

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112322\
 Data File : VN075401.D
 Acq On : 23 Nov 2022 17:11
 Operator : JC\MD
 Sample : PB149245ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149245ZHE#04

Quant Time: Nov 24 06:52:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

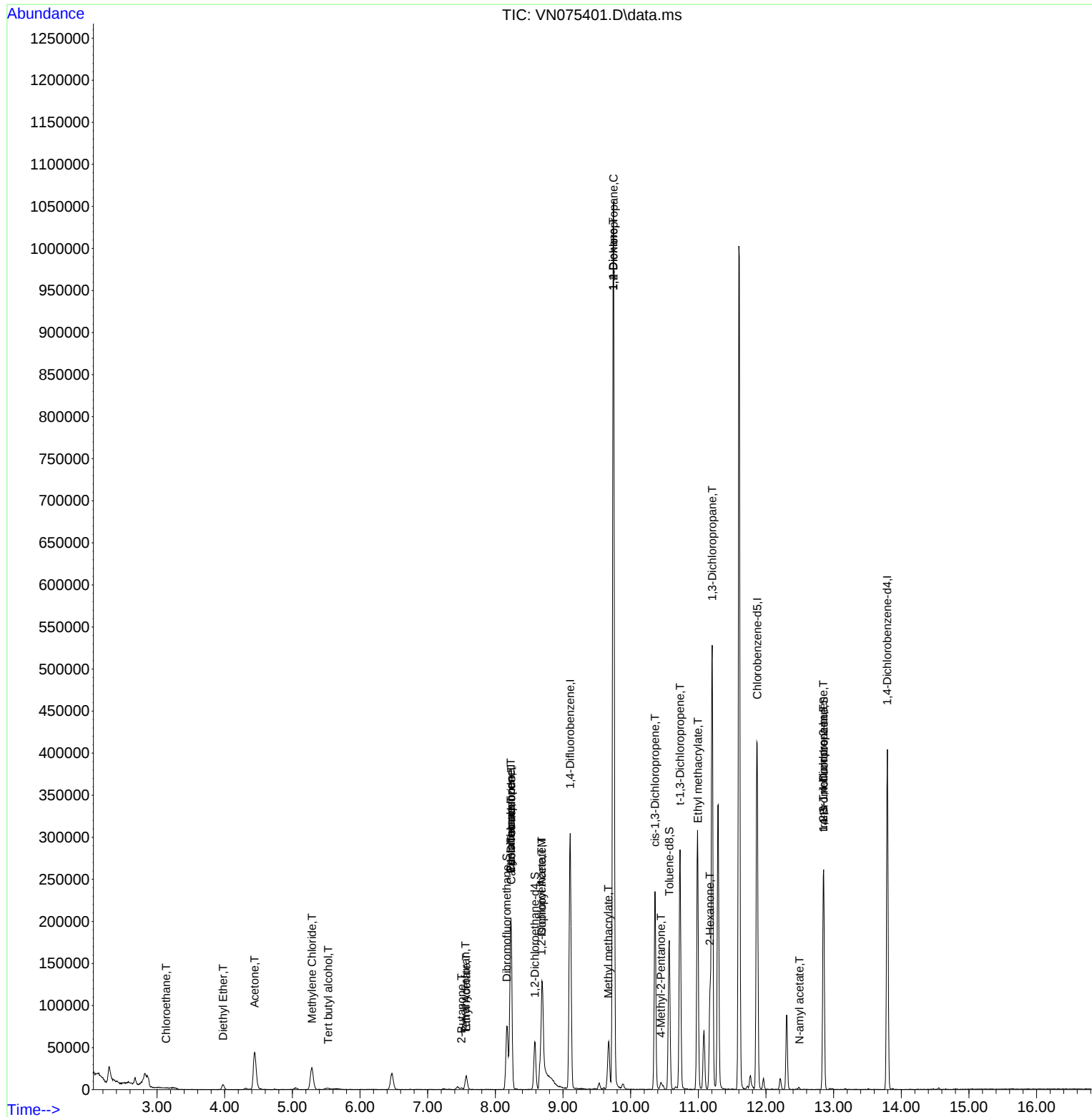
Internal Standards						
1) Pentafluorobenzene	8.230	168	159232	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	284442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	262482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	114081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	46024	53.846	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.700%			
35) Dibromofluoromethane	8.171	113	56247	50.338	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.680%			
50) Toluene-d8	10.571	98	127543	50.680	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.360%			
62) 4-Bromofluorobenzene	12.853	95	92693	49.900	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.800%			
Target Compounds						Qvalue
6) Chloroethane	3.136	64	693	0.479	ug/l #	45
8) Diethyl Ether	3.977	74	3808	3.983	ug/l	96
11) Tert butyl alcohol	5.530	59	1436	4.002	ug/l #	72
16) Acetone	4.442	43	85487	107.226	ug/l	96
18) Methyl Acetate	5.036	43	1876	Below Cal	#	45
20) Methylene Chloride	5.289	84	22508	12.975	ug/l	93
25) 2-Butanone	7.500	43	3550	3.189	ug/l #	77
29) Tetrahydrofuran	7.559	42	1526	2.254	ug/l #	26
31) Cyclohexane	8.230	56	2729	1.005	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	11606	4.763	ug/l #	50
37) Ethyl Acetate	7.571	43	22948	10.459	ug/l	99
38) Carbon Tetrachloride	8.236	117	16480	6.157	ug/l #	15
42) 1,2-Dichloroethane	8.683	62	659	0.264	ug/l #	75
43) Isopropyl Acetate	8.688	43	187933	53.362	ug/l #	77
45) 1,2-Dichloropropane	9.747	63	1422	0.800	ug/l #	42
48) Methyl methacrylate	9.671	41	3020	1.854	ug/l #	34
49) 1,4-Dioxane	9.741	88	89	1.925	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	9124	4.068	ug/l #	69
53) t-1,3-Dichloropropene	10.730	75	735	0.281	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	47462	16.715	ug/l #	61
56) Ethyl methacrylate	10.994	69	733	0.277	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6312	1.977	ug/l #	42
59) 2-Hexanone	11.171	43	87147	51.738	ug/l #	21
74) N-amyl acetate	12.494	43	1488	0.581	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	44977	20.852	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	44977	61.696	ug/l #	10

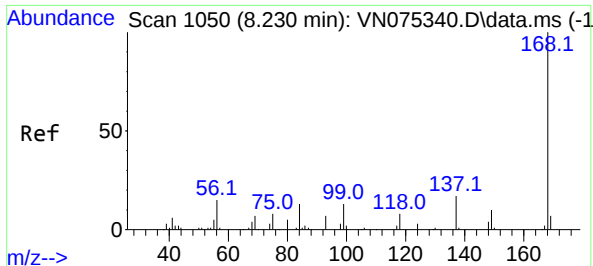
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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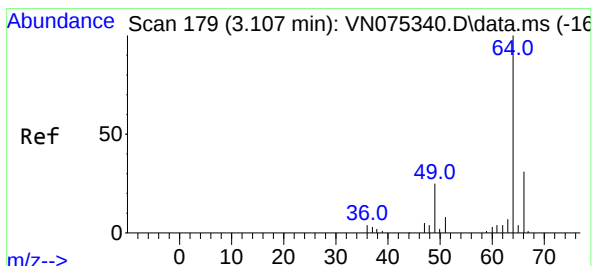
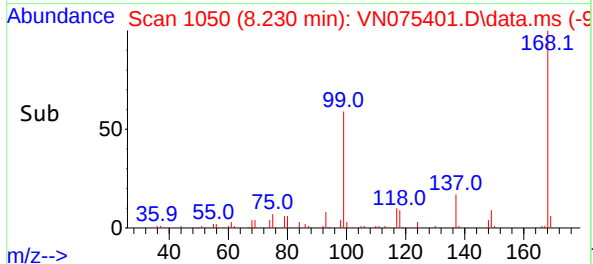
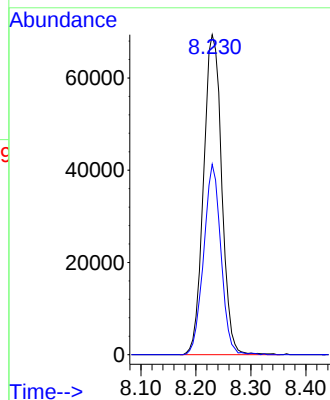
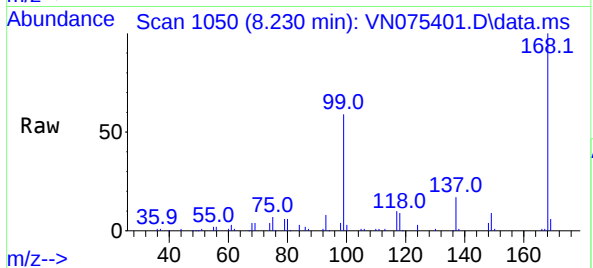




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

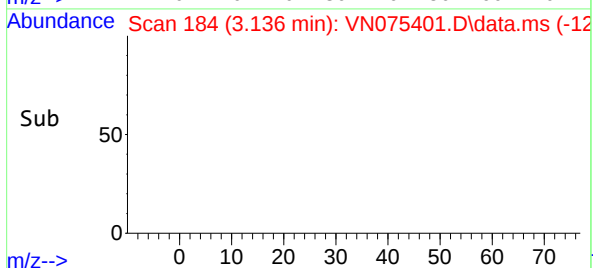
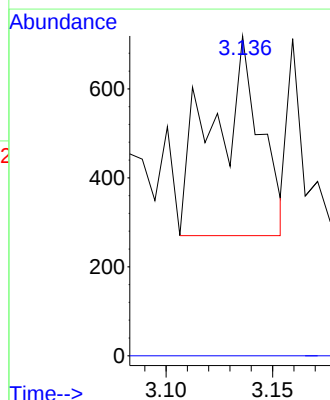
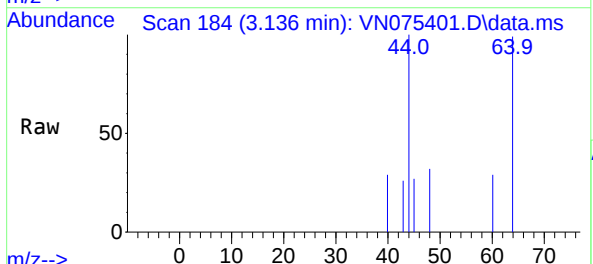
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#04

