

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120722\
 Data File : VN075632.D
 Acq On : 08 Dec 2022 01:32
 Operator : JC\MD
 Sample : PB149441ZHE04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149441ZHE04

Quant Time: Dec 08 06:44:51 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)

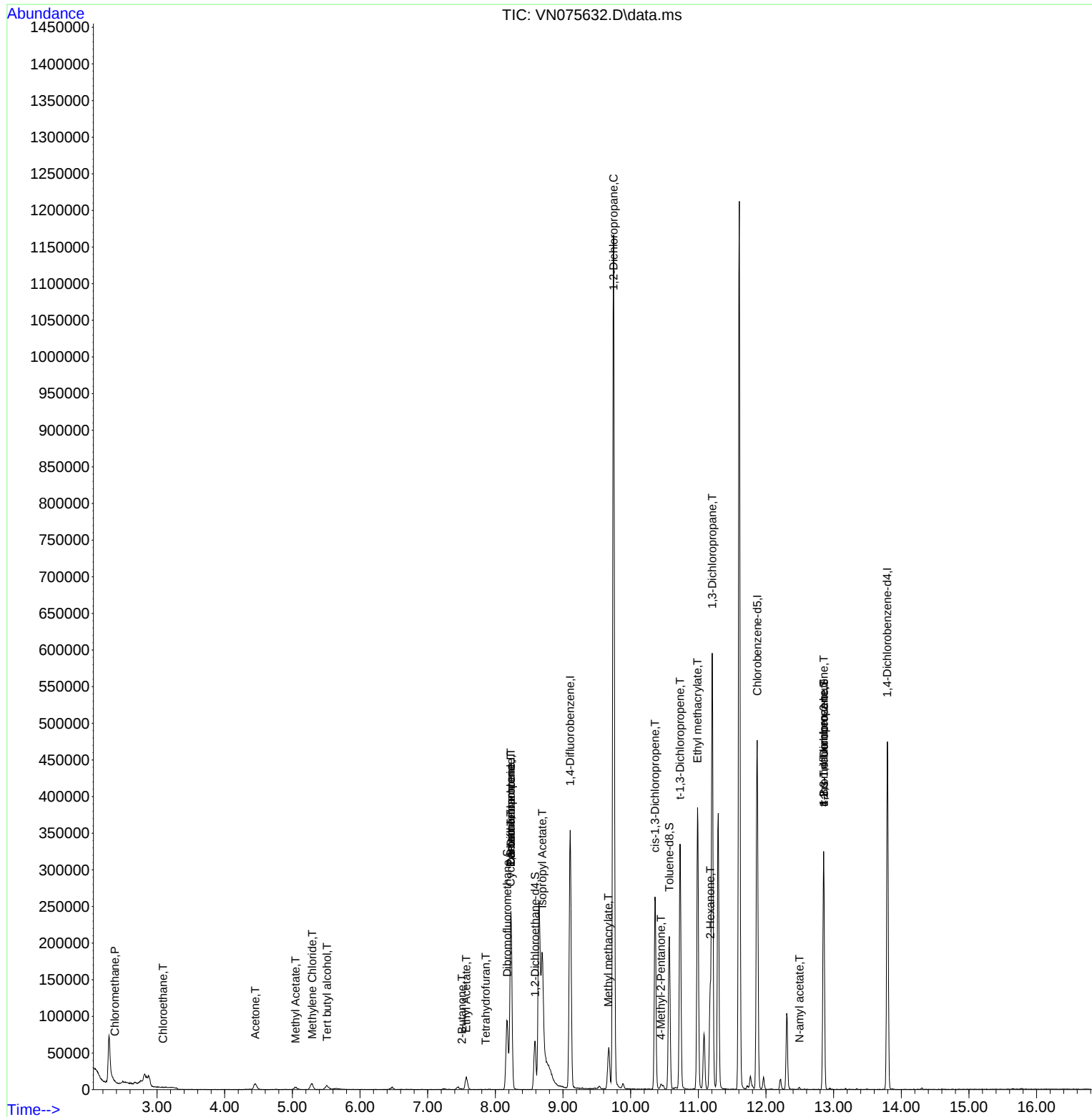
Internal Standards						
1) Pentafluorobenzene	8.230	168	191609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	330390	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	295749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	134464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	54013	52.515	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.020%			
35) Dibromofluoromethane	8.177	113	69898	53.855	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.720%			
50) Toluene-d8	10.571	98	149660	51.197	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.400%			
62) 4-Bromofluorobenzene	12.853	95	107668	49.901	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.800%			
Target Compounds					Qvalue	
3) Chloromethane	2.377	50	546	0.299	ug/l #	42
6) Chloroethane	3.089	64	436	0.250	ug/l #	45
11) Tert butyl alcohol	5.512	59	5094	11.798	ug/l #	72
16) Acetone	4.453	43	15651	16.314	ug/l	100
18) Methyl Acetate	5.048	43	6199	1.302	ug/l	93
20) Methylene Chloride	5.295	84	7462	2.624	ug/l #	72
25) 2-Butanone	7.506	43	1521	1.136	ug/l #	84
29) Tetrahydrofuran	7.859	42	188	0.231	ug/l #	26
31) Cyclohexane	8.224	56	3025	0.926	ug/l #	7
36) 1,1-Dichloropropene	8.230	75	13350	4.717	ug/l #	51
37) Ethyl Acetate	7.571	43	24702	9.693	ug/l	99
38) Carbon Tetrachloride	8.230	117	18635	5.993	ug/l #	17
43) Isopropyl Acetate	8.694	43	269436	65.865	ug/l #	74
45) 1,2-Dichloropropane	9.747	63	1716	0.831	ug/l #	42
48) Methyl methacrylate	9.671	41	3327	1.759	ug/l #	32
51) 4-Methyl-2-Pentanone	10.447	43	4561	1.751	ug/l	90
53) t-1,3-Dichloropropene	10.729	75	968	0.319	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	53700	16.282	ug/l #	65
56) Ethyl methacrylate	10.988	69	1237	0.403	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6913	1.864	ug/l #	42
59) 2-Hexanone	11.177	43	95968	49.052	ug/l #	21
74) N-amyl acetate	12.494	43	1674	0.554	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	54194	21.316	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	54194	63.070	ug/l #	10

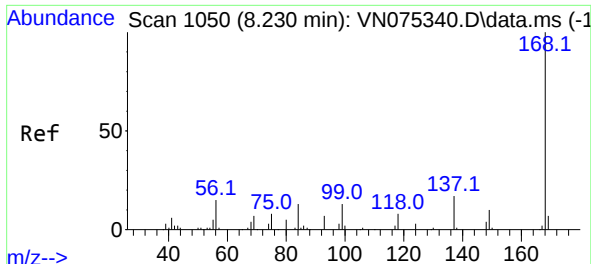
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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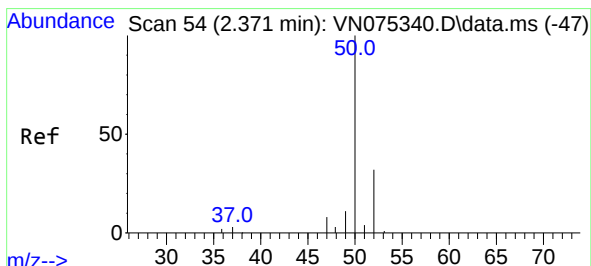
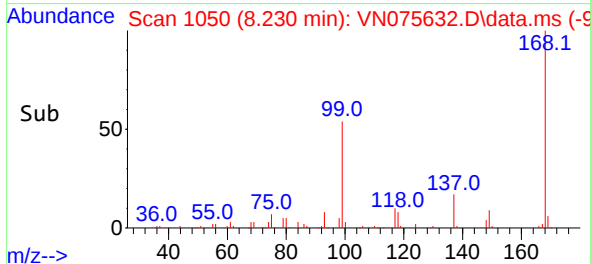
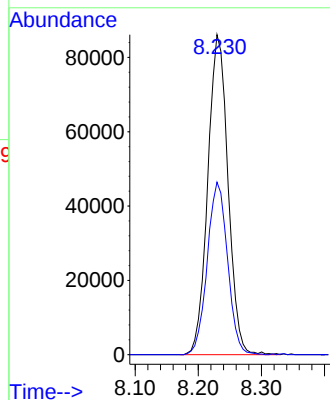
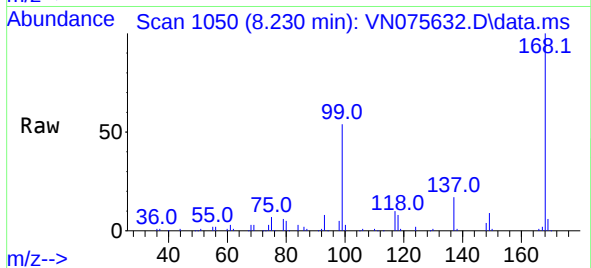




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

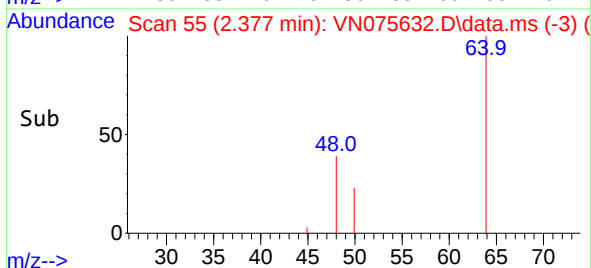
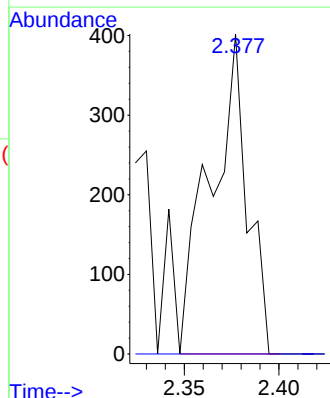
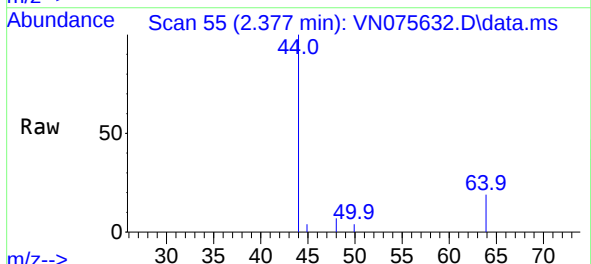
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE04

