

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110422\
 Data File : VN075172.D
 Acq On : 04 Nov 2022 14:09
 Operator : JC\MD
 Sample : PB148795ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148795ZHE#01

Quant Time: Nov 05 06:58:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

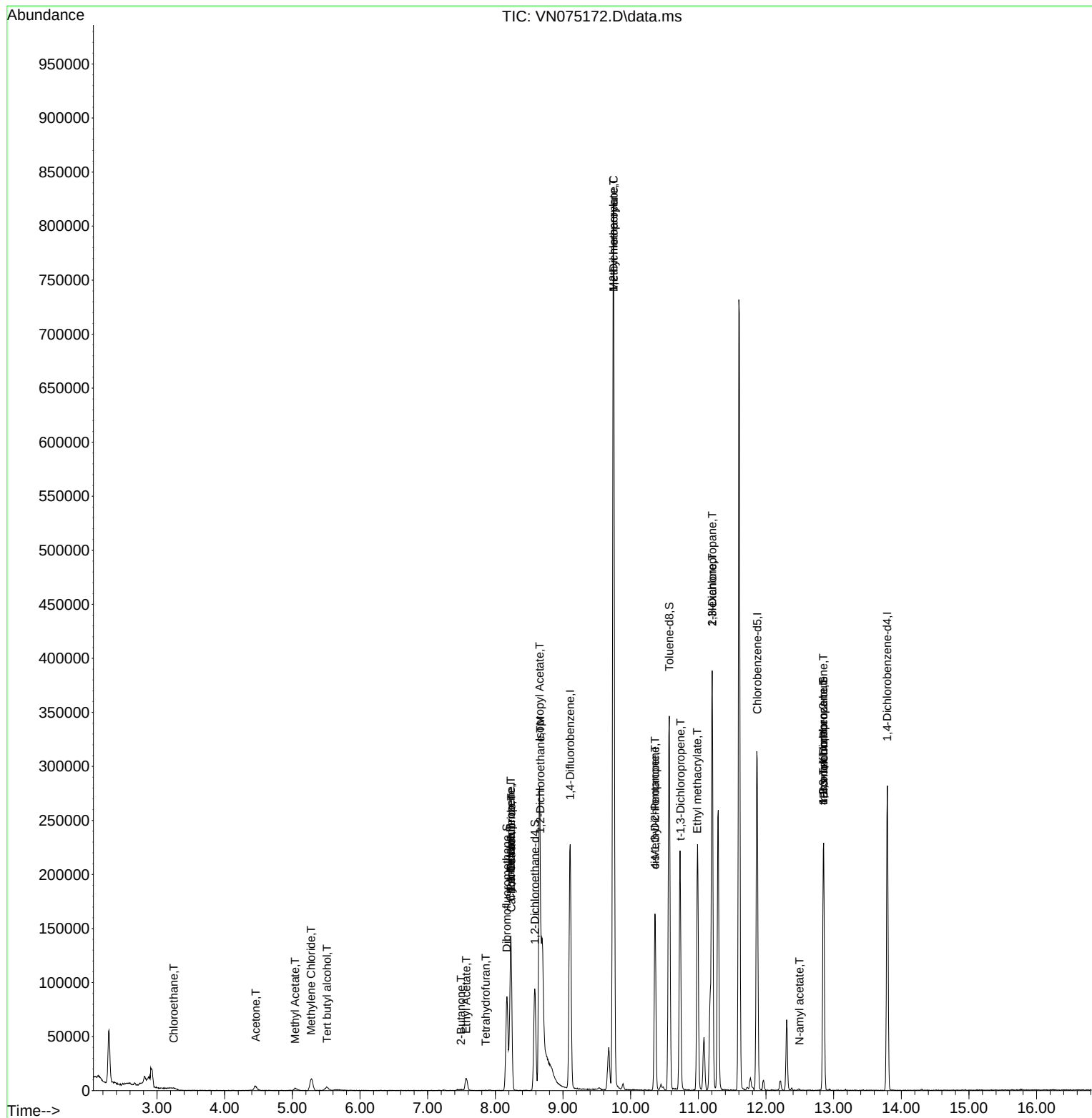
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	97198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	200868	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	182567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	72095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	77654	59.295	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 118.580%	
35) Dibromofluoromethane	8.171	113	60701	51.477	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.960%	
50) Toluene-d8	10.571	98	243328	53.187	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.380%	
62) 4-Bromofluorobenzene	12.847	95	79764	49.632	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.260%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.918	94	272	Below Cal		84
6) Chloroethane	3.248	64	746	0.543	ug/l #	45
11) Tert butyl alcohol	5.512	59	3146	10.301	ug/l #	72
16) Acetone	4.459	43	8423	15.189	ug/l	96
18) Methyl Acetate	5.042	43	4389	2.423	ug/l	93
20) Methylene Chloride	5.277	84	9252	7.483	ug/l	94
25) 2-Butanone	7.494	43	1772	2.032	ug/l #	76
29) Tetrahydrofuran	7.859	42	120	0.213	ug/l #	59
31) Cyclohexane	8.224	56	2671	1.371	ug/l #	54
36) 1,1-Dichloropropene	8.230	75	8846	4.846	ug/l #	50
37) Ethyl Acetate	7.571	43	17282	8.632	ug/l	98
38) Carbon Tetrachloride	8.235	117	11456	5.705	ug/l #	16
42) 1,2-Dichloroethane	8.665	62	991	0.487	ug/l #	75
43) Isopropyl Acetate	8.653	43	202786	65.298	ug/l #	53
45) 1,2-Dichloropropane	9.747	63	952	0.716	ug/l #	42
48) Methyl methacrylate	9.747	41	72019	50.556	ug/l #	35
51) 4-Methyl-2-Pentanone	10.359	43	58699	29.291	ug/l #	44
53) t-1,3-Dichloropropene	10.735	75	642	0.303	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	30723	13.674	ug/l #	66
56) Ethyl methacrylate	10.982	69	896	0.396	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4276	1.733	ug/l #	42
59) 2-Hexanone	11.206	43	41375	27.203	ug/l #	58
71) Bromoform	12.853	173	664	0.613	ug/l #	1
74) N-amyl acetate	12.494	43	712	0.333	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	42617	27.840	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	42617	71.466	ug/l #	10