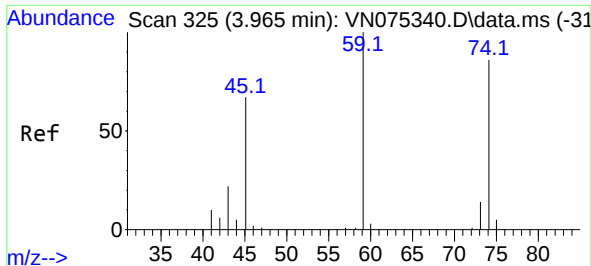
Tgt Ion:168 Resp: 159232
Ion Ratio Lower Upper
168 100
99 59.5 51.6 77.4



#6
Chloroethane
Concen: 0.479 ug/l
RT: 3.136 min Scan# 184
Delta R.T. 0.029 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

Tgt Ion: 64 Resp: 693
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

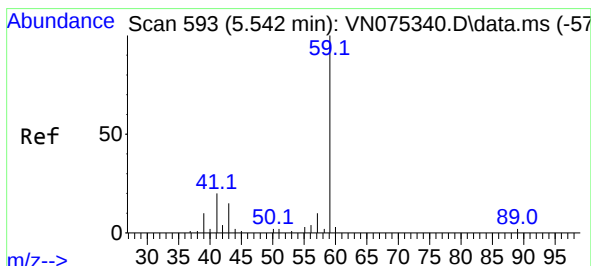
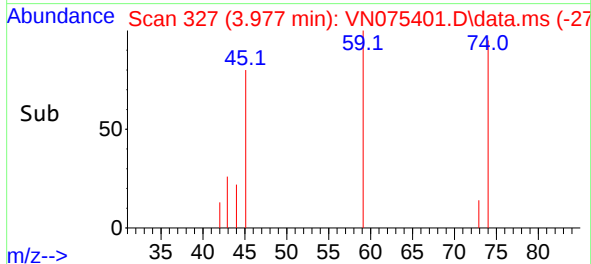
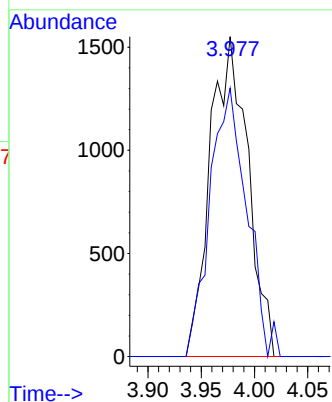
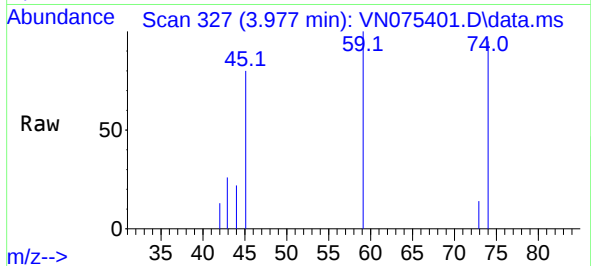




#8
Diethyl Ether
Concen: 3.983 ug/l
RT: 3.977 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

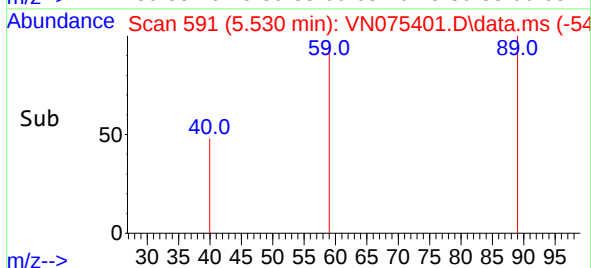
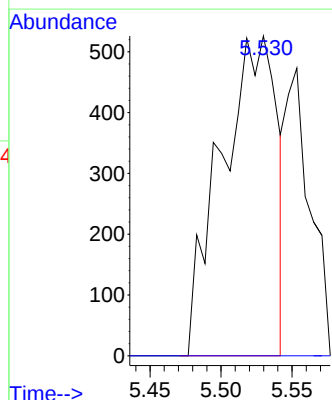
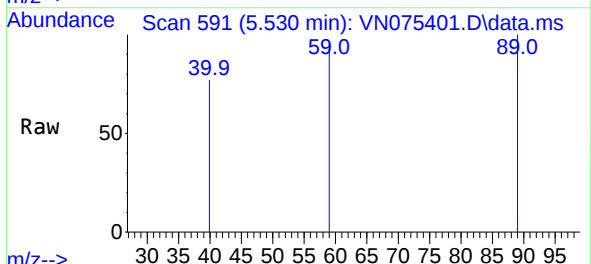
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#04

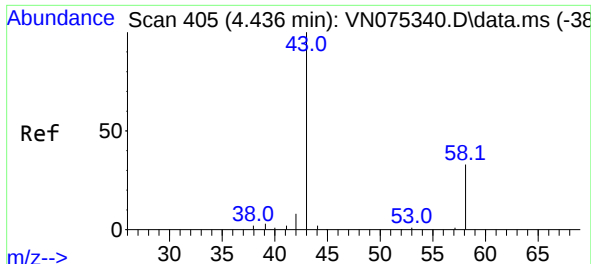
Tgt Ion: 74 Resp: 3808
Ion Ratio Lower Upper
74 100
45 82.2 39.3 117.9



#11
Tert butyl alcohol
Concen: 4.002 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.012 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

Tgt Ion: 59 Resp: 1436
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

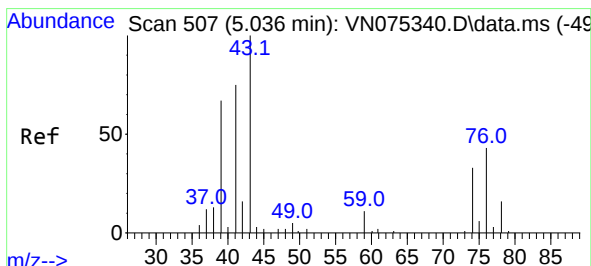
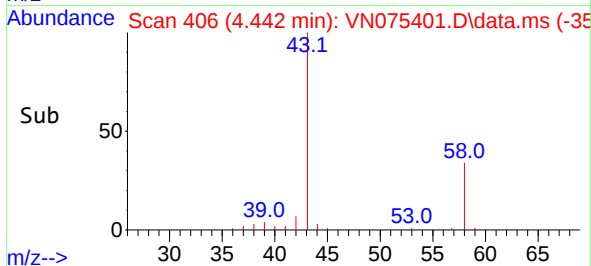
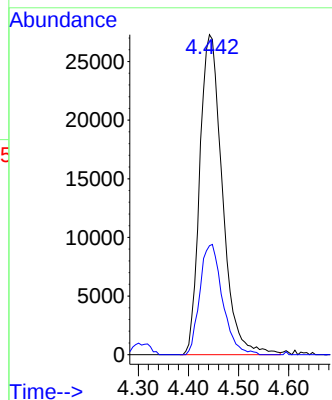
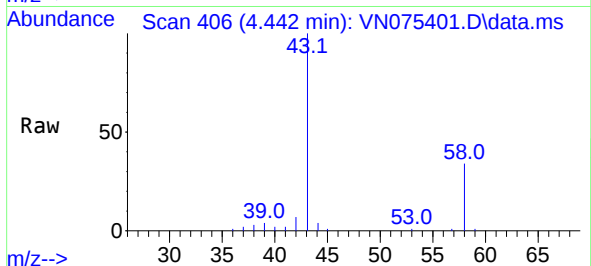




#16
Acetone
Concen: 107.226 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

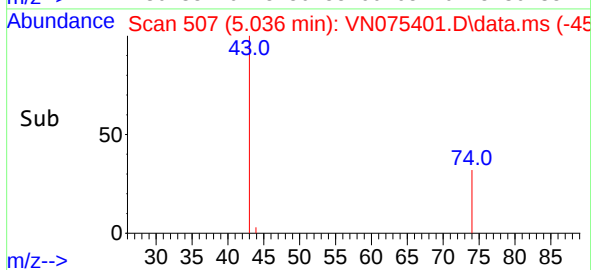
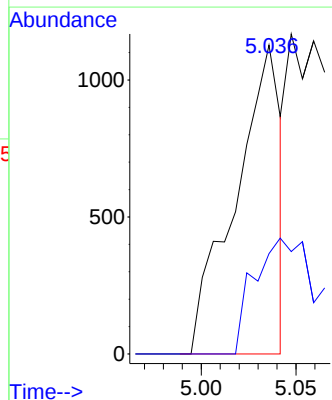
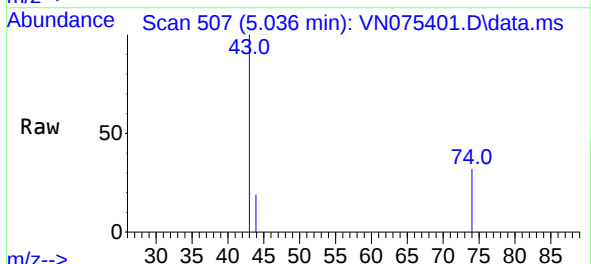
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#04

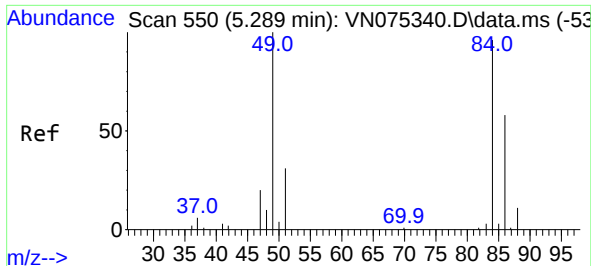
Tgt Ion: 43 Resp: 85487
Ion Ratio Lower Upper
43 100
58 34.1 25.5 38.3



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 507
Delta R.T. -0.000 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

