

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075740.D
 Acq On : 13 Dec 2022 04:53
 Operator : JC\MD
 Sample : PB149517ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149517ZHE#03

Quant Time: Dec 13 05:35:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

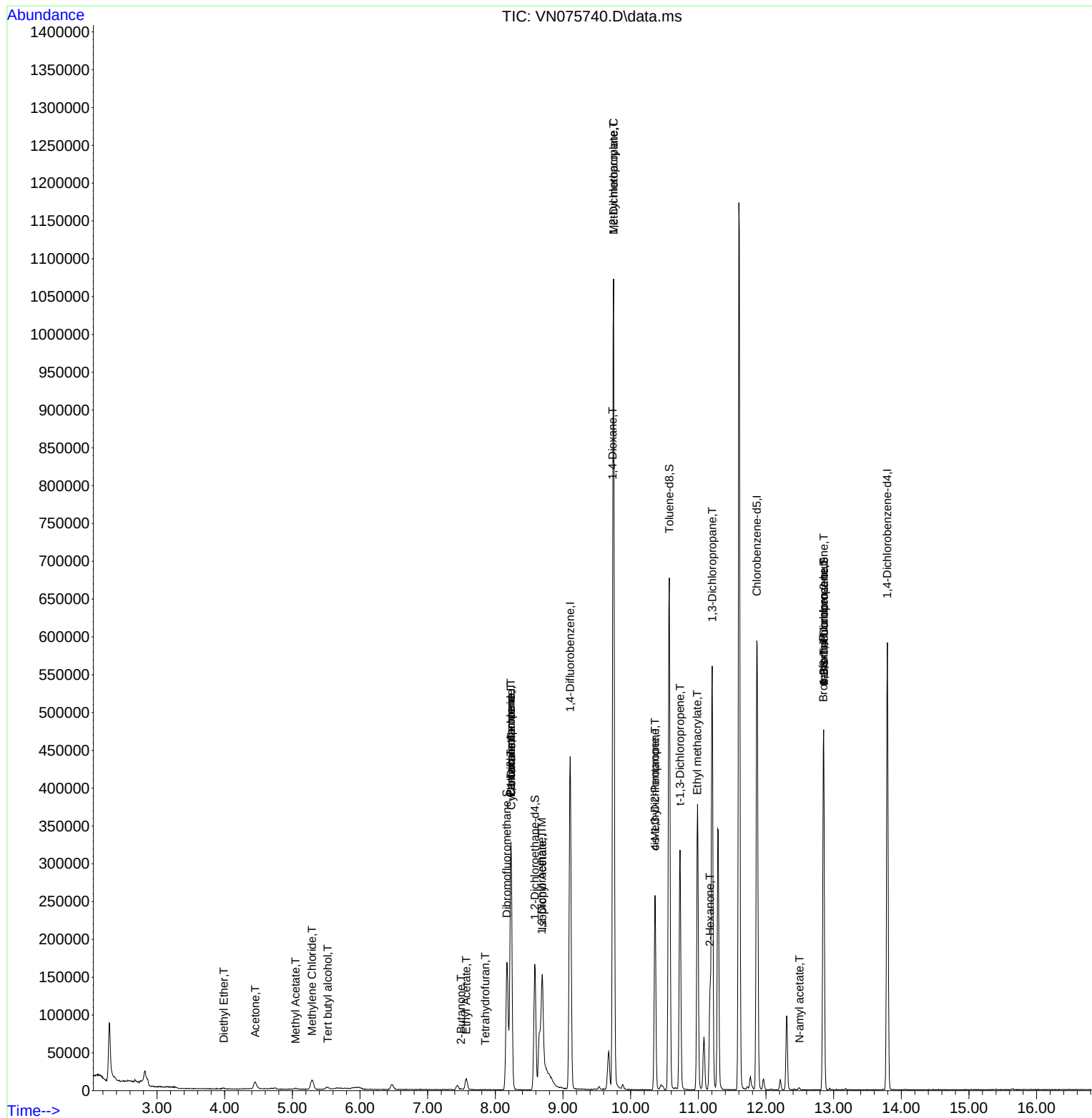
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	256687	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	411369	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	371217	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	164753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	129579	47.578	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.160%
35) Dibromofluoromethane	8.171	113	121584	48.443	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.880%
50) Toluene-d8	10.571	98	480143	50.941	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.880%
62) 4-Bromofluorobenzene	12.853	95	157019	48.724	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.440%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.989	74	703	0.480	ug/l	57
11) Tert butyl alcohol	5.524	59	1120	2.780	ug/l #	72
16) Acetone	4.453	43	18219	19.753	ug/l	99
18) Methyl Acetate	5.047	43	2559	0.863	ug/l	89
20) Methylene Chloride	5.289	84	10671	3.881	ug/l #	96
25) 2-Butanone	7.494	43	1489	1.104	ug/l #	87
29) Tetrahydrofuran	7.853	42	290	0.349	ug/l #	25
31) Cyclohexane	8.235	56	4444	1.102	ug/l #	3
36) 1,1-Dichloropropene	8.230	75	17877	5.364	ug/l #	48
37) Ethyl Acetate	7.571	43	22277	8.326	ug/l	97
38) Carbon Tetrachloride	8.230	117	24668	6.414	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	1271	0.371	ug/l #	71
43) Isopropyl Acetate	8.694	43	278702	62.391	ug/l #	68
45) 1,2-Dichloropropane	9.747	63	1426	0.586	ug/l #	43
48) Methyl methacrylate	9.747	41	91545	44.496	ug/l #	33
49) 1,4-Dioxane	9.735	88	59	1.180	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	88588	32.162	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	1031	0.292	ug/l #	44
54) cis-1,3-Dichloropropene	10.359	75	50685	12.882	ug/l #	63
56) Ethyl methacrylate	10.982	69	1076	0.299	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6048	1.408	ug/l #	41
59) 2-Hexanone	11.171	43	95908	47.926	ug/l #	20
71) Bromoform	12.847	173	1298	0.616	ug/l #	1
74) N-amyl acetate	12.494	43	1711	0.498	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	79807	24.121	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	79807	77.052	ug/l #	13

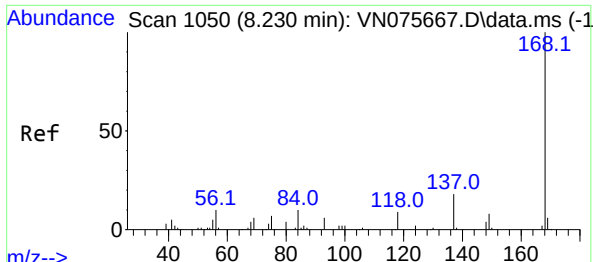
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN075740.D

Acq: 13 Dec 2022 04:53

Instrument :

MSVOA_N

ClientSampleId :

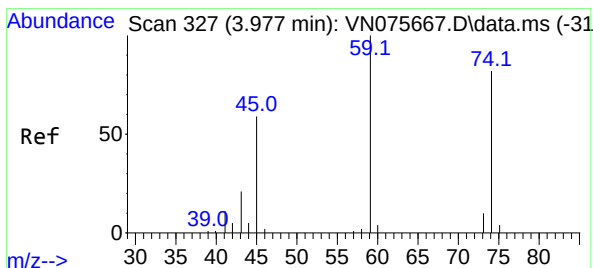
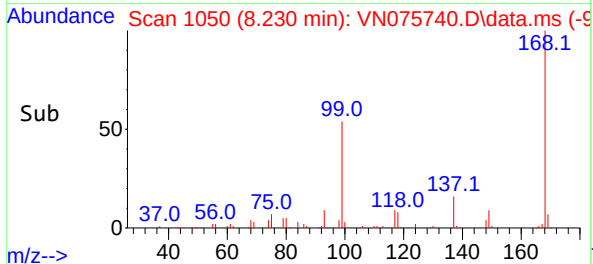
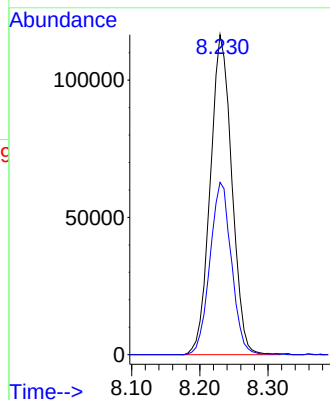
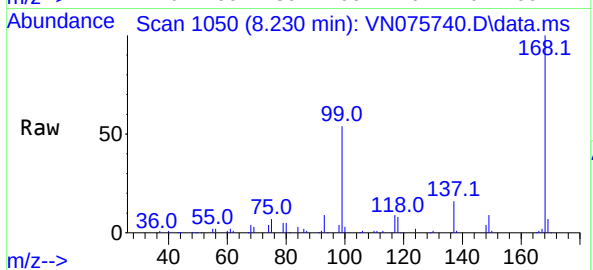
PB149517ZHE#03

Tgt Ion:168 Resp: 256687

Ion Ratio Lower Upper

168 100

99 53.9 41.2 61.8



#8

Diethyl Ether

Concen: 0.480 ug/l

RT: 3.989 min Scan# 329

Delta R.T. 0.012 min

Lab File: VN075740.D

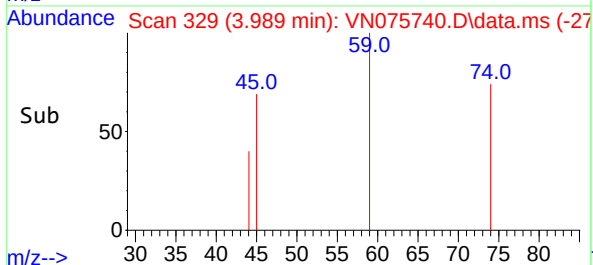
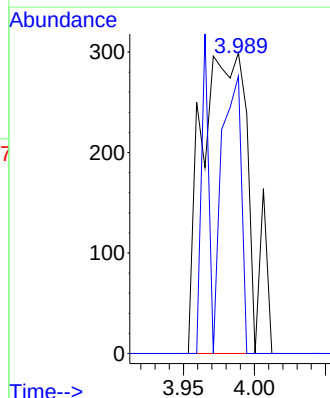
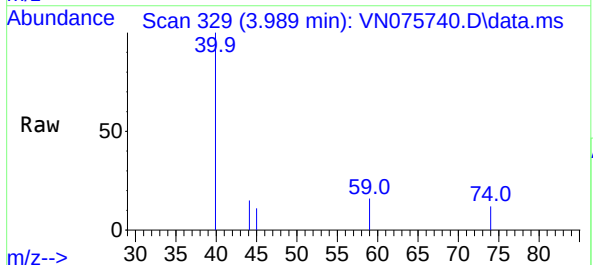
Acq: 13 Dec 2022 04:53