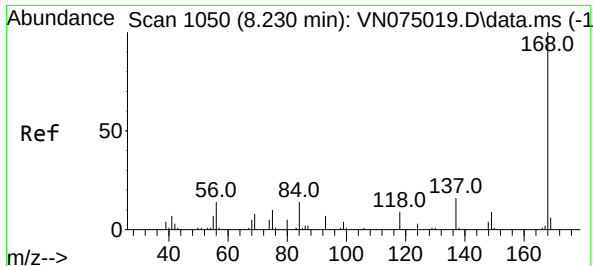
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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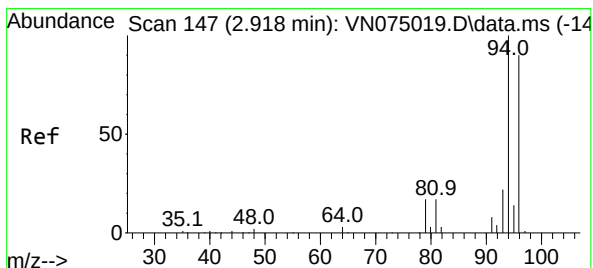
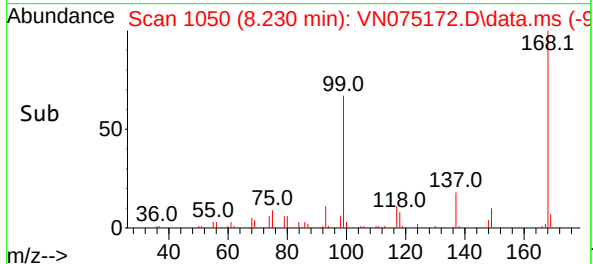
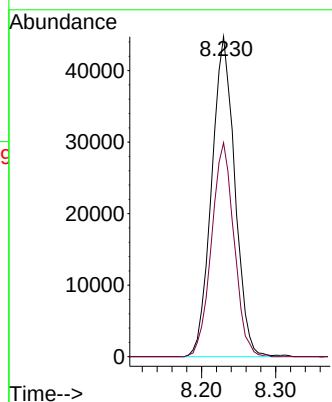
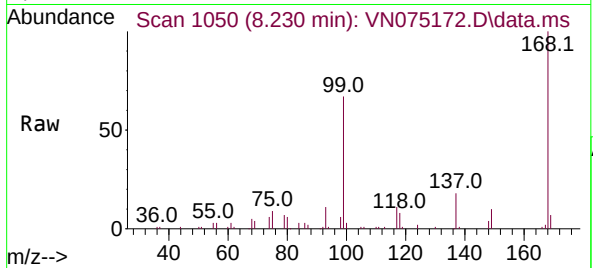




