

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120722\
 Data File : VN075630.D
 Acq On : 08 Dec 2022 00:44
 Operator : JC\MD
 Sample : PB149441ZHE02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149441ZHE02

Quant Time: Dec 08 01:20:34 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)

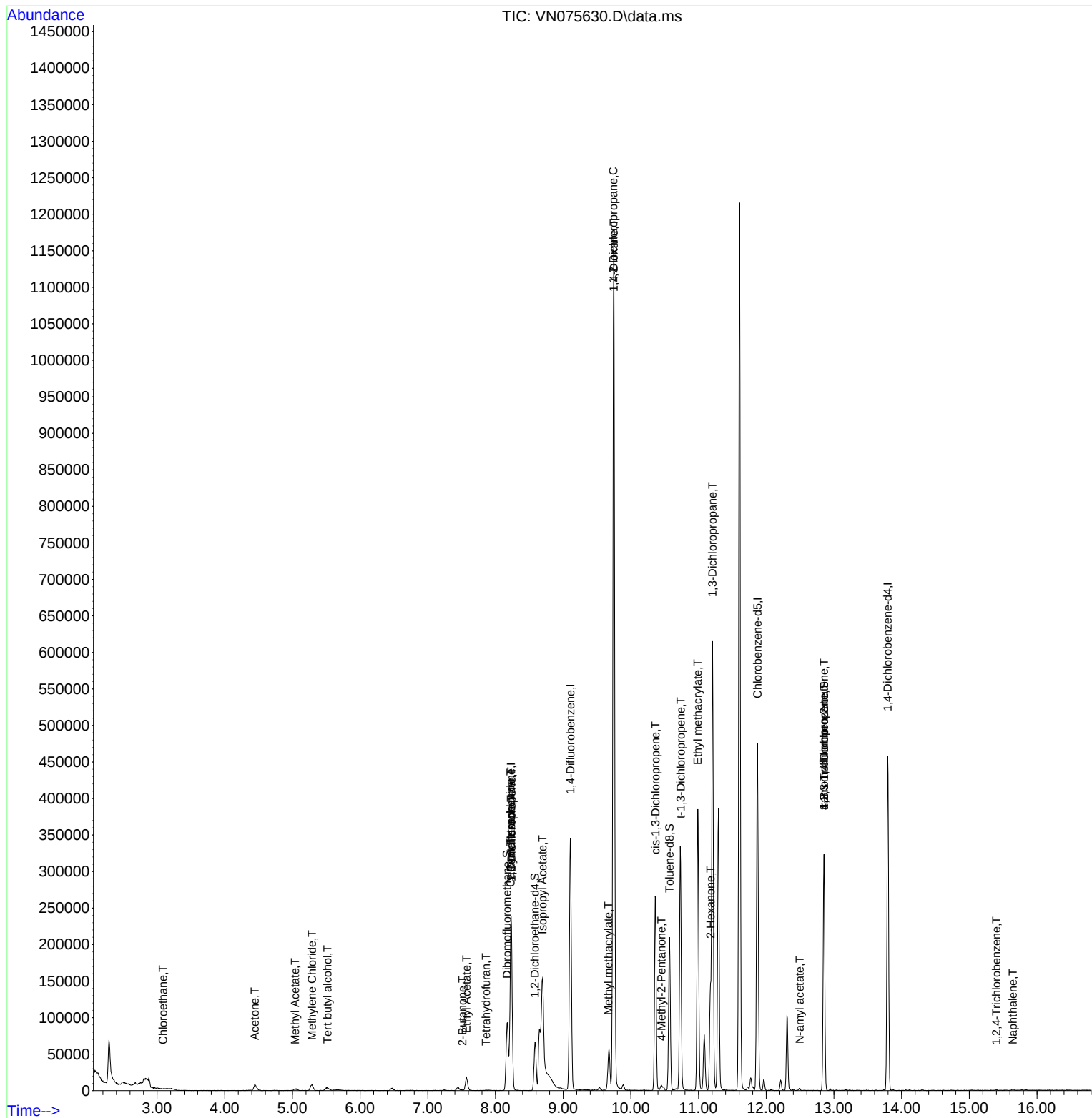
Internal Standards						
1) Pentafluorobenzene	8.230	168	188537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	323188	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	292488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	131157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	53598	52.960	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.920%			
35) Dibromofluoromethane	8.171	113	67815	53.415	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.820%			
50) Toluene-d8	10.571	98	149169	52.167	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.340%			
62) 4-Bromofluorobenzene	12.853	95	106815	50.609	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.220%			
Target Compounds					Qvalue	
6) Chloroethane	3.089	64	375	0.219	ug/l #	45
11) Tert butyl alcohol	5.518	59	3938	9.269	ug/l #	72
16) Acetone	4.442	43	15360	16.271	ug/l	99
18) Methyl Acetate	5.042	43	5107	0.874	ug/l #	66
20) Methylene Chloride	5.289	84	6961	2.420	ug/l	95
25) 2-Butanone	7.512	43	1367	1.037	ug/l #	43
29) Tetrahydrofuran	7.859	42	441	0.550	ug/l #	59
31) Cyclohexane	8.230	56	3731	1.160	ug/l #	5
36) 1,1-Dichloropropene	8.235	75	13174	4.758	ug/l #	50
37) Ethyl Acetate	7.571	43	24683	9.901	ug/l	97
38) Carbon Tetrachloride	8.224	117	17517	5.759	ug/l #	15
43) Isopropyl Acetate	8.694	43	288318	72.051	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	1572	0.778	ug/l #	42
48) Methyl methacrylate	9.665	41	3093	1.672	ug/l #	35
49) 1,4-Dioxane	9.747	88	152	2.893	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	4521	1.774	ug/l	96
53) t-1,3-Dichloropropene	10.735	75	878	0.296	ug/l #	43
54) cis-1,3-Dichloropropene	10.365	75	53317	16.526	ug/l #	64
56) Ethyl methacrylate	10.988	69	1156	0.385	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6871	1.894	ug/l #	42
59) 2-Hexanone	11.176	43	112118	58.583	ug/l #	21
74) N-amyl acetate	12.494	43	1335	0.453	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	54229	21.868	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	54229	64.702	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.400	180	568	0.254	ug/l #	51
95) Naphthalene	15.641	128	2221	0.315	ug/l #	91

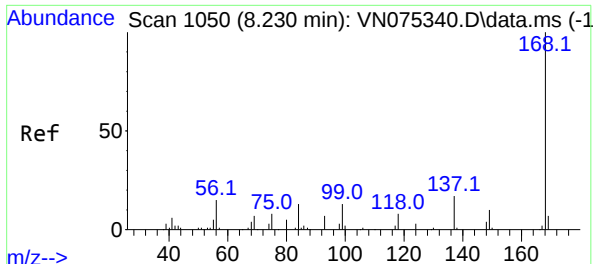
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120722\
Data File : VN075630.D
Acq On : 08 Dec 2022 00:44
Operator : JC\MD
Sample : PB149441ZHE02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE02

Quant Time: Dec 08 01:20:34 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





#1 Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN075630.D

Acq: 08 Dec 2022 00:44

Instrument :

MSVOA_N

ClientSampleId :

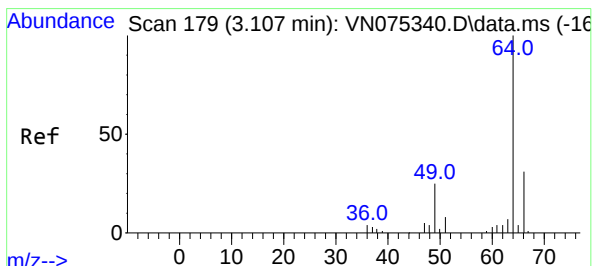
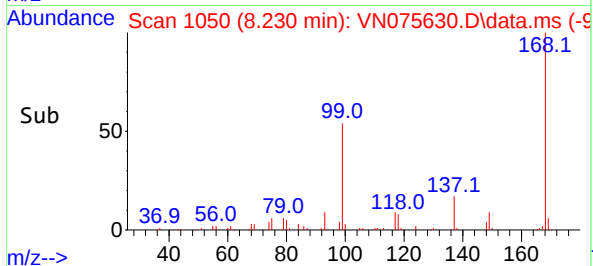
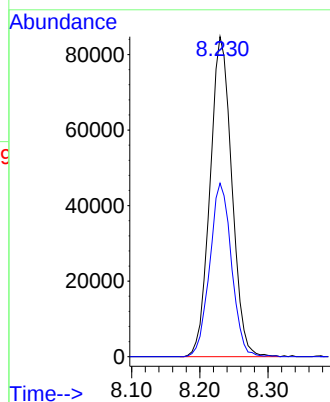
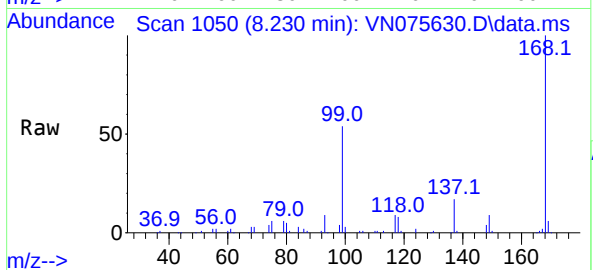
PB149441ZHE02

Tgt Ion:168 Resp: 188537

Ion Ratio Lower Upper

168 100

99 54.2 51.6 77.4



#6

Chloroethane

Concen: 0.219 ug/l

RT: 3.089 min Scan# 176

Delta R.T. -0.018 min

Lab File: VN075630.D

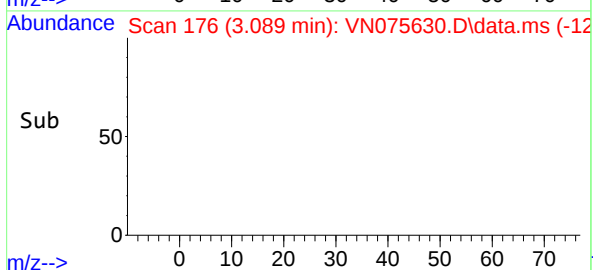
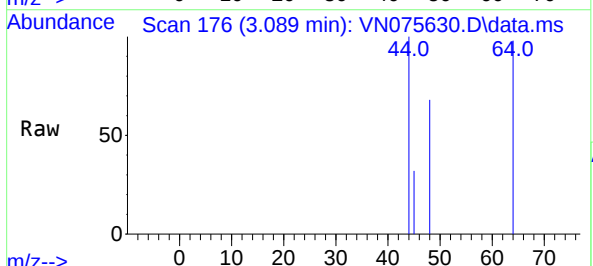
Acq: 08 Dec 2022 00:44

