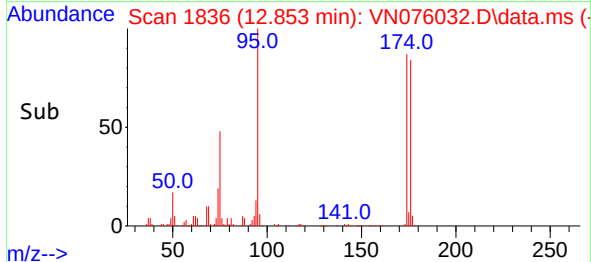
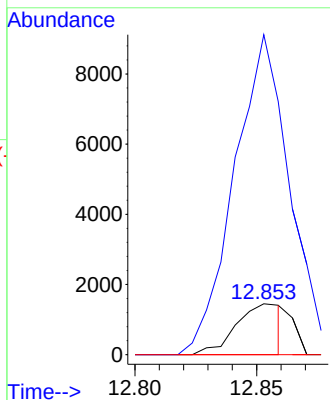
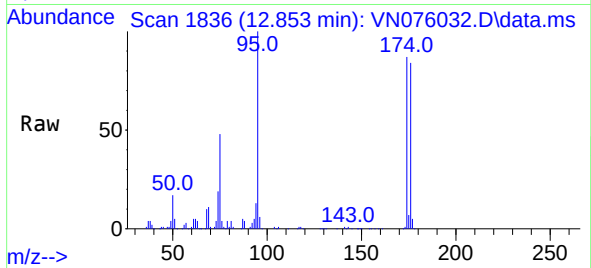




#71
Bromoform
Concen: 0.653 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

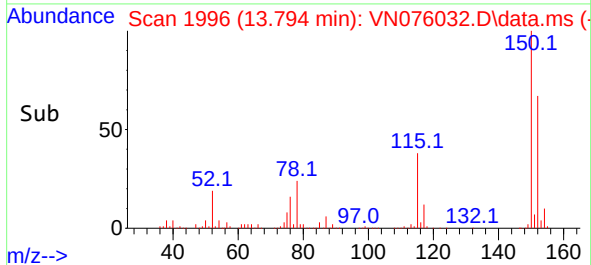
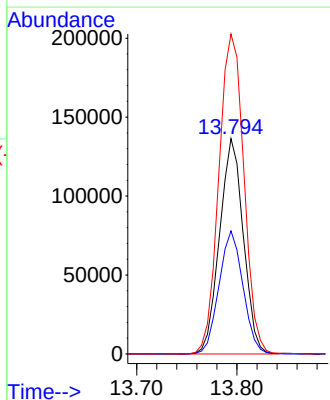
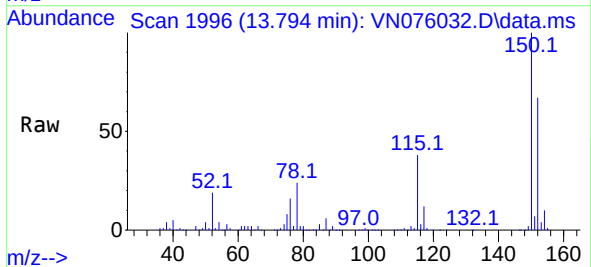
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#13

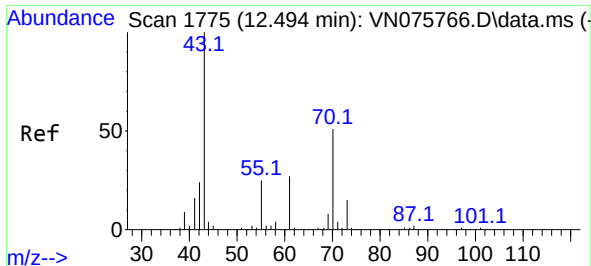
Tgt Ion:173 Resp: 1894
Ion Ratio Lower Upper
173 100
175 620.4 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

Tgt Ion:152 Resp: 224042
Ion Ratio Lower Upper
152 100
115 57.6 29.1 87.4
150 156.6 0.0 347.0

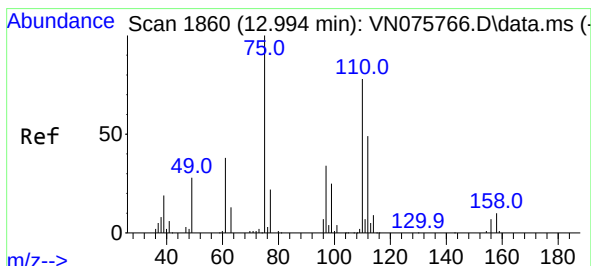
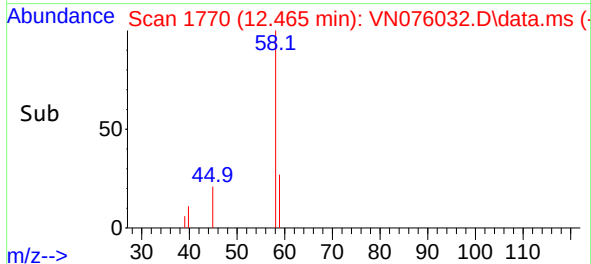
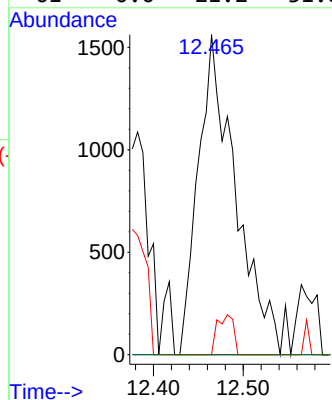
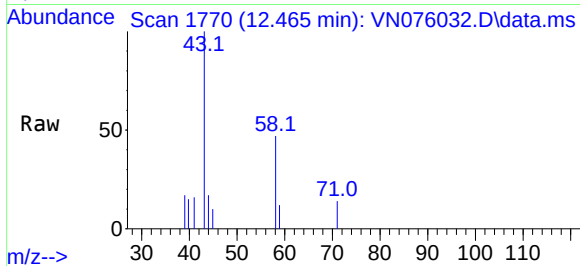