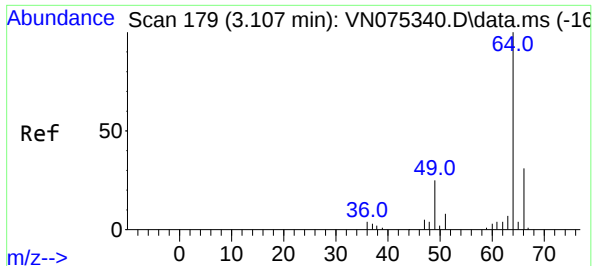
Tgt Ion:168 Resp: 191609
Ion Ratio Lower Upper
168 100
99 53.9 51.6 77.4



#3
Chloromethane
Concen: 0.299 ug/l
RT: 2.377 min Scan# 55
Delta R.T. 0.006 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

Tgt Ion: 50 Resp: 546
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

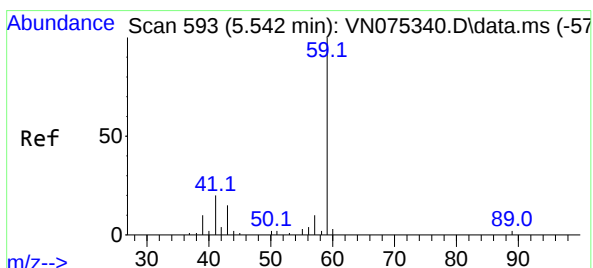
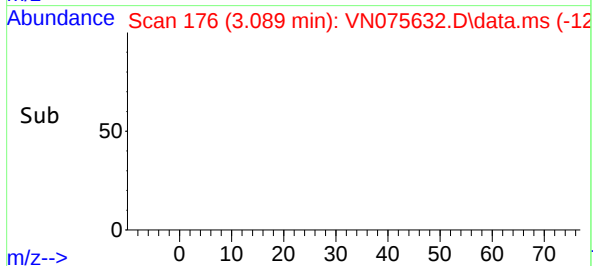
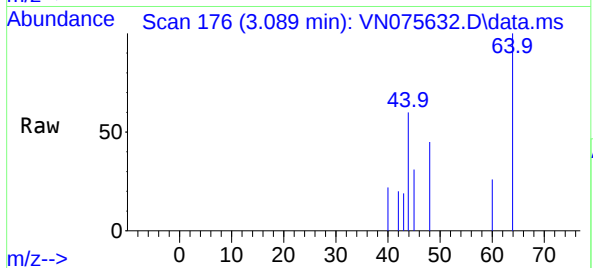




#6
Chloroethane
Concen: 0.250 ug/l
RT: 3.089 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

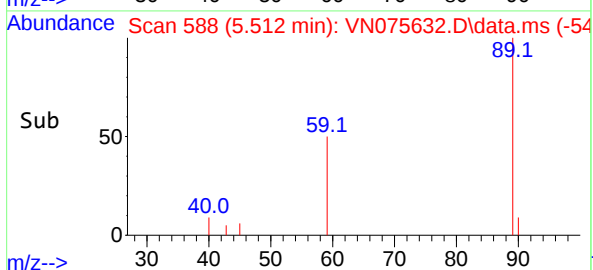
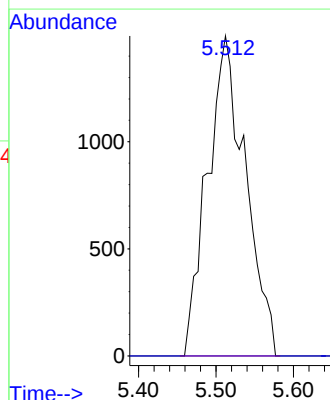
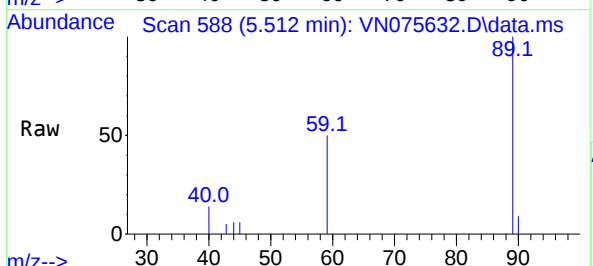
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE04

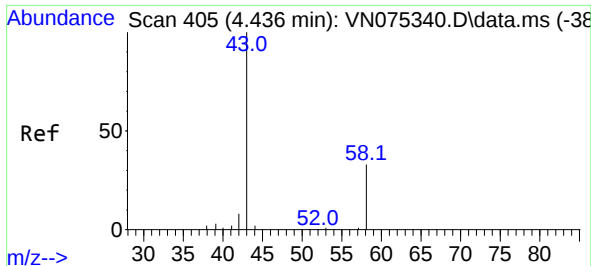
Tgt Ion: 64 Resp: 436
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 11.798 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.030 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

Tgt Ion: 59 Resp: 5094
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

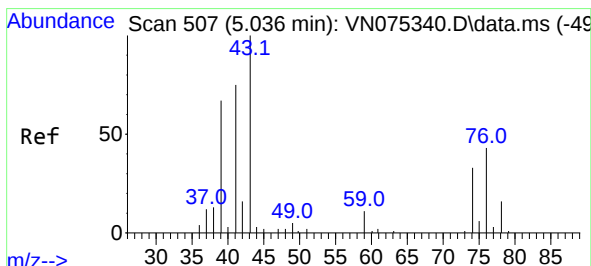
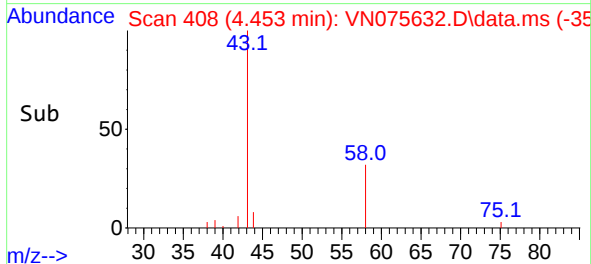
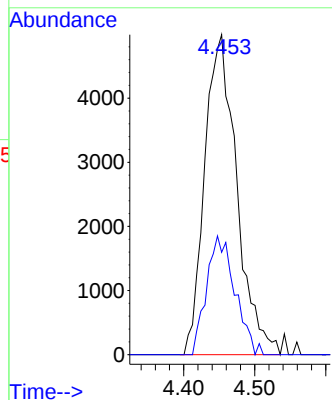
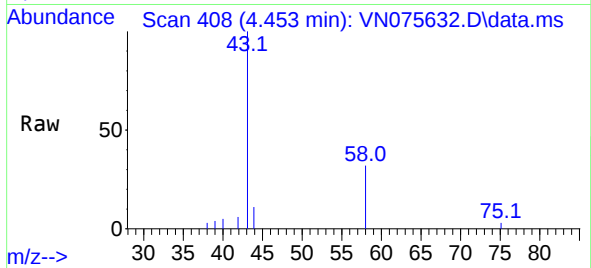




#16
Acetone
Concen: 16.314 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.017 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

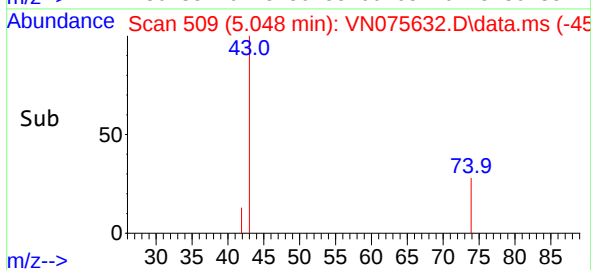
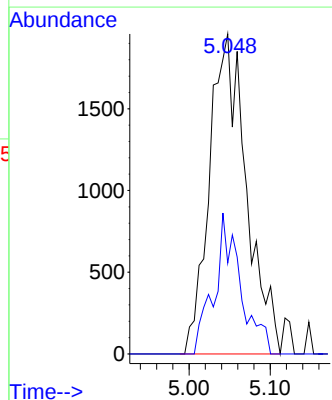
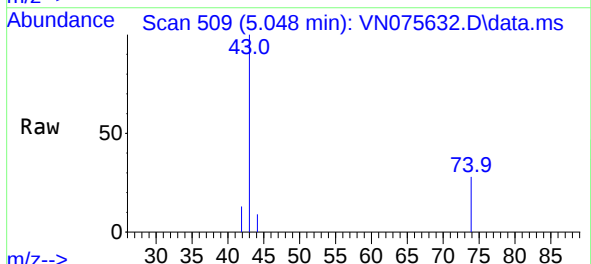
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE04

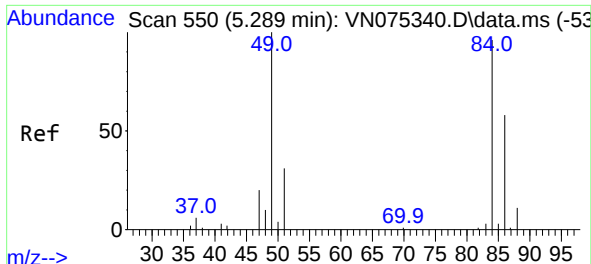
Tgt Ion: 43 Resp: 15651
Ion Ratio Lower Upper
43 100
58 32.0 25.5 38.3



