

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112322\
 Data File : VN075402.D
 Acq On : 23 Nov 2022 17:35
 Operator : JC\MD
 Sample : PB149245ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149245ZHE#05

Quant Time: Nov 24 06:53:07 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

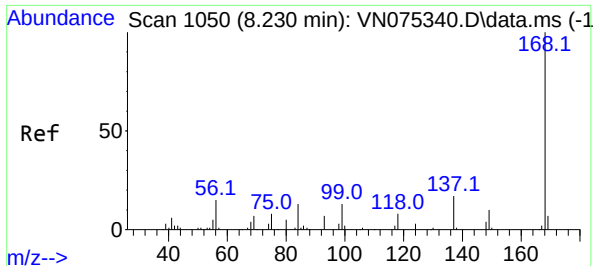
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	159434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	281775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	255494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	111794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	43401	50.713	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.420%			
35) Dibromofluoromethane	8.171	113	52635	47.552	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.100%			
50) Toluene-d8	10.571	98	122877	49.288	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.580%			
62) 4-Bromofluorobenzene	12.853	95	86832	47.188	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.380%			
Target Compounds						Qvalue
8) Diethyl Ether	3.977	74	2850	2.977	ug/l	91
11) Tert butyl alcohol	5.524	59	672	1.870	ug/l #	72
16) Acetone	4.442	43	59563	74.615	ug/l	94
18) Methyl Acetate	5.036	43	4734	1.085	ug/l #	86
20) Methylene Chloride	5.289	84	17228	9.610	ug/l	86
25) 2-Butanone	7.500	43	2320	2.082	ug/l #	78
31) Cyclohexane	8.230	56	3062	1.126	ug/l #	35
36) 1,1-Dichloropropene	8.230	75	10693	4.430	ug/l #	51
37) Ethyl Acetate	7.577	43	22165	10.198	ug/l	98
38) Carbon Tetrachloride	8.235	117	15922	6.004	ug/l #	15
42) 1,2-Dichloroethane	8.700	62	675	0.273	ug/l #	75
43) Isopropyl Acetate	8.694	43	182352	52.268	ug/l #	77
45) 1,2-Dichloropropane	9.741	63	1230	0.698	ug/l #	42
48) Methyl methacrylate	9.676	41	2968	1.840	ug/l #	35
49) 1,4-Dioxane	9.741	88	61	1.332	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	4377	1.970	ug/l	97
53) t-1,3-Dichloropropene	10.729	75	645	0.249	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	44454	15.804	ug/l #	60
56) Ethyl methacrylate	10.982	69	742	0.283	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5783	1.828	ug/l #	42
59) 2-Hexanone	11.171	43	82943	49.709	ug/l #	21
74) N-amyl acetate	12.488	43	834	0.332	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	42887	20.290	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	42887	60.033	ug/l #	10

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

Quant Time: Nov 24 06:53:07 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# 1050

Delta R.T. -0.000 min

Lab File: VN075402.D

Acq: 23 Nov 2022 17:35

Instrument :

MSVOA_N

ClientSampleId :

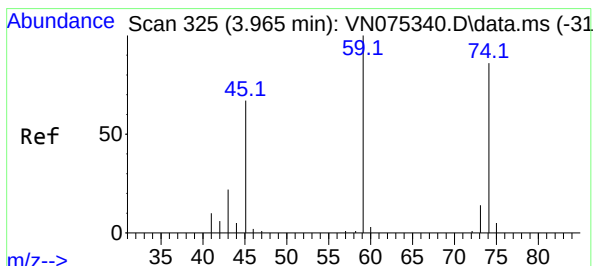
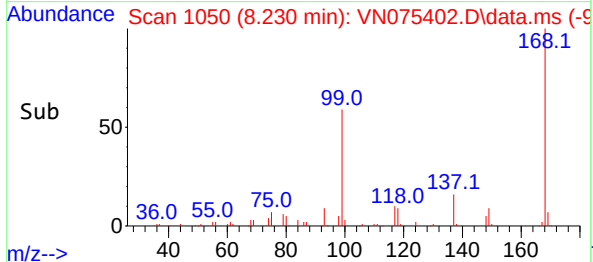
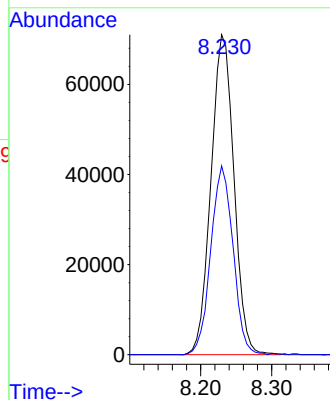
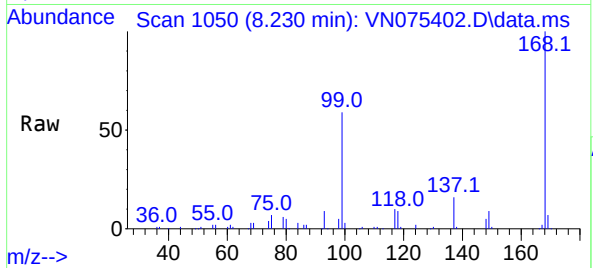
PB149245ZHE#05

Tgt Ion:168 Resp: 159434

Ion Ratio Lower Upper

168 100

99 59.0 51.6 77.4



#8

Diethyl Ether

Concen: 2.977 ug/l

RT: 3.977 min Scan# 327

Delta R.T. 0.012 min

Lab File: VN075402.D

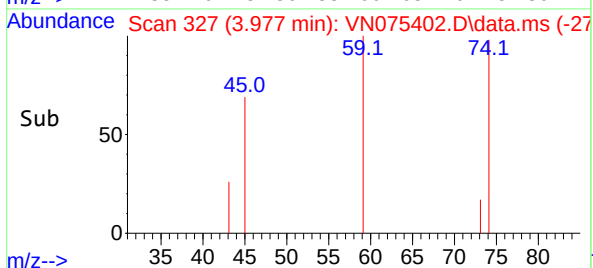
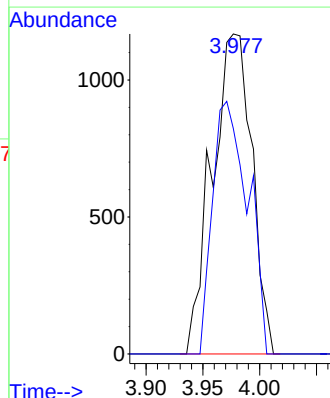
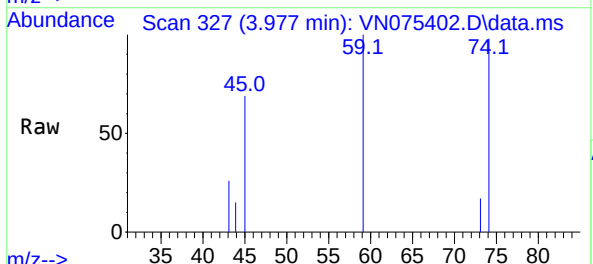
Acq: 23 Nov 2022 17:35

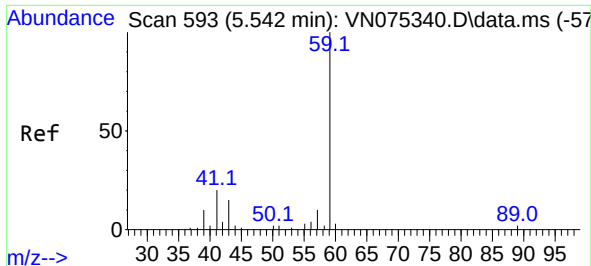
Tgt Ion: 74 Resp: 2850

Ion Ratio Lower Upper

74 100

45 70.4 39.3 117.9

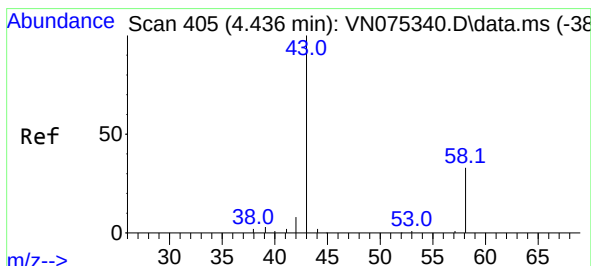
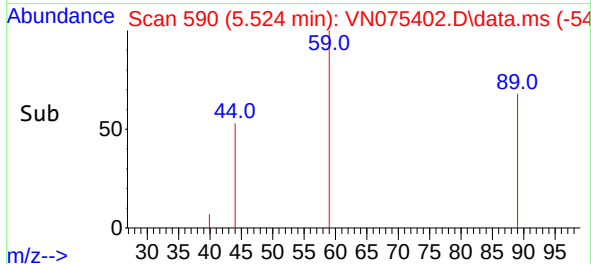
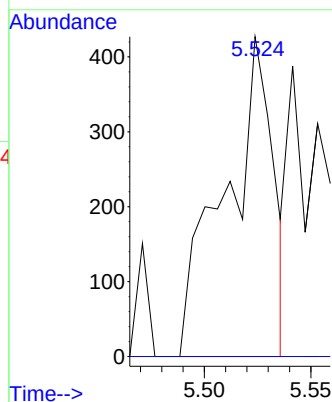
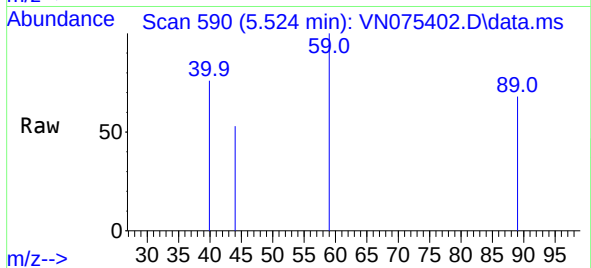