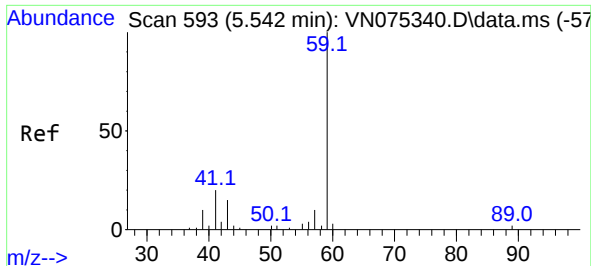
Tgt Ion: 64 Resp: 375

Ion Ratio Lower Upper

64 100

66 0.0 23.8 35.8#





#11

Tert butyl alcohol

Concen: 9.269 ug/l

RT: 5.518 min Scan# 51

Delta R.T. -0.024 min

Lab File: VN075630.D

Acq: 08 Dec 2022 00:44

Instrument :

MSVOA_N

ClientSampleId :

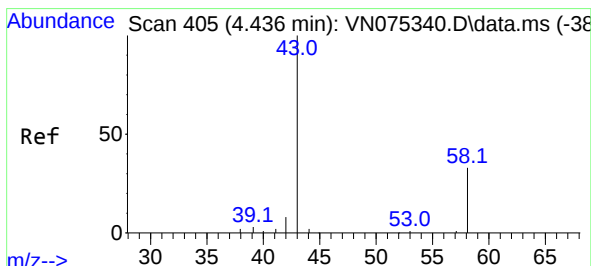
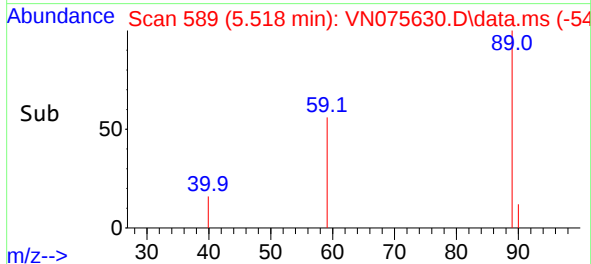
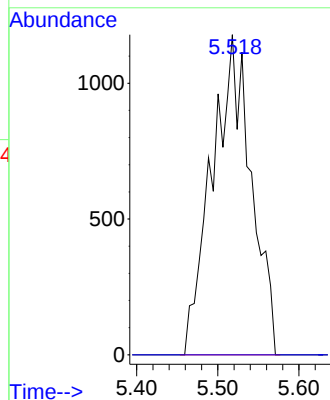
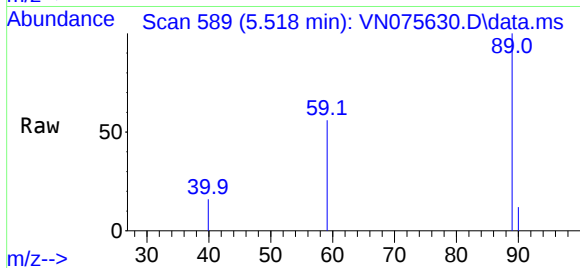
PB149441ZHE02

Tgt Ion: 59 Resp: 3938

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#16

Acetone

Concen: 16.271 ug/l

RT: 4.442 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN075630.D

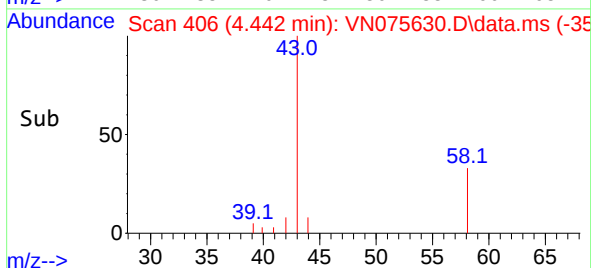
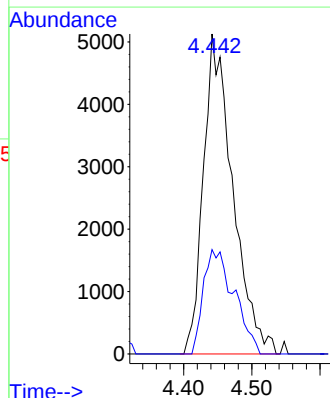
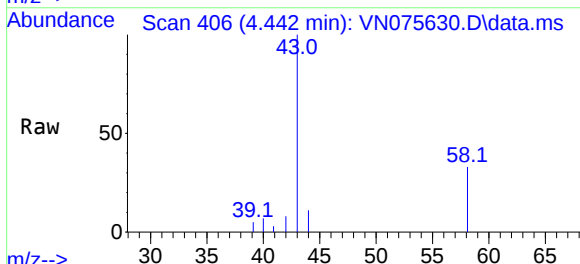
Acq: 08 Dec 2022 00:44

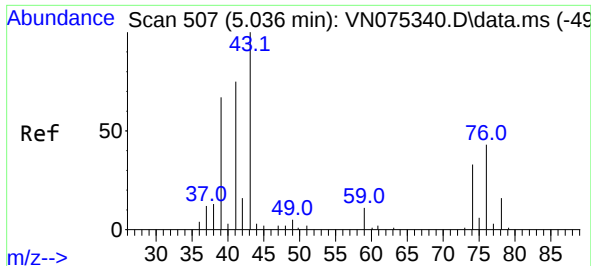
Tgt Ion: 43 Resp: 15360

Ion Ratio Lower Upper

43 100

58 32.6 25.5 38.3

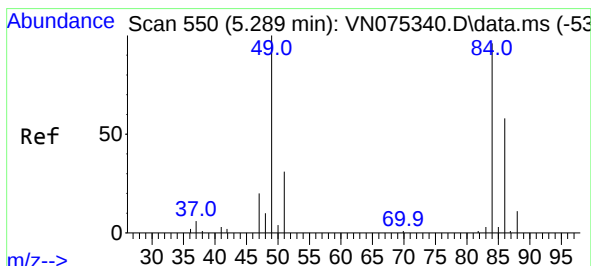
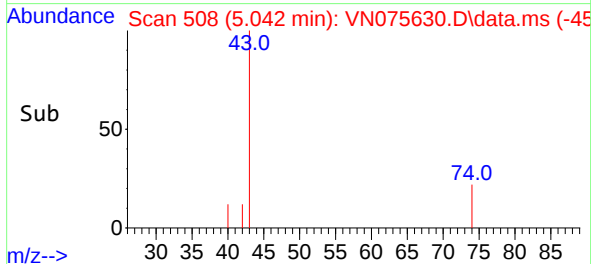
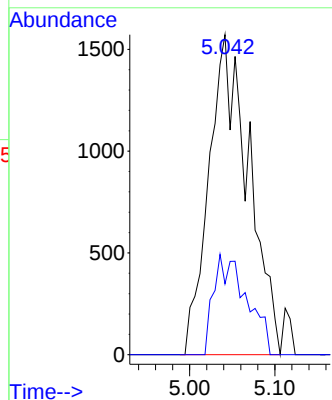
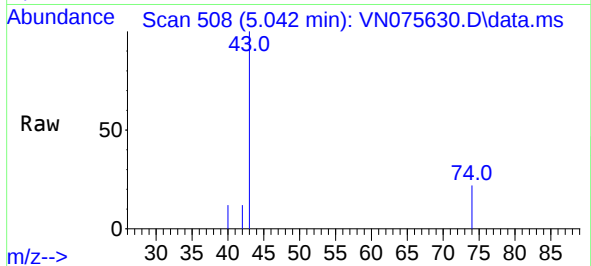




#18
Methyl Acetate
Concen: 0.874 ug/l
RT: 5.042 min Scan# 507
Delta R.T. 0.006 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

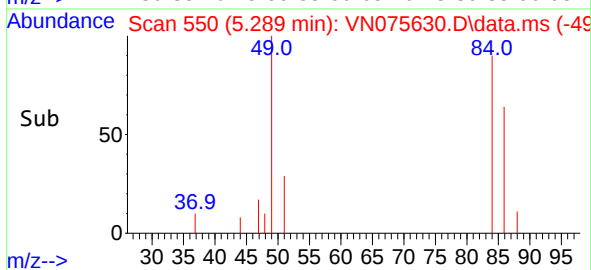
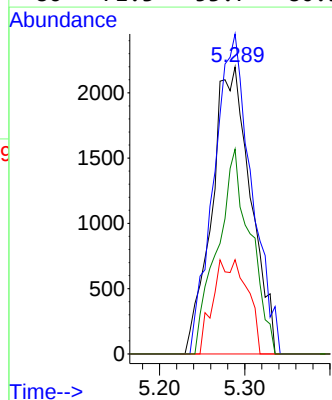
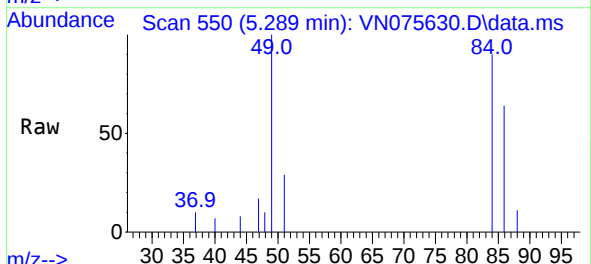
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE02

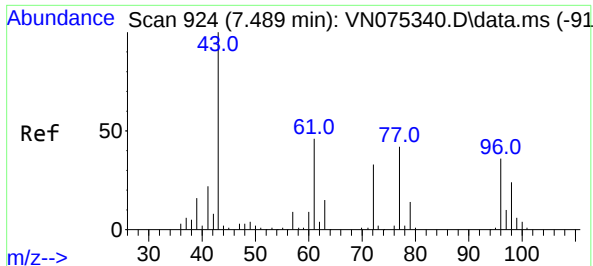
Tgt Ion: 43 Resp: 5107
Ion Ratio Lower Upper
43 100
74 9.8 22.0 33.0#