#18
Methyl Acetate
Concen: 1.302 ug/l
RT: 5.048 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

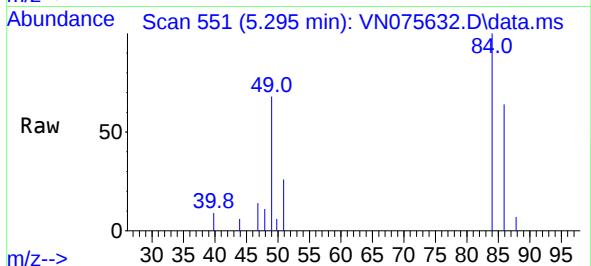
Tgt Ion: 43 Resp: 6199
Ion Ratio Lower Upper
43 100
74 31.3 22.0 33.0





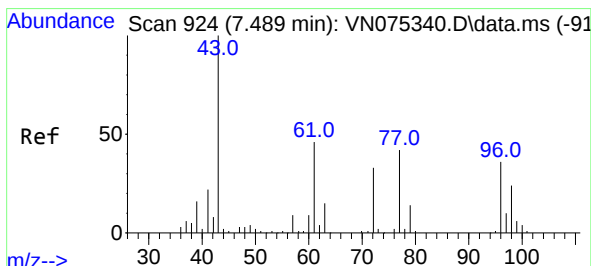
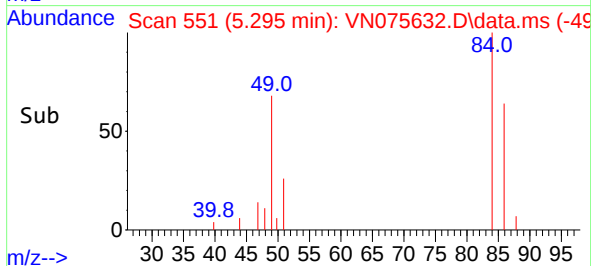
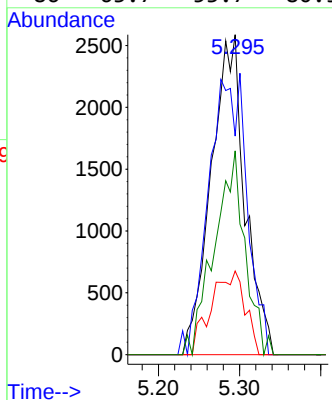
#20
Methylene Chloride
Concen: 2.624 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE04



Tgt Ion: 84 Resp: 7462

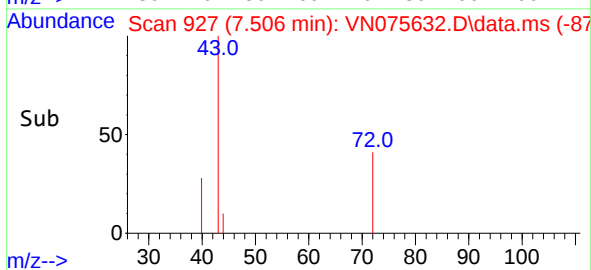
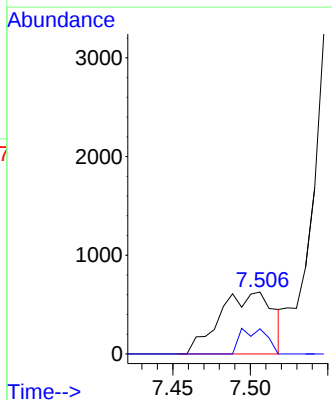
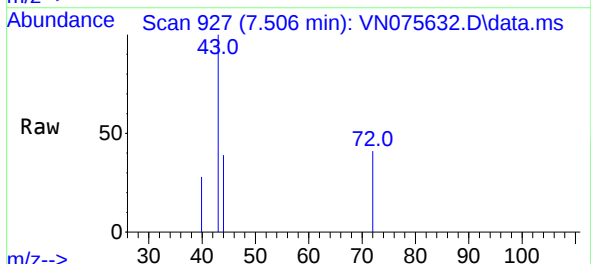
Ion	Ratio	Lower	Upper
84	100		
49	68.3	94.9	142.3#
51	26.2	26.8	40.2#
86	63.7	53.7	80.5

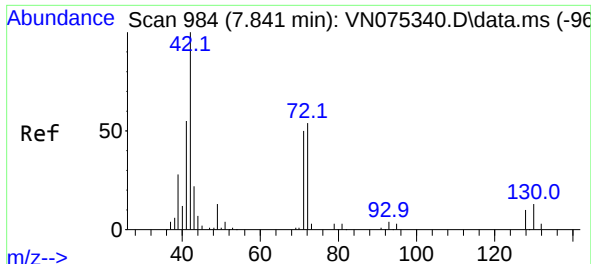


#25
2-Butanone
Concen: 1.136 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.017 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

Tgt Ion: 43 Resp: 1521

Ion	Ratio	Lower	Upper
43	100		
72	40.7	25.5	38.3#

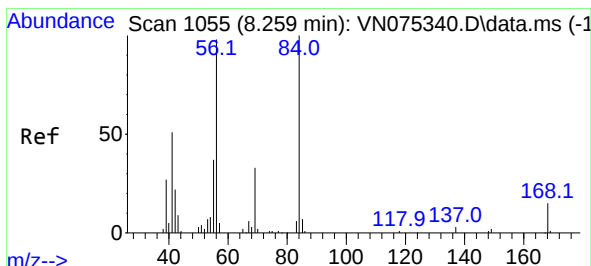
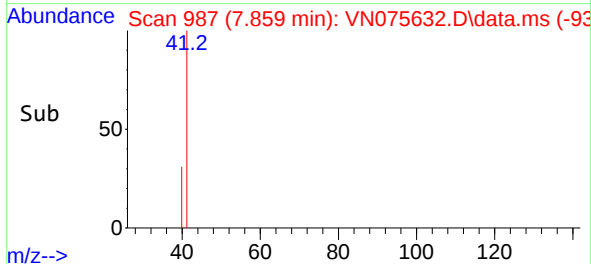
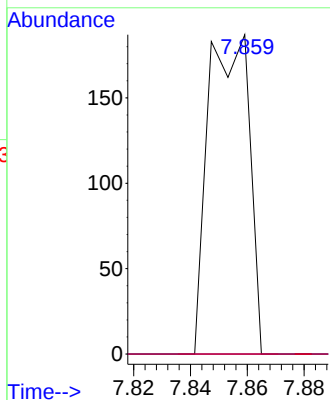
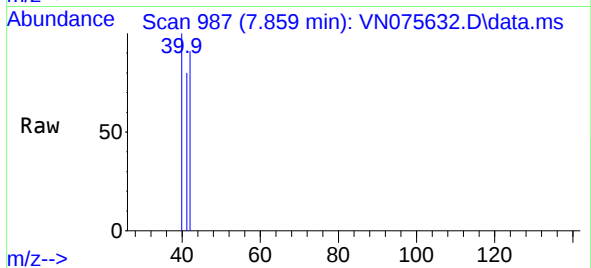




#29
Tetrahydrofuran
Concen: 0.231 ug/l
RT: 7.859 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

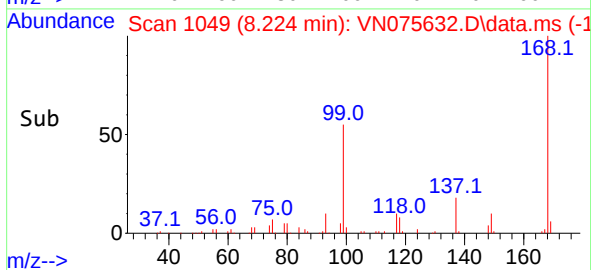
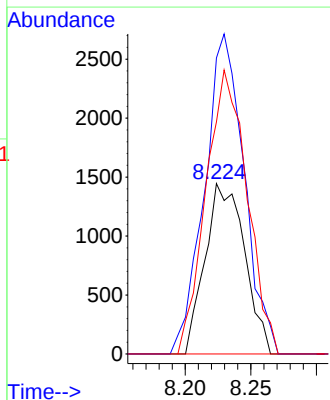
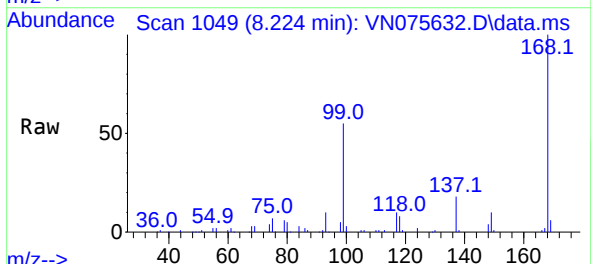
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE04

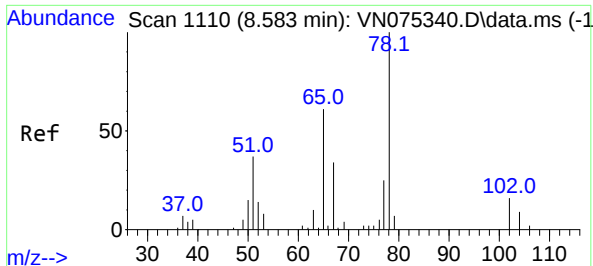
Tgt Ion: 42 Resp: 188
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#



#31
Cyclohexane
Concen: 0.926 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