#11
Tert butyl alcohol
Concen: 1.870 ug/l
RT: 5.524 min Scan# 591
Delta R.T. -0.018 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

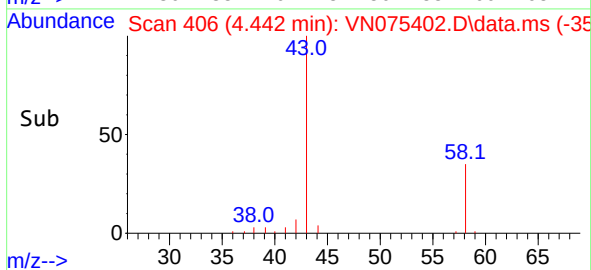
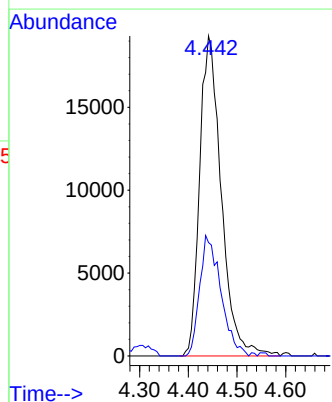
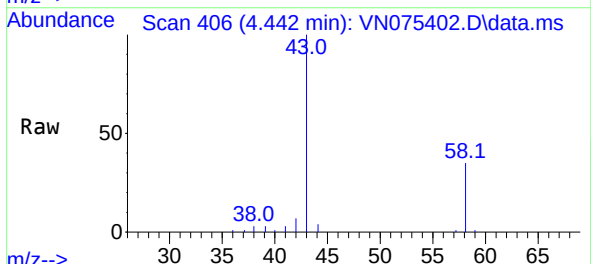
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#05

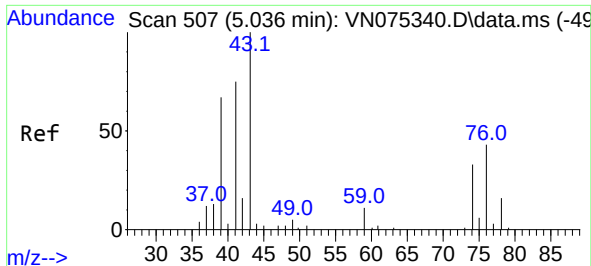
Tgt Ion: 59 Resp: 672
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 74.615 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

Tgt Ion: 43 Resp: 59563
Ion Ratio Lower Upper
43 100
58 35.5 25.5 38.3

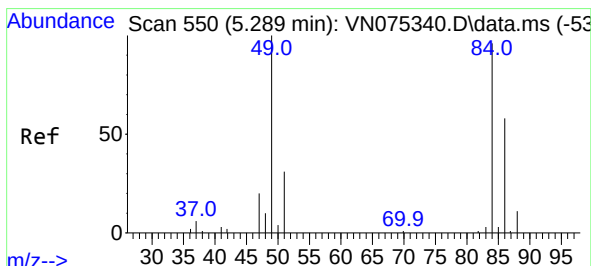
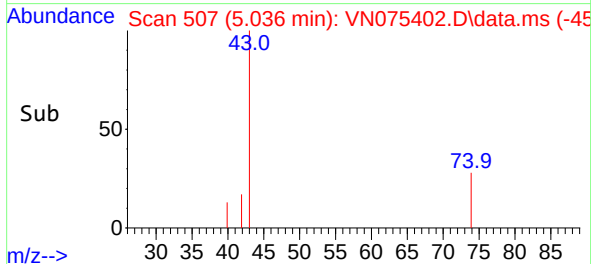
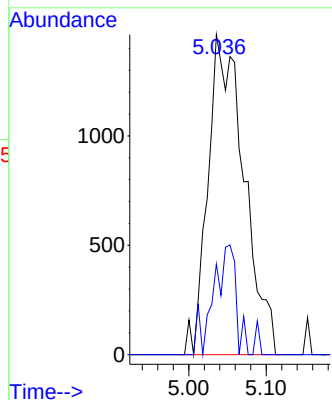
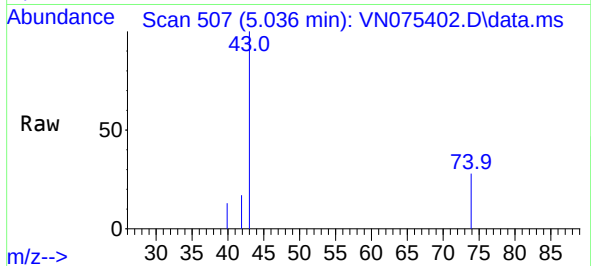




#18
Methyl Acetate
Concen: 1.085 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.000 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

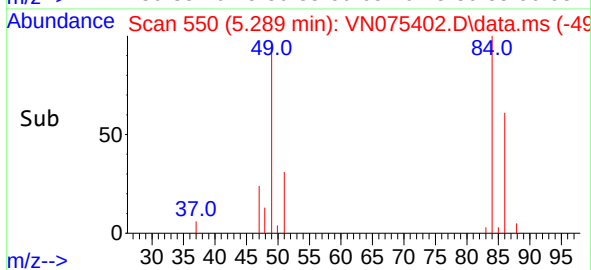
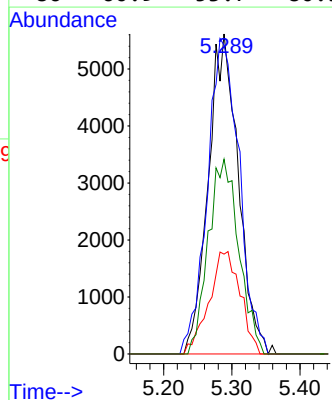
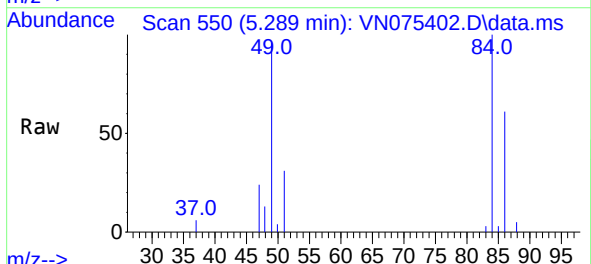
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#05

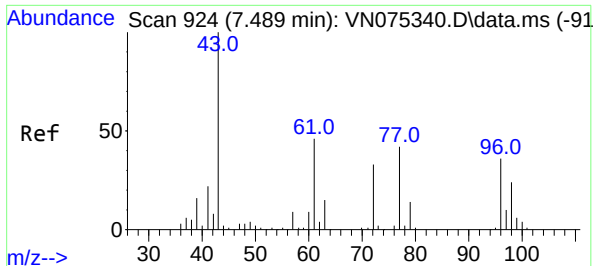
Tgt Ion: 43 Resp: 4734
Ion Ratio Lower Upper
43 100
74 20.1 22.0 33.0#



#20
Methylene Chloride
Concen: 9.610 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

Tgt Ion: 84 Resp: 17228
Ion Ratio Lower Upper
84 100
49 96.4 94.9 142.3
51 31.2 26.8 40.2
86 60.9 53.7 80.5

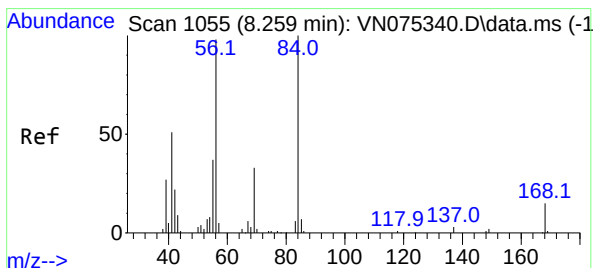
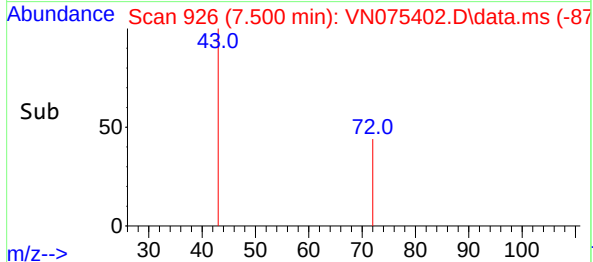
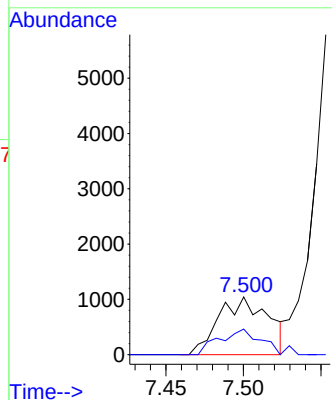
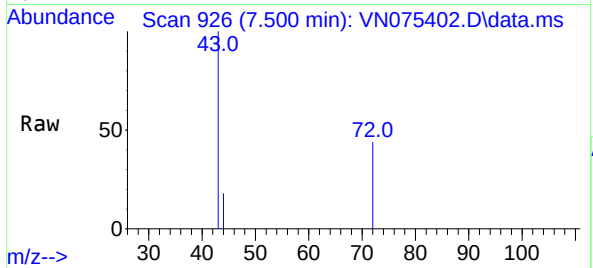