#20
Methylene Chloride
Concen: 2.420 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

Tgt Ion: 84 Resp: 6961
Ion Ratio Lower Upper
84 100
49 111.5 94.9 142.3
51 32.8 26.8 40.2
86 71.3 53.7 80.5

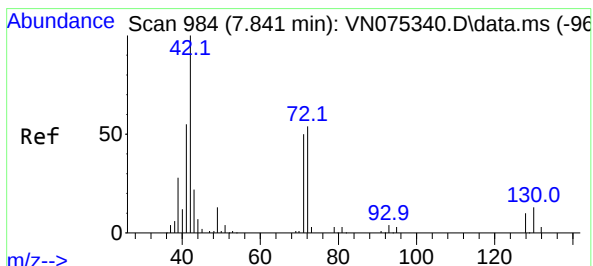
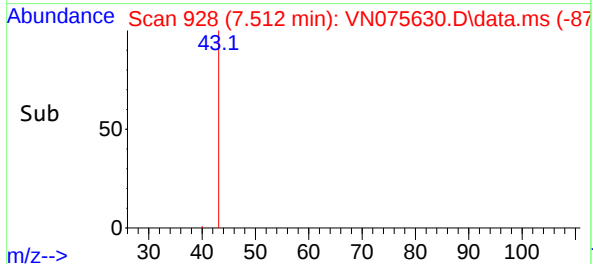
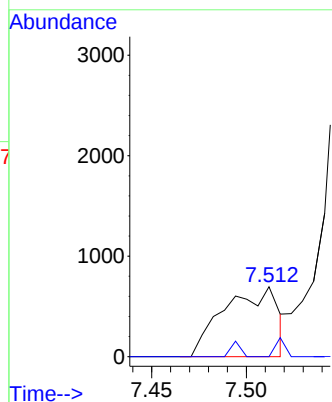
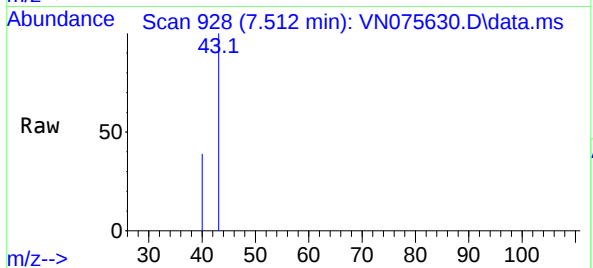




#25
2-Butanone
Concen: 1.037 ug/l
RT: 7.512 min Scan# 91
Delta R.T. 0.023 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

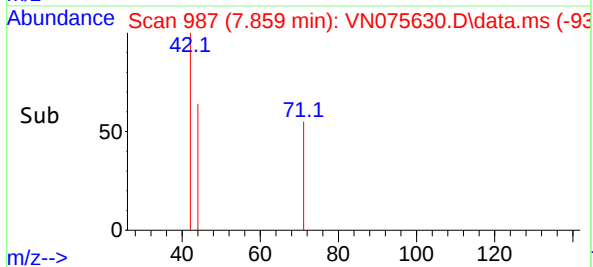
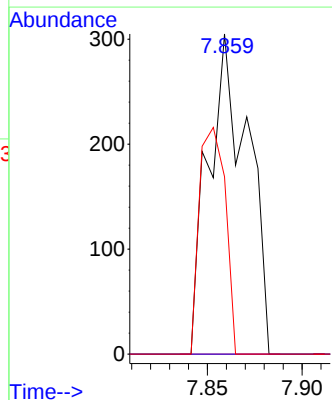
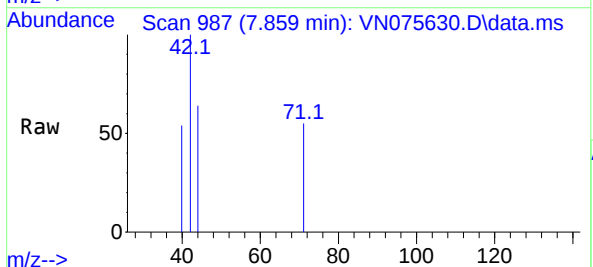
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE02

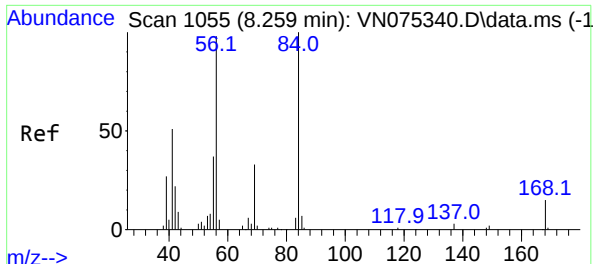
Tgt Ion: 43 Resp: 1367
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#29
Tetrahydrofuran
Concen: 0.550 ug/l
RT: 7.859 min Scan# 987
Delta R.T. 0.018 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

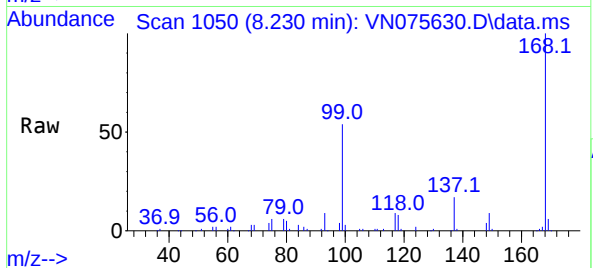
Tgt Ion: 42 Resp: 441
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 46.7 39.9 59.9



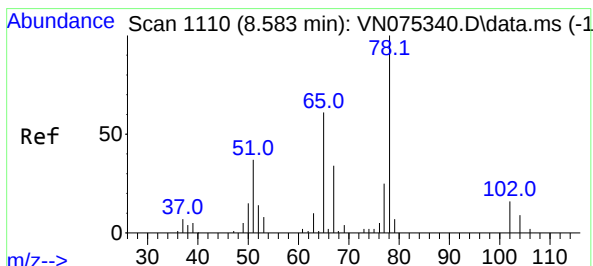
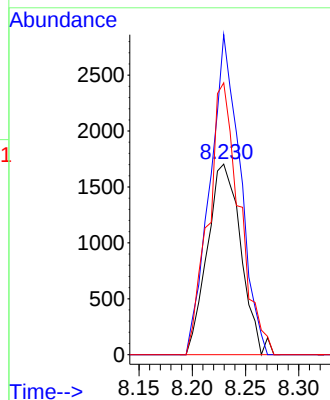
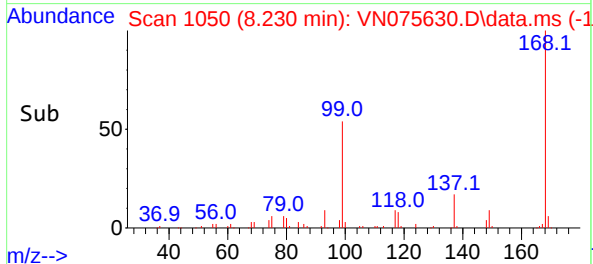


#31
Cyclohexane
Concen: 1.160 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE02

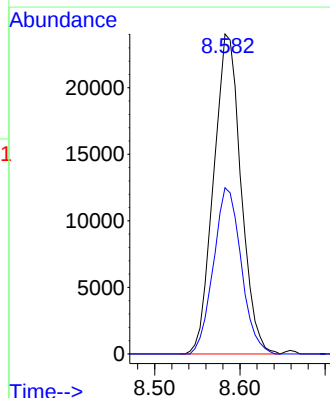
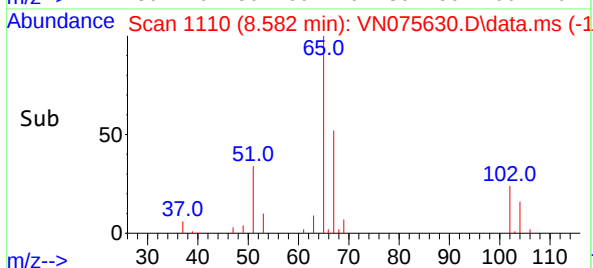
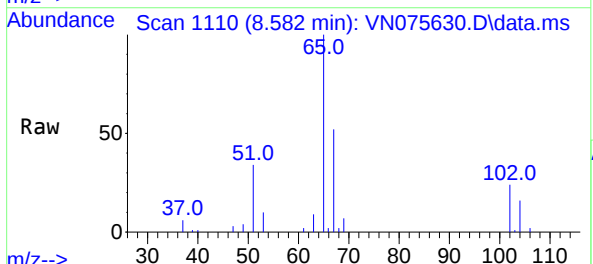


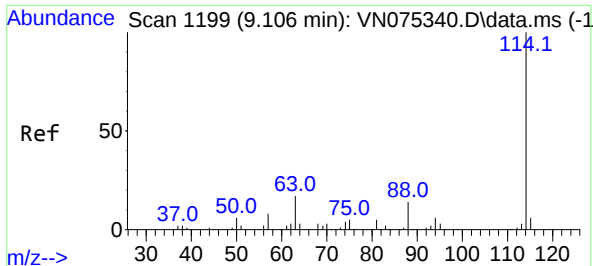
Tgt Ion: 56 Resp: 3731
Ion Ratio Lower Upper
56 100
69 167.9 25.2 37.8#
84 142.6 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 52.960 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

Tgt Ion: 65 Resp: 53598
Ion Ratio Lower Upper
65 100
67 52.6 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: VN075630.D

Acq: 08 Dec 2022 00:44

Instrument :

MSVOA_N

ClientSampleId :