Tgt Ion: 43 Resp: 1876
Ion Ratio Lower Upper
43 100
74 56.3 22.0 33.0#



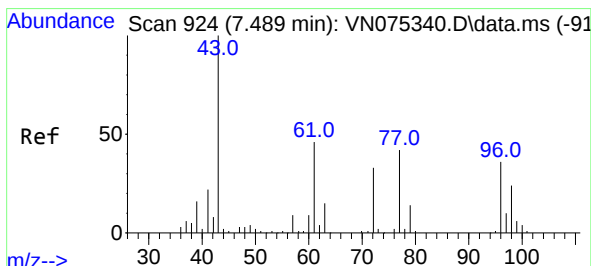
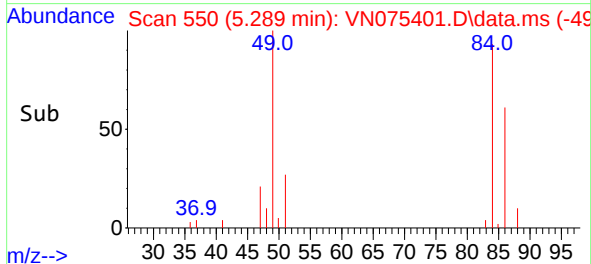
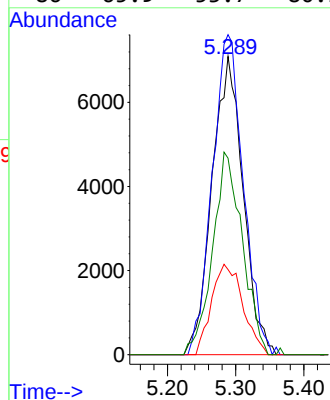
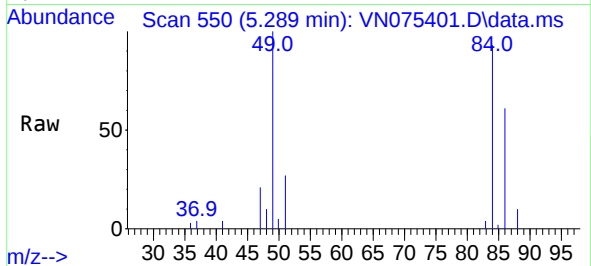


#20
Methylene Chloride
Concen: 12.975 ug/l
RT: 5.289 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#04

Tgt Ion: 84 Resp: 22508

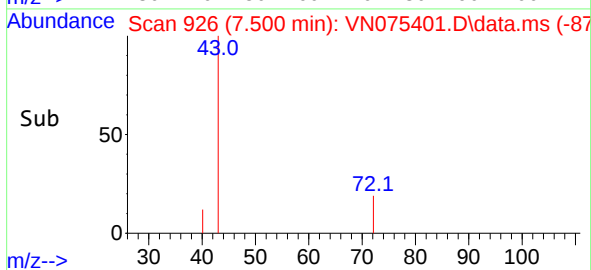
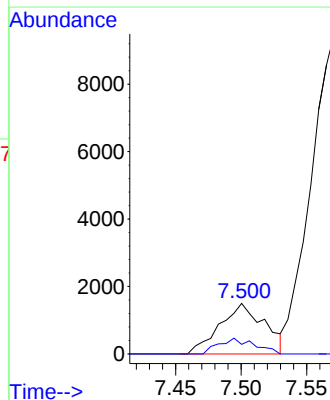
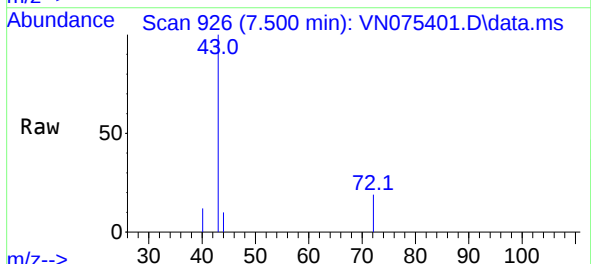
Ion	Ratio	Lower	Upper
84	100		
49	107.3	94.9	142.3
51	28.6	26.8	40.2
86	65.9	53.7	80.5

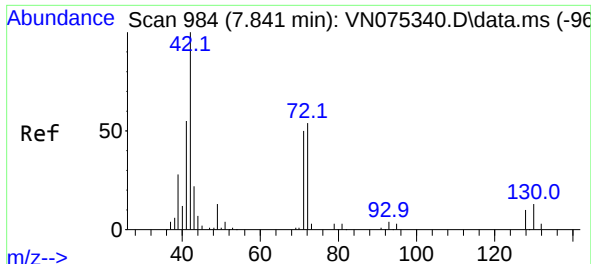


#25
2-Butanone
Concen: 3.189 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.011 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

Tgt Ion: 43 Resp: 3550

Ion	Ratio	Lower	Upper
43	100		
72	18.9	25.5	38.3#

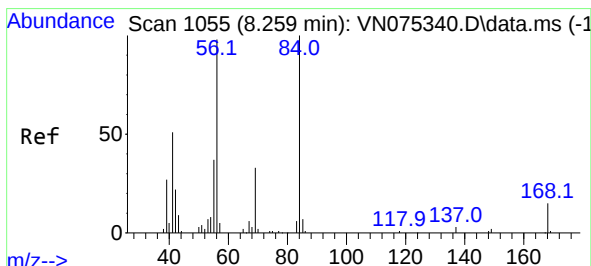
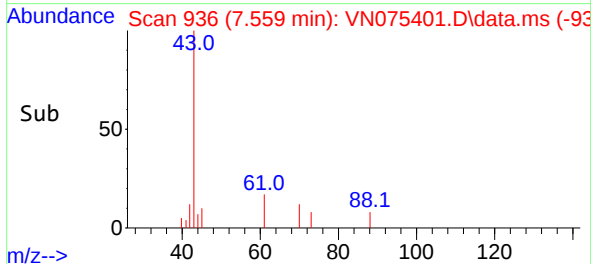
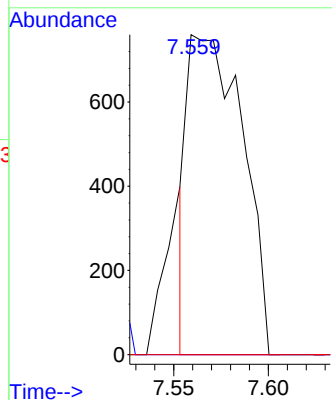
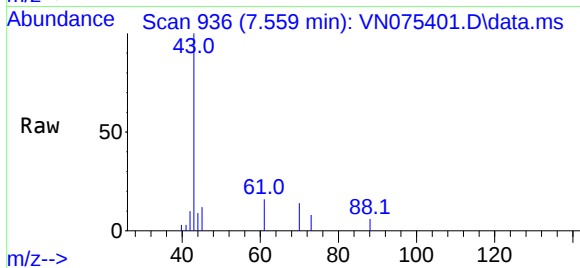




#29
Tetrahydrofuran
Concen: 2.254 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.282 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

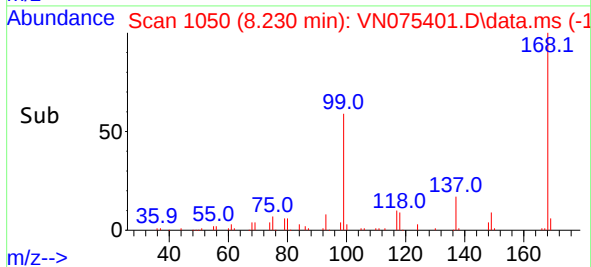
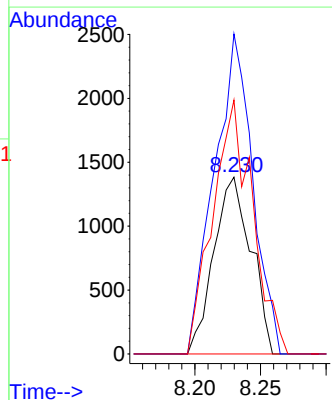
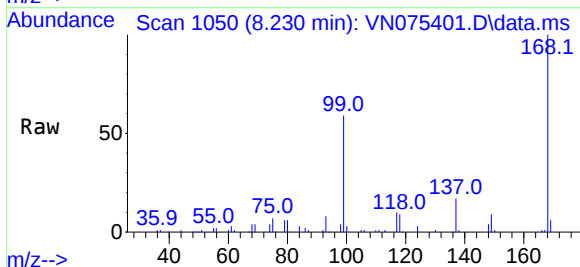
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#04

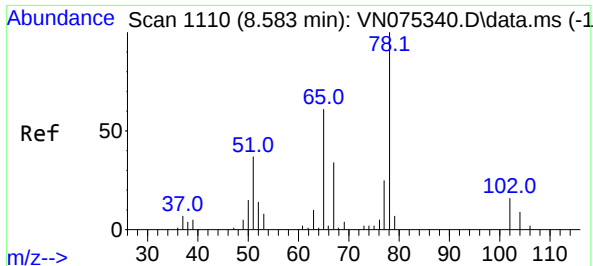
Tgt Ion: 42 Resp: 1526
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#



#31
Cyclohexane
Concen: 1.005 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

Tgt Ion: 56 Resp: 2729
Ion Ratio Lower Upper
56 100
69 181.1 25.2 37.8#
84 143.7 77.8 116.8#

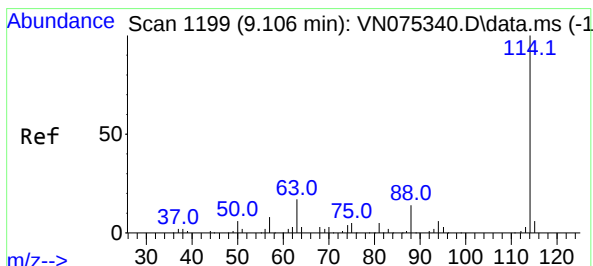
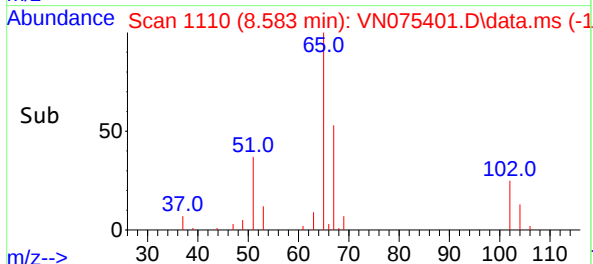
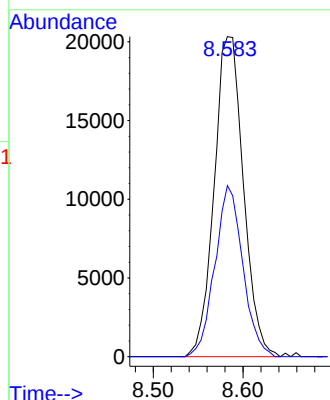
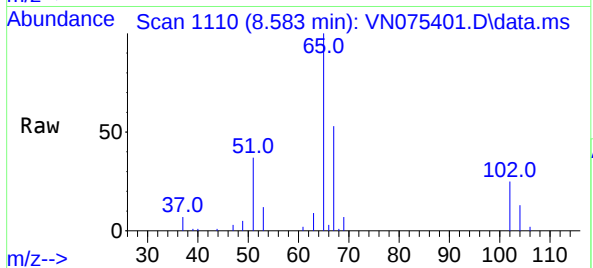