#25
2-Butanone
Concen: 2.082 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.011 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

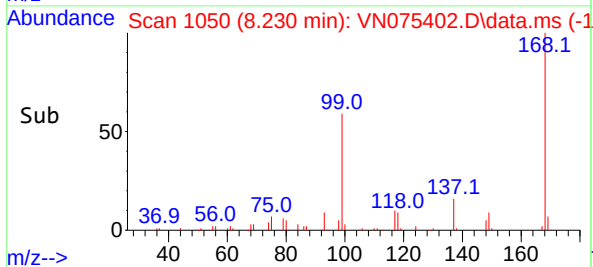
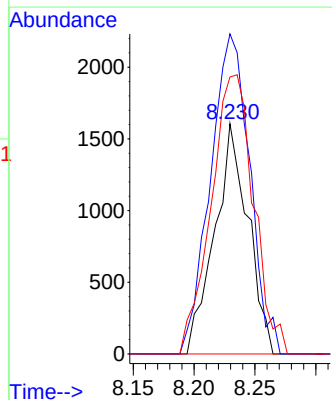
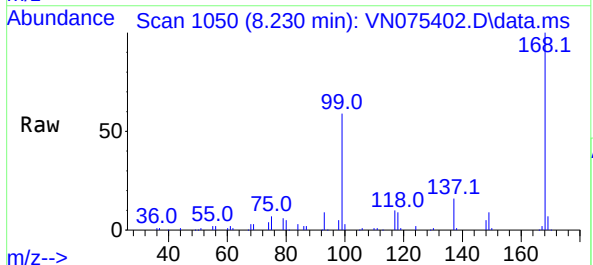
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#05

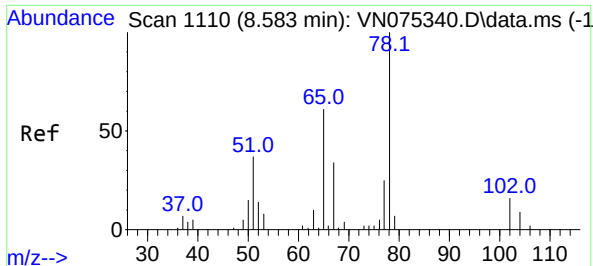
Tgt Ion: 43 Resp: 2320
Ion Ratio Lower Upper
43 100
72 44.3 25.5 38.3#



#31
Cyclohexane
Concen: 1.126 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

Tgt Ion: 56 Resp: 3062
Ion Ratio Lower Upper
56 100
69 139.0 25.2 37.8#
84 120.3 77.8 116.8#

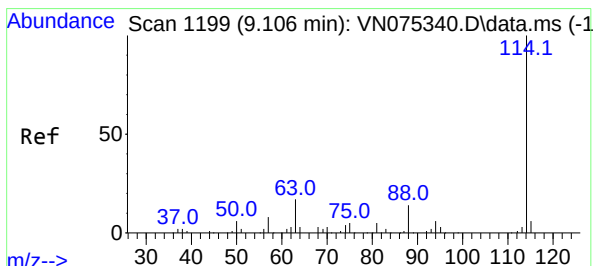
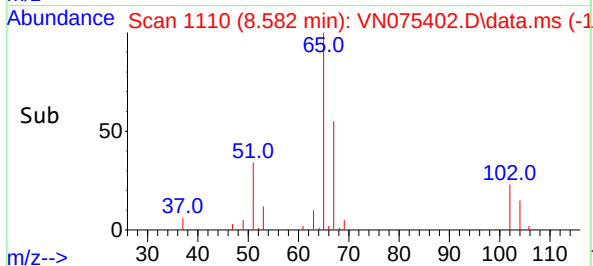
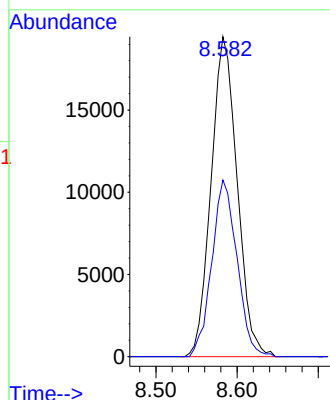
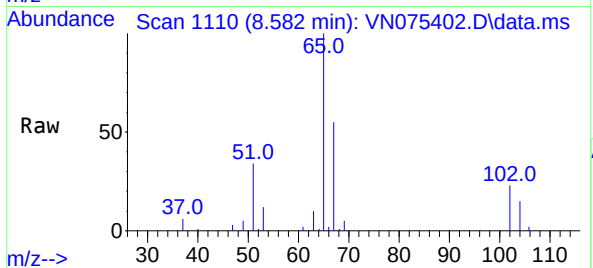




#33
1,2-Dichloroethane-d4
Concen: 50.713 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

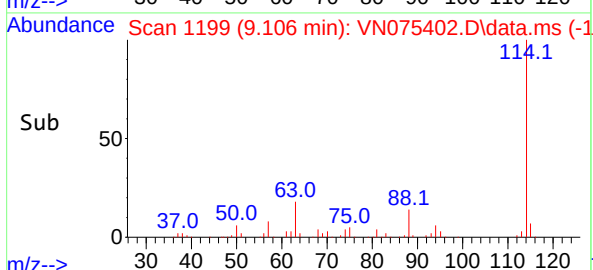
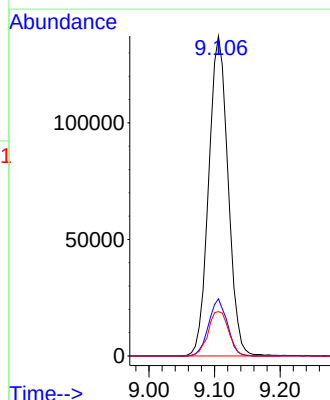
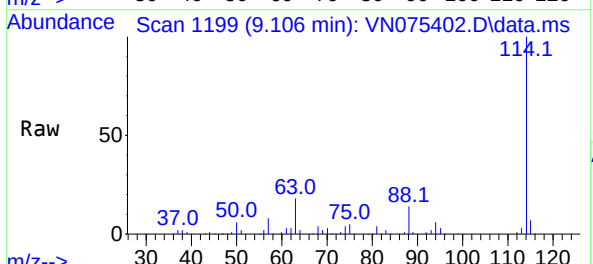
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#05

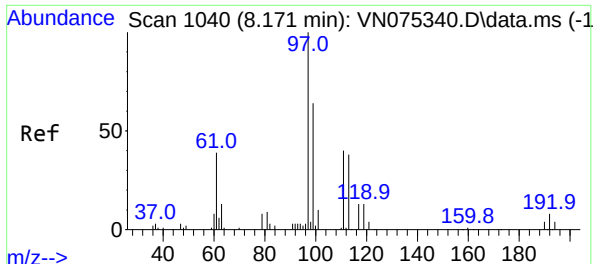
Tgt Ion: 65 Resp: 43401
Ion Ratio Lower Upper
65 100
67 53.5 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

Tgt Ion: 114 Resp: 281775
Ion Ratio Lower Upper
114 100
63 17.9 0.0 39.6
88 13.8 0.0 29.0

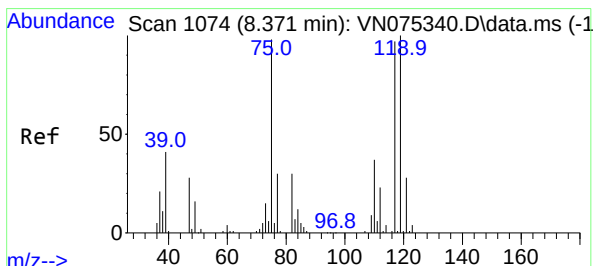
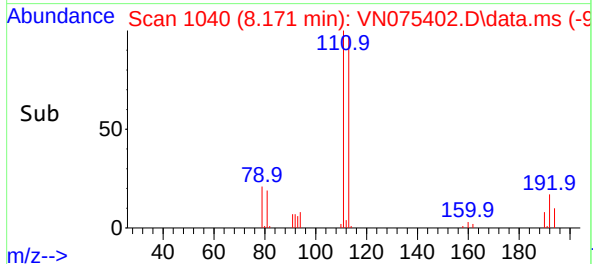
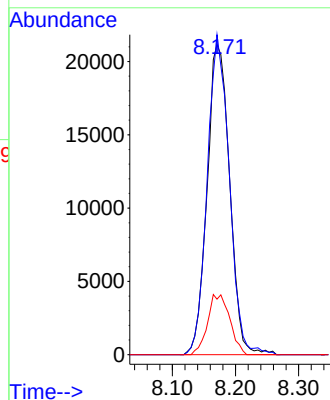
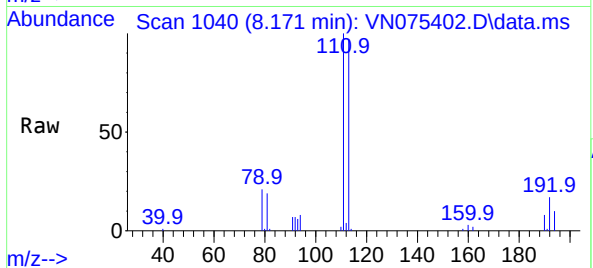