PB149441ZHE02

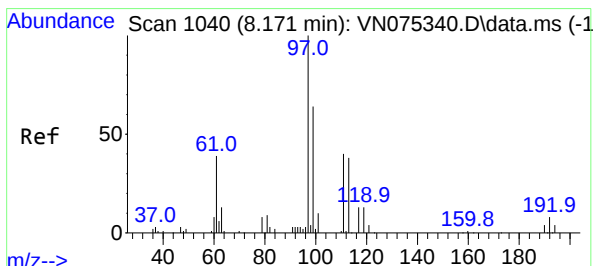
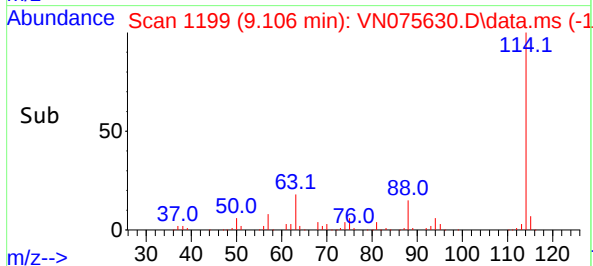
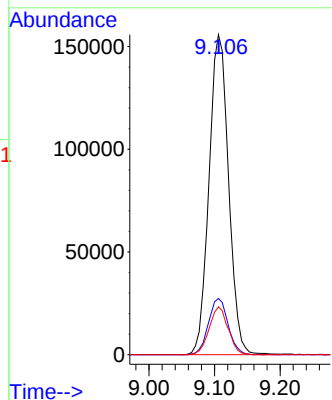
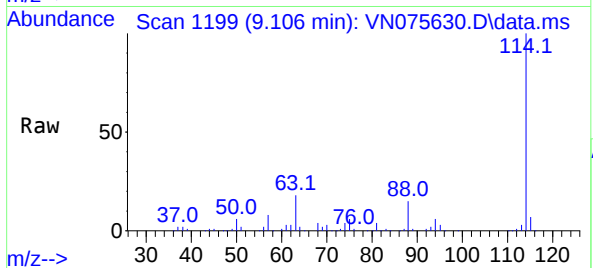
Tgt Ion:114 Resp: 323188

Ion Ratio Lower Upper

114 100

63 17.5 0.0 39.6

88 14.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 53.415 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075630.D

Acq: 08 Dec 2022 00:44

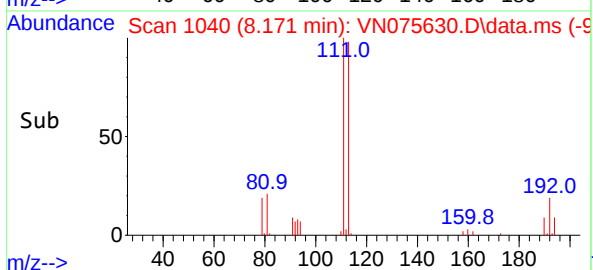
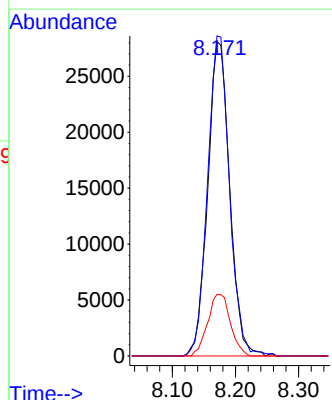
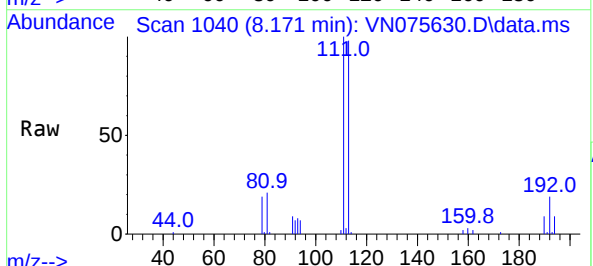
Tgt Ion:113 Resp: 67815

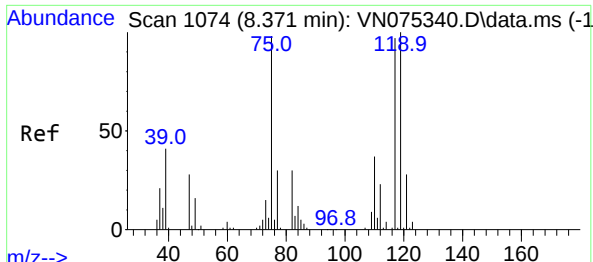
Ion Ratio Lower Upper

113 100

111 101.3 80.5 120.7

192 20.3 13.2 19.8#

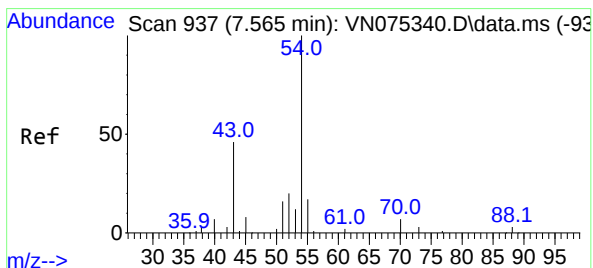
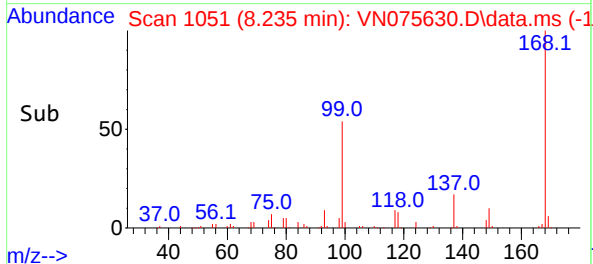
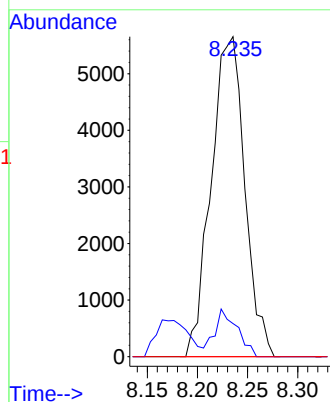
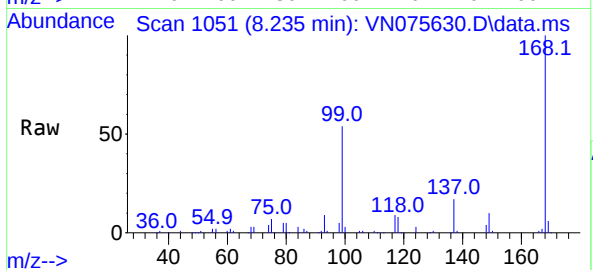




#36
1,1-Dichloropropene
Concen: 4.758 ug/l
RT: 8.235 min Scan# 1074
Delta R.T. -0.136 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

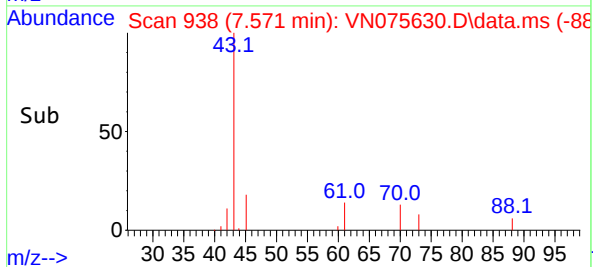
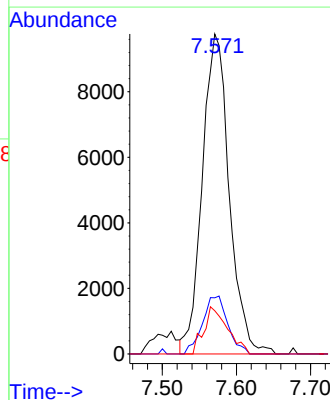
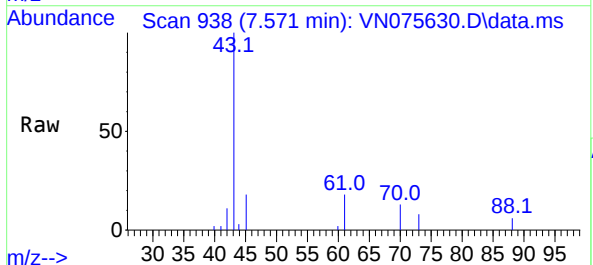
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE02

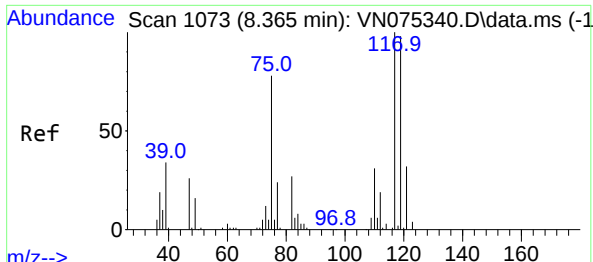
Tgt Ion: 75 Resp: 13174
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 9.901 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

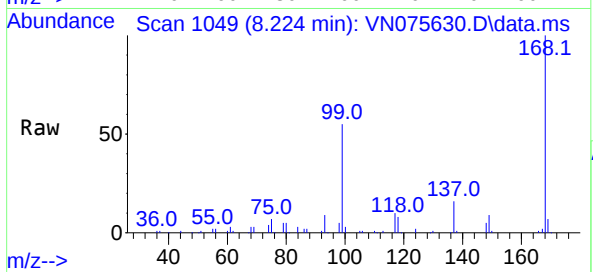
Tgt Ion: 43 Resp: 24683
Ion Ratio Lower Upper
43 100
61 16.9 12.2 18.4
70 12.9 9.4 14.2



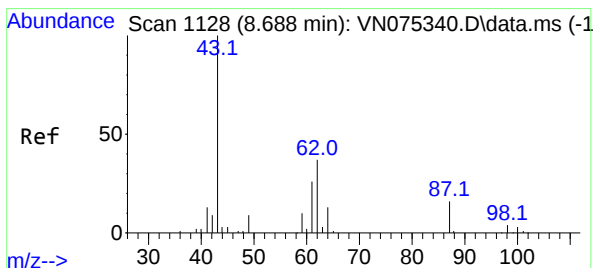
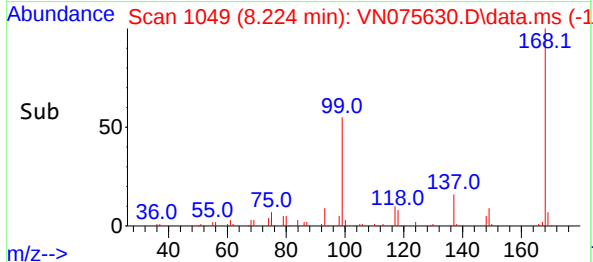
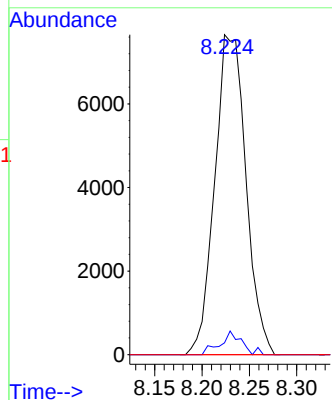