#33
1,2-Dichloroethane-d4
Concen: 53.846 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

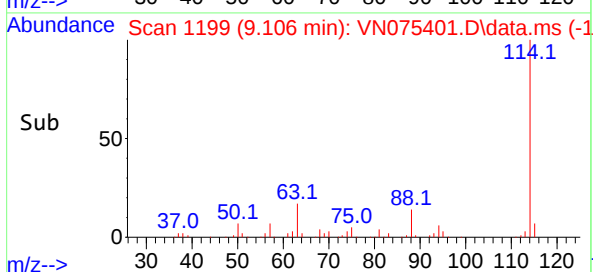
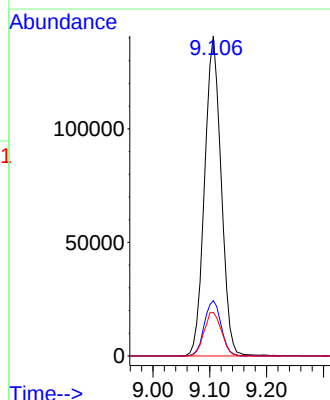
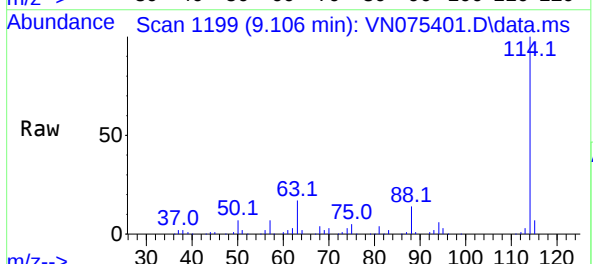
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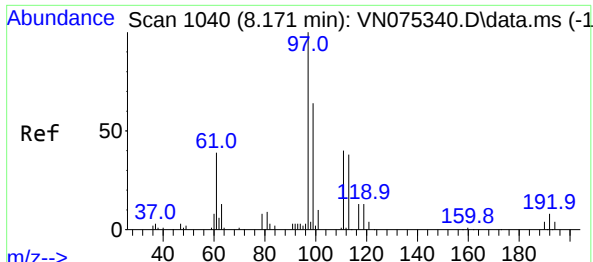
Tgt Ion: 65 Resp: 46024
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

Tgt Ion: 114 Resp: 284442
Ion Ratio Lower Upper
114 100
63 17.3 0.0 39.6
88 13.5 0.0 29.0

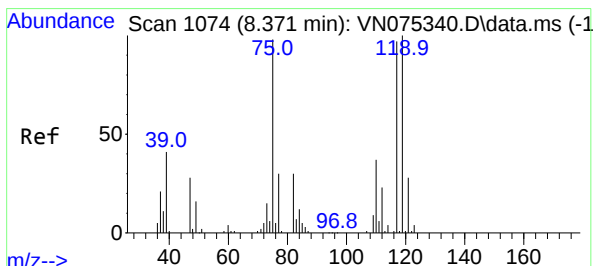
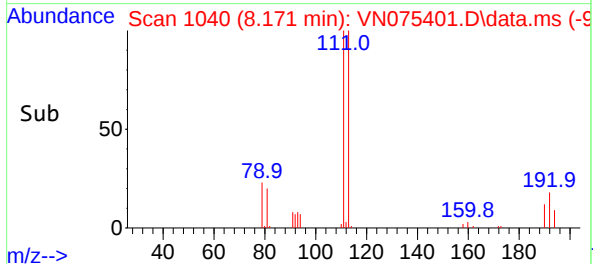
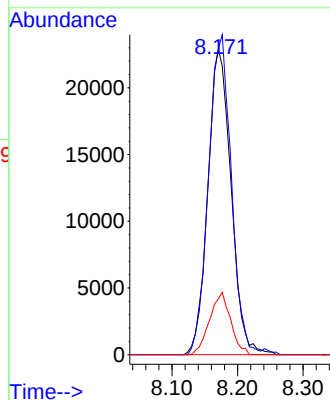
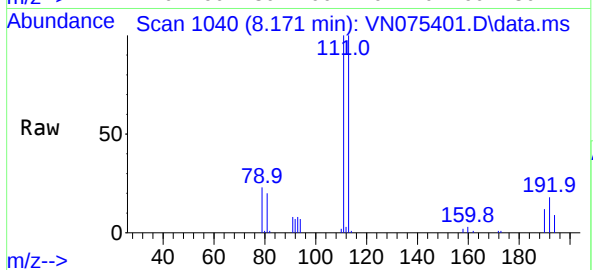




#35
Dibromofluoromethane
Concen: 50.338 ug/l
RT: 8.171 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

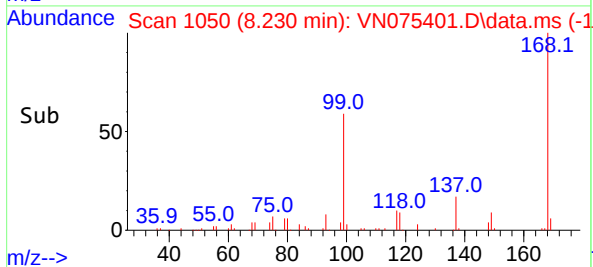
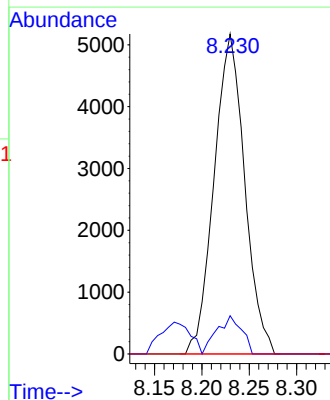
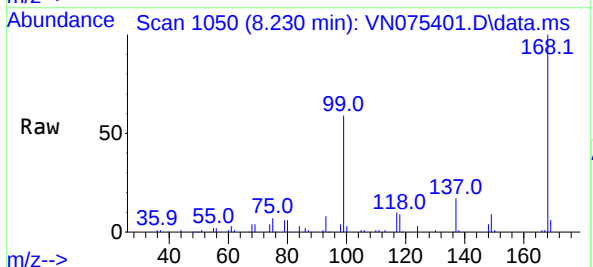
Instrument :
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PB149245ZHE#04

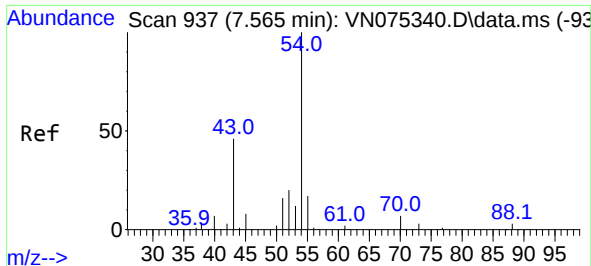
Tgt Ion:113 Resp: 56247
Ion Ratio Lower Upper
113 100
111 102.7 80.5 120.7
192 18.5 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.763 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

Tgt Ion: 75 Resp: 11606
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.3#
77 0.0 24.6 37.0#

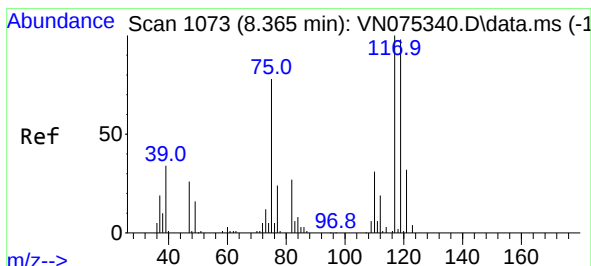
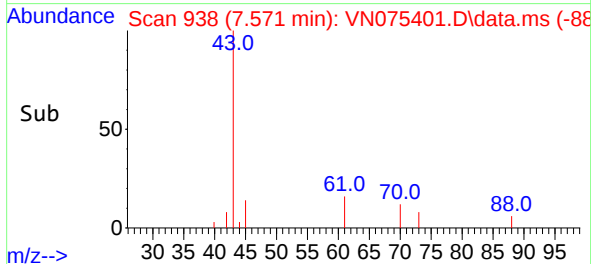
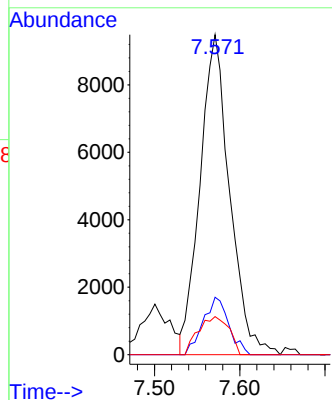
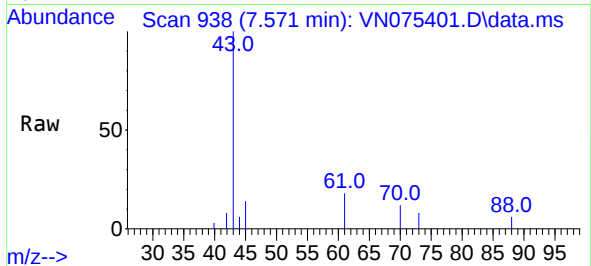




#37
Ethyl Acetate
Concen: 10.459 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