#35
Dibromofluoromethane
Concen: 47.552 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

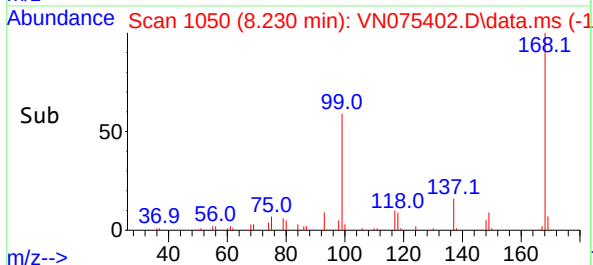
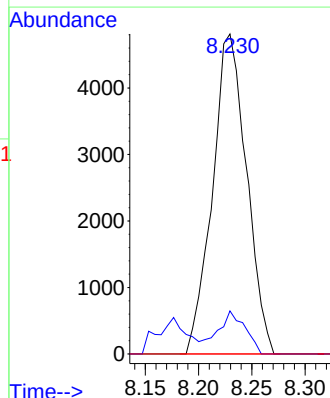
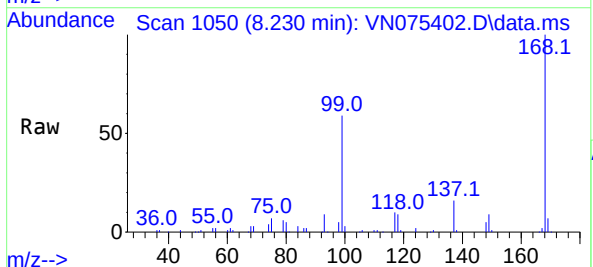
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#05

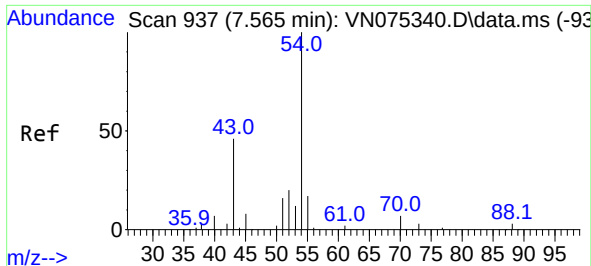
Tgt Ion:113 Resp: 52635
Ion Ratio Lower Upper
113 100
111 100.5 80.5 120.7
192 19.0 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.430 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

Tgt Ion: 75 Resp: 10693
Ion Ratio Lower Upper
75 100
110 11.0 17.8 53.3#
77 0.0 24.6 37.0#

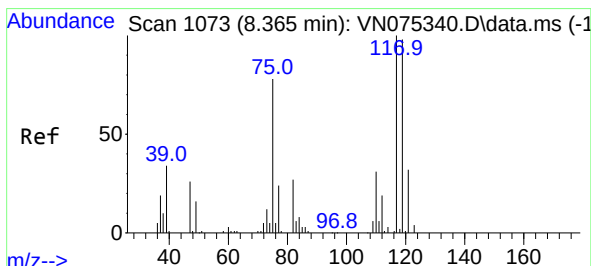
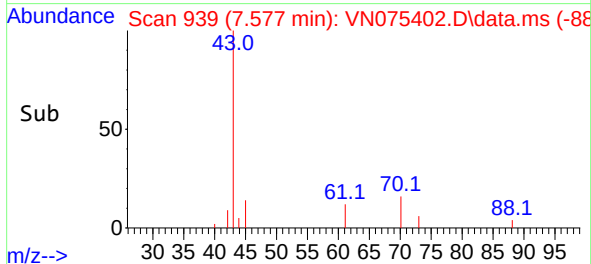
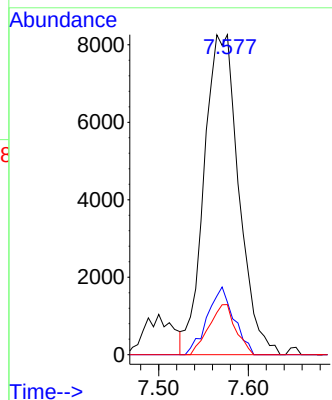
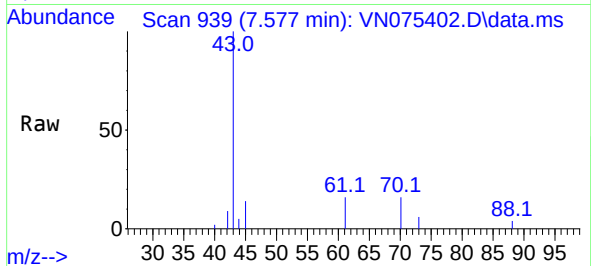




#37
Ethyl Acetate
Concen: 10.198 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

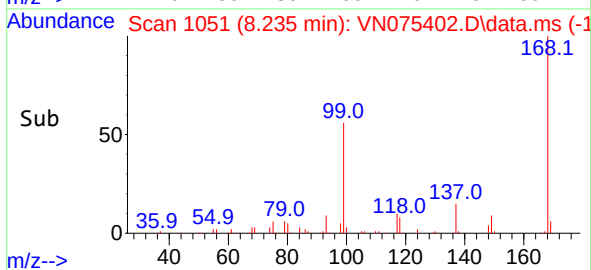
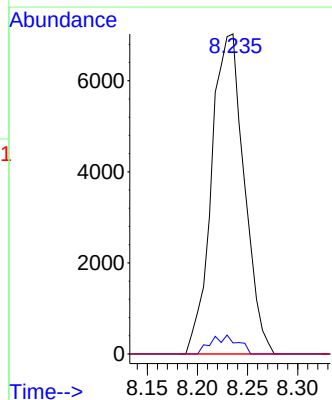
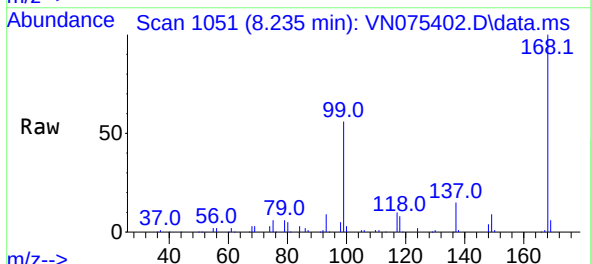
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#05

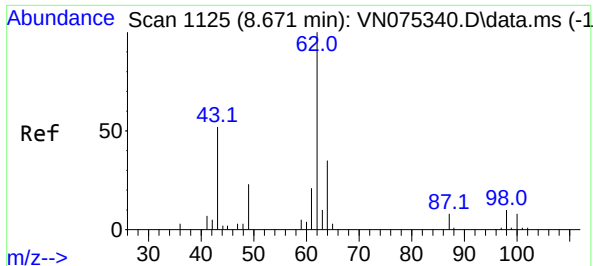
Tgt Ion:	43	Resp:	22165
Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.2	18.4
70	12.1	9.4	14.2



#38
Carbon Tetrachloride
Concen: 6.004 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.130 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

Tgt Ion:	117	Resp:	15922
Ion	Ratio	Lower	Upper
117	100		
119	3.5	76.7	115.1#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.273 ug/l

RT: 8.700 min Scan# 11

Delta R.T. 0.029 min

Lab File: VN075402.D

Acq: 23 Nov 2022 17:35

Instrument :

MSVOA_N

ClientSampleId :

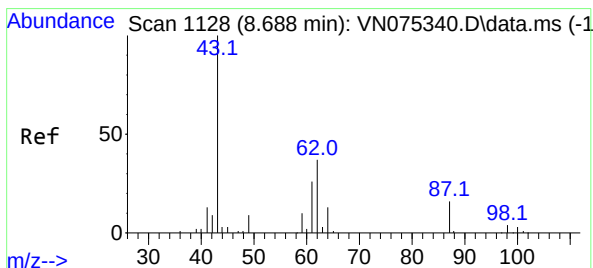
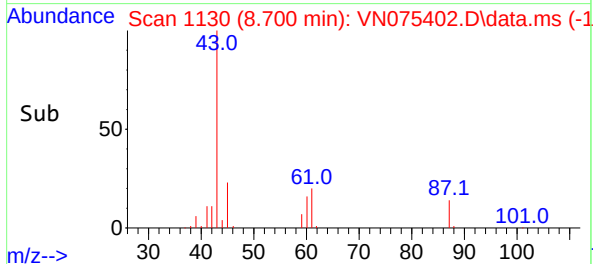
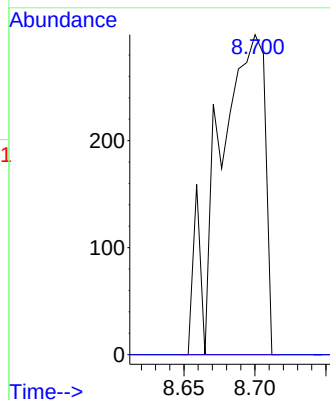
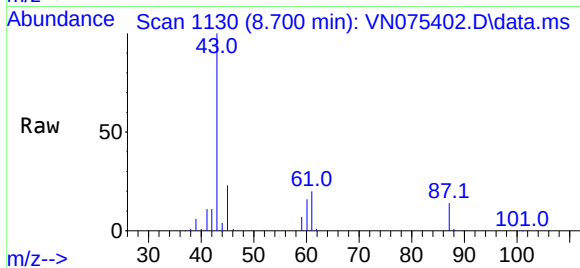
PB149245ZHE#05