#74
N-amy1 acetate
Concen: 0.950 ug/l
RT: 12.465 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

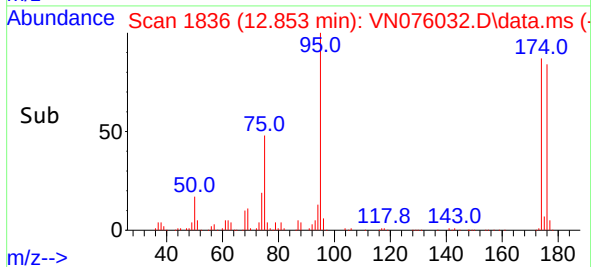
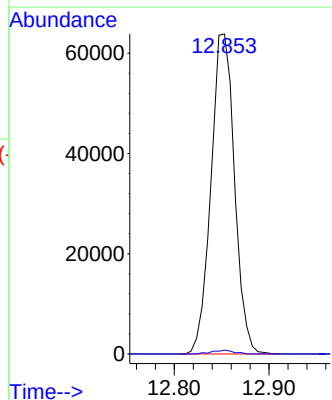
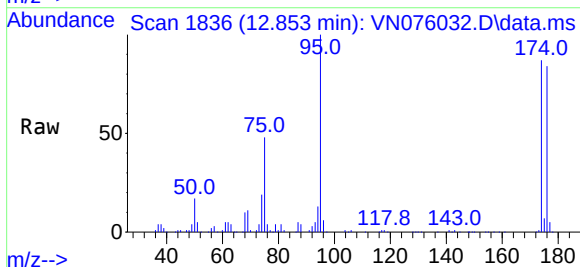
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#13

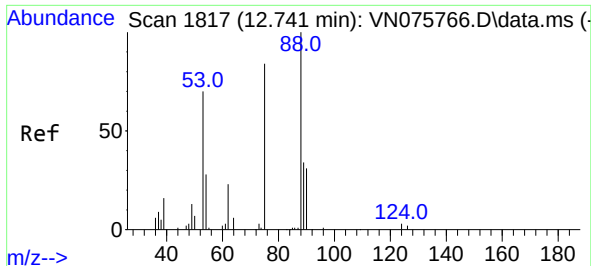
Tgt Ion: 43	Resp: 4511
Ion Ratio	Lower Upper
43	100
70	0.0 41.4 62.0#
55	5.4 21.3 31.9#
61	0.0 21.2 31.8#



#76
1,2,3-Trichloropropane
Concen: 24.388 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

Tgt Ion: 75	Resp: 110138
Ion Ratio	Lower Upper
75	100
77	1.1 82.6 247.8#

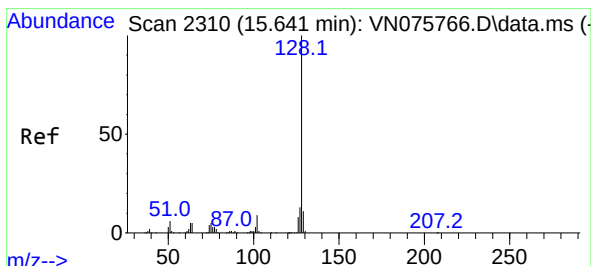
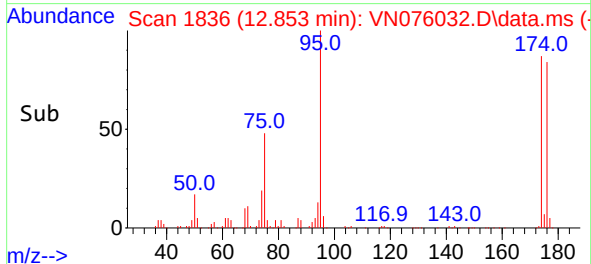
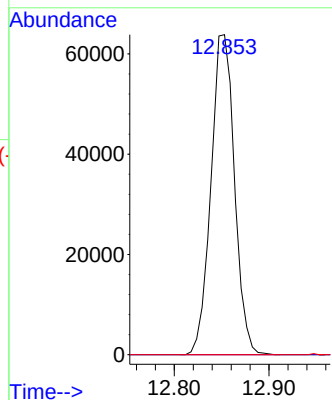
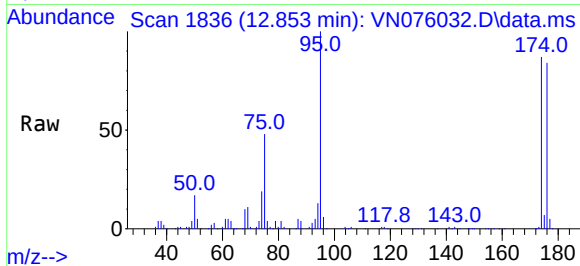




#81
trans-1,4-Dichloro-2-butene
Concen: 87.783 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#13

Tgt Ion: 75 Resp: 110138
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.351 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN076032.D
Acq: 29 Dec 2022 04:55

Tgt Ion:128 Resp: 2208
Ion Ratio Lower Upper
128 100
127 2.8 10.4 15.6#
129 2.8 8.7 13.1#