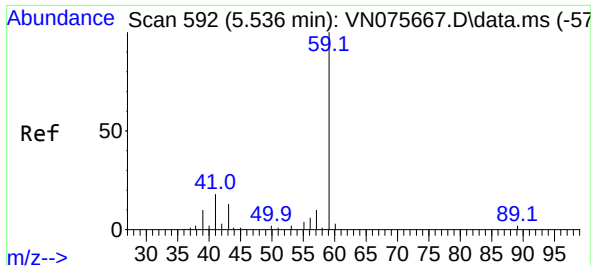
Tgt Ion: 74 Resp: 703

Ion Ratio Lower Upper

74 100

45 37.3 36.8 110.4





#11

Tert butyl alcohol

Concen: 2.780 ug/l

RT: 5.524 min Scan# 59

Delta R.T. -0.012 min

Lab File: VN075740.D

Acq: 13 Dec 2022 04:53

Instrument :

MSVOA_N

ClientSampleId :

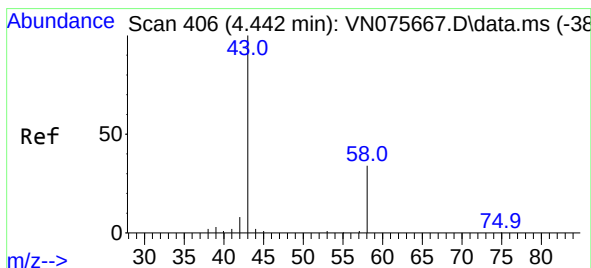
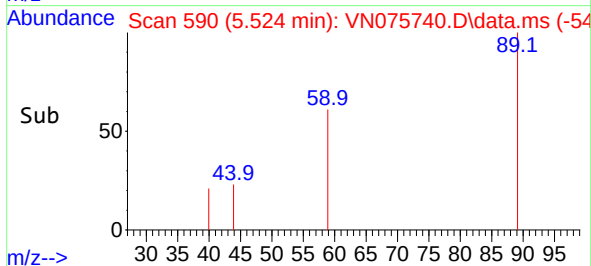
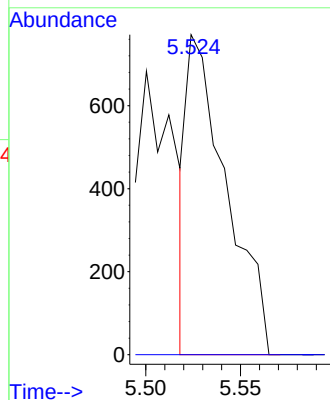
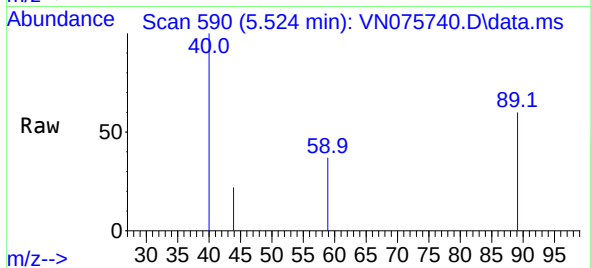
PB149517ZHE#03

Tgt Ion: 59 Resp: 1120

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 19.753 ug/l

RT: 4.453 min Scan# 408

Delta R.T. 0.012 min

Lab File: VN075740.D

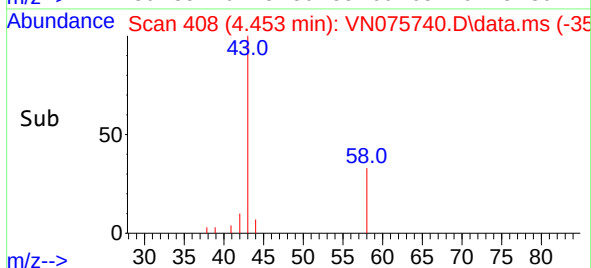
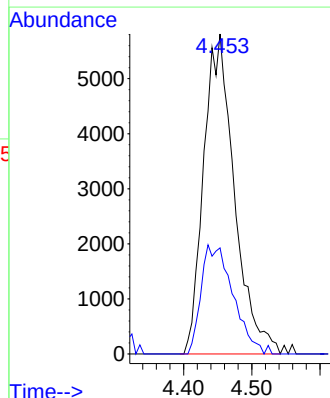
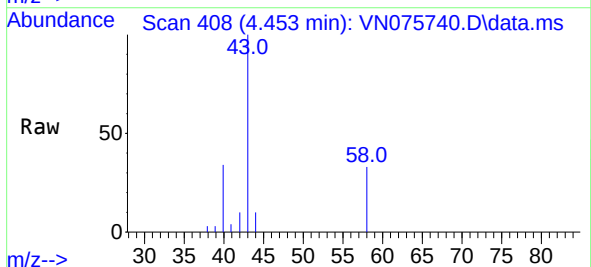
Acq: 13 Dec 2022 04:53

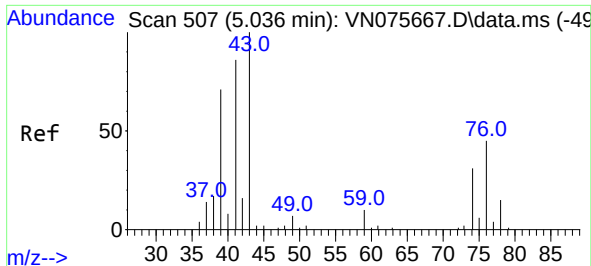
Tgt Ion: 43 Resp: 18219

Ion Ratio Lower Upper

43 100

58 33.1 27.0 40.4

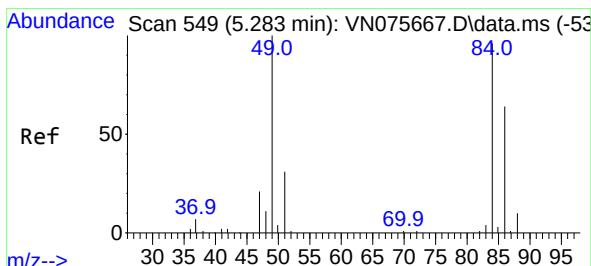
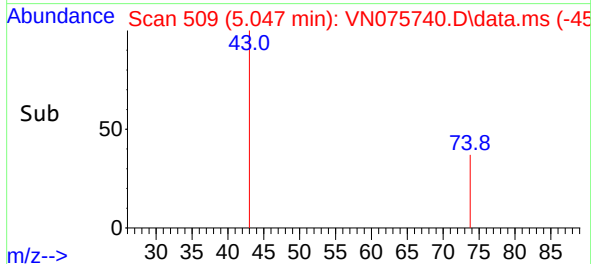
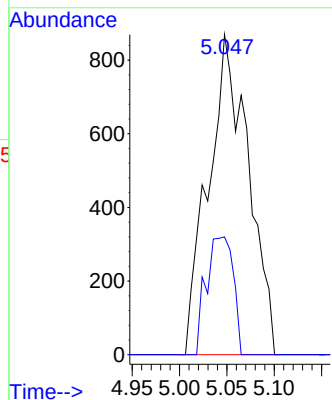
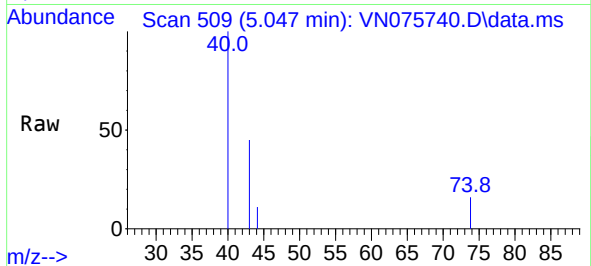




#18
Methyl Acetate
Concen: 0.863 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

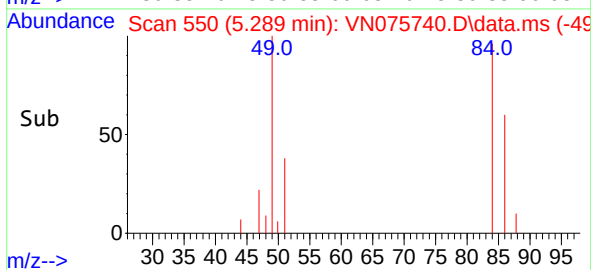
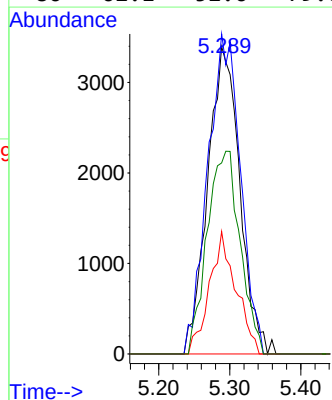
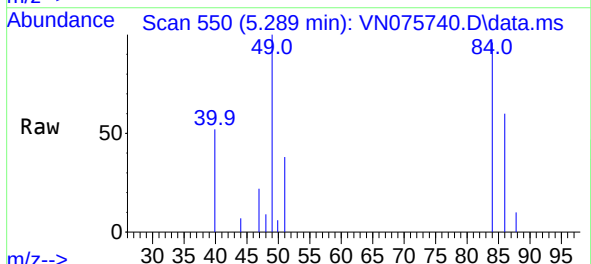
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#03

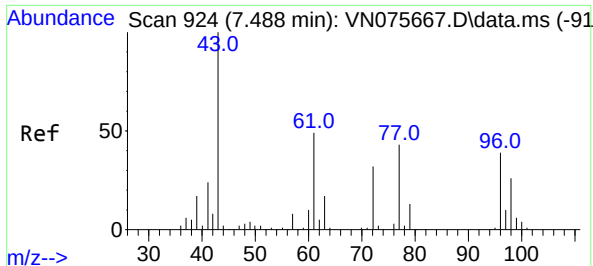
Tgt Ion: 43 Resp: 2559
Ion Ratio Lower Upper
43 100
74 24.7 24.5 36.7



#20
Methylene Chloride
Concen: 3.881 ug/l
RT: 5.289 min Scan# 550
Delta R.T. 0.006 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