Tgt Ion: 62 Resp: 675

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 52.268 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VN075402.D

Acq: 23 Nov 2022 17:35

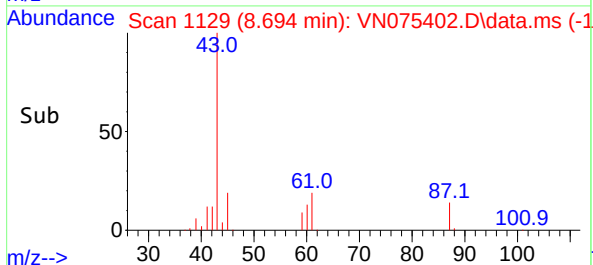
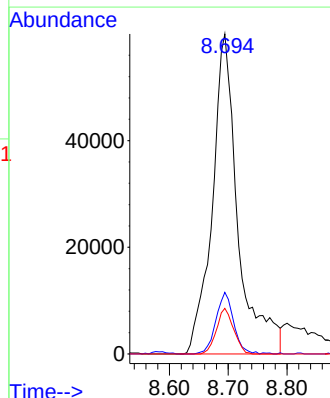
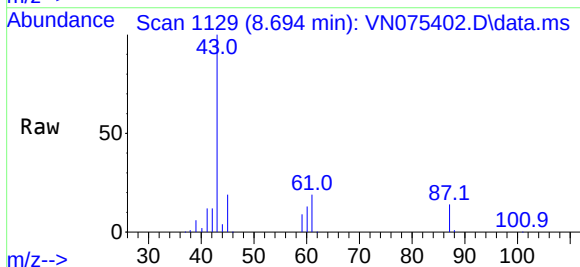
Tgt Ion: 43 Resp: 182352

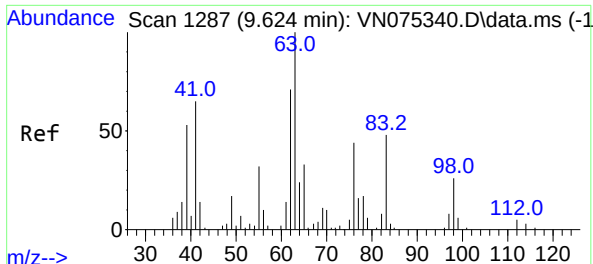
Ion Ratio Lower Upper

43 100

61 13.3 22.4 33.6#

87 9.5 12.5 18.7#

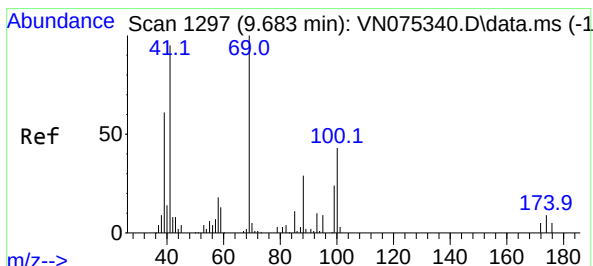
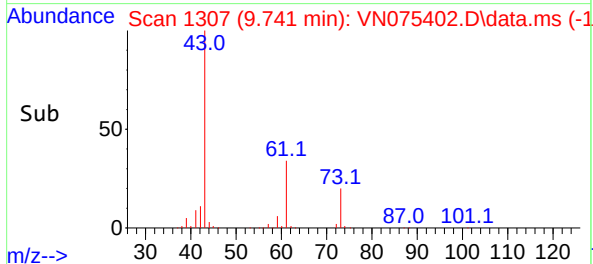
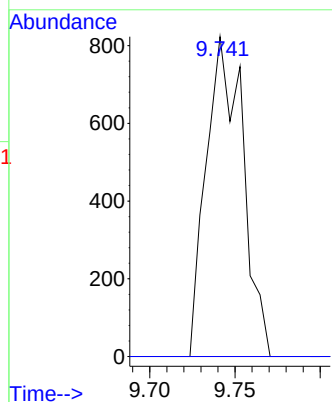
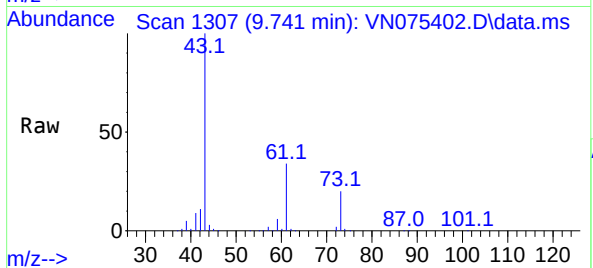




#45
1,2-Dichloropropane
Concen: 0.698 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

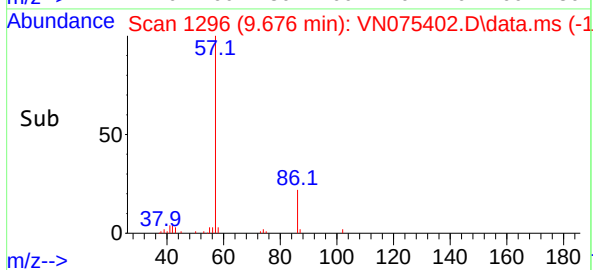
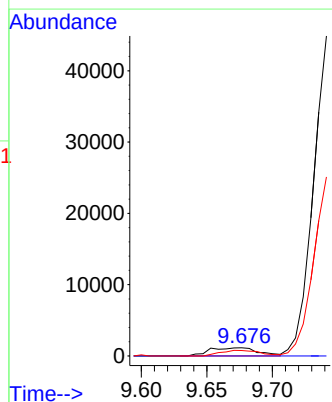
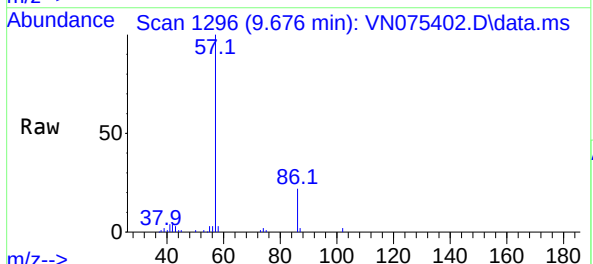
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#05

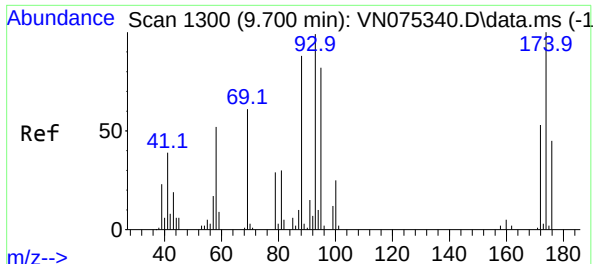
Tgt Ion: 63 Resp: 1230
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 1.840 ug/l
RT: 9.676 min Scan# 1296
Delta R.T. -0.007 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

Tgt Ion: 41 Resp: 2968
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 57.1 56.2 84.2

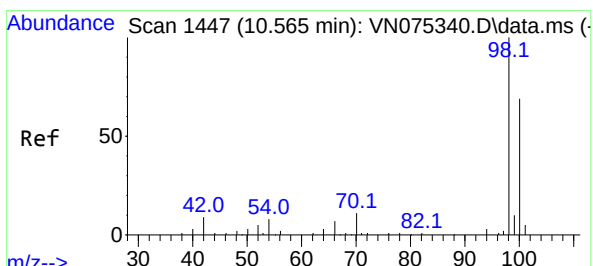
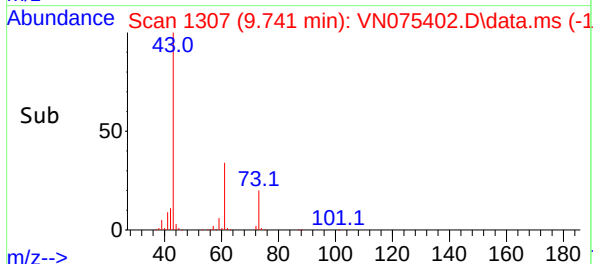
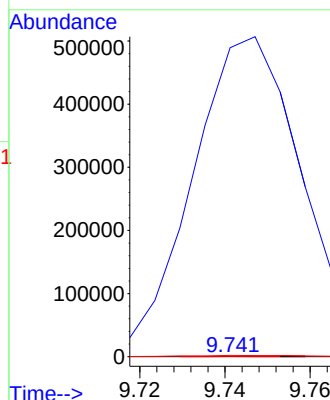
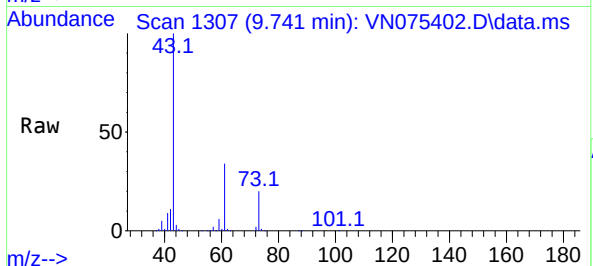