#38
Carbon Tetrachloride
Concen: 5.759 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.141 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE02

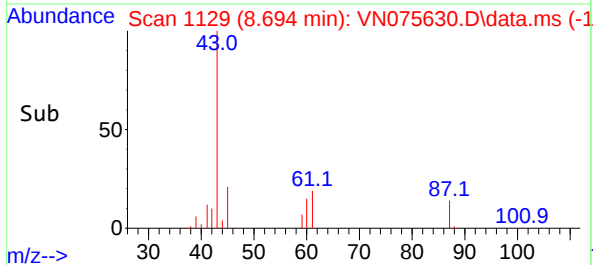
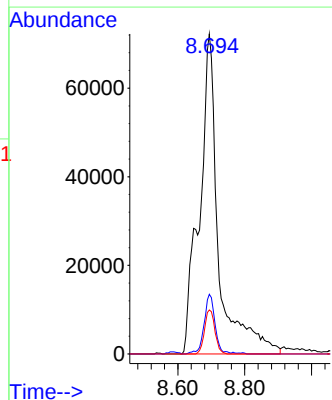
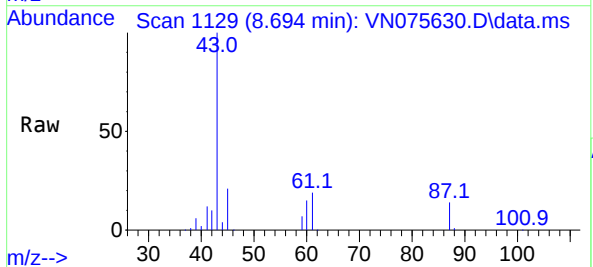


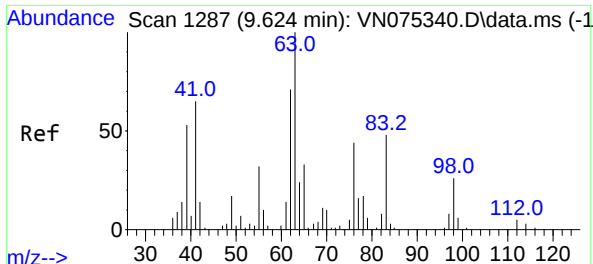
Tgt Ion:117 Resp: 17517
Ion Ratio Lower Upper
117 100
119 3.7 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 72.051 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

Tgt Ion: 43 Resp: 288318
Ion Ratio Lower Upper
43 100
61 10.5 22.4 33.6#
87 7.4 12.5 18.7#

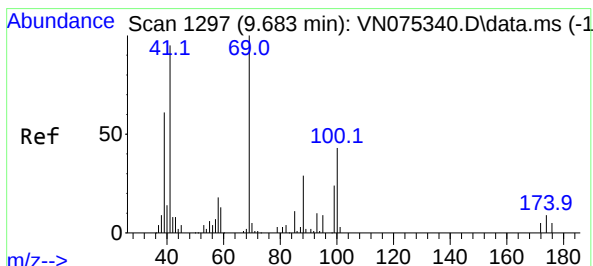
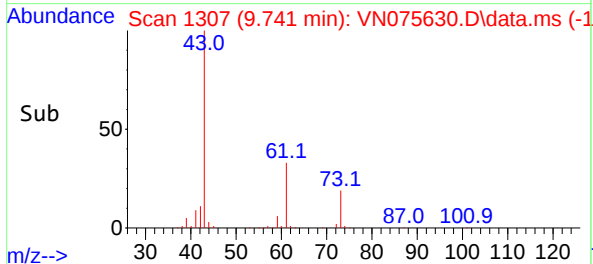
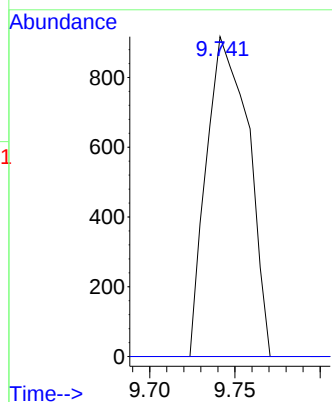
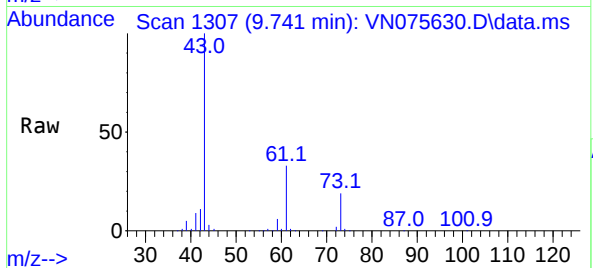




#45
1,2-Dichloropropane
Concen: 0.778 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

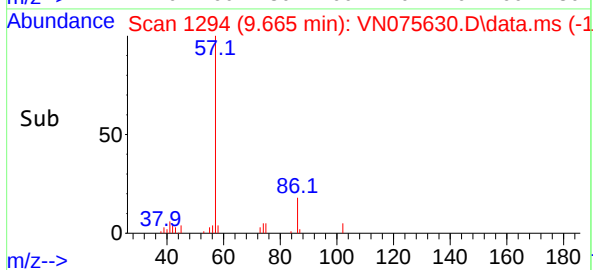
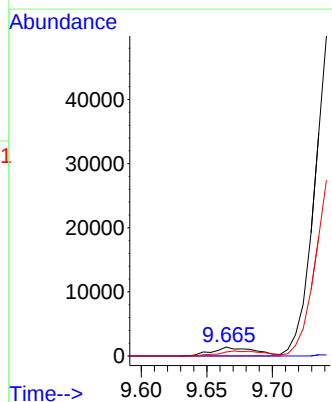
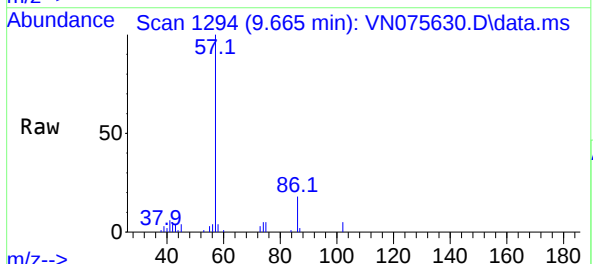
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE02

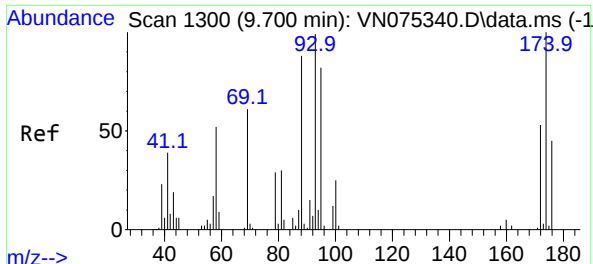
Tgt Ion: 63 Resp: 1572
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 1.672 ug/l
RT: 9.665 min Scan# 1294
Delta R.T. -0.018 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

Tgt Ion: 41 Resp: 3093
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 58.2 56.2 84.2

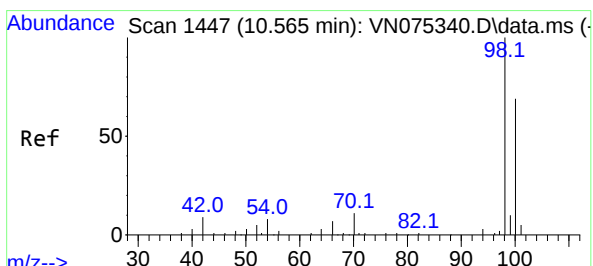
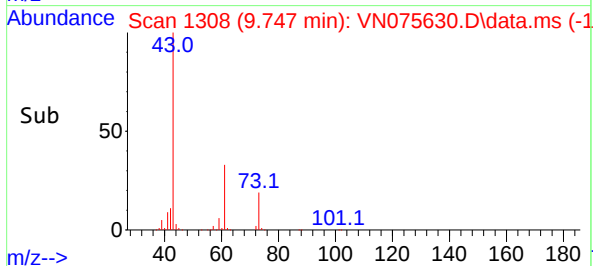
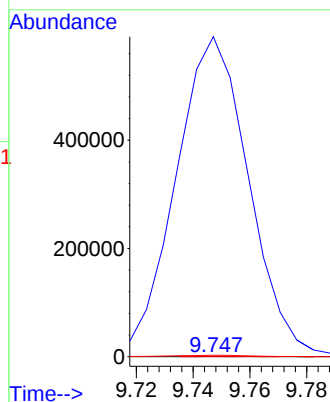
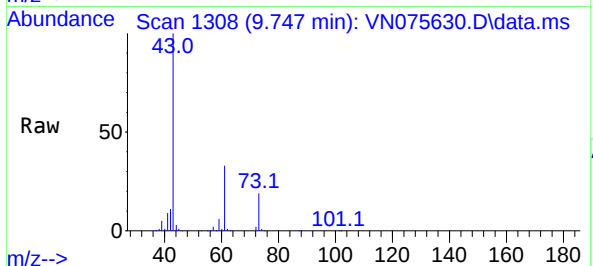




#49
1,4-Dioxane
Concen: 2.893 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

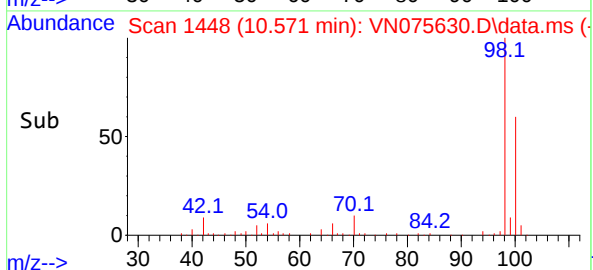
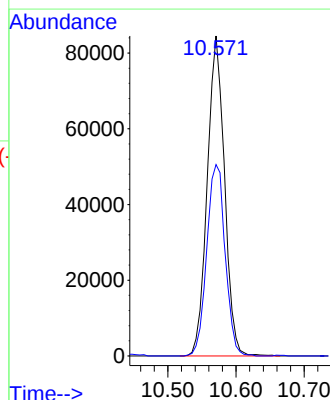
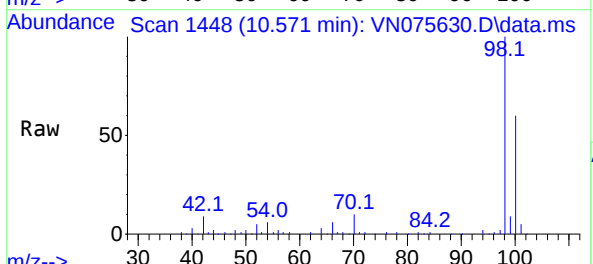
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE02