Tgt Ion: 56 Resp: 3025
Ion Ratio Lower Upper
56 100
69 173.8 25.2 37.8#
84 136.2 77.8 116.8#

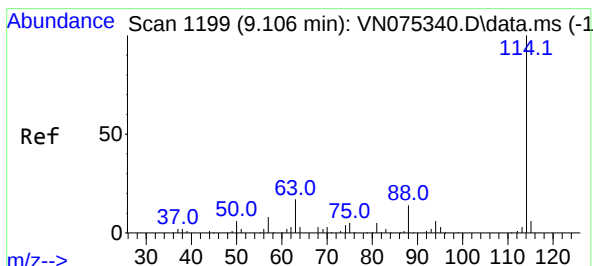
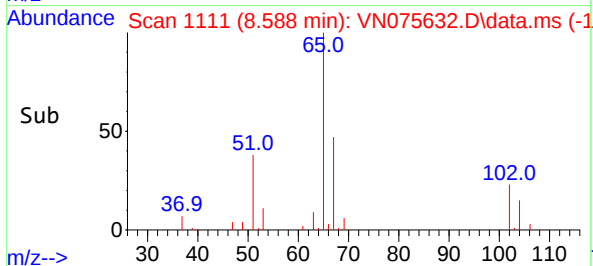
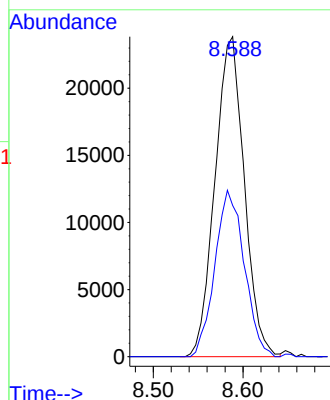
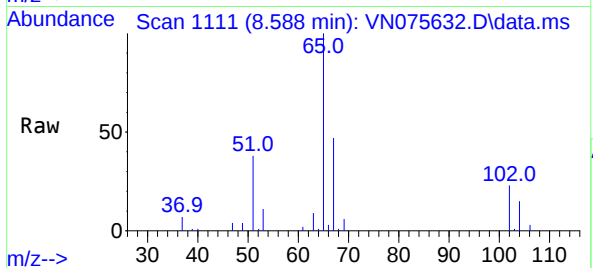




#33
1,2-Dichloroethane-d4
Concen: 52.515 ug/l
RT: 8.588 min Scan# 1110
Delta R.T. 0.005 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

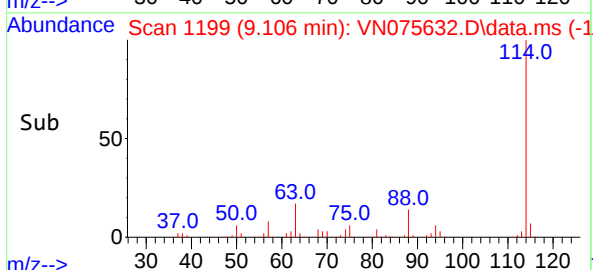
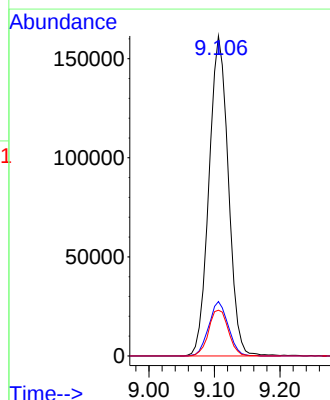
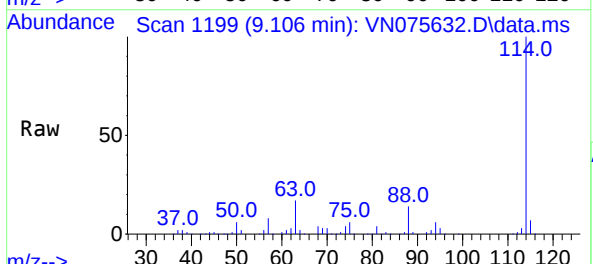
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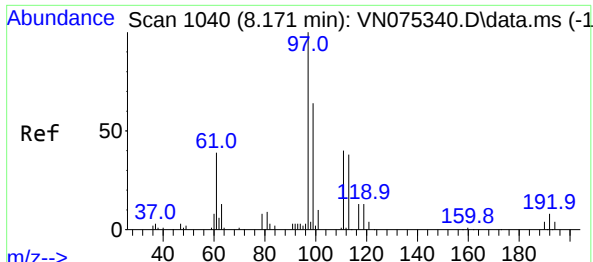
Tgt Ion: 65 Resp: 54013
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

Tgt Ion:114 Resp: 330390
Ion Ratio Lower Upper
114 100
63 17.0 0.0 39.6
88 14.3 0.0 29.0

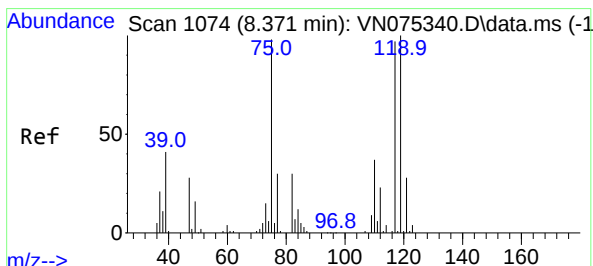
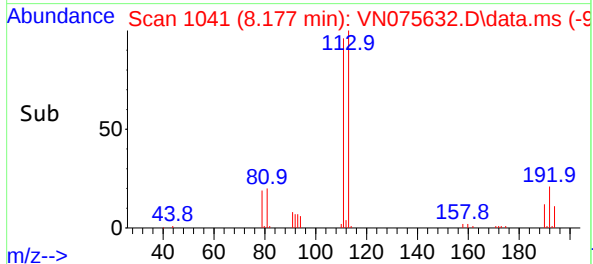
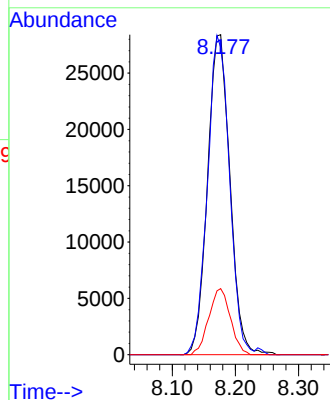
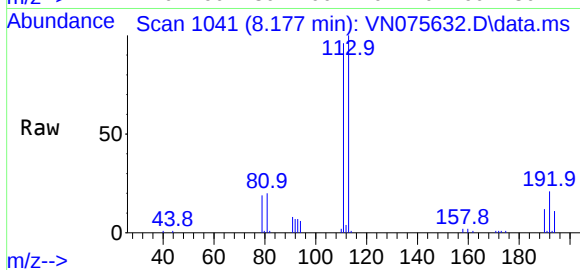




#35
Dibromofluoromethane
Concen: 53.855 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

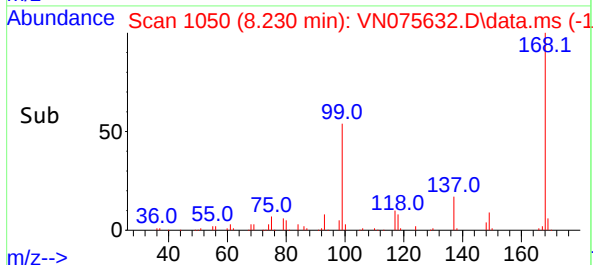
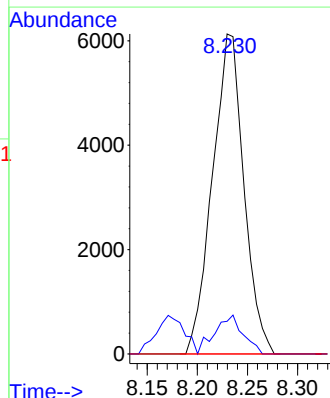
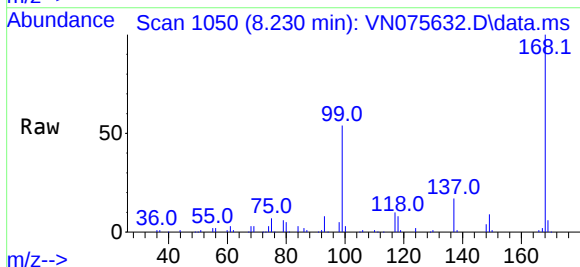
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE04

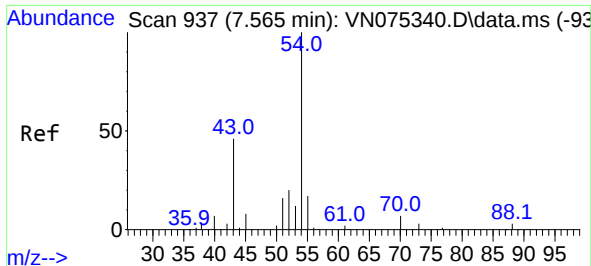
Tgt Ion:113 Resp: 69898
Ion Ratio Lower Upper
113 100
111 98.3 80.5 120.7
192 20.0 13.2 19.8#



#36
1,1-Dichloropropene
Concen: 4.717 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

Tgt Ion: 75 Resp: 13350
Ion Ratio Lower Upper
75 100
110 10.9 17.8 53.3#
77 0.0 24.6 37.0#