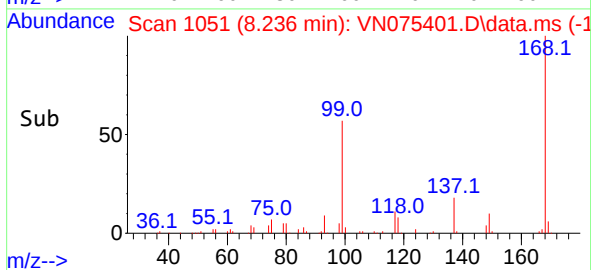
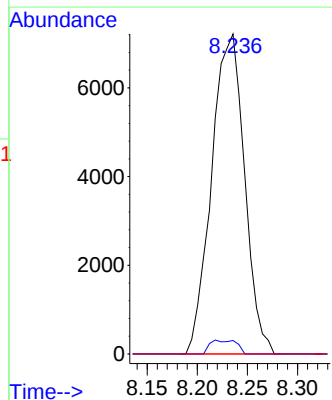
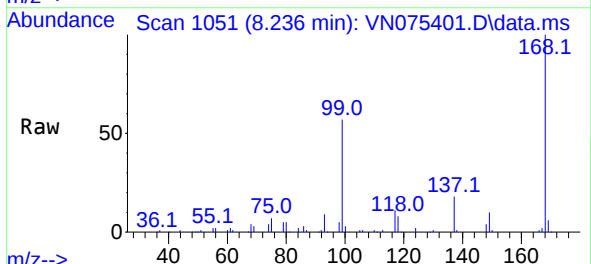
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#04

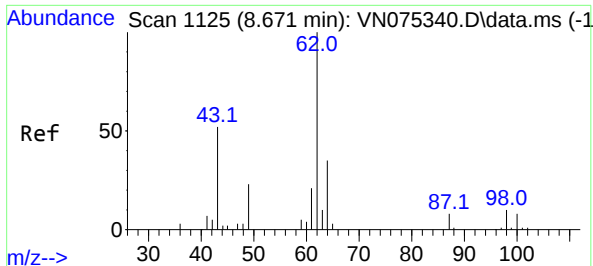
Tgt Ion:	43	Resp:	22948
Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.2	18.4
70	12.3	9.4	14.2



#38
Carbon Tetrachloride
Concen: 6.157 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

Tgt Ion:	117	Resp:	16480
Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.7	115.1#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.264 ug/l

RT: 8.683 min Scan# 1127

Delta R.T. 0.012 min

Lab File: VN075401.D

Acq: 23 Nov 2022 17:11

Instrument :

MSVOA_N

ClientSampleId :

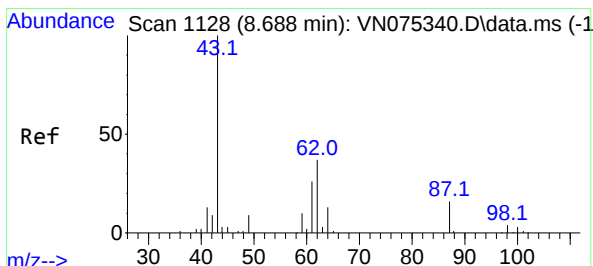
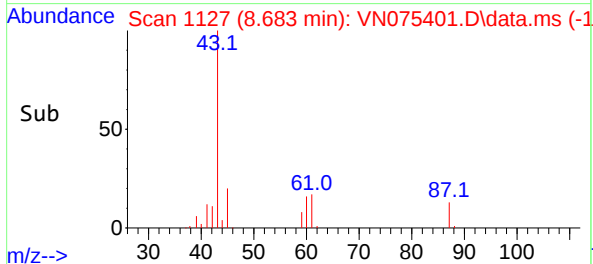
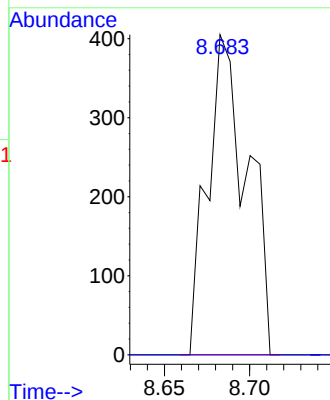
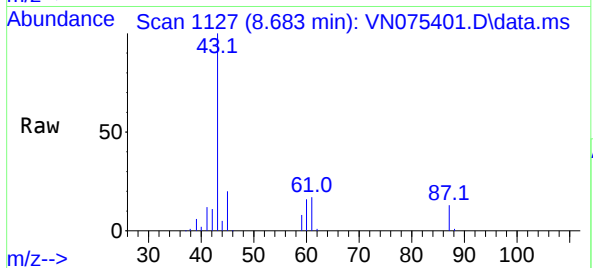
PB149245ZHE#04

Tgt Ion: 62 Resp: 659

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 53.362 ug/l

RT: 8.688 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VN075401.D

Acq: 23 Nov 2022 17:11

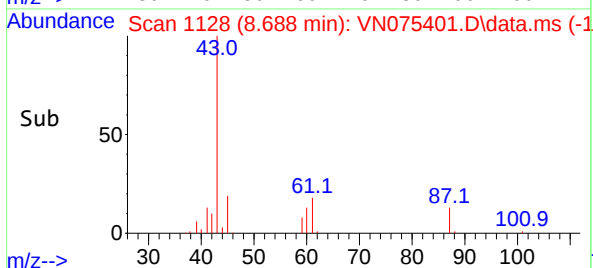
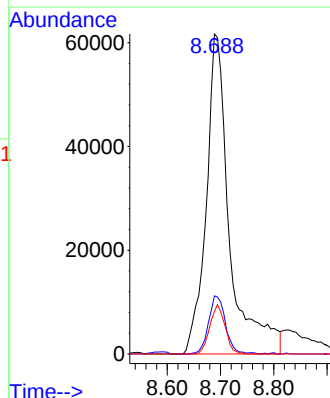
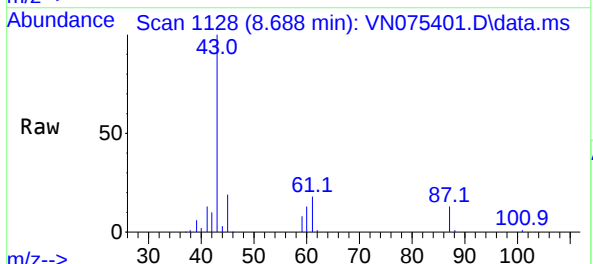
Tgt Ion: 43 Resp: 187933

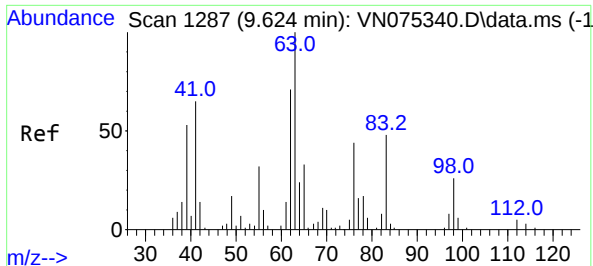
Ion Ratio Lower Upper

43 100

61 13.2 22.4 33.6#

87 10.0 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 0.800 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN075401.D

Acq: 23 Nov 2022 17:11

Instrument :

MSVOA_N

ClientSampleId :

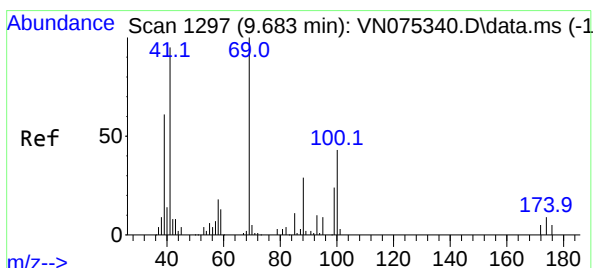
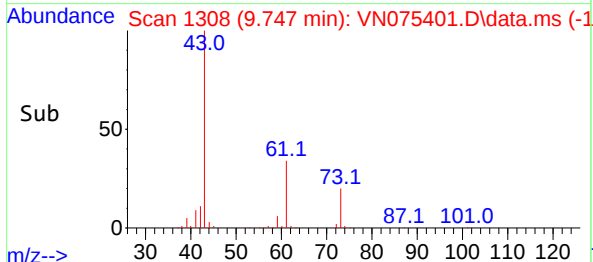
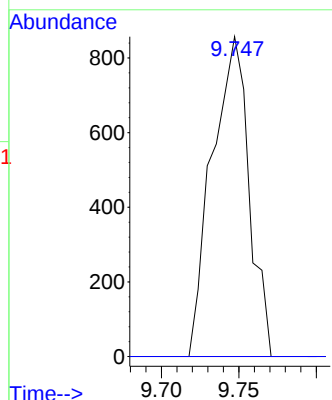
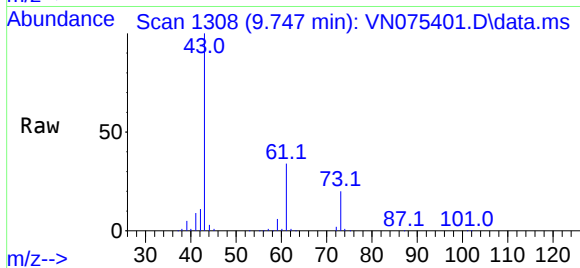
PB149245ZHE#04

Tgt Ion: 63 Resp: 1422

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.854 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.012 min

Lab File: VN075401.D

Acq: 23 Nov 2022 17:11

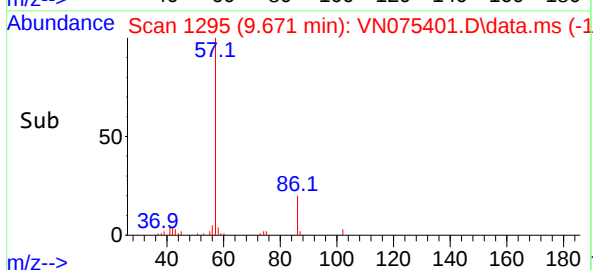
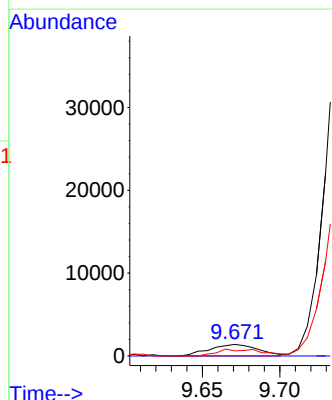
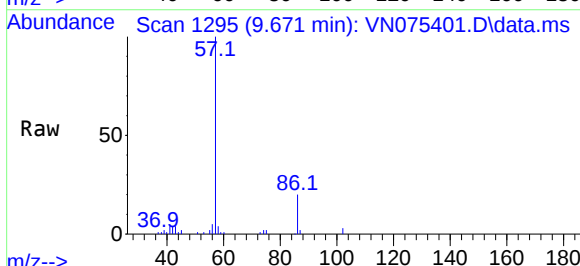
Tgt Ion: 41 Resp: 3020