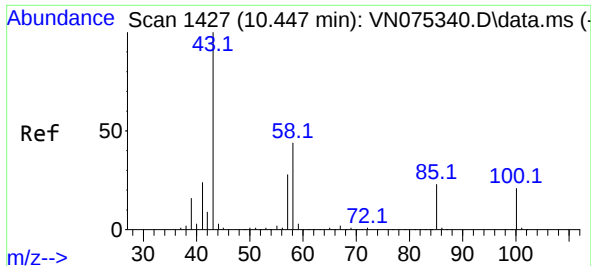
Tgt Ion: 88 Resp: 152
Ion Ratio Lower Upper
88 100
43 700448.7 17.5 26.3#
58 3186.2 49.8 74.8#



#50
Toluene-d8
Concen: 52.167 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

Tgt Ion: 98 Resp: 149169
Ion Ratio Lower Upper
98 100
100 63.7 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 1.774 ug/l

RT: 10.453 min Scan# 1427

Delta R.T. 0.006 min

Lab File: VN075630.D

Acq: 08 Dec 2022 00:44

Instrument :

MSVOA_N

ClientSampleId :

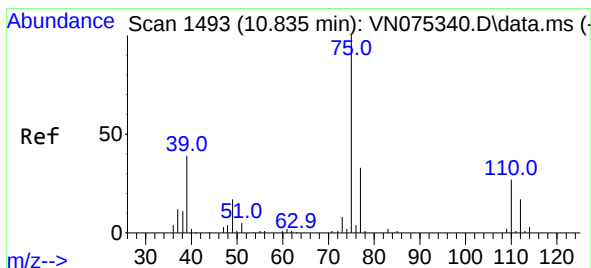
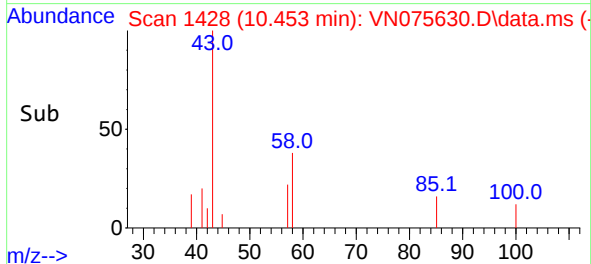
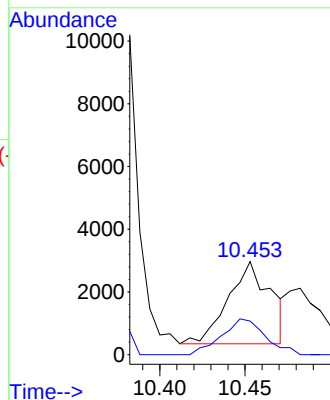
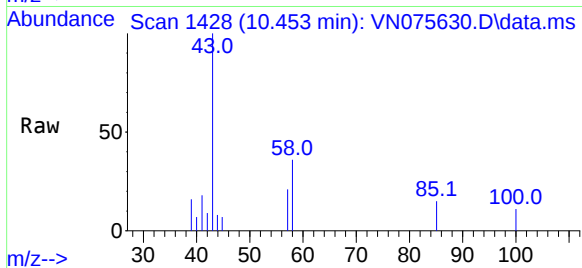
PB149441ZHE02

Tgt Ion: 43 Resp: 4521

Ion Ratio Lower Upper

43 100

58 44.8 33.6 50.4



#53

t-1,3-Dichloropropene

Concen: 0.296 ug/l

RT: 10.735 min Scan# 1476

Delta R.T. -0.100 min

Lab File: VN075630.D

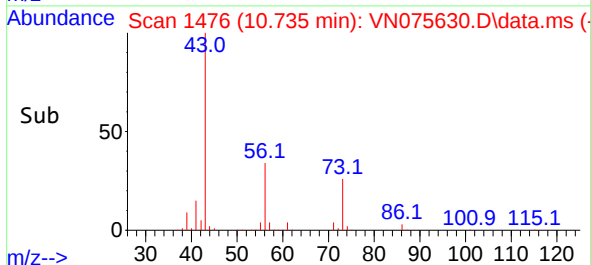
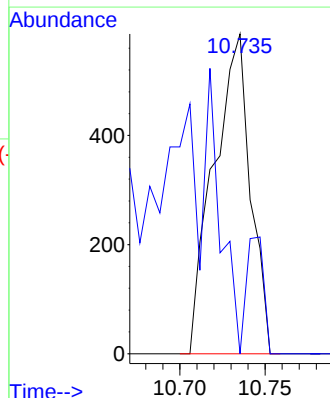
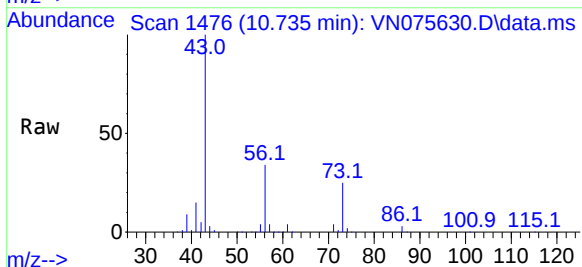
Acq: 08 Dec 2022 00:44

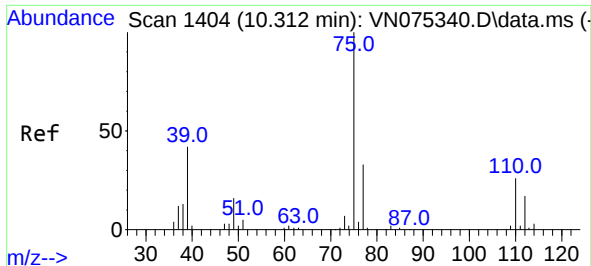
Tgt Ion: 75 Resp: 878

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

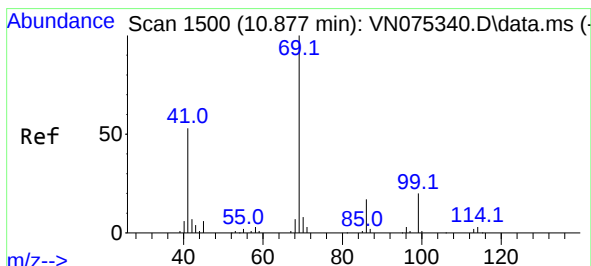
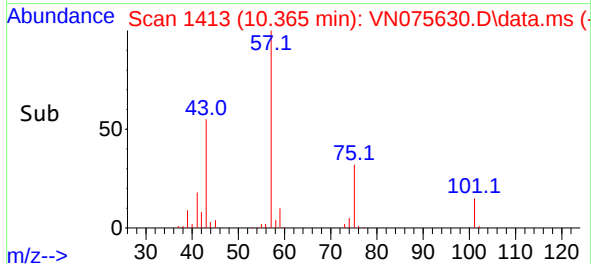
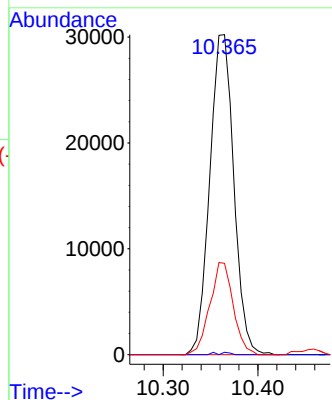
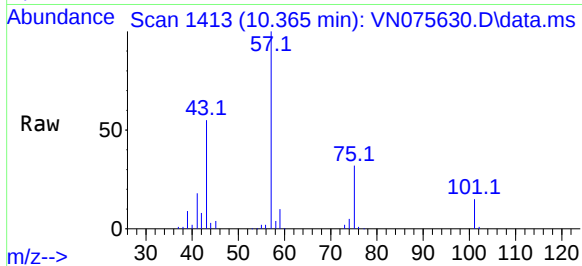




#54
cis-1,3-Dichloropropene
Concen: 16.526 ug/l
RT: 10.365 min Scan# 1413
Delta R.T. 0.053 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

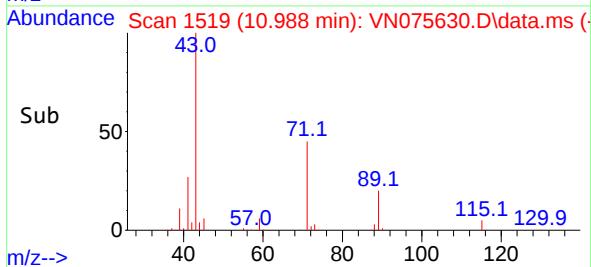
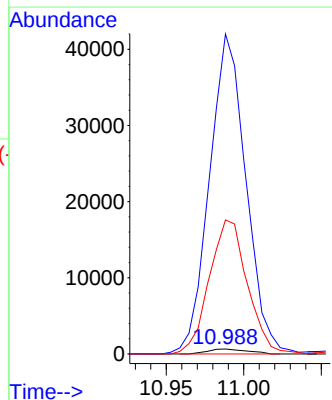
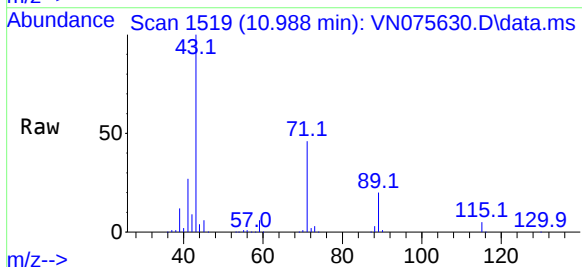
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE02