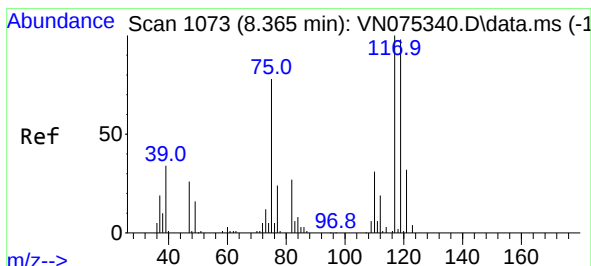
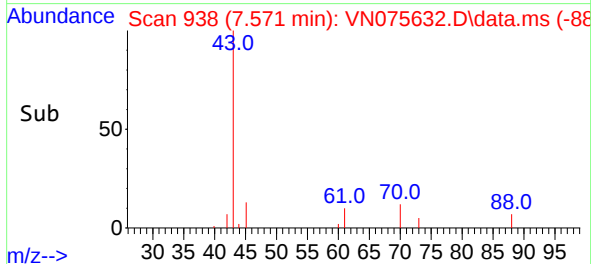
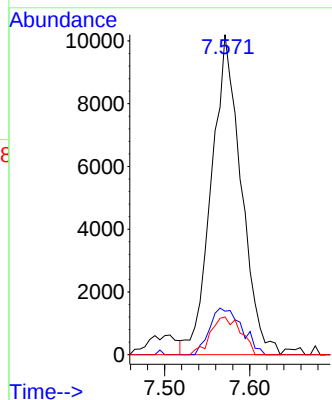
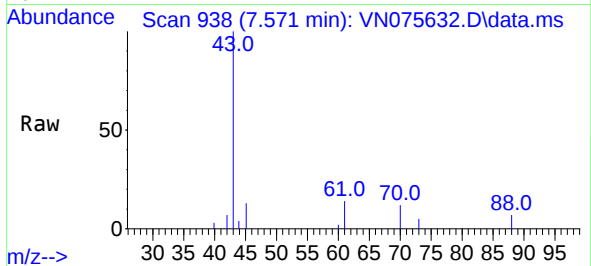




#37
Ethyl Acetate
Concen: 9.693 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

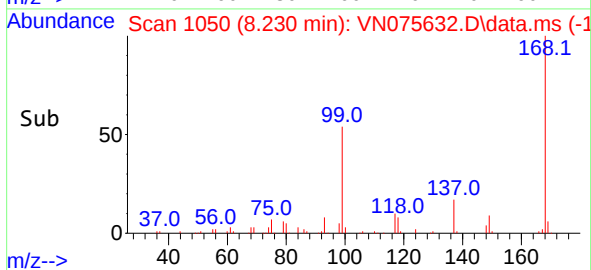
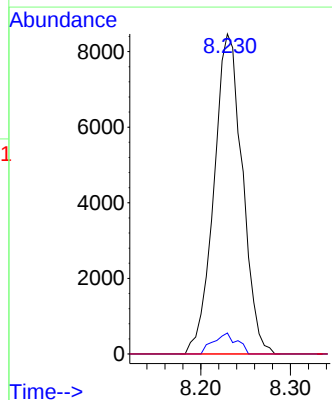
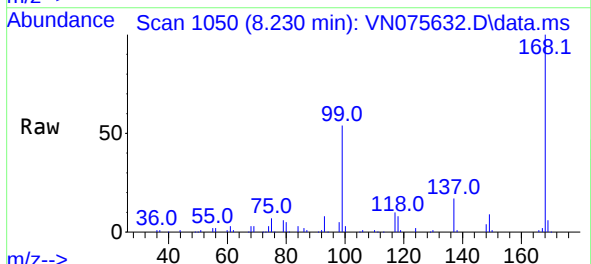
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE04

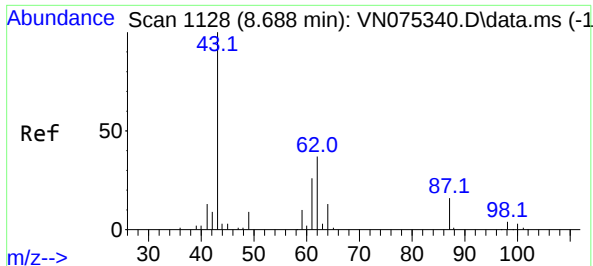
Tgt Ion: 43 Resp: 24702
Ion Ratio Lower Upper
43 100
61 15.7 12.2 18.4
70 11.9 9.4 14.2



#38
Carbon Tetrachloride
Concen: 5.993 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

Tgt Ion: 117 Resp: 18635
Ion Ratio Lower Upper
117 100
119 6.6 76.7 115.1#
121 0.0 23.9 35.9#

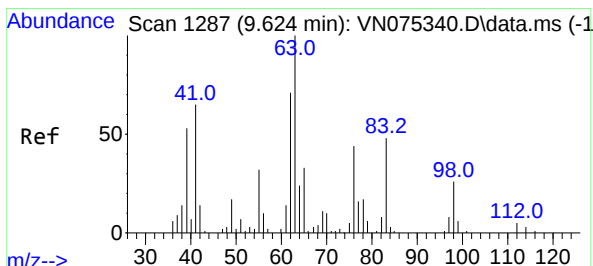
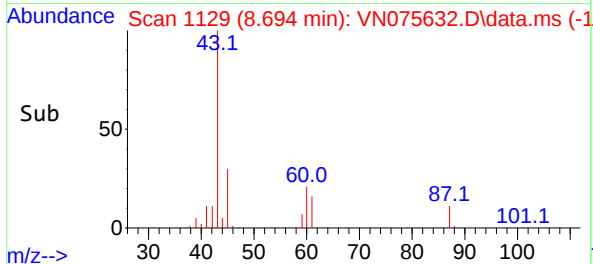
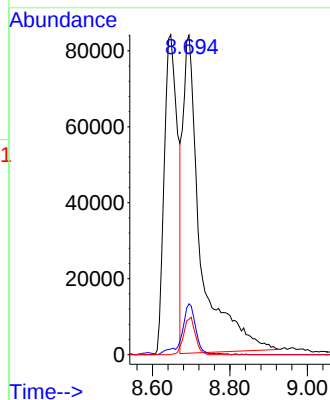
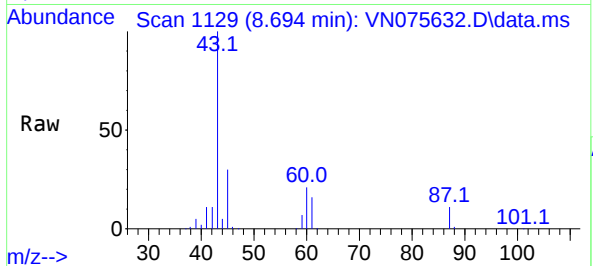




#43
Isopropyl Acetate
Concen: 65.865 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

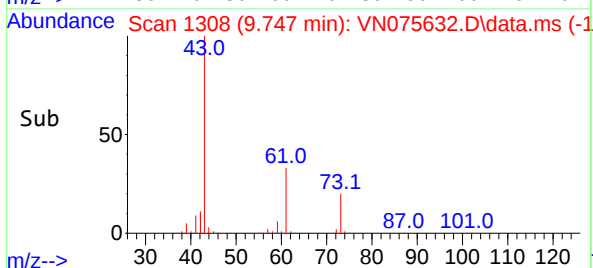
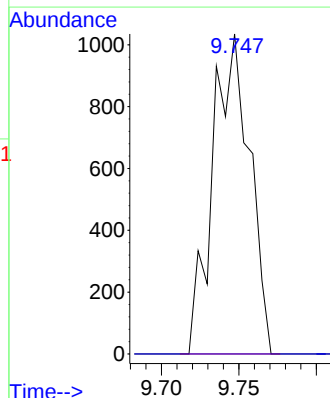
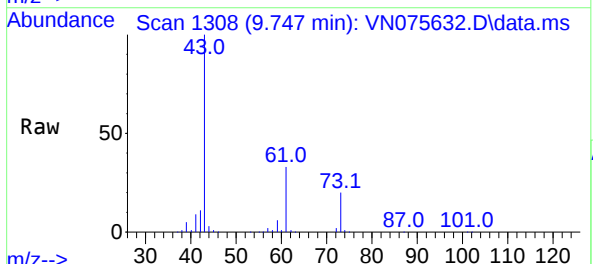
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE04

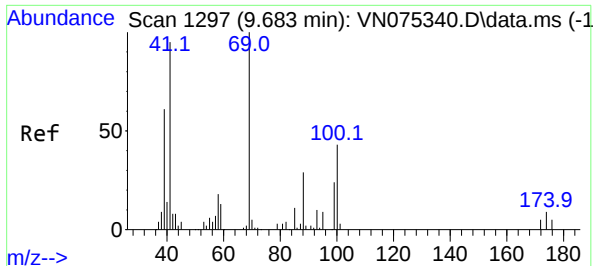
Tgt Ion: 43 Resp: 269436
Ion Ratio Lower Upper
43 100
61 12.3 22.4 33.6#
87 7.6 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.831 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