Tgt Ion: 84 Resp: 10671
Ion Ratio Lower Upper
84 100
49 104.1 83.0 124.4
51 39.8 26.0 39.0#
86 62.1 52.6 79.0

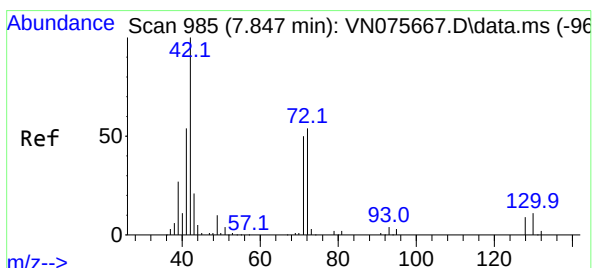
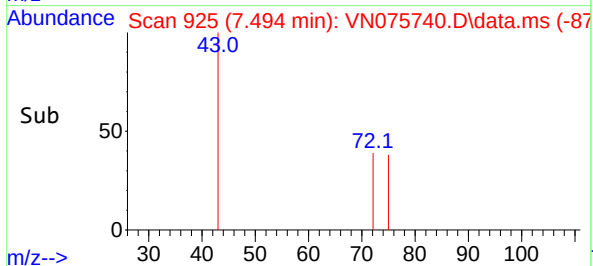
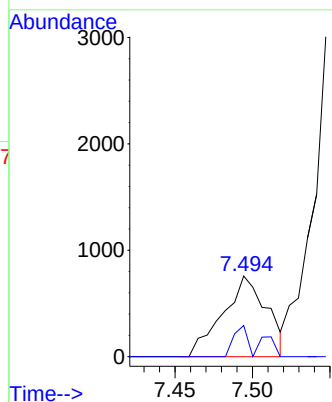
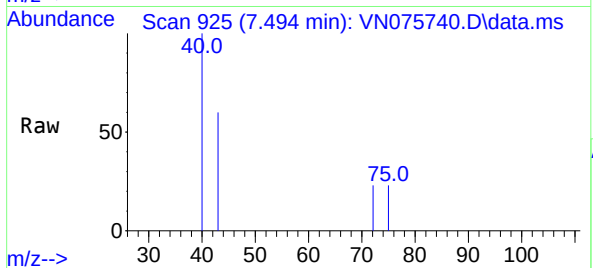




#25
2-Butanone
Concen: 1.104 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

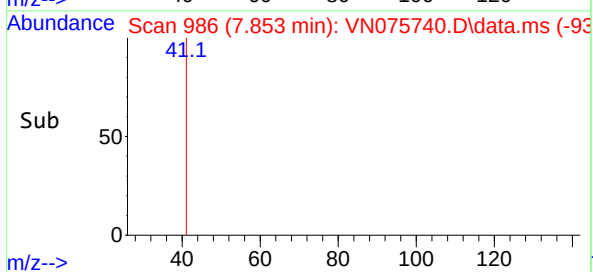
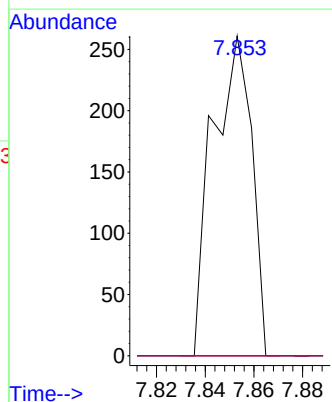
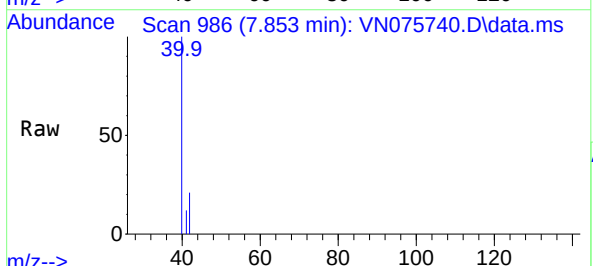
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#03

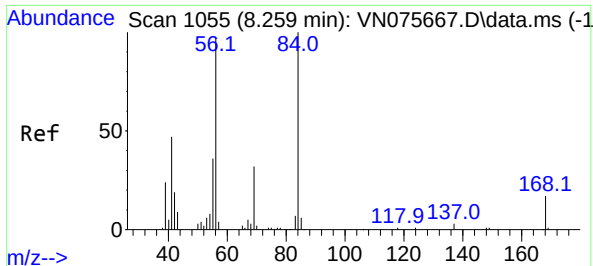
Tgt Ion: 43 Resp: 1489
Ion Ratio Lower Upper
43 100
72 38.7 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.349 ug/l
RT: 7.853 min Scan# 986
Delta R.T. 0.006 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

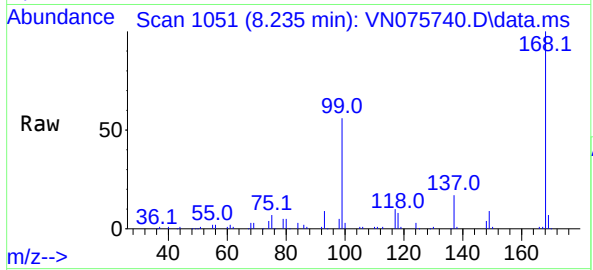
Tgt Ion: 42 Resp: 290
Ion Ratio Lower Upper
42 100
72 0.0 44.6 67.0#
71 0.0 41.2 61.8#



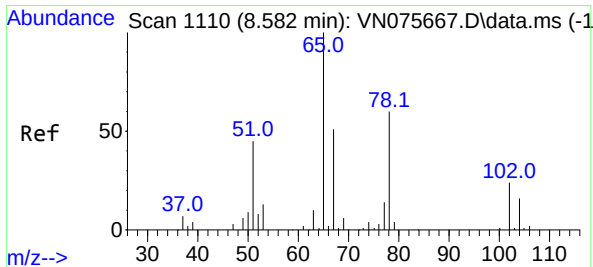
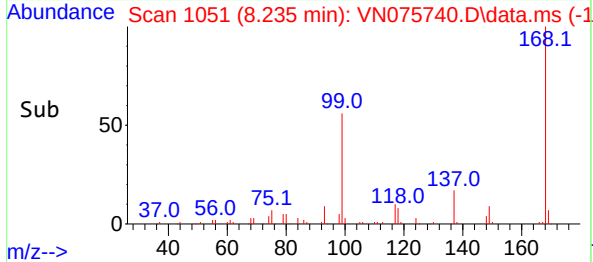
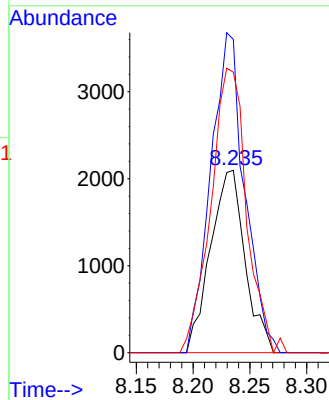


#31
Cyclohexane
Concen: 1.102 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.023 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#03

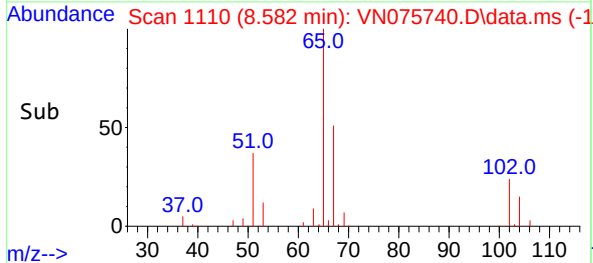
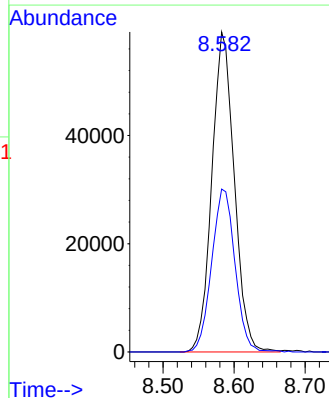
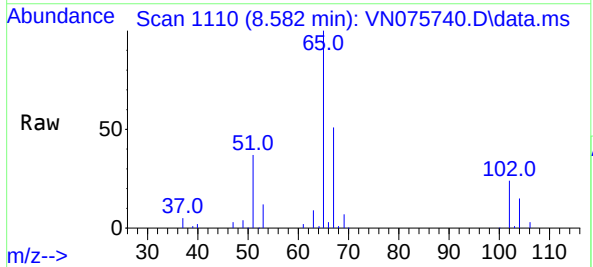


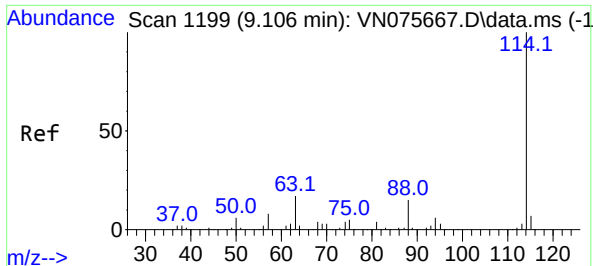
Tgt Ion: 56 Resp: 4444
Ion Ratio Lower Upper
56 100
69 171.7 26.2 39.2#
84 153.7 82.8 124.2#



#33
1,2-Dichloroethane-d4
Concen: 47.578 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

Tgt Ion: 65 Resp: 129579
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075740.D

Acq: 13 Dec 2022 04:53

Instrument :

MSVOA_N

ClientSampleId :