#49
1,4-Dioxane
Concen: 1.332 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

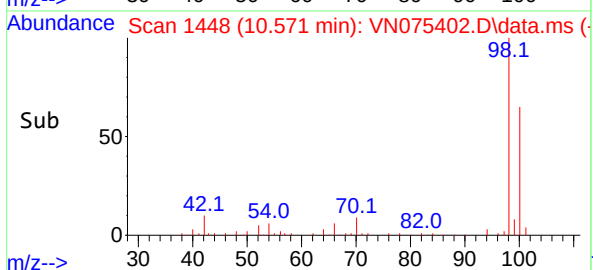
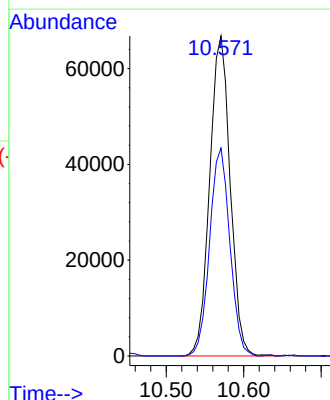
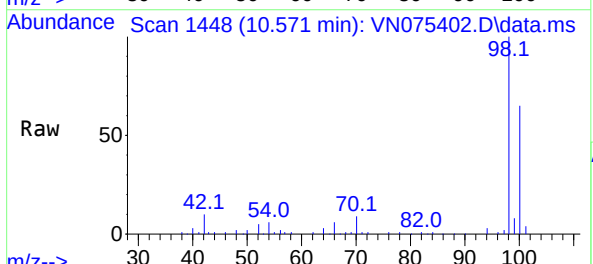
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#05

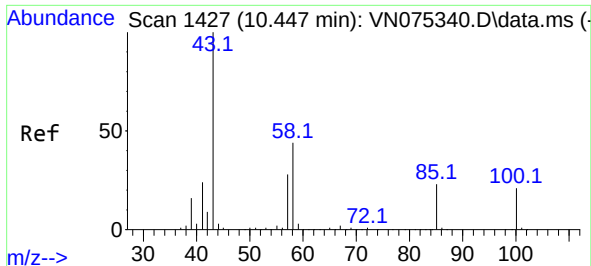
Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 1523334.4 17.5 26.3#
58 6609.8 49.8 74.8#



#50
Toluene-d8
Concen: 49.288 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

Tgt Ion: 98 Resp: 122877
Ion Ratio Lower Upper
98 100
100 64.0 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 1.970 ug/l

RT: 10.453 min Scan# 14

Delta R.T. 0.006 min

Lab File: VN075402.D

Acq: 23 Nov 2022 17:35

Instrument :

MSVOA_N

ClientSampleId :

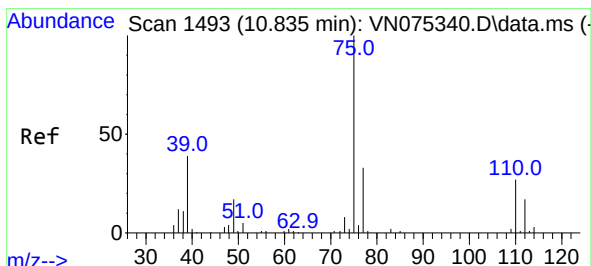
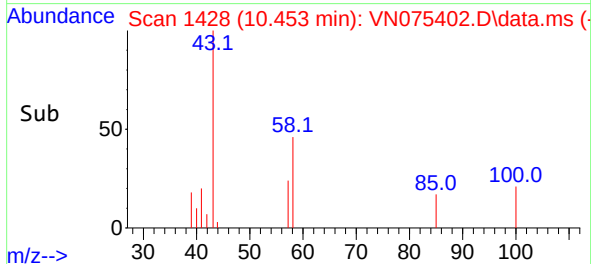
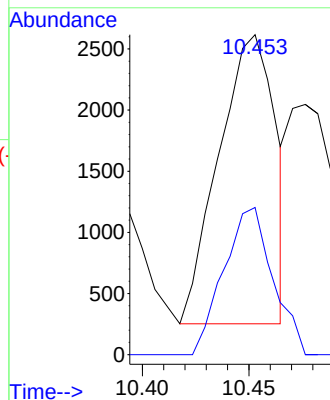
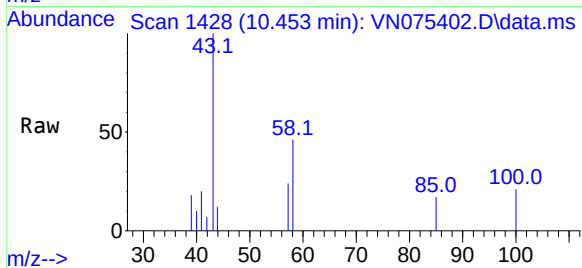
PB149245ZHE#05

Tgt Ion: 43 Resp: 4377

Ion Ratio Lower Upper

43 100

58 44.1 33.6 50.4



#53

t-1,3-Dichloropropene

Concen: 0.249 ug/l

RT: 10.729 min Scan# 1475

Delta R.T. -0.106 min

Lab File: VN075402.D

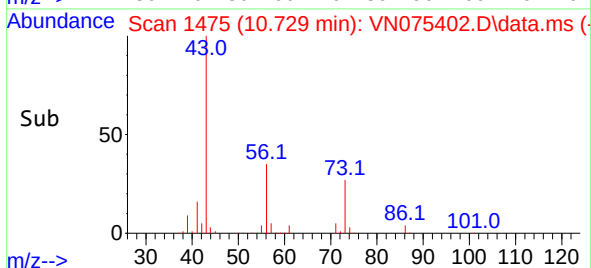
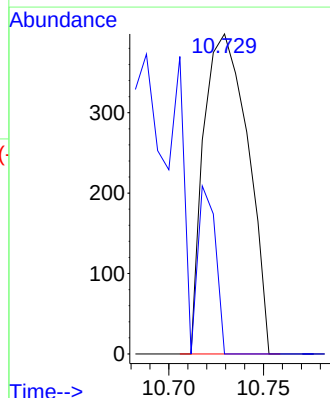
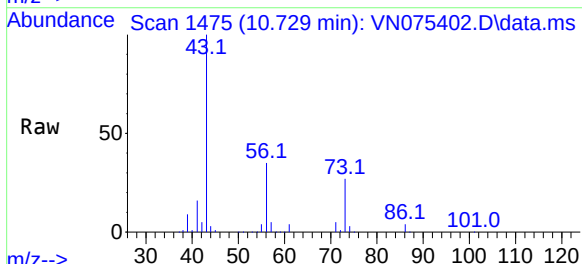
Acq: 23 Nov 2022 17:35

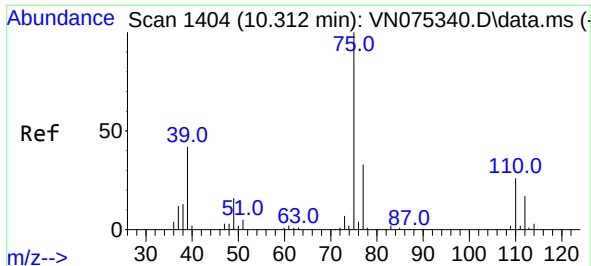
Tgt Ion: 75 Resp: 645

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

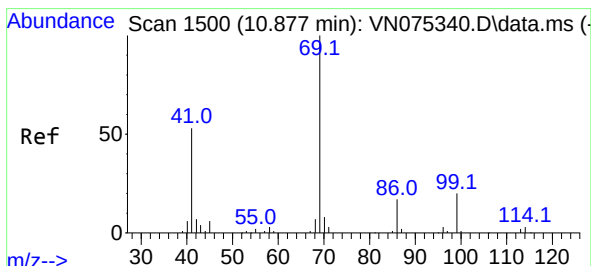
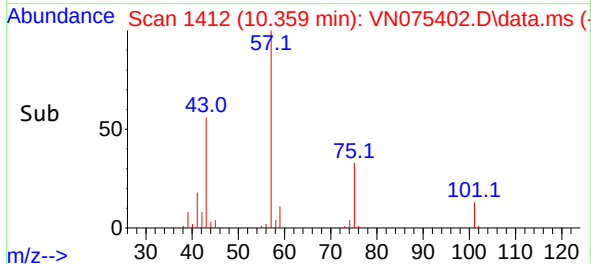
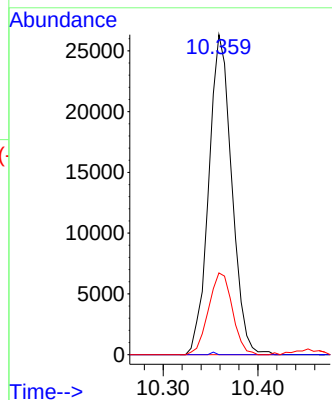
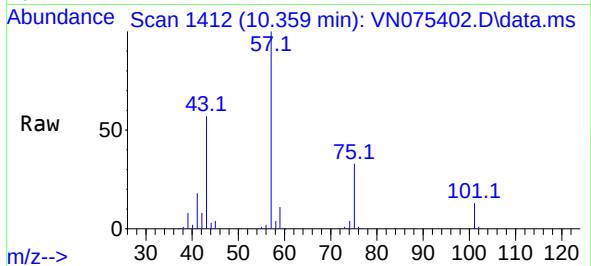