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

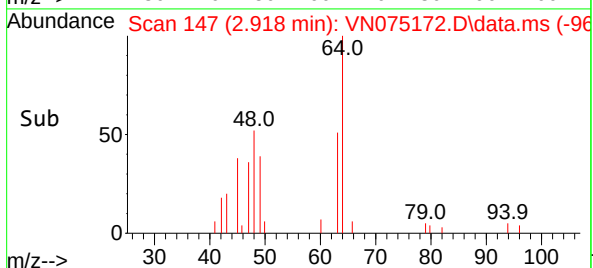
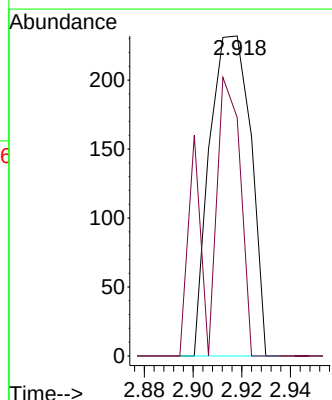
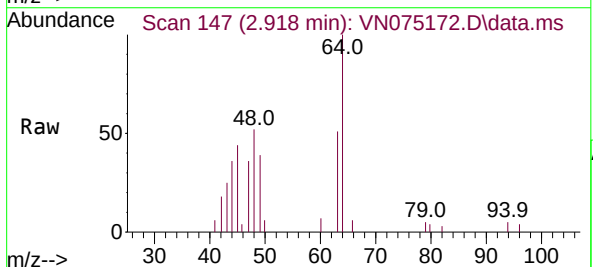
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#01

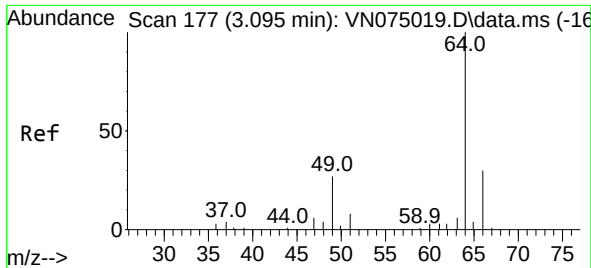
Tgt Ion:168 Resp: 97198
Ion Ratio Lower Upper
168 100
99 66.9 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

Tgt Ion: 94 Resp: 272
Ion Ratio Lower Upper
94 100
96 74.6 71.8 107.6

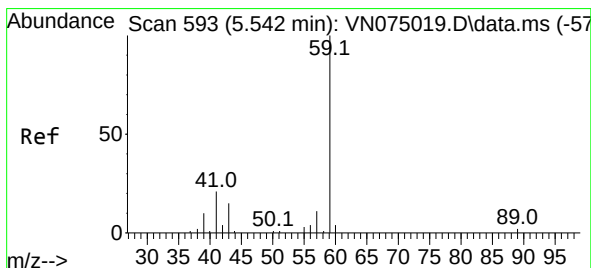
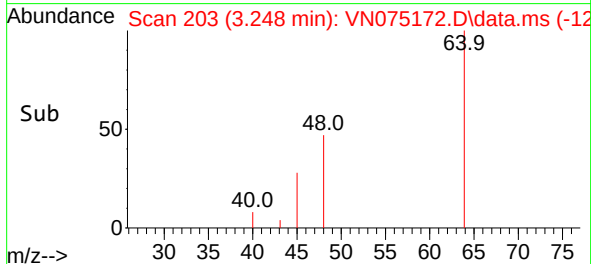
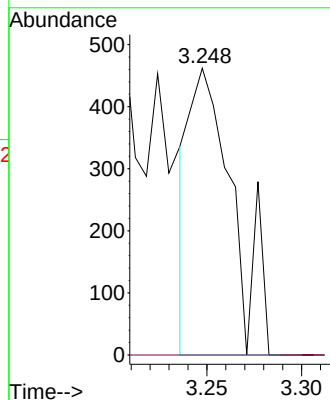
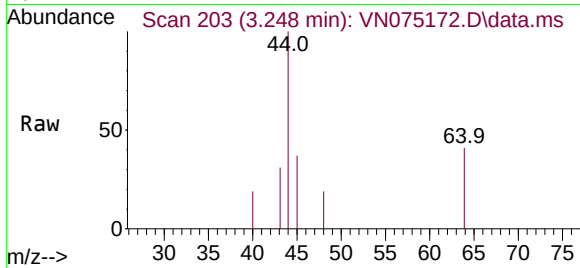




#6
Chloroethane
Concen: 0.543 ug/l
RT: 3.248 min Scan# 203
Delta R.T. 0.152 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