PB149517ZHE#03

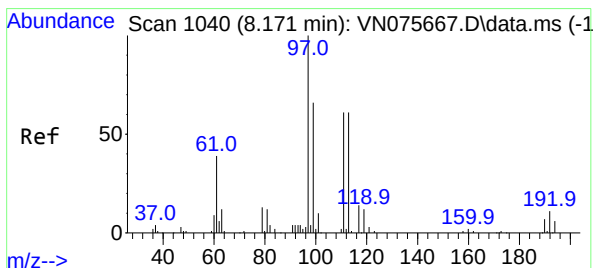
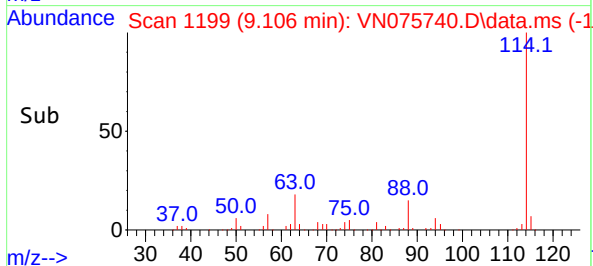
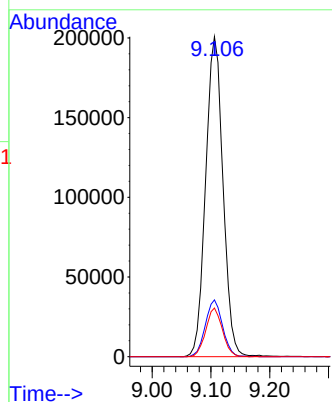
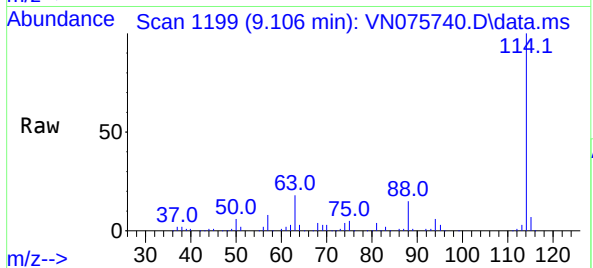
Tgt Ion:114 Resp: 411369

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.4

88 15.2 0.0 29.2



#35

Dibromofluoromethane

Concen: 48.443 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN075740.D

Acq: 13 Dec 2022 04:53

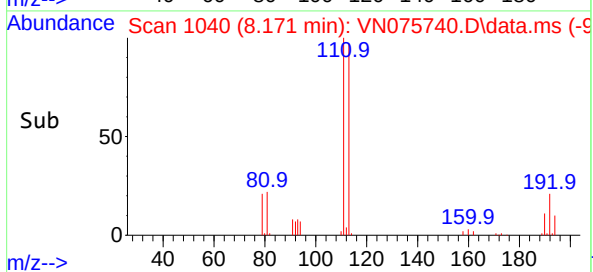
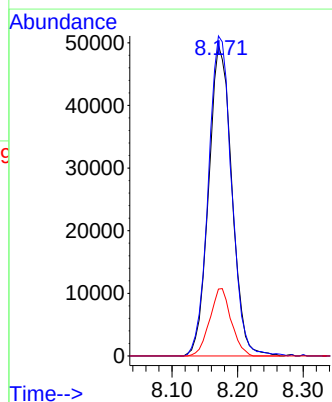
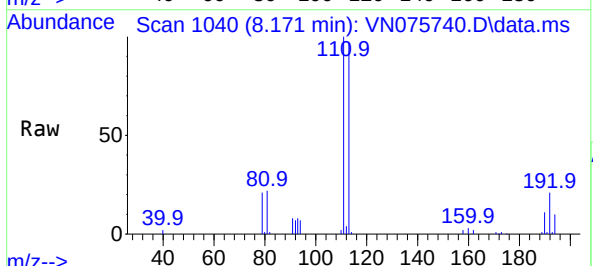
Tgt Ion:113 Resp: 121584

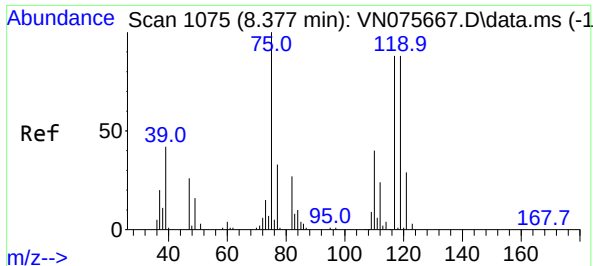
Ion Ratio Lower Upper

113 100

111 103.3 81.0 121.6

192 20.1 16.2 24.2

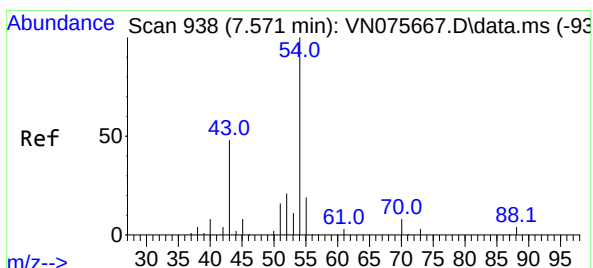
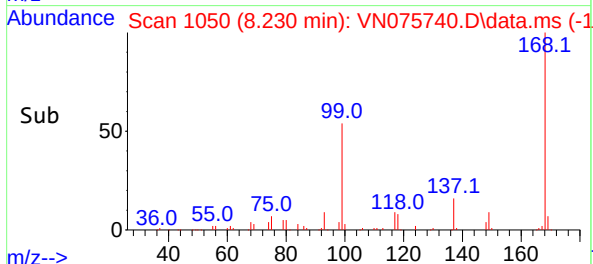
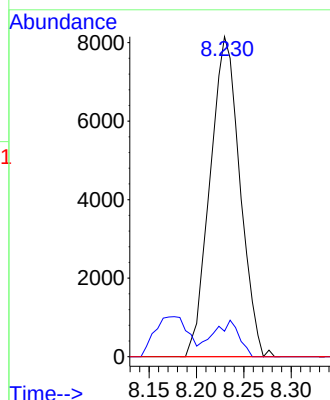
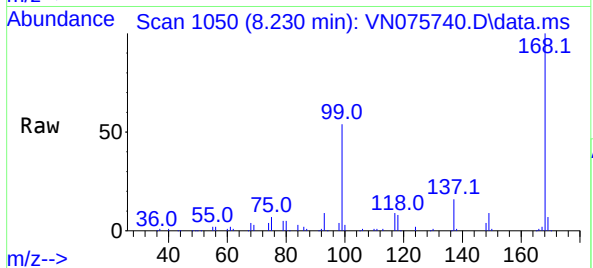




#36
1,1-Dichloropropene
Concen: 5.364 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.147 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

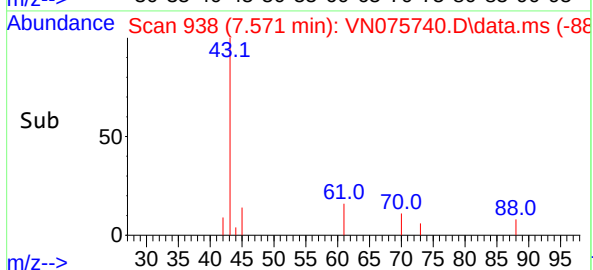
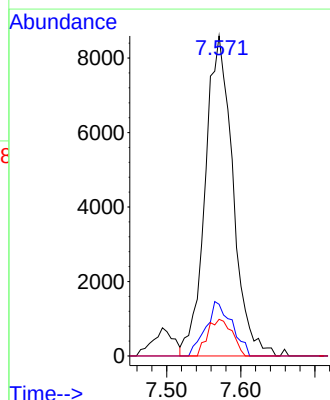
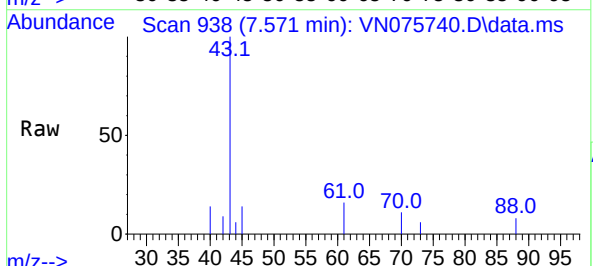
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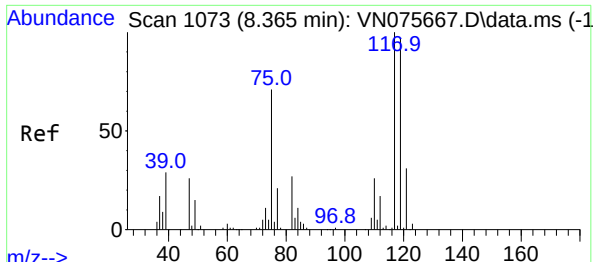
Tgt Ion: 75 Resp: 17877
Ion Ratio Lower Upper
75 100
110 9.4 18.9 56.9#
77 0.0 25.4 38.2#



#37
Ethyl Acetate
Concen: 8.326 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

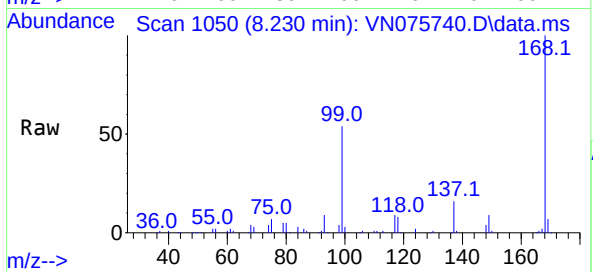
Tgt Ion: 43 Resp: 22277
Ion Ratio Lower Upper
43 100
61 16.0 13.3 19.9
70 10.1 9.9 14.9



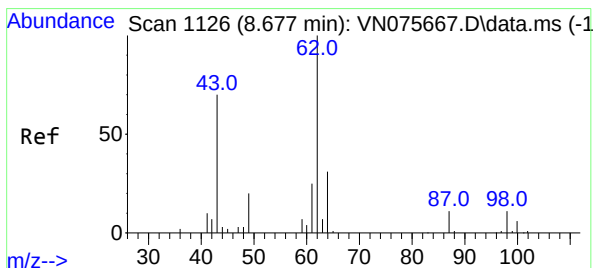
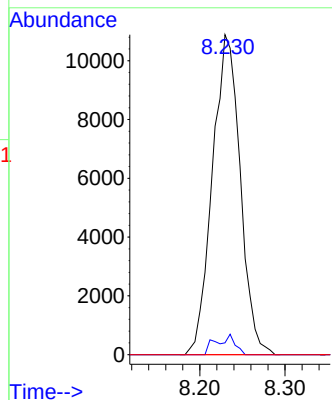
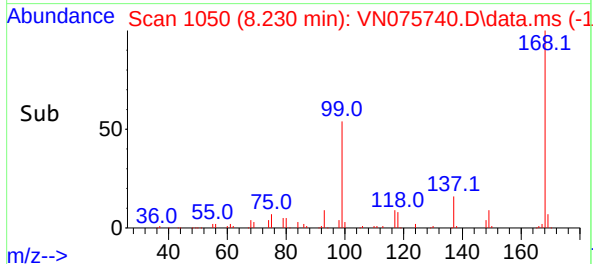


#38
Carbon Tetrachloride
Concen: 6.414 ug/l
RT: 8.230 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#03