#54
cis-1,3-Dichloropropene
Concen: 15.804 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

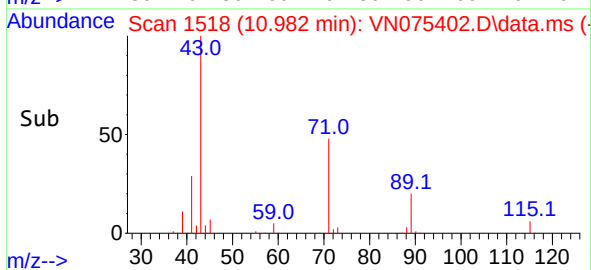
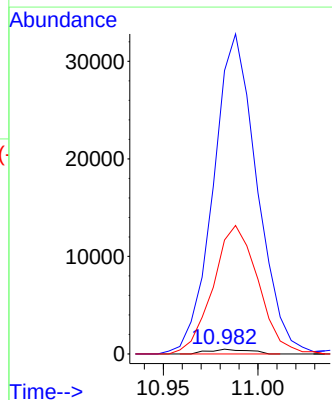
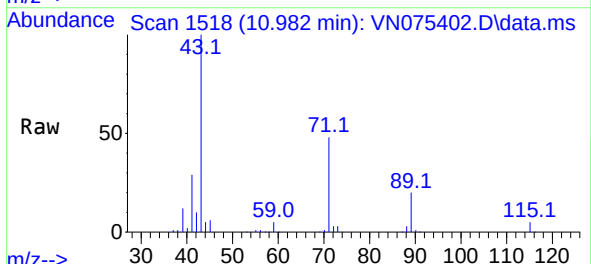
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#05

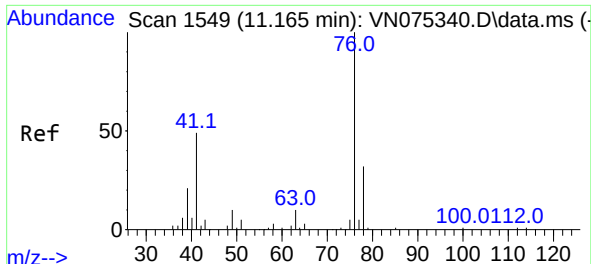
Tgt Ion: 75 Resp: 44454
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 25.5 35.8 53.6#



#56
Ethyl methacrylate
Concen: 0.283 ug/l
RT: 10.982 min Scan# 1518
Delta R.T. 0.105 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

Tgt Ion: 69 Resp: 742
Ion Ratio Lower Upper
69 100
41 7141.1 45.6 68.4#
39 2950.7 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.828 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN075402.D

Acq: 23 Nov 2022 17:35

Instrument :

MSVOA_N

ClientSampleId :

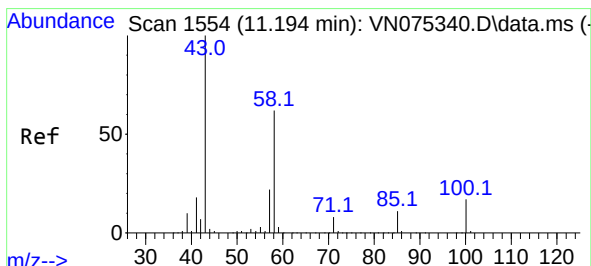
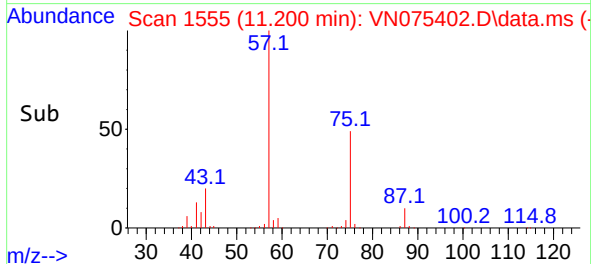
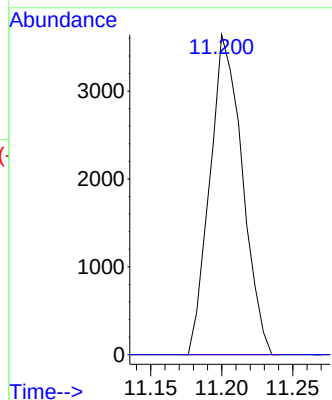
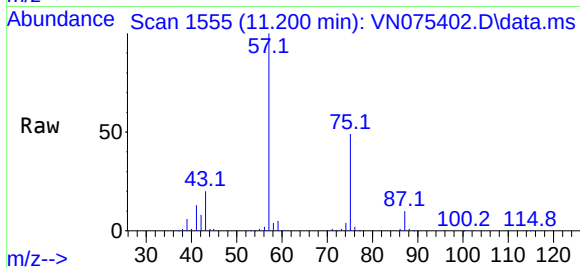
PB149245ZHE#05

Tgt Ion: 76 Resp: 5783

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 49.709 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.024 min

Lab File: VN075402.D

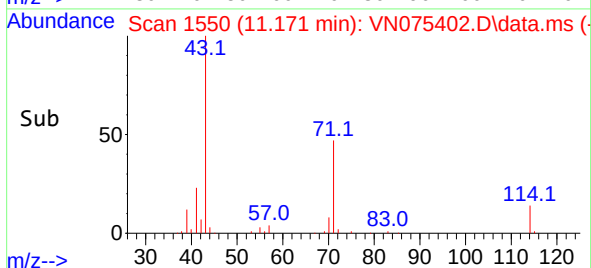
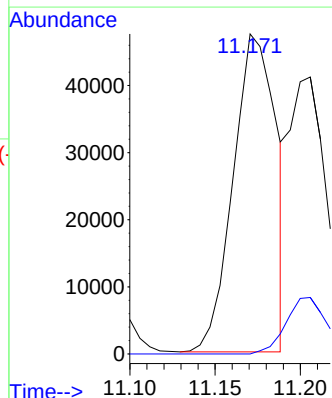
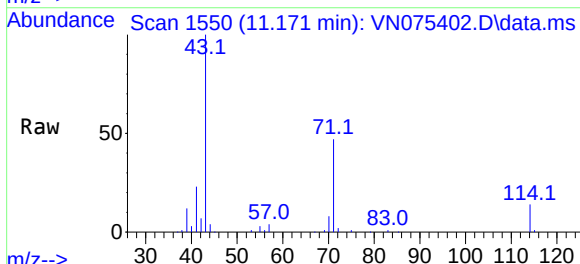
Acq: 23 Nov 2022 17:35

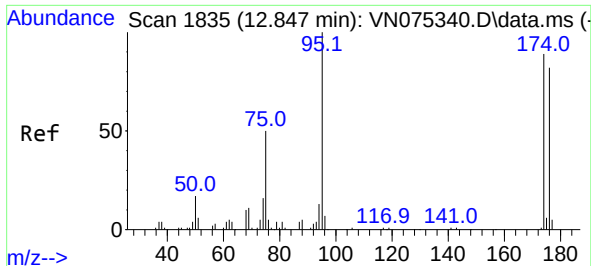
Tgt Ion: 43 Resp: 82943

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

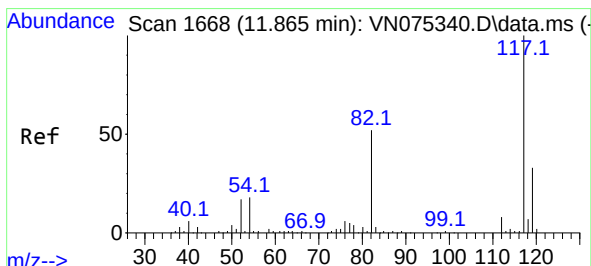
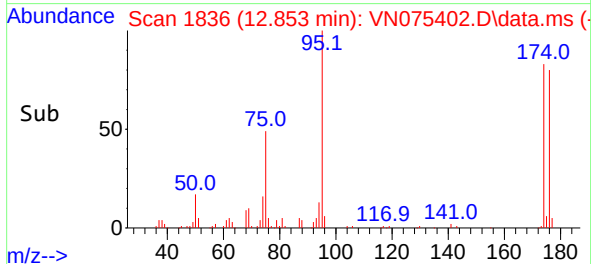
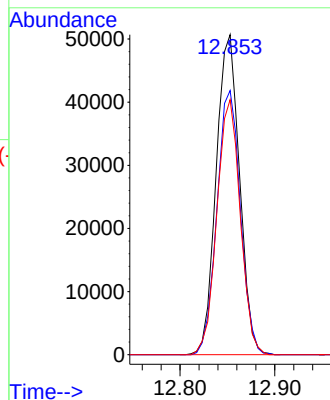
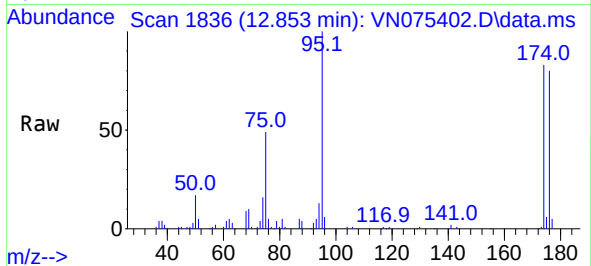




#62
4-Bromofluorobenzene
Concen: 47.188 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