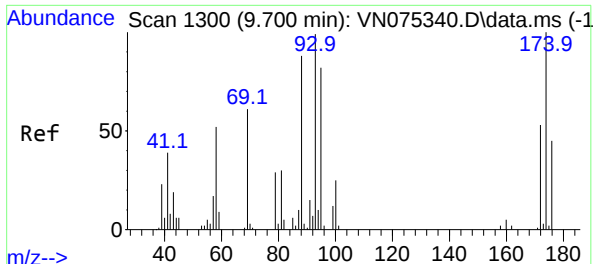
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 55.6 56.2 84.2#

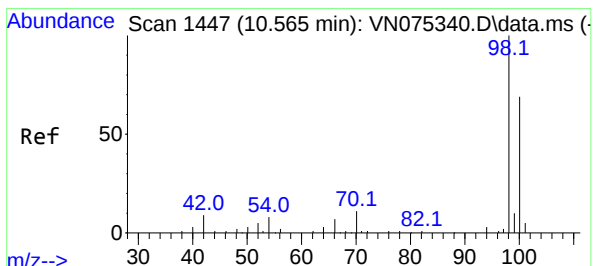
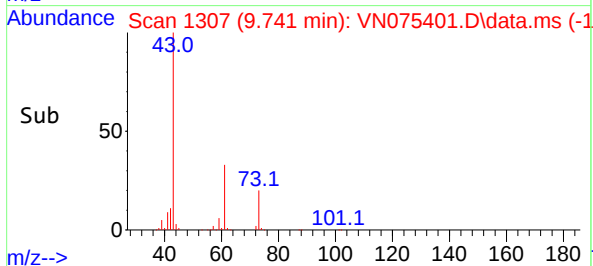
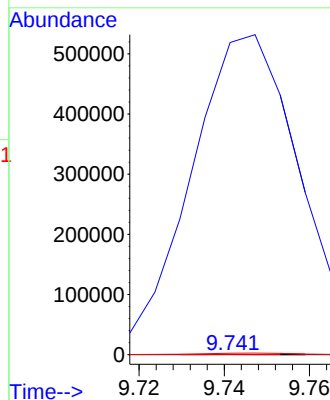
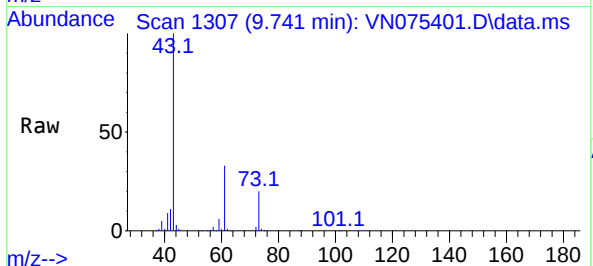




#49
1,4-Dioxane
Concen: 1.925 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

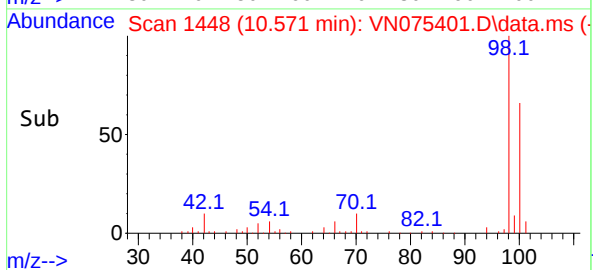
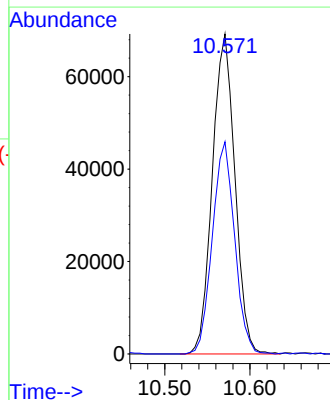
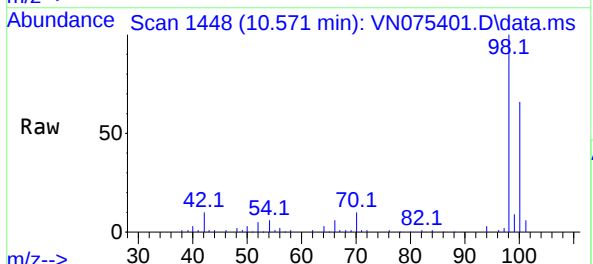
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#04

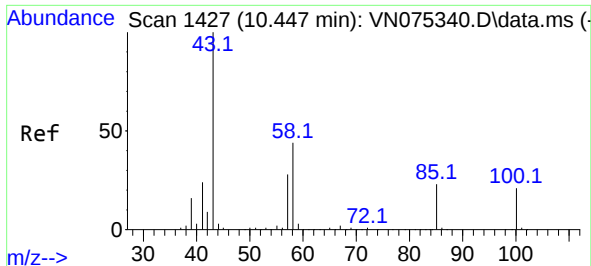
Tgt Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
43 1095460.7 17.5 26.3#
58 4910.1 49.8 74.8#



#50
Toluene-d8
Concen: 50.680 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

Tgt Ion: 98 Resp: 127543
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6

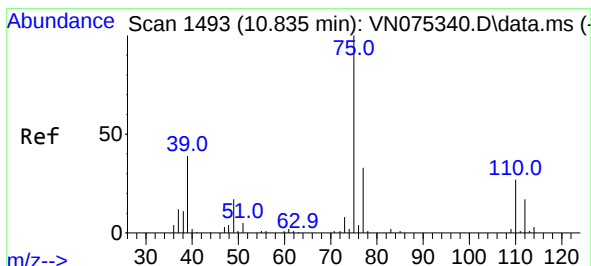
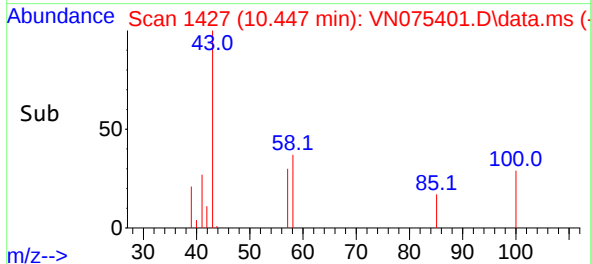
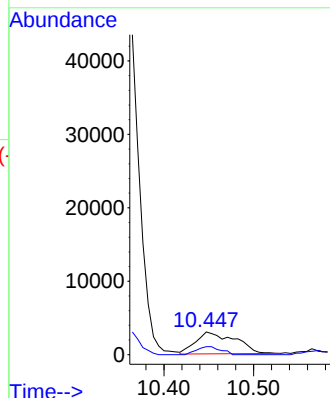
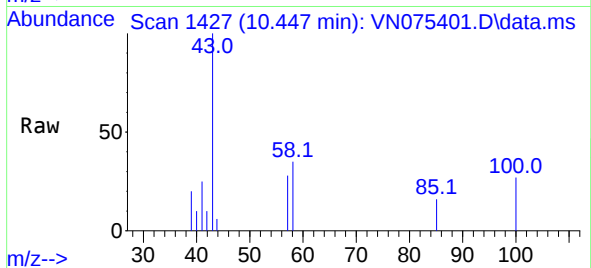




#51
4-Methyl-2-Pentanone
Concen: 4.068 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

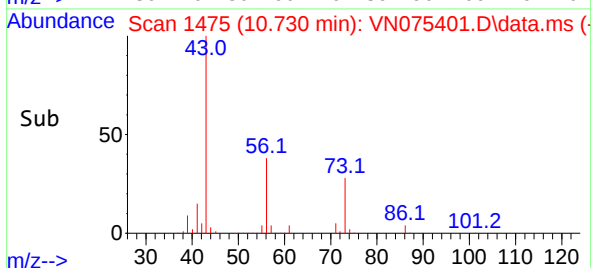
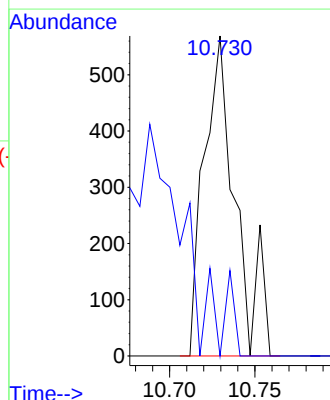
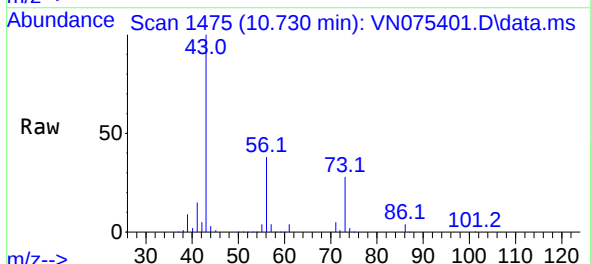
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#04

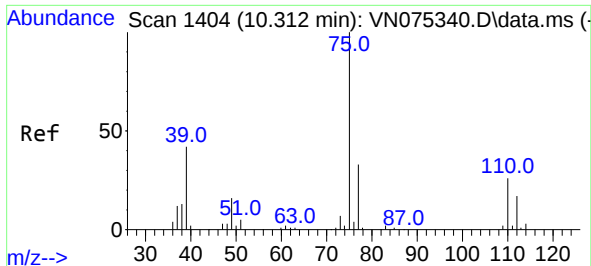
Tgt Ion: 43 Resp: 9124
Ion Ratio Lower Upper
43 100
58 22.3 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.281 ug/l
RT: 10.730 min Scan# 1475
Delta R.T. -0.105 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