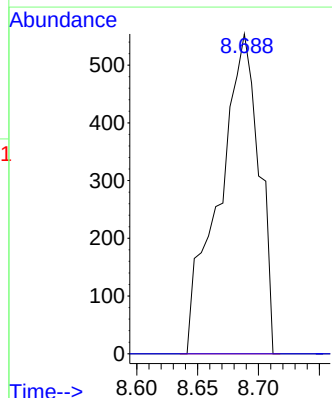
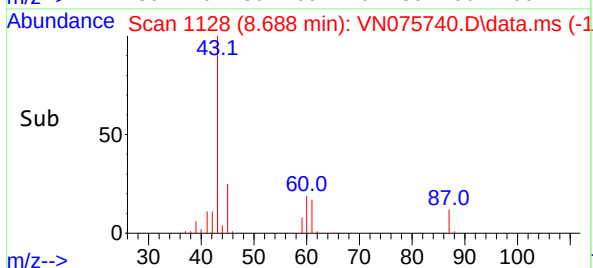
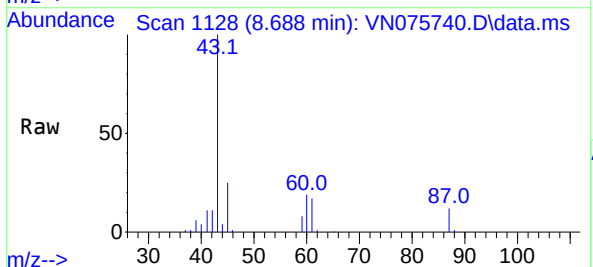


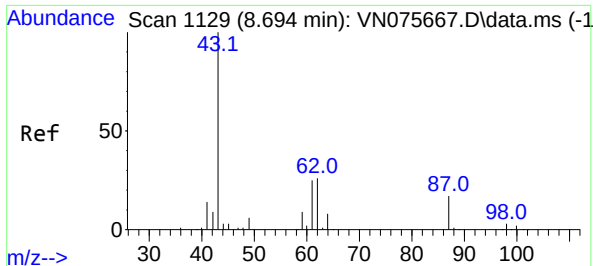
Tgt Ion:117 Resp: 24668
Ion Ratio Lower Upper
117 100
119 3.7 77.2 115.8#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.371 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

Tgt Ion: 62 Resp: 1271
Ion Ratio Lower Upper
62 100
98 0.0 0.0 21.8





Isopropyl Acetate

Concen: 62.391 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN075740.D

Acq: 13 Dec 2022 04:53

Instrument :

MSVOA_N

ClientSampleId :

PB149517ZHE#03

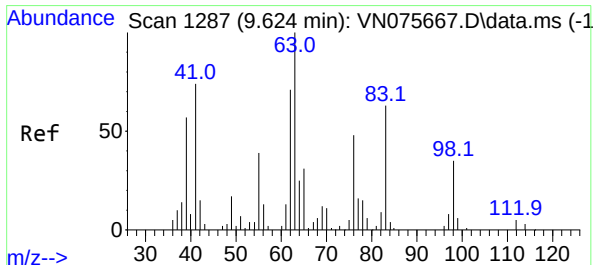
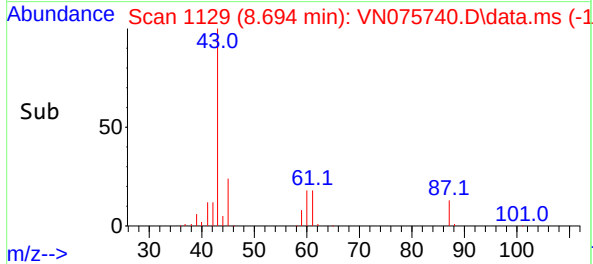
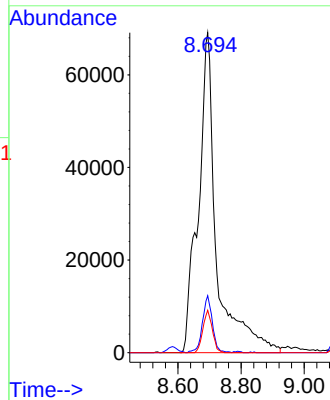
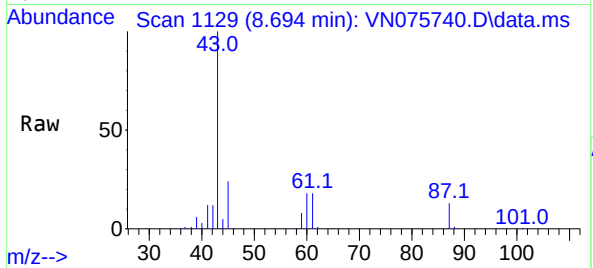
Tgt Ion: 43 Resp: 278702

Ion Ratio Lower Upper

43 100

61 9.6 23.8 35.8#

87 6.8 13.7 20.5#



1,2-Dichloropropane

Concen: 0.586 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.124 min

Lab File: VN075740.D

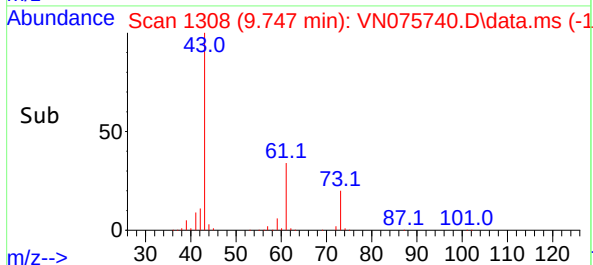
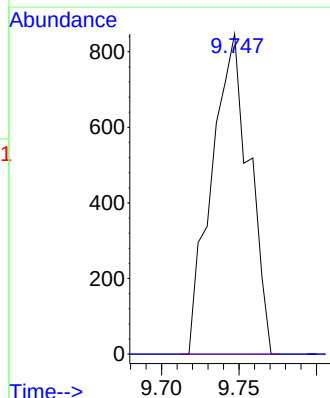
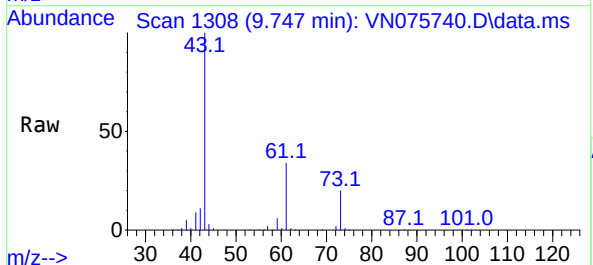
Acq: 13 Dec 2022 04:53

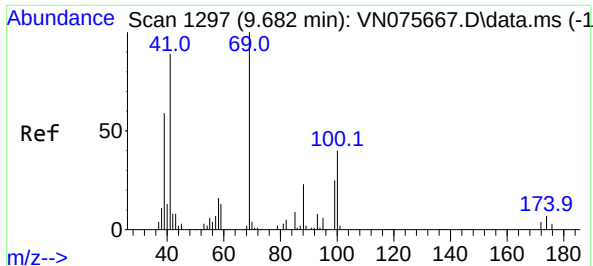
Tgt Ion: 63 Resp: 1426

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#





#48

Methyl methacrylate

Concen: 44.496 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.065 min

Lab File: VN075740.D

Acq: 13 Dec 2022 04:53

Instrument :

MSVOA_N

ClientSampleId :

PB149517ZHE#03

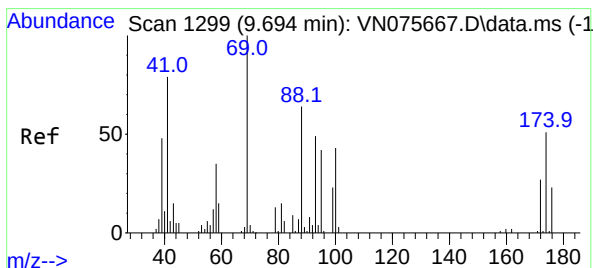
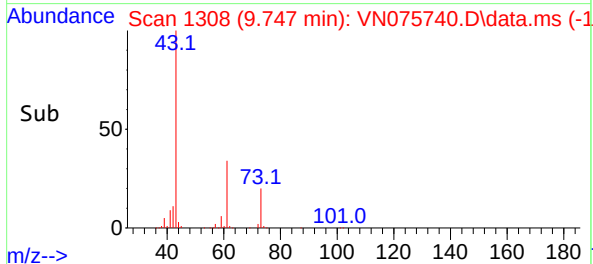
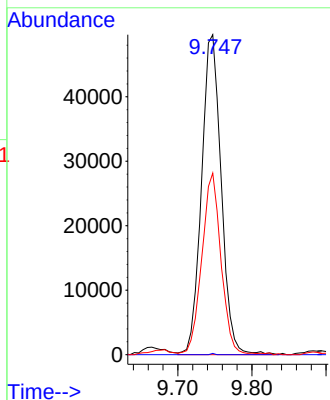
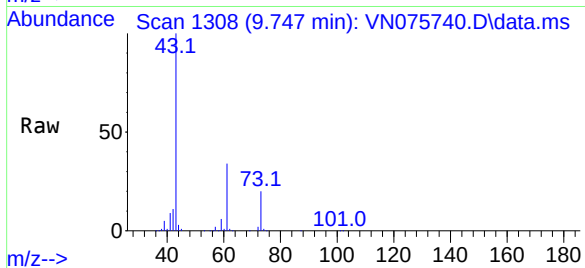
Tgt Ion: 41 Resp: 91545

Ion Ratio Lower Upper

41 100

69 0.1 82.5 123.7#

39 54.4 53.2 79.8



#49

1,4-Dioxane

Concen: 1.180 ug/l

RT: 9.735 min Scan# 1306

Delta R.T. 0.041 min

Lab File: VN075740.D

Acq: 13 Dec 2022 04:53

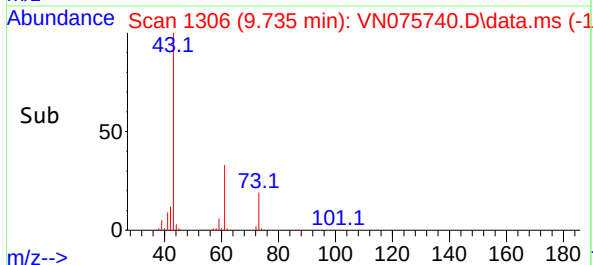
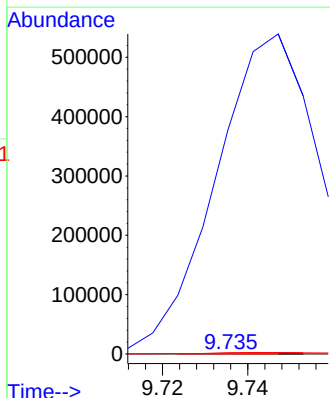
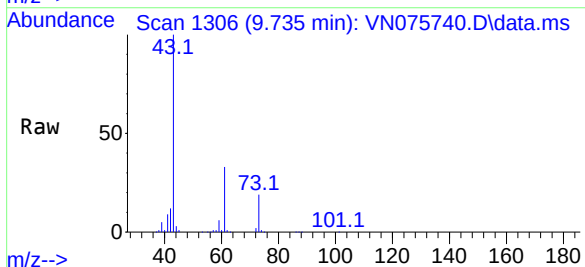
Tgt Ion: 88 Resp: 59