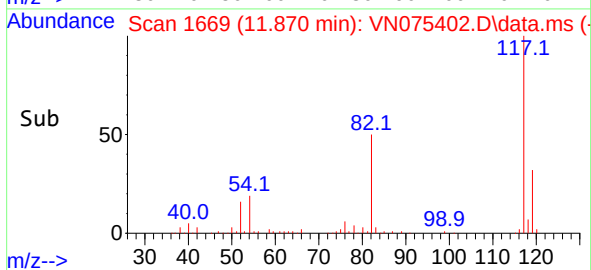
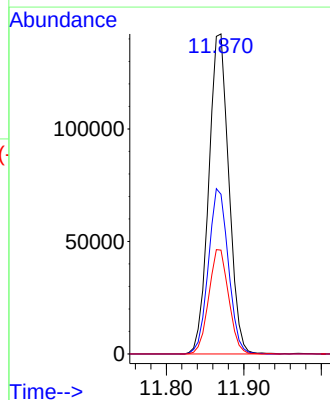
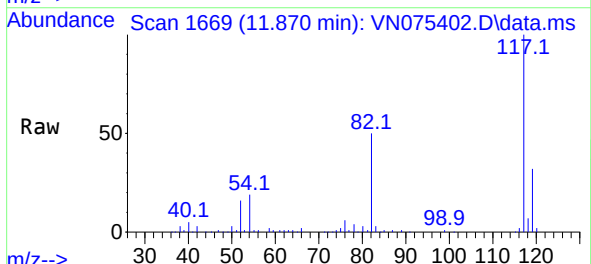
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#05

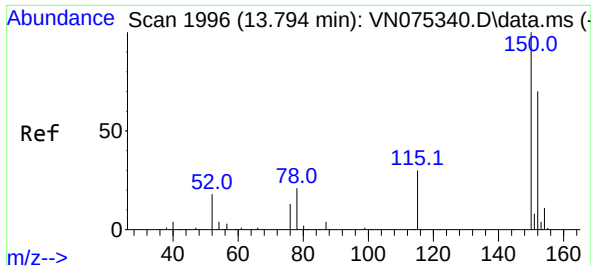
Tgt Ion: 95 Resp: 86832
Ion Ratio Lower Upper
95 100
174 83.1 0.0 147.4
176 79.5 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

Tgt Ion: 117 Resp: 255494
Ion Ratio Lower Upper
117 100
82 49.9 43.1 64.7
119 32.4 25.5 38.3

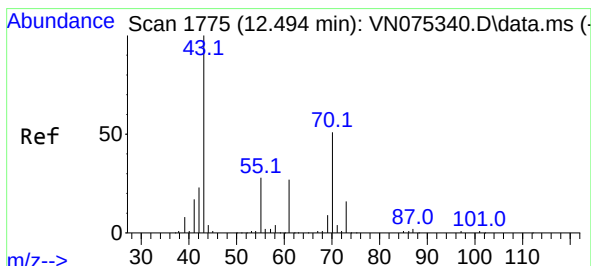
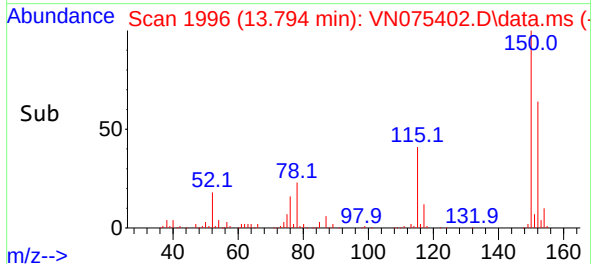
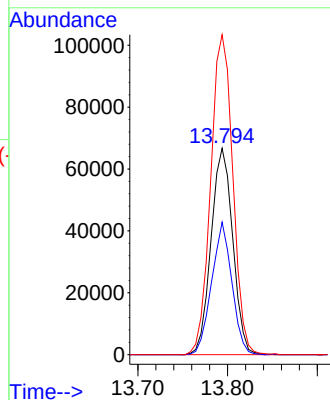
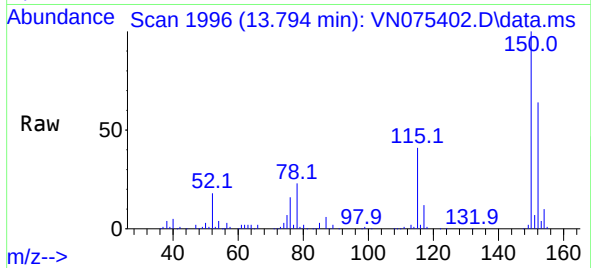




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

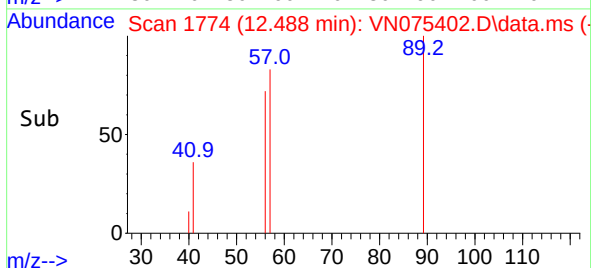
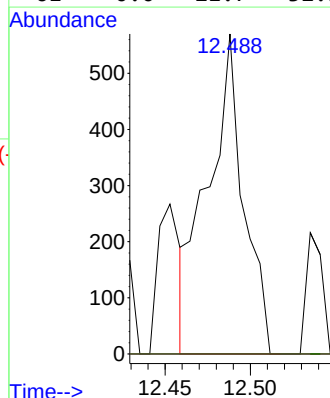
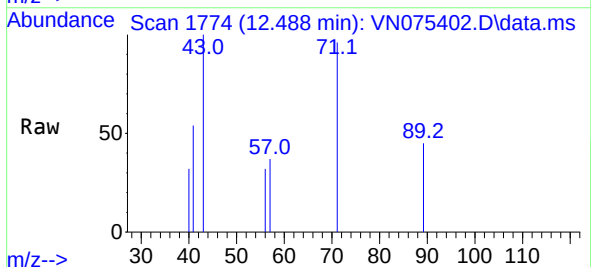
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#05

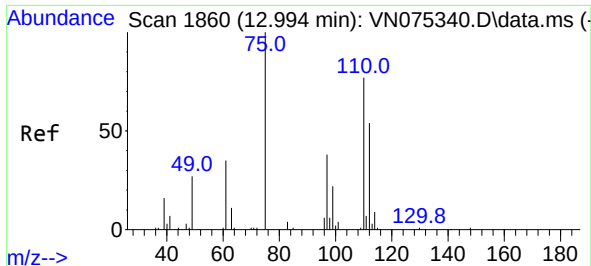
Tgt Ion:152 Resp: 111794
Ion Ratio Lower Upper
152 100
115 60.1 30.2 90.6
150 158.3 0.0 348.4



#74
N-ethyl acetate
Concen: 0.332 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

Tgt Ion: 43 Resp: 834
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#

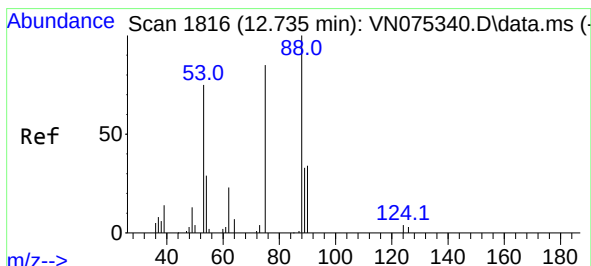
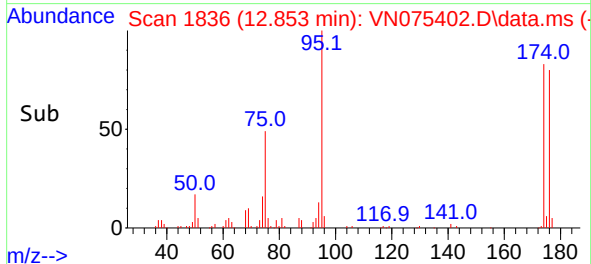
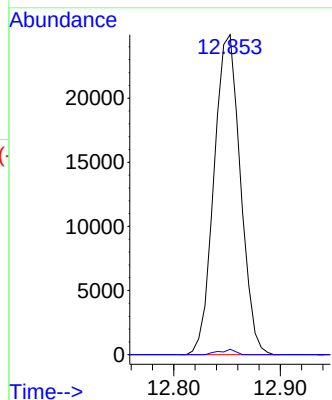
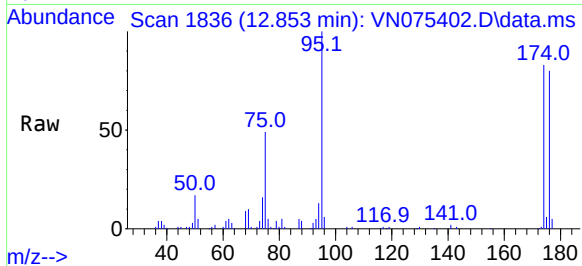




#76
1,2,3-Trichloropropane
Concen: 20.290 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#05

Tgt Ion: 75 Resp: 42887
Ion Ratio Lower Upper
75 100
77 1.0 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.033 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075402.D
Acq: 23 Nov 2022 17:35

Tgt Ion: 75 Resp: 42887
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