Tgt Ion: 75 Resp: 735
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

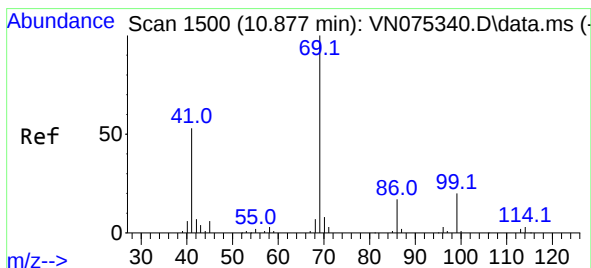
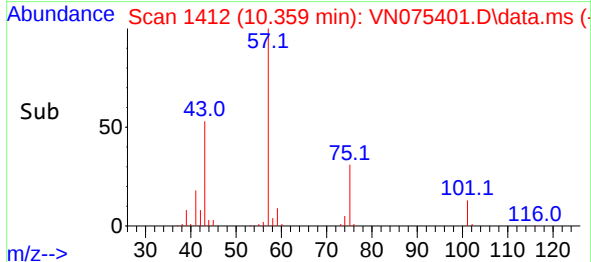
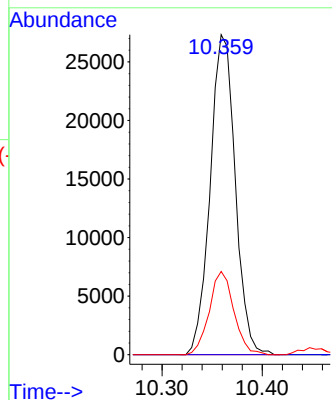
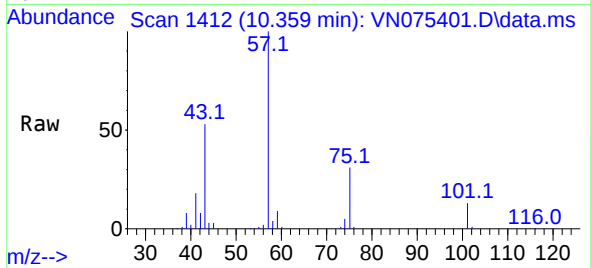




#54
cis-1,3-Dichloropropene
Concen: 16.715 ug/l
RT: 10.359 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

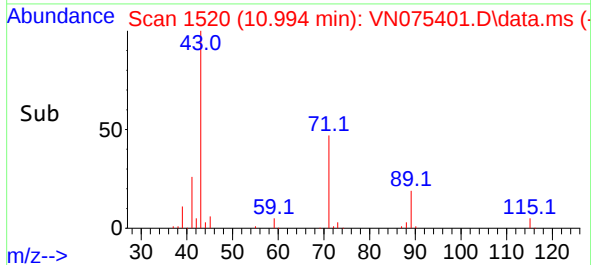
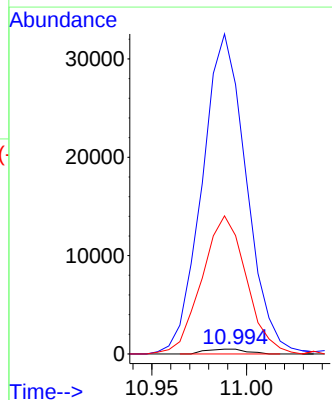
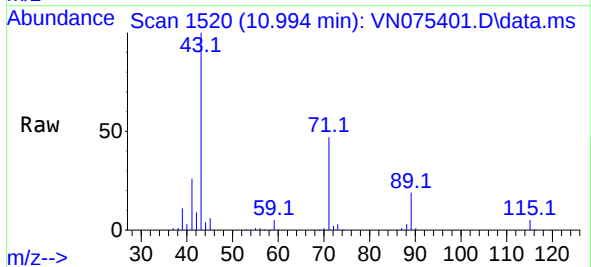
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#04

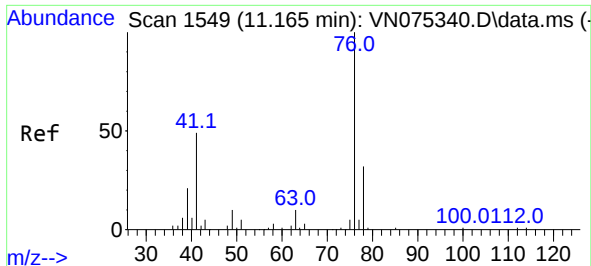
Tgt Ion: 75 Resp: 47462
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 26.0 35.8 53.6#



#56
Ethyl methacrylate
Concen: 0.277 ug/l
RT: 10.994 min Scan# 1520
Delta R.T. 0.117 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

Tgt Ion: 69 Resp: 733
Ion Ratio Lower Upper
69 100
41 7289.2 45.6 68.4#
39 3135.9 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.977 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN075401.D

Acq: 23 Nov 2022 17:11

Instrument :

MSVOA_N

ClientSampleId :

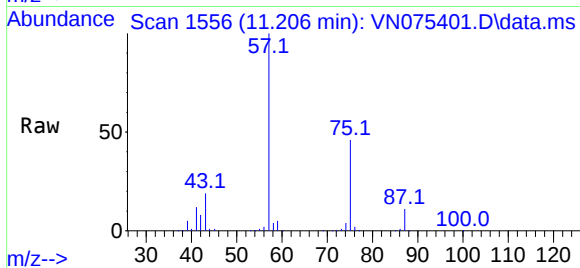
PB149245ZHE#04

Tgt Ion: 76 Resp: 6312

Ion Ratio Lower Upper

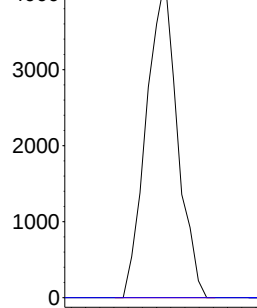
76 100

78 0.0 25.8 38.6#

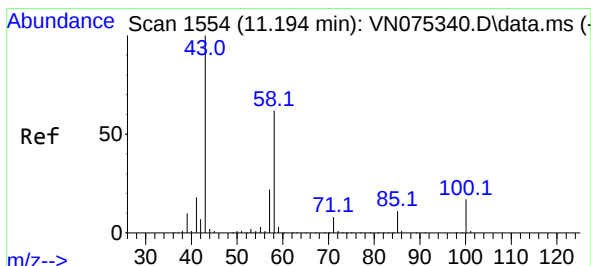
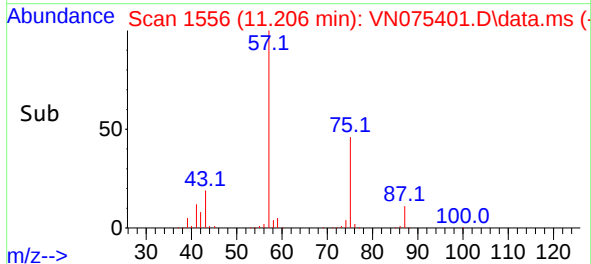


Abundance

11.206



Time-->



#59

2-Hexanone

Concen: 51.738 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.023 min

Lab File: VN075401.D

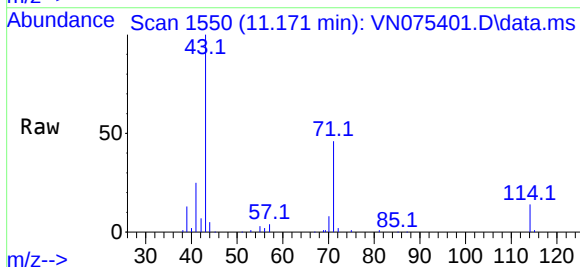
Acq: 23 Nov 2022 17:11

Tgt Ion: 43 Resp: 87147

Ion Ratio Lower Upper

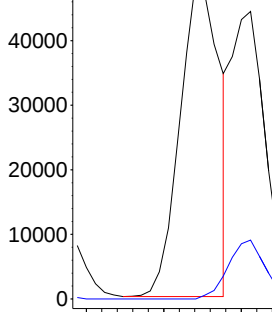
43 100

58 0.0 29.6 88.8#

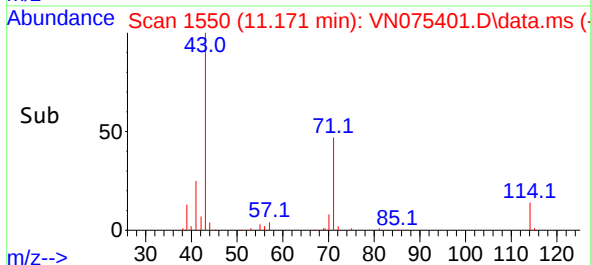


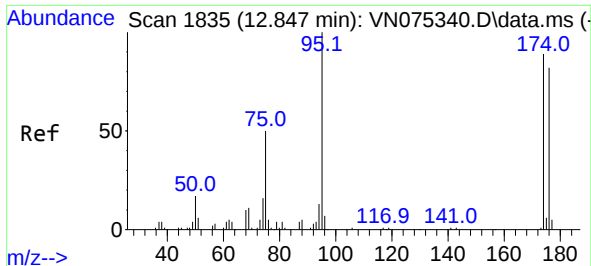
Abundance

11.171



Time-->

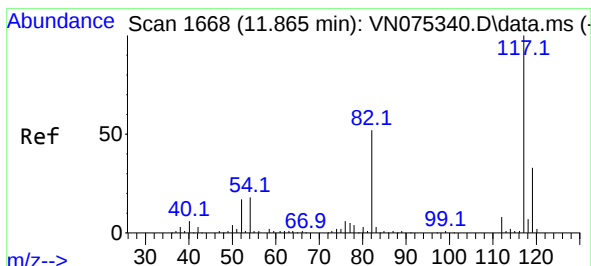
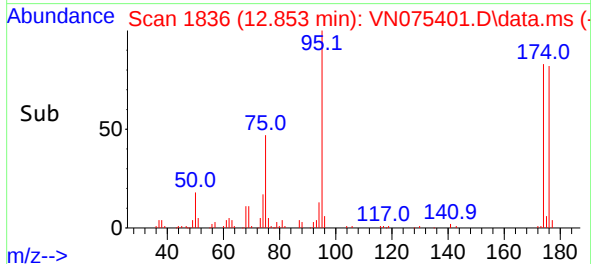
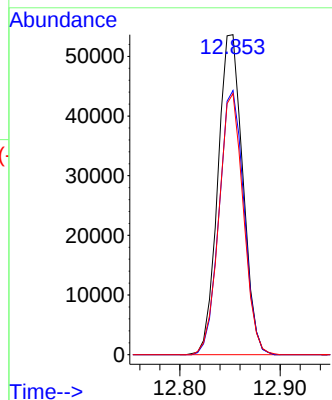
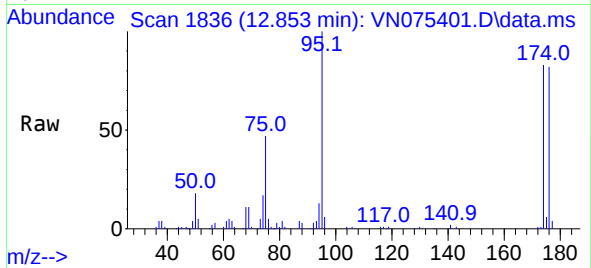