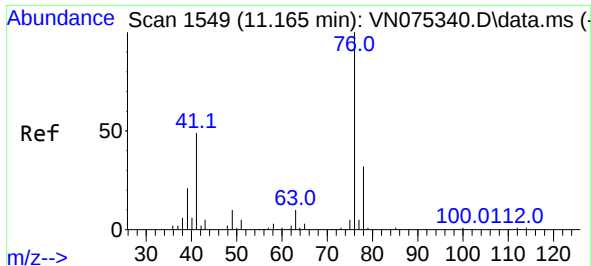
Tgt Ion: 75 Resp: 53317
Ion Ratio Lower Upper
75 100
77 0.7 23.7 35.5#
39 28.6 35.8 53.6#



#56
Ethyl methacrylate
Concen: 0.385 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.111 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

Tgt Ion: 69 Resp: 1156
Ion Ratio Lower Upper
69 100
41 5964.2 45.6 68.4#
39 2602.4 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.894 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN075630.D

Acq: 08 Dec 2022 00:44

Instrument :

MSVOA_N

ClientSampleId :

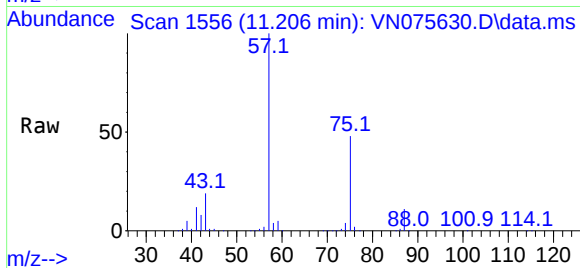
PB149441ZHE02

Tgt Ion: 76 Resp: 6871

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



Abundance

11.206

4000

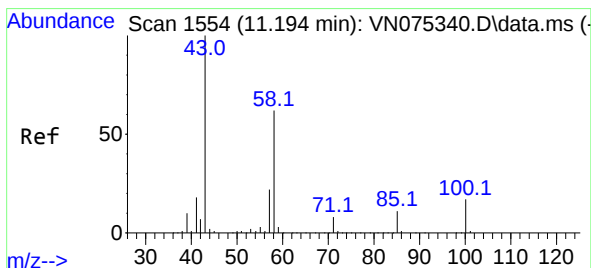
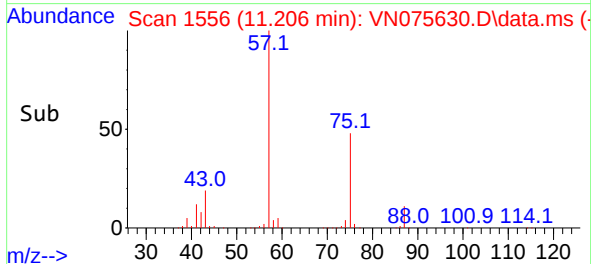
3000

2000

1000

0

Time-->



#59

2-Hexanone

Concen: 58.583 ug/l

RT: 11.176 min Scan# 1551

Delta R.T. -0.018 min

Lab File: VN075630.D

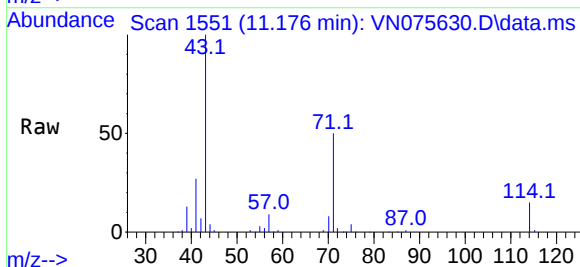
Acq: 08 Dec 2022 00:44

Tgt Ion: 43 Resp: 112118

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#



Abundance

11.176

50000

40000

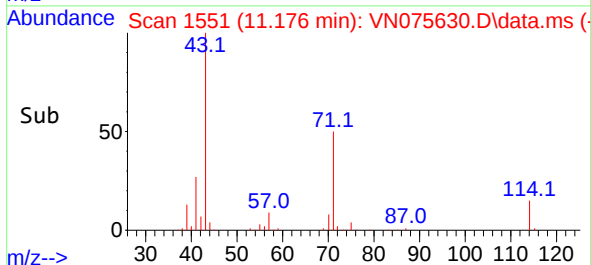
30000

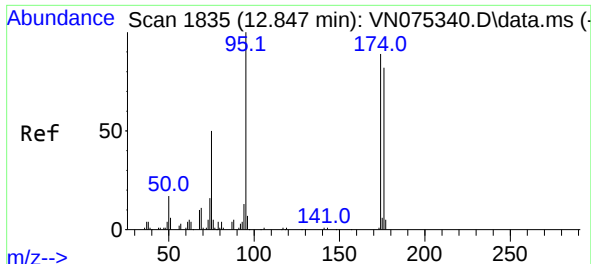
20000

10000

0

Time-->

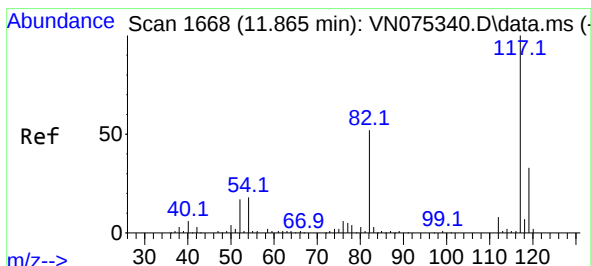
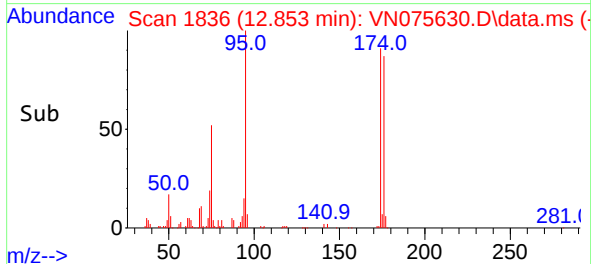
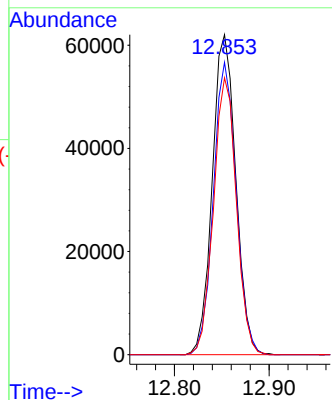
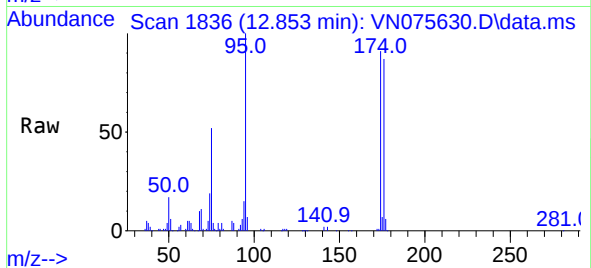




#62
4-Bromofluorobenzene
Concen: 50.609 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

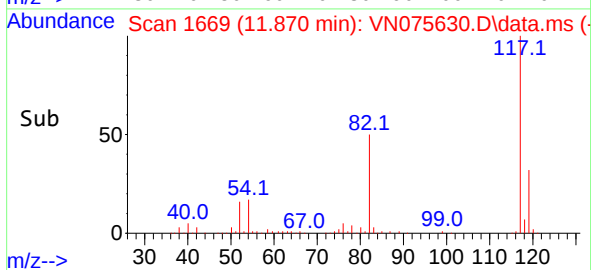
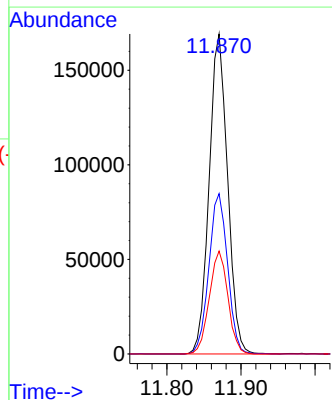
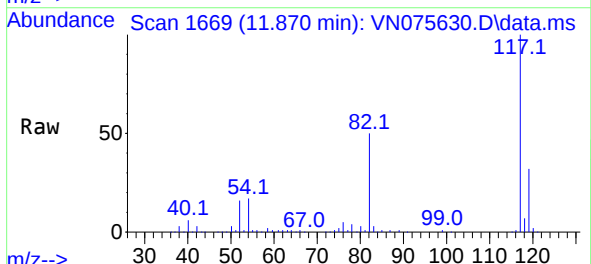
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE02

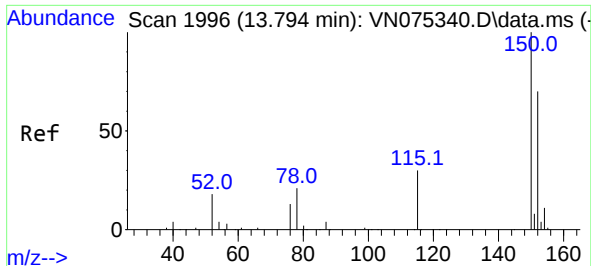
Tgt Ion: 95 Resp: 106815
Ion Ratio Lower Upper
95 100
174 88.8 0.0 147.4
176 84.5 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

Tgt Ion: 117 Resp: 292488
Ion Ratio Lower Upper
117 100
82 50.1 43.1 64.7
119 32.1 25.5 38.3

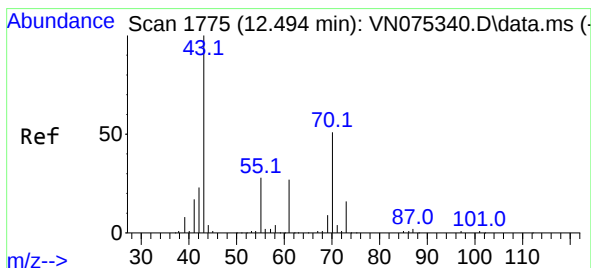
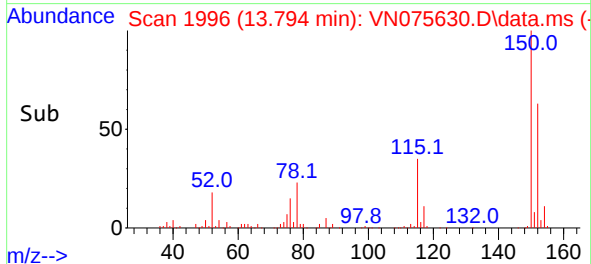
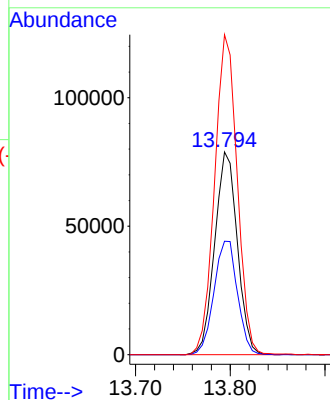
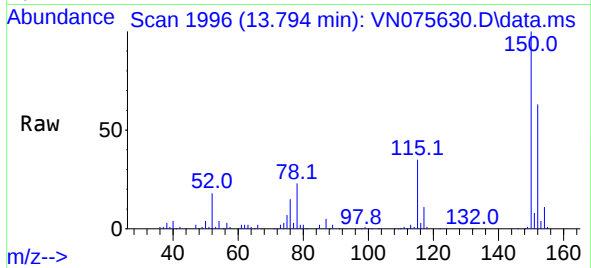