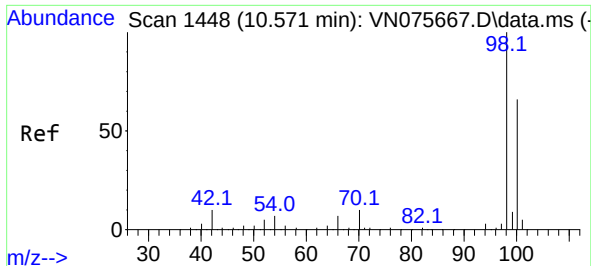
Ion Ratio Lower Upper

88 100

43 1633584.7 17.4 26.0#

58 7971.2 46.8 70.2#

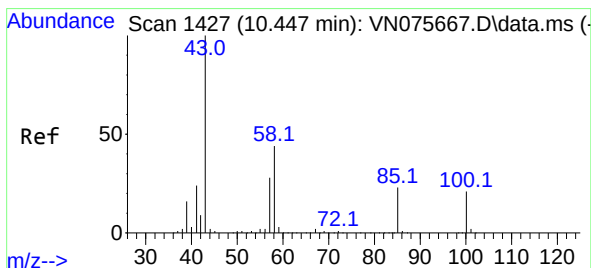
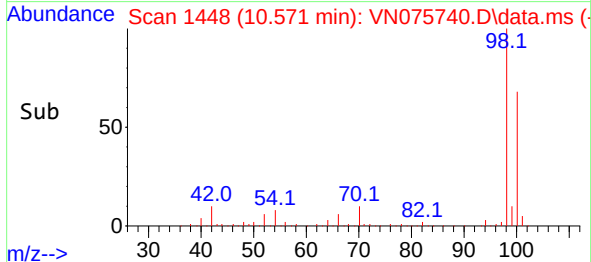
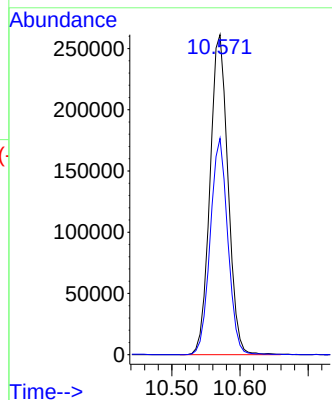
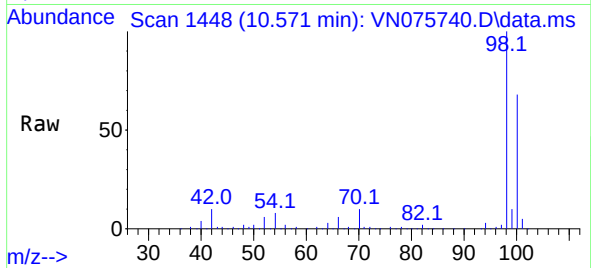




#50
Toluene-d8
Concen: 50.941 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

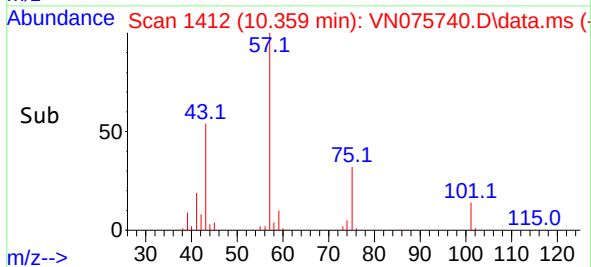
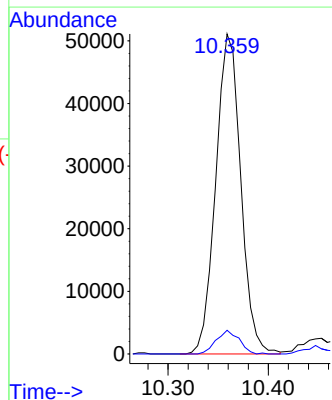
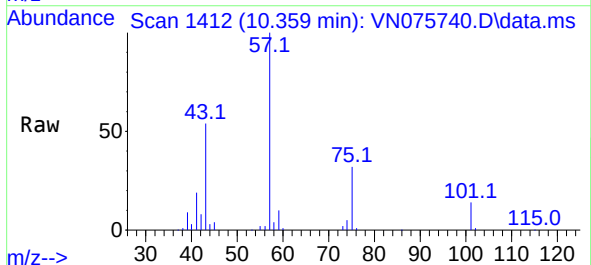
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#03

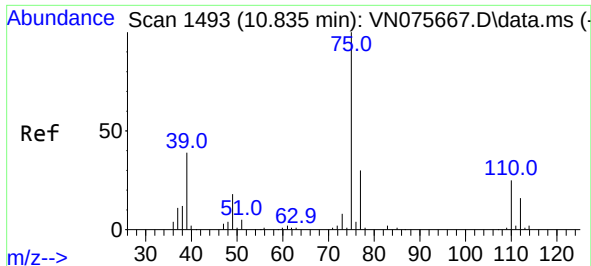
Tgt Ion: 98 Resp: 480143
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 32.162 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

Tgt Ion: 43 Resp: 88588
Ion Ratio Lower Upper
43 100
58 6.8 35.0 52.6#

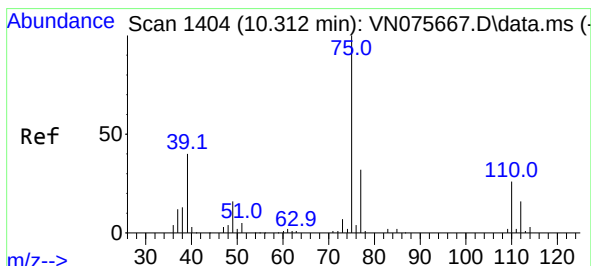
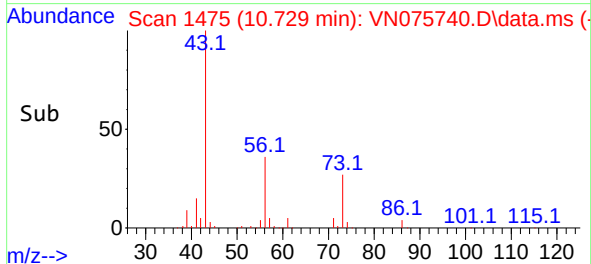
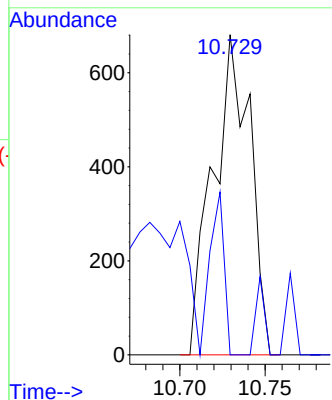
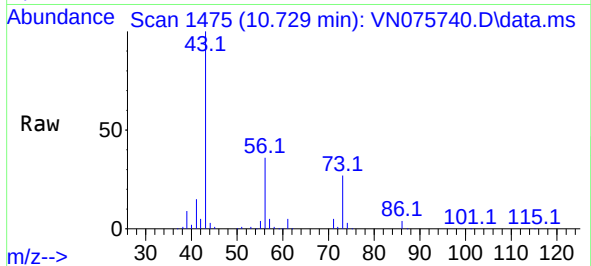




#53
t-1,3-Dichloropropene
Concen: 0.292 ug/l
RT: 10.729 min Scan# 1412
Delta R.T. -0.106 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

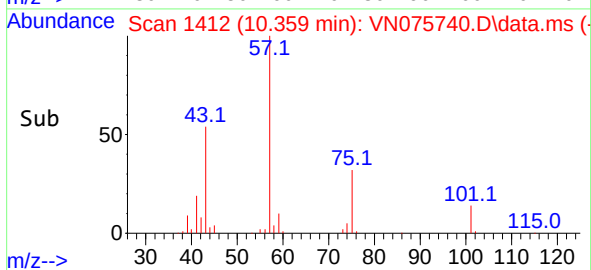
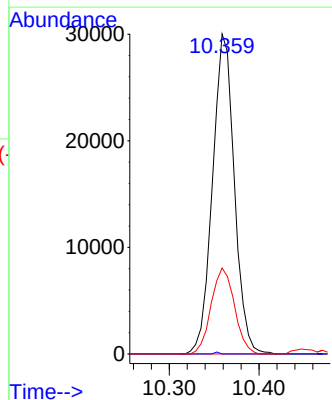
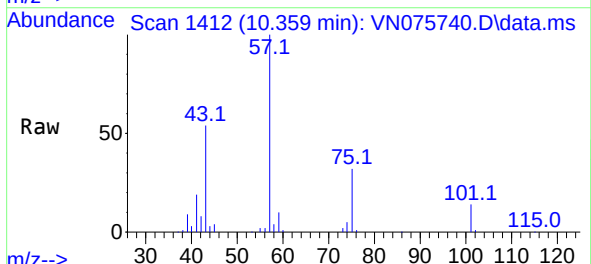
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#03

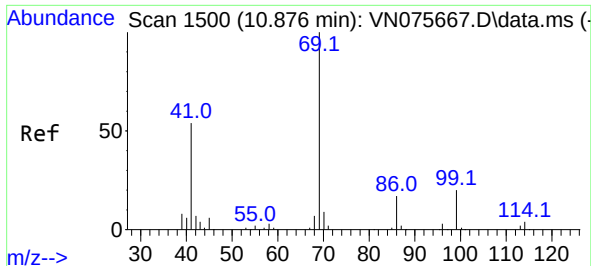
Tgt Ion: 75 Resp: 1031
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#



#54
cis-1,3-Dichloropropene
Concen: 12.882 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