Tgt Ion: 63 Resp: 1716
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

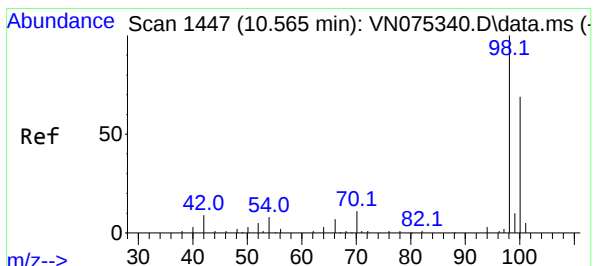
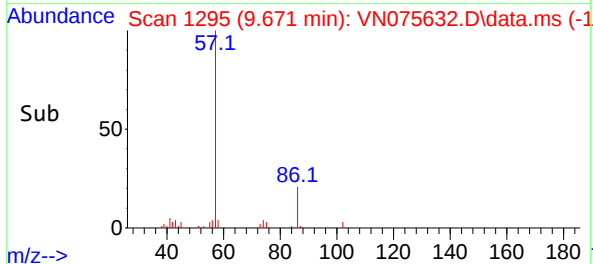
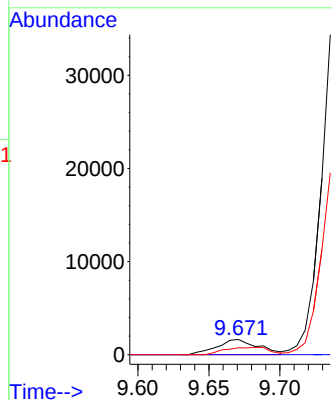
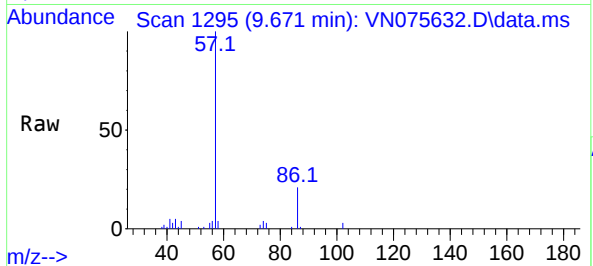




#48
Methyl methacrylate
Concen: 1.759 ug/l
RT: 9.671 min Scan# 1295
Delta R.T. -0.012 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

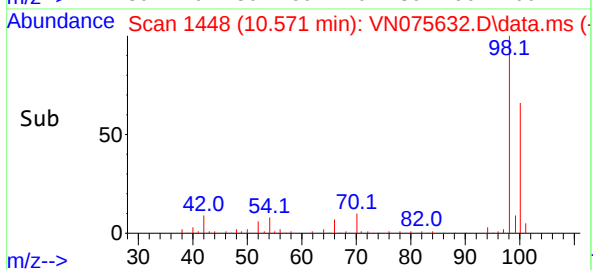
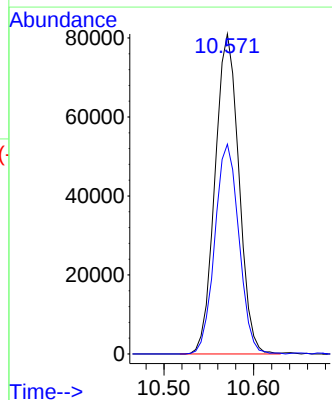
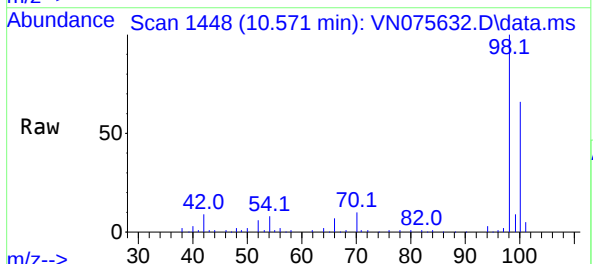
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE04

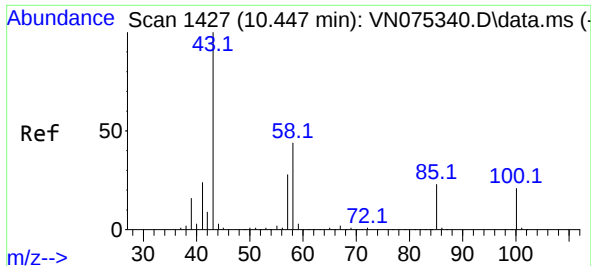
Tgt Ion: 41 Resp: 3327
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 51.0 56.2 84.2#



#50
Toluene-d8
Concen: 51.197 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

Tgt Ion: 98 Resp: 149660
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.6

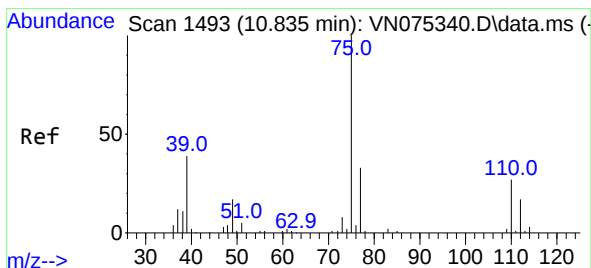
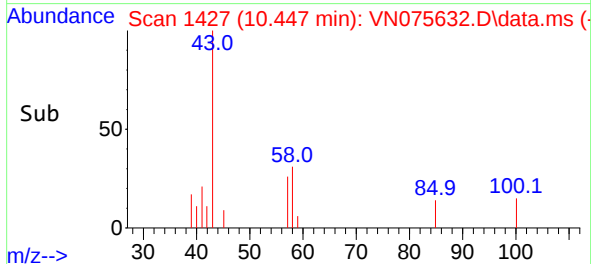
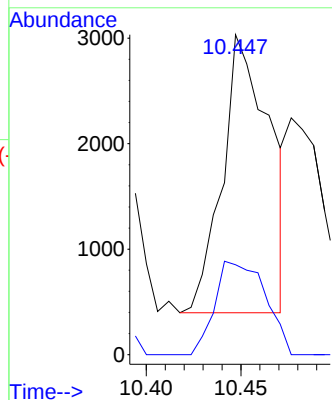
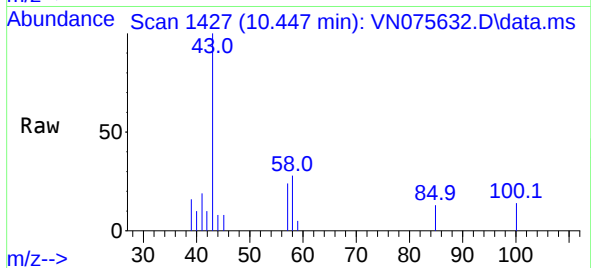




#51
4-Methyl-2-Pentanone
Concen: 1.751 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

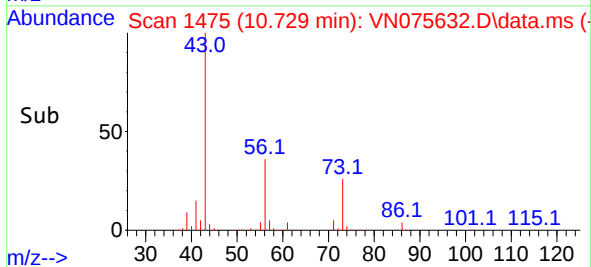
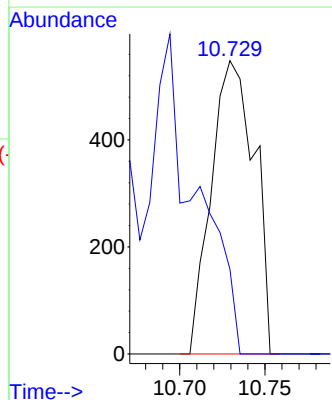
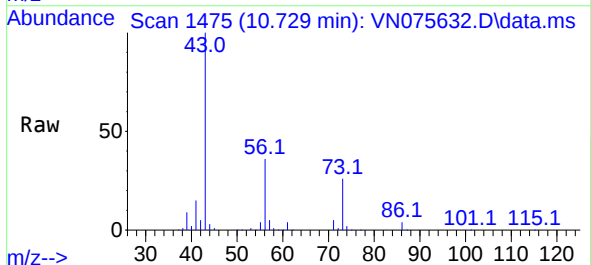
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE04

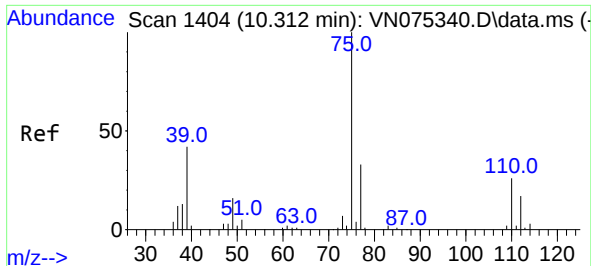
Tgt Ion: 43 Resp: 4561
Ion Ratio Lower Upper
43 100
58 35.9 33.6 50.4



#53
t-1,3-Dichloropropene
Concen: 0.319 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.106 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

Tgt Ion: 75 Resp: 968
Ion Ratio Lower Upper
75 100
77 28.8 25.4 38.2

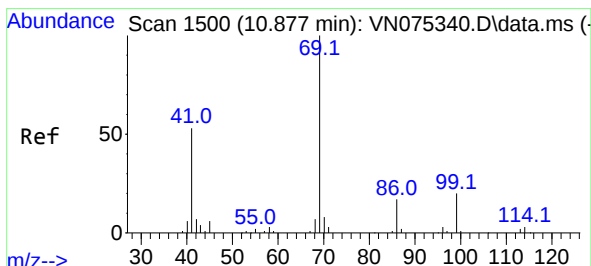
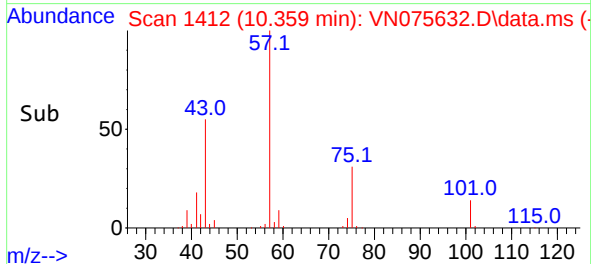
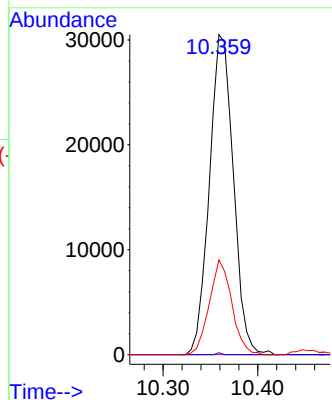
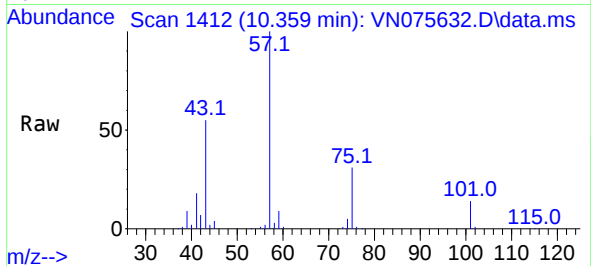