#62
4-Bromofluorobenzene
Concen: 49.900 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

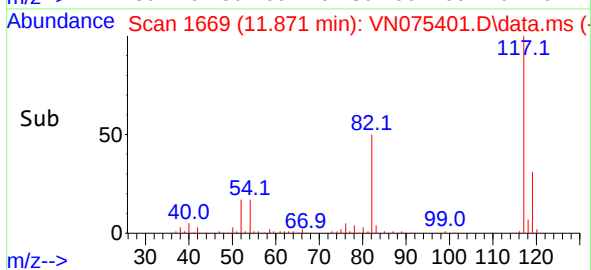
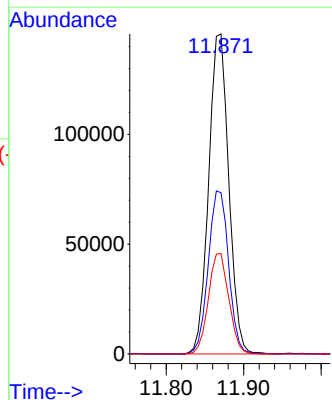
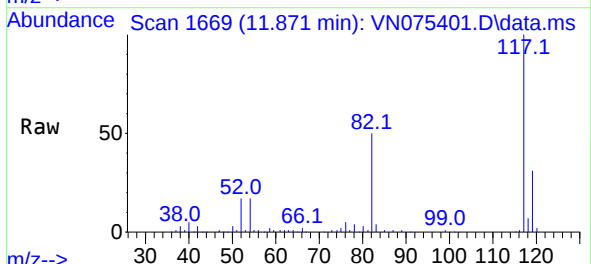
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#04

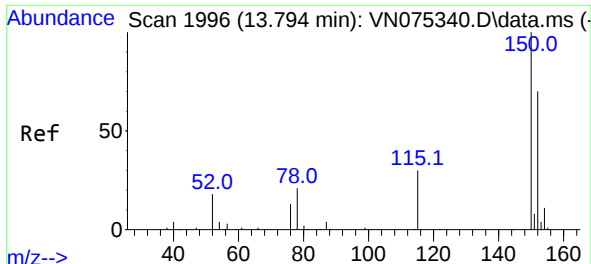
Tgt Ion: 95 Resp: 92693
Ion Ratio Lower Upper
95 100
174 81.6 0.0 147.4
176 79.7 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

Tgt Ion: 117 Resp: 262482
Ion Ratio Lower Upper
117 100
82 50.4 43.1 64.7
119 31.4 25.5 38.3

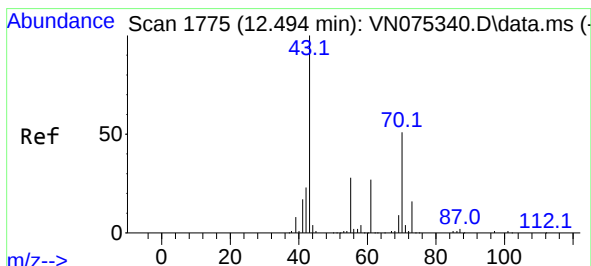
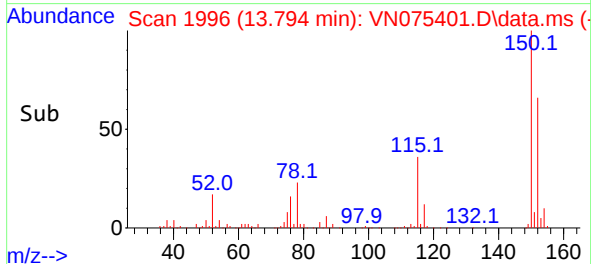
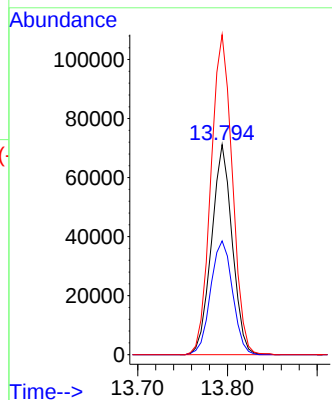
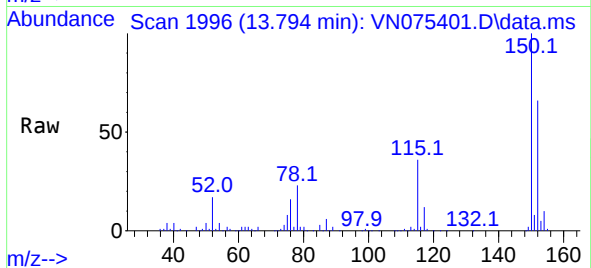




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

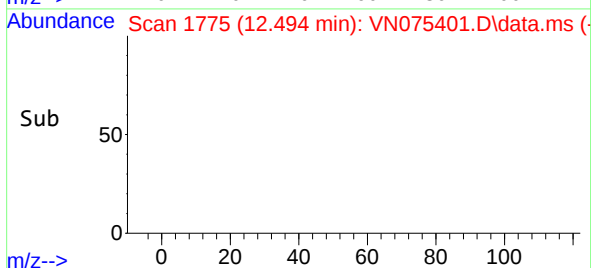
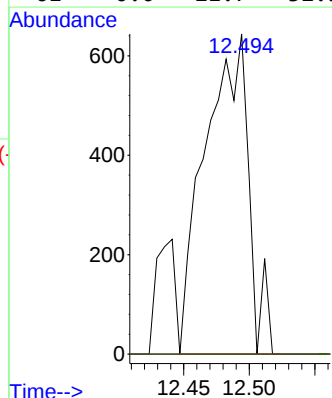
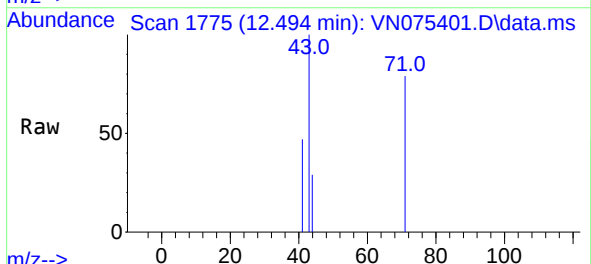
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#04

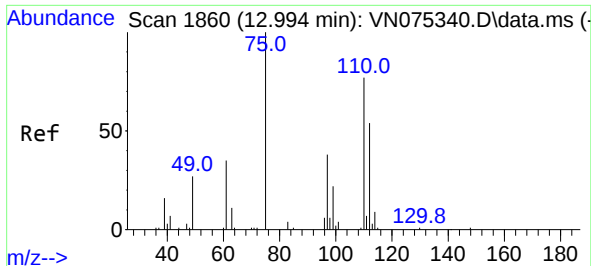
Tgt Ion:152 Resp: 114081
Ion Ratio Lower Upper
152 100
115 57.4 30.2 90.6
150 157.6 0.0 348.4



#74
N-ethyl acetate
Concen: 0.581 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

Tgt Ion: 43 Resp: 1488
Ion Ratio Lower Upper
43 100
70 0.0 39.8 59.8#
55 0.0 19.9 29.9#
61 0.0 21.7 32.5#

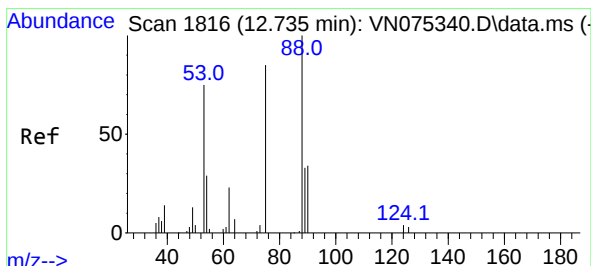
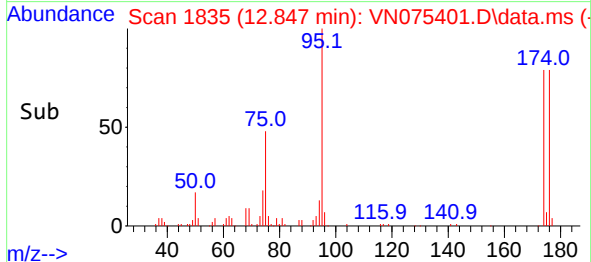
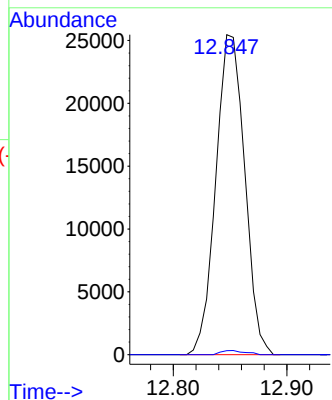
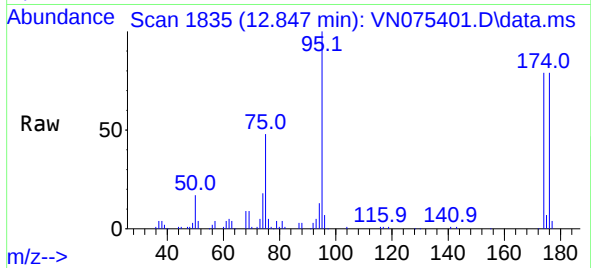




#76
1,2,3-Trichloropropane
Concen: 20.852 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#04

Tgt Ion: 75 Resp: 44977
Ion Ratio Lower Upper
75 100
77 1.1 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.696 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075401.D
Acq: 23 Nov 2022 17:11

Tgt Ion: 75 Resp: 44977
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