Tgt Ion: 75 Resp: 50685
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 26.9 32.0 48.0#

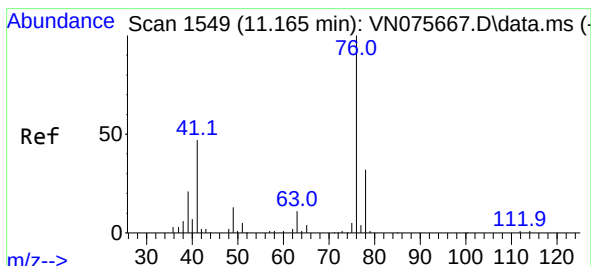
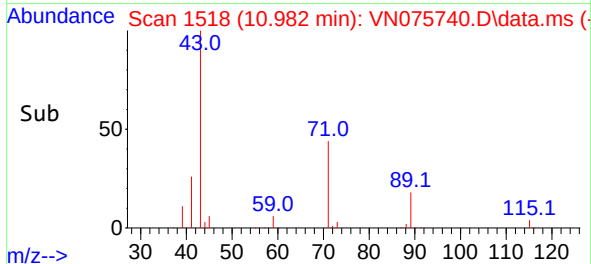
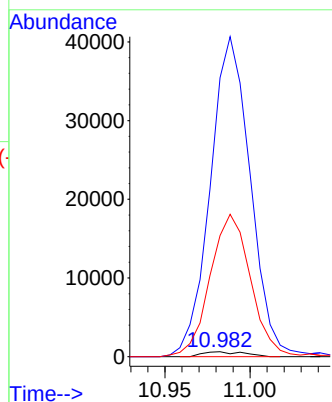
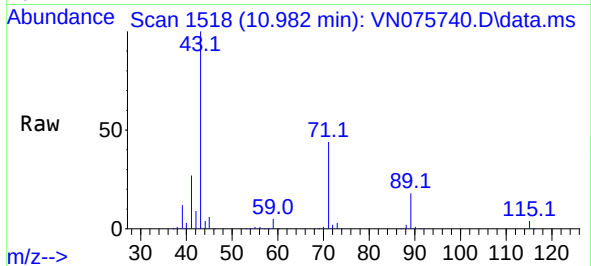




#56
Ethyl methacrylate
Concen: 0.299 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

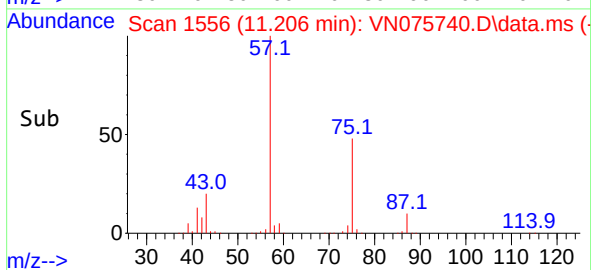
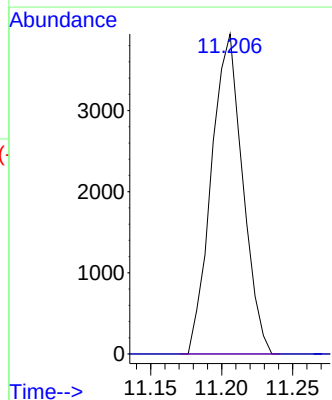
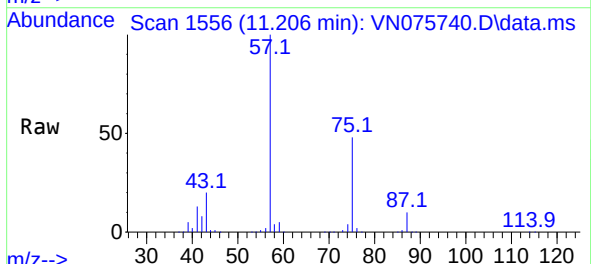
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#03

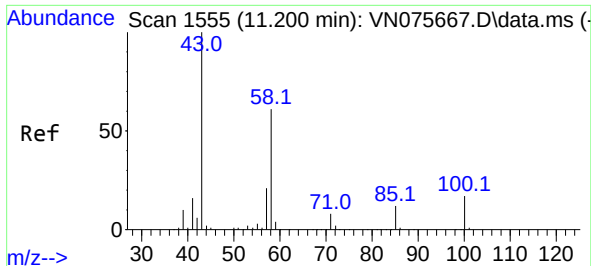
Tgt Ion: 69 Resp: 1076
Ion Ratio Lower Upper
69 100
41 6227.0 44.1 66.1#
39 2798.2 27.7 41.5#



#57
1,3-Dichloropropane
Concen: 1.408 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

Tgt Ion: 76 Resp: 6048
Ion Ratio Lower Upper
76 100
78 0.0 26.8 40.2#

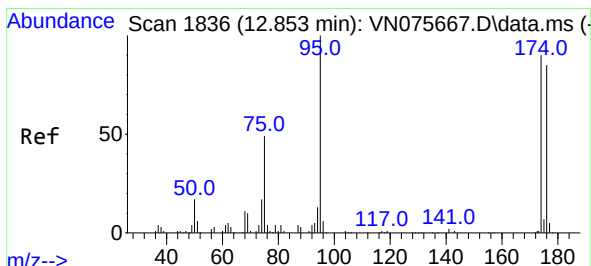
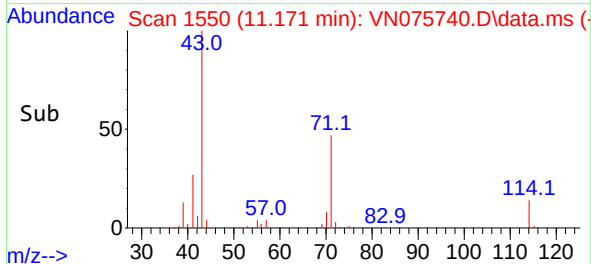
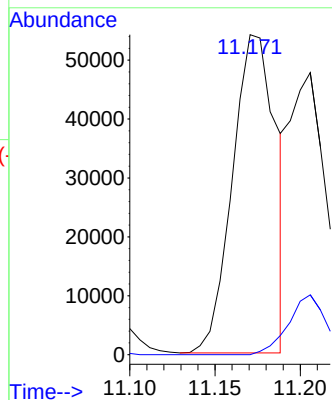
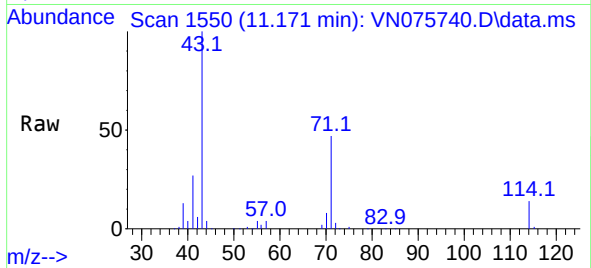




#59
2-Hexanone
Concen: 47.926 ug/l
RT: 11.171 min Scan# 11550
Delta R.T. -0.029 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

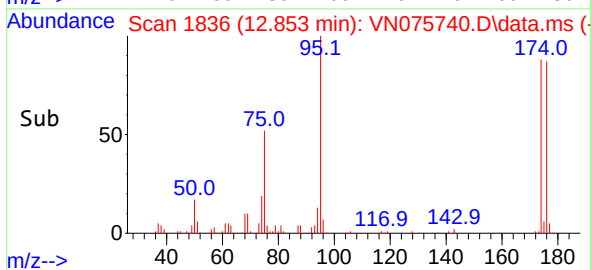
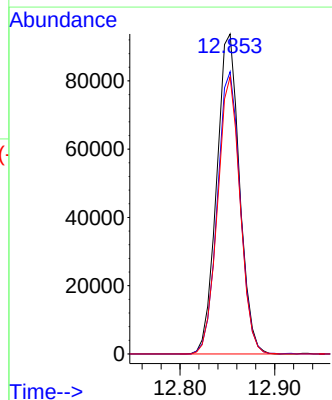
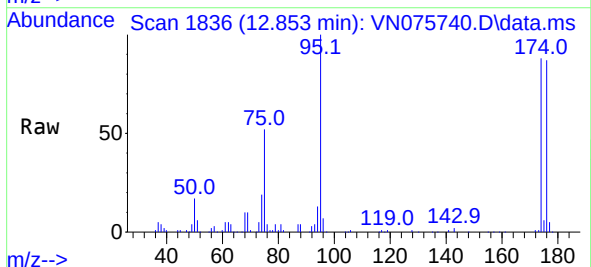
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#03

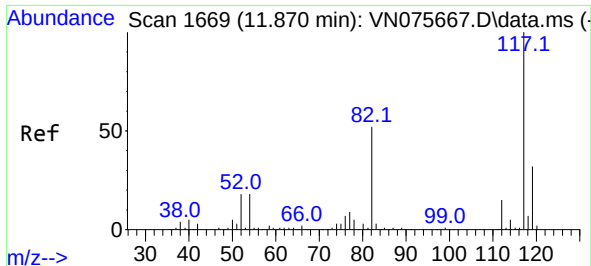
Tgt Ion: 43 Resp: 95908
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 48.724 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

Tgt Ion: 95 Resp: 157019
Ion Ratio Lower Upper
95 100
174 87.8 0.0 178.6
176 85.0 0.0 170.8

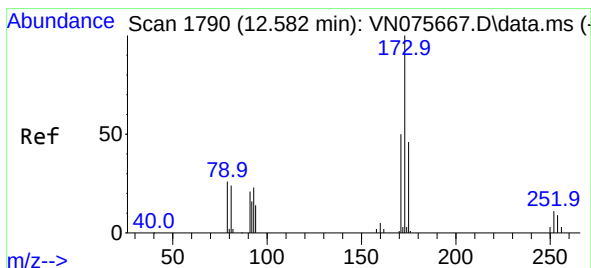
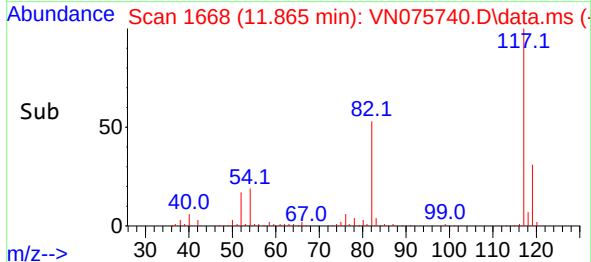
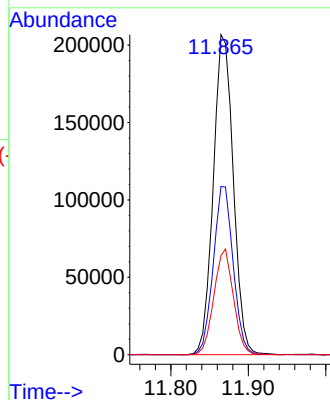
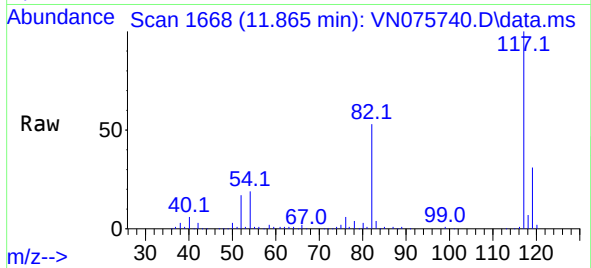