#54
cis-1,3-Dichloropropene
Concen: 16.282 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

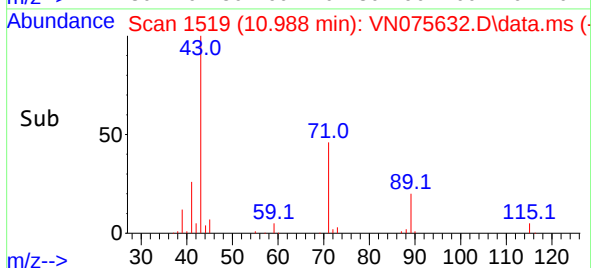
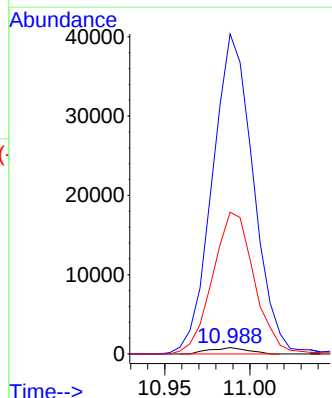
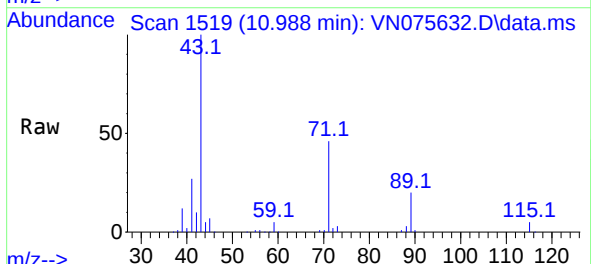
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE04

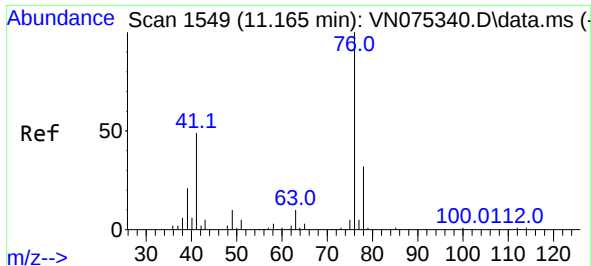
Tgt Ion: 75 Resp: 53700
Ion Ratio Lower Upper
75 100
77 0.6 23.7 35.5#
39 29.6 35.8 53.6#



#56
Ethyl methacrylate
Concen: 0.403 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.111 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

Tgt Ion: 69 Resp: 1237
Ion Ratio Lower Upper
69 100
41 5483.4 45.6 68.4#
39 2462.8 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.864 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN075632.D

Acq: 08 Dec 2022 01:32

Instrument :

MSVOA_N

ClientSampleId :

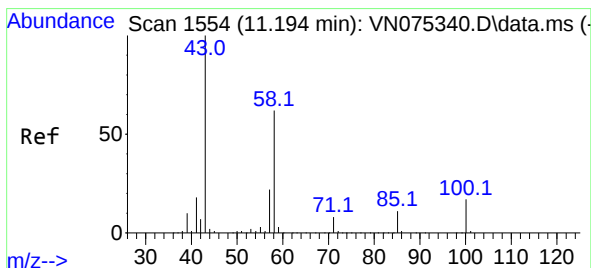
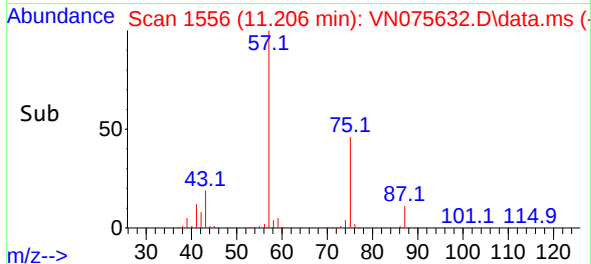
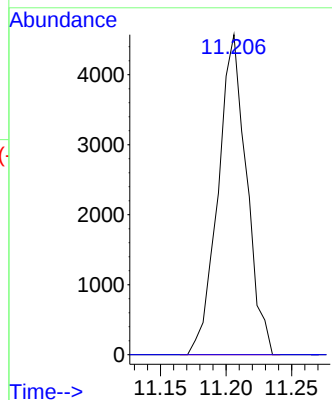
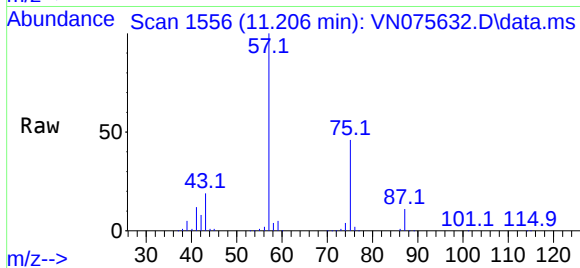
PB149441ZHE04

Tgt Ion: 76 Resp: 6913

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 49.052 ug/l

RT: 11.177 min Scan# 1551

Delta R.T. -0.017 min

Lab File: VN075632.D

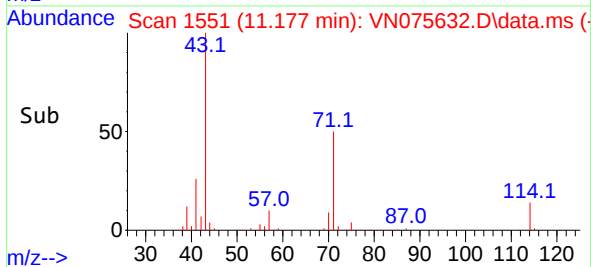
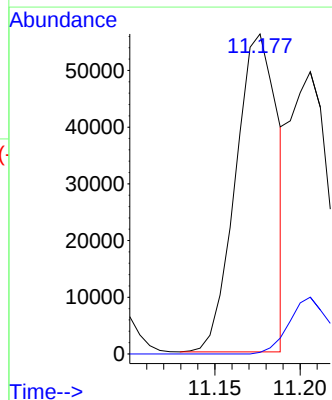
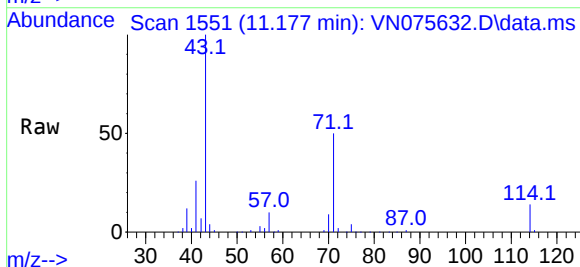
Acq: 08 Dec 2022 01:32

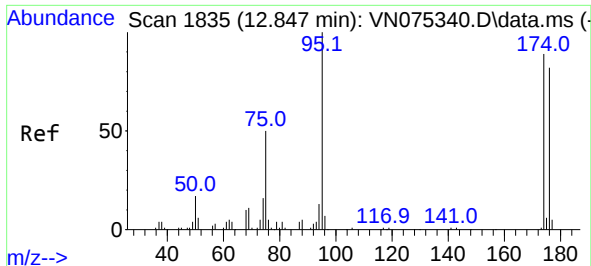
Tgt Ion: 43 Resp: 95968

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

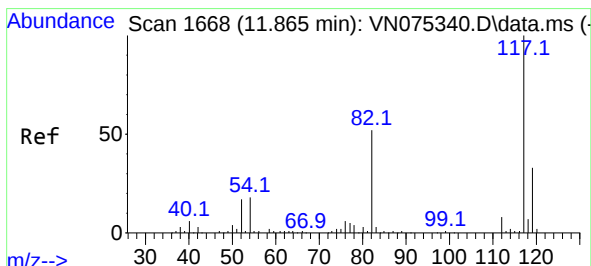
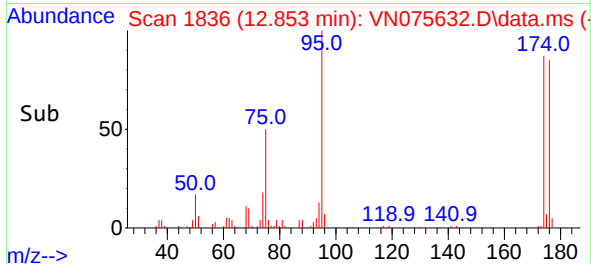
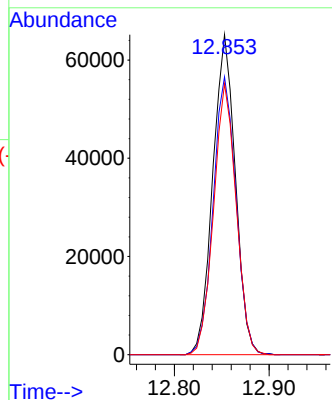
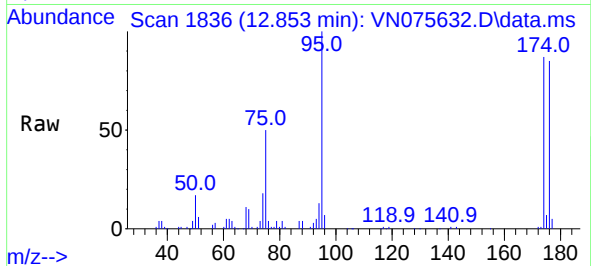