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

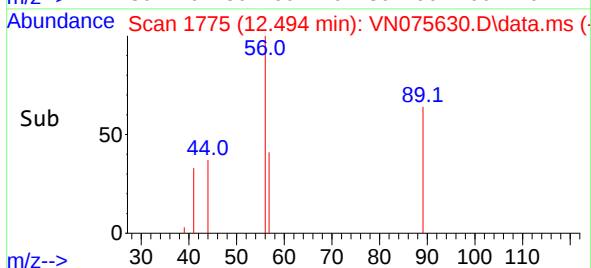
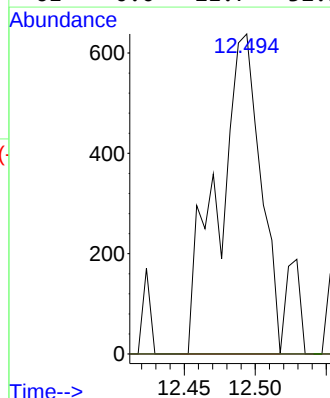
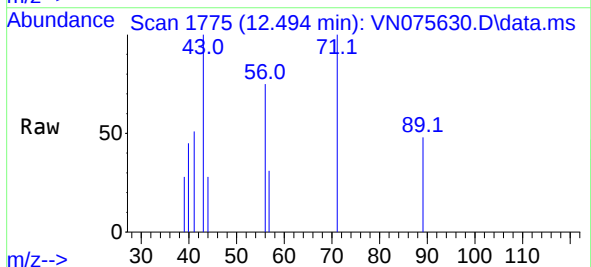
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE02

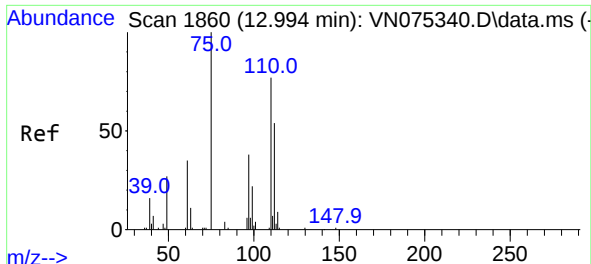
Tgt Ion:152 Resp: 131157
Ion Ratio Lower Upper
152 100
115 58.1 30.2 90.6
150 157.6 0.0 348.4



#74
N-ethyl acetate
Concen: 0.453 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

Tgt Ion: 43 Resp: 1335
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#

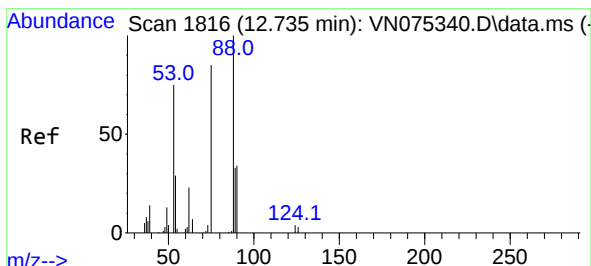
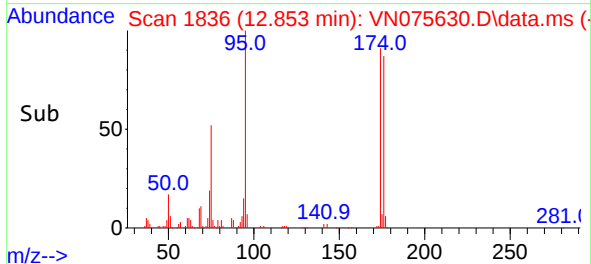
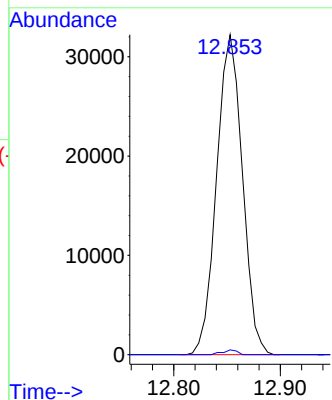
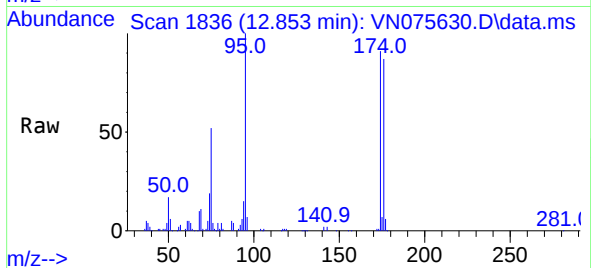




#76
1,2,3-Trichloropropane
Concen: 21.868 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

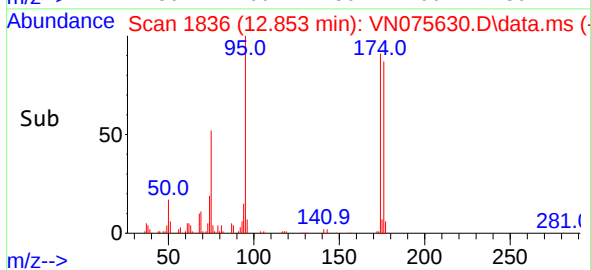
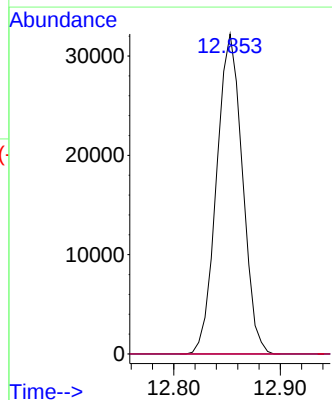
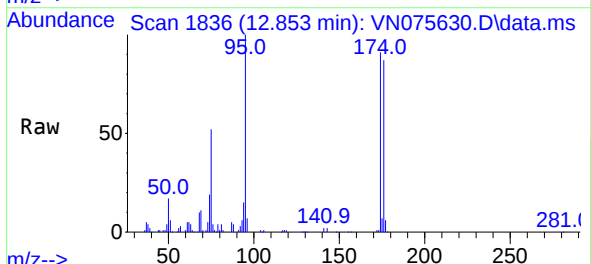
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE02

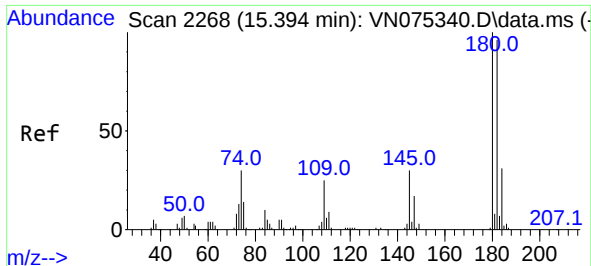
Tgt Ion: 75 Resp: 54229
Ion Ratio Lower Upper
75 100
77 0.8 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.702 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

Tgt Ion: 75 Resp: 54229
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

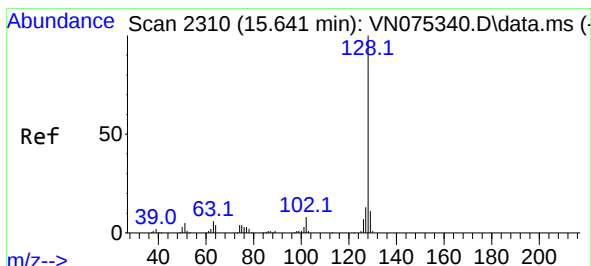
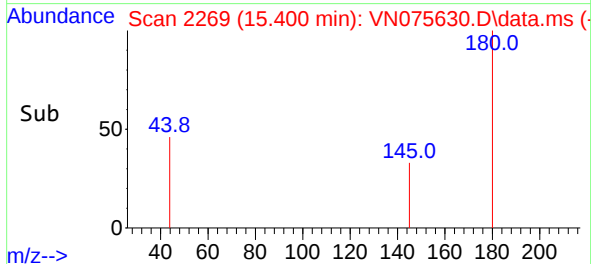
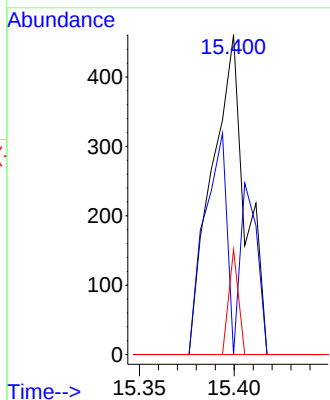
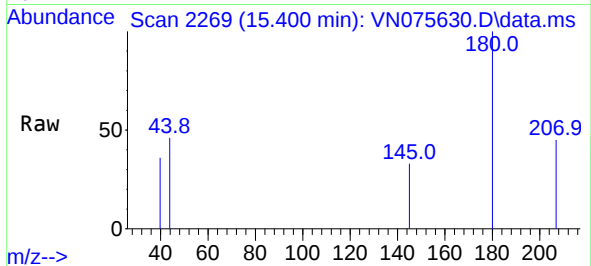




#93
1,2,4-Trichlorobenzene
Concen: 0.254 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE02

Tgt Ion:180 Resp: 568
Ion Ratio Lower Upper
180 100
182 45.6 47.8 143.4#
145 9.3 16.8 50.3#



#95
Naphthalene
Concen: 0.315 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075630.D
Acq: 08 Dec 2022 00:44

Tgt Ion:128 Resp: 2221
Ion Ratio Lower Upper
128 100
127 10.8 10.4 15.6
129 6.0 8.6 12.8#