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

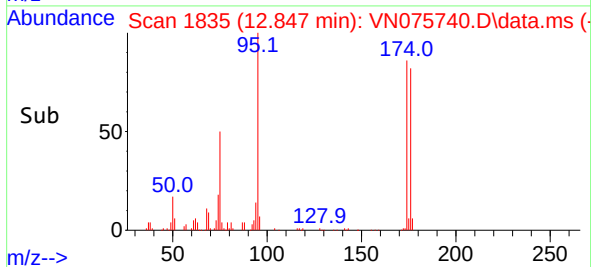
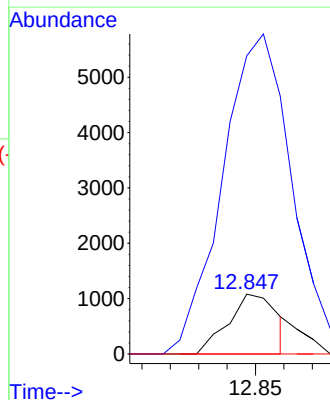
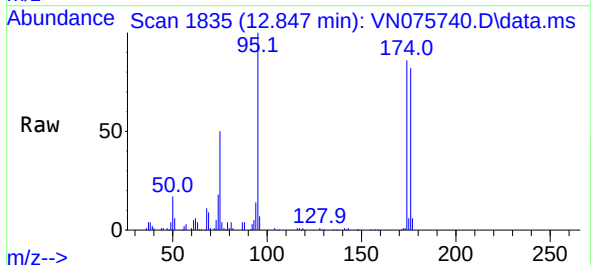
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#03

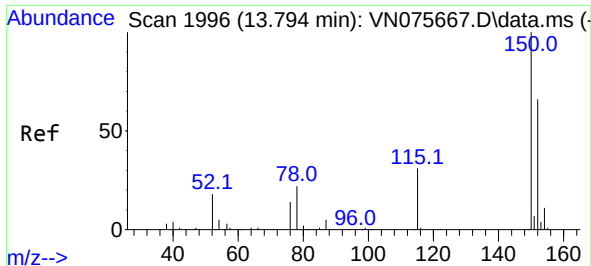
Tgt Ion:117 Resp: 371217
Ion Ratio Lower Upper
117 100
82 52.5 41.8 62.8
119 31.0 25.8 38.6



#71
Bromoform
Concen: 0.616 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

Tgt Ion:173 Resp: 1298
Ion Ratio Lower Upper
173 100
175 638.4 23.8 71.2#
254 0.0 0.0 0.0

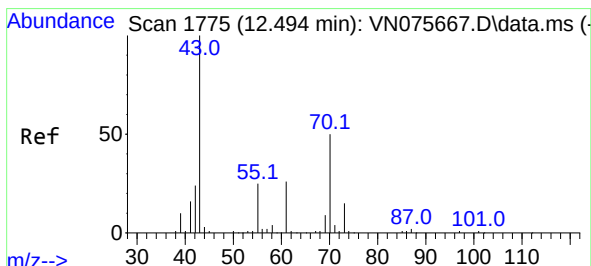
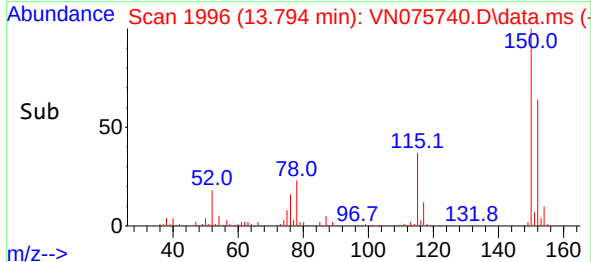
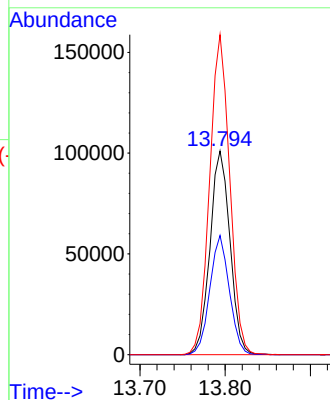
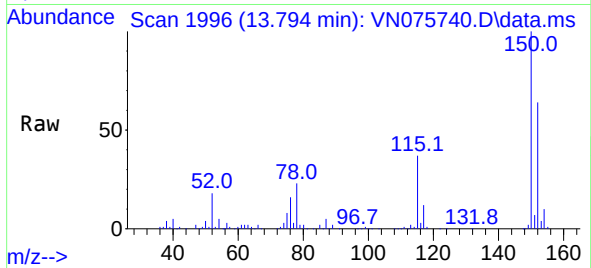




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

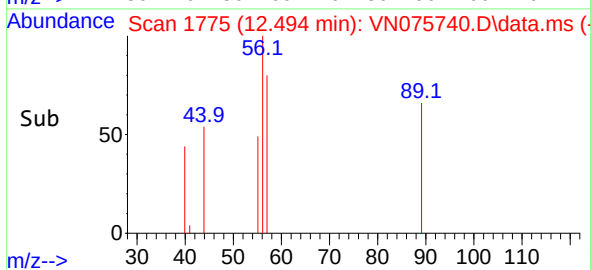
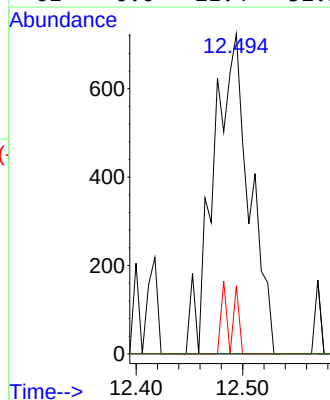
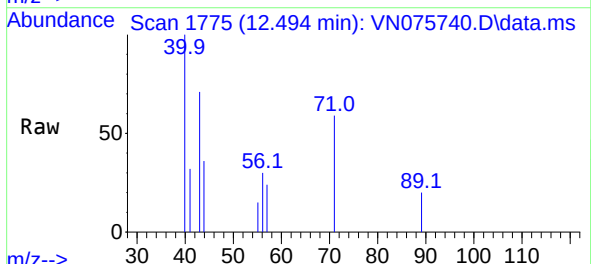
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#03

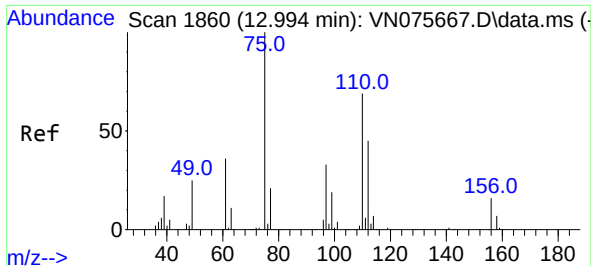
Tgt Ion:152 Resp: 164753
Ion Ratio Lower Upper
152 100
115 57.2 28.4 85.2
150 157.3 0.0 347.6



#74
N-ethyl acetate
Concen: 0.498 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

Tgt Ion: 43 Resp: 1711
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.6#
55 6.6 20.7 31.1#
61 0.0 21.4 32.2#

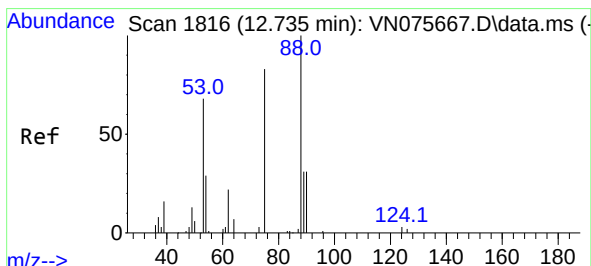
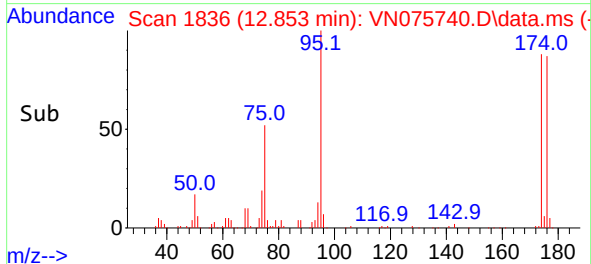
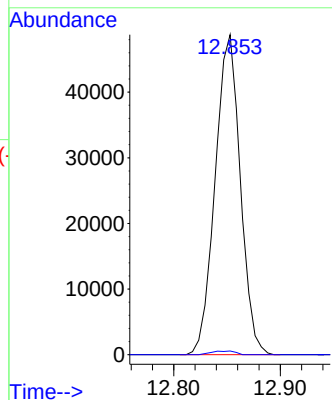
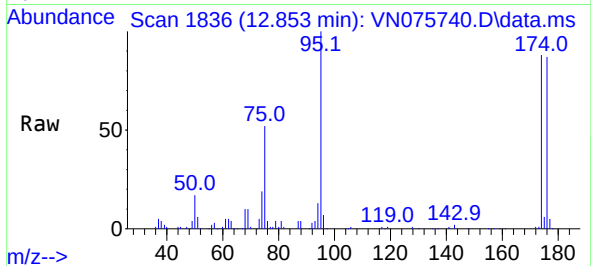




#76
1,2,3-Trichloropropane
Concen: 24.121 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#03

Tgt Ion: 75 Resp: 79807
Ion Ratio Lower Upper
75 100
77 1.1 81.8 245.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.052 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075740.D
Acq: 13 Dec 2022 04:53

Tgt Ion: 75 Resp: 79807
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 36.6 55.0#