#62
4-Bromofluorobenzene
Concen: 49.901 ug/l
RT: 12.853 min Scan# 1835
Delta R.T. 0.006 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

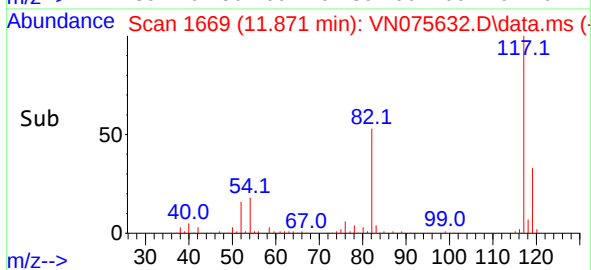
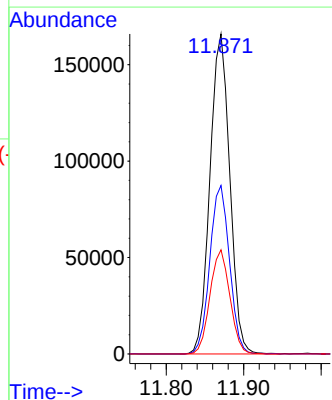
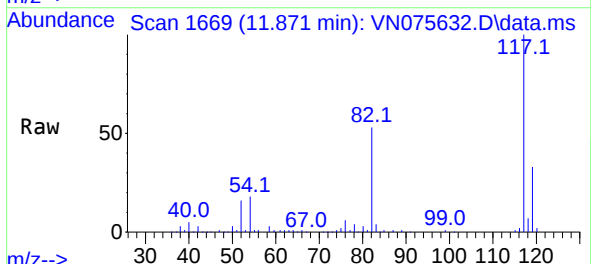
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE04

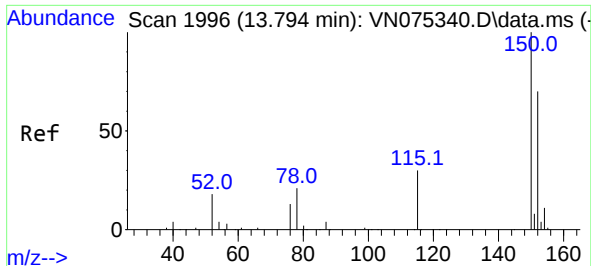
Tgt Ion: 95 Resp: 107668
Ion Ratio Lower Upper
95 100
174 88.0 0.0 147.4
176 84.5 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

Tgt Ion: 117 Resp: 295749
Ion Ratio Lower Upper
117 100
82 52.7 43.1 64.7
119 32.5 25.5 38.3

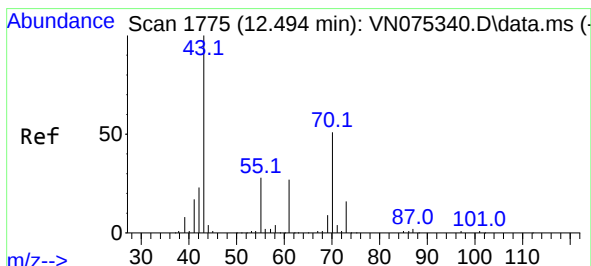
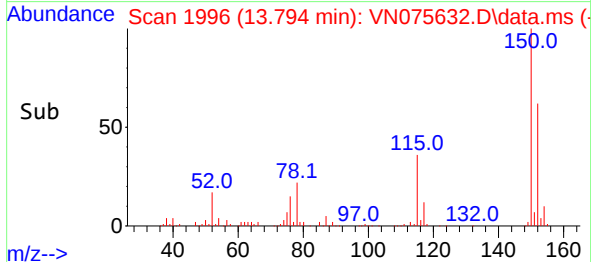
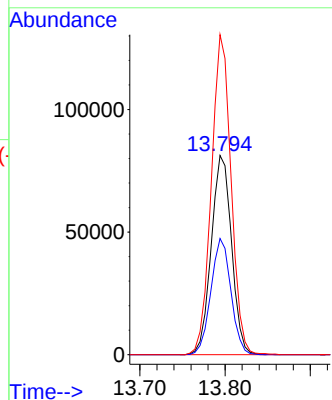
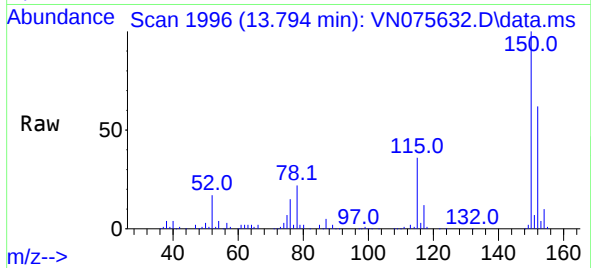




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

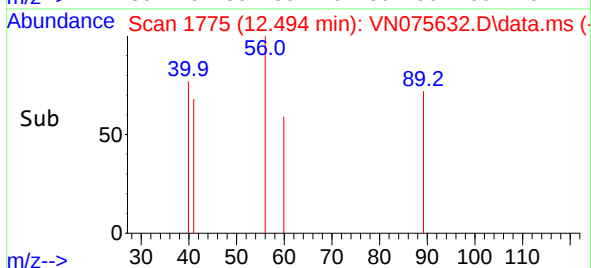
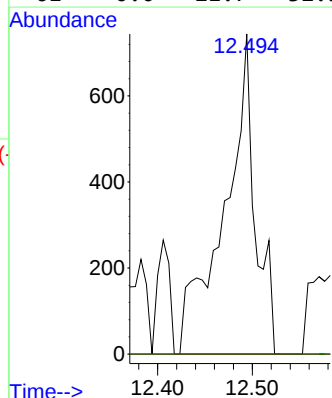
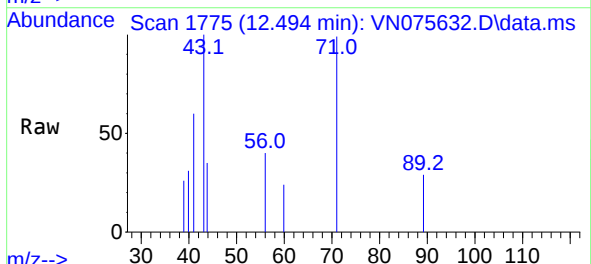
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE04

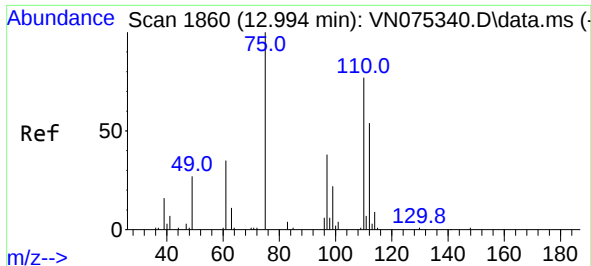
Tgt Ion:152 Resp: 134464
Ion Ratio Lower Upper
152 100
115 57.4 30.2 90.6
150 156.0 0.0 348.4



#74
N-ethyl acetate
Concen: 0.554 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

Tgt Ion: 43 Resp: 1674
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#

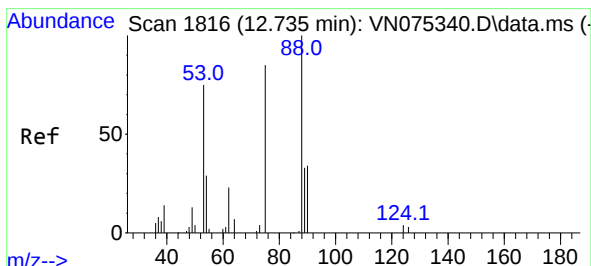
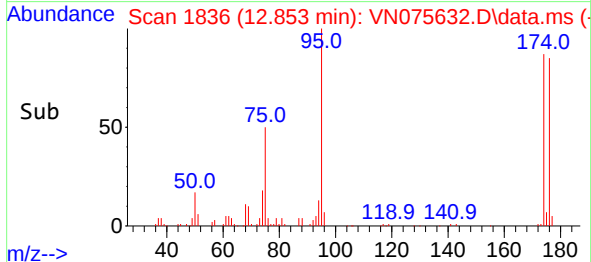
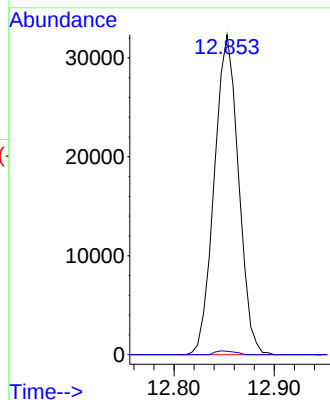
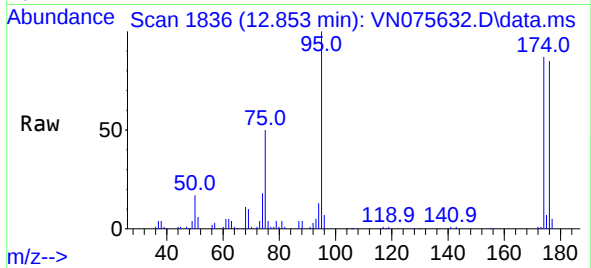




#76
1,2,3-Trichloropropane
Concen: 21.316 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE04

Tgt Ion: 75 Resp: 54194
Ion Ratio Lower Upper
75 100
77 1.0 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.070 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075632.D
Acq: 08 Dec 2022 01:32

Tgt Ion: 75 Resp: 54194
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