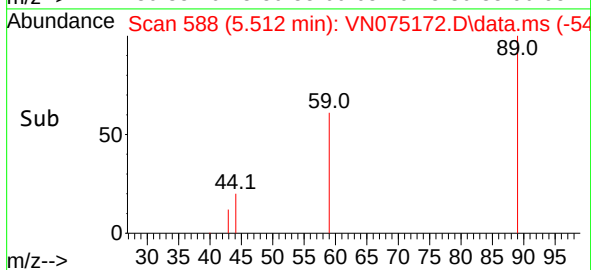
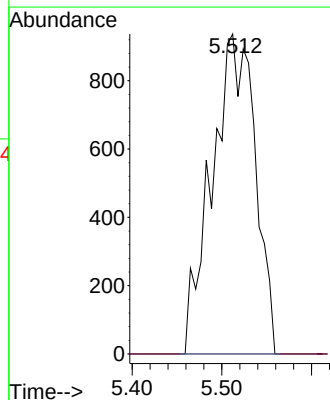
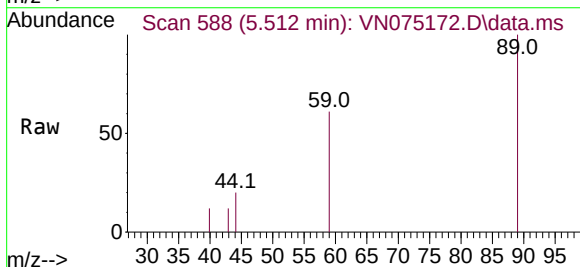
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#01

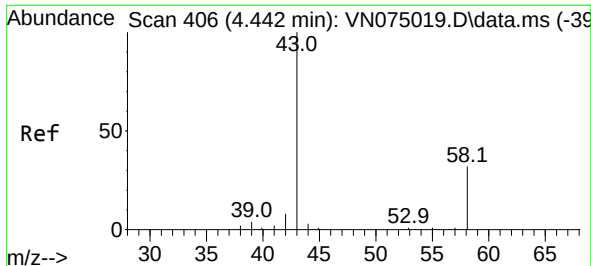
Tgt Ion: 64 Resp: 746
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 10.301 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.030 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

Tgt Ion: 59 Resp: 3146
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

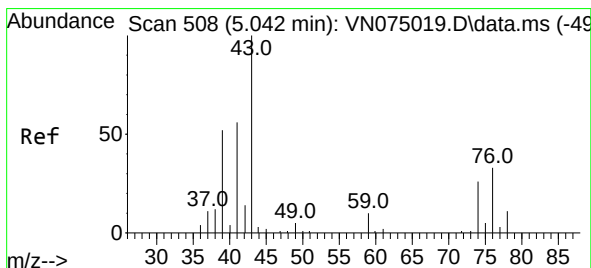
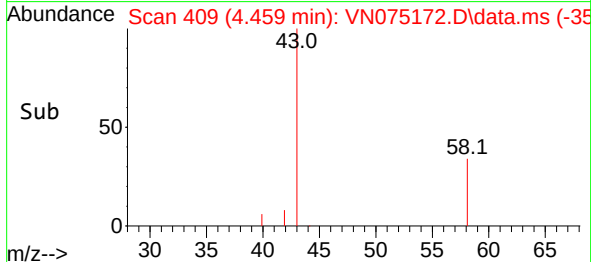
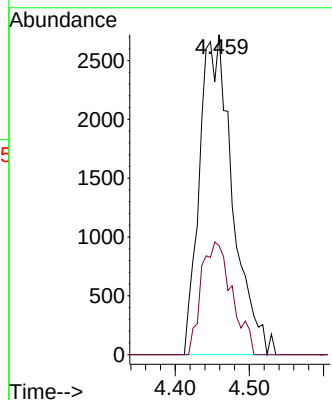
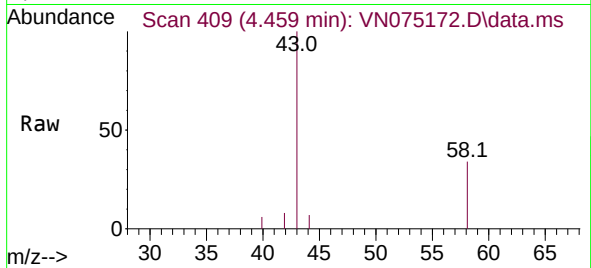




#16
Acetone
Concen: 15.189 ug/l
RT: 4.459 min Scan# 409
Delta R.T. 0.017 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

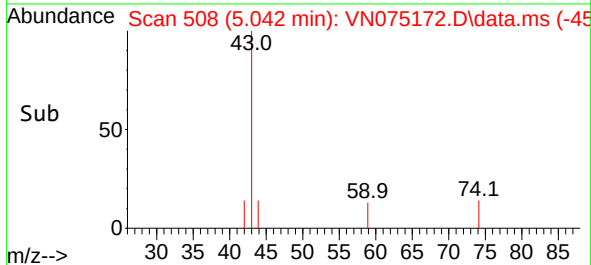
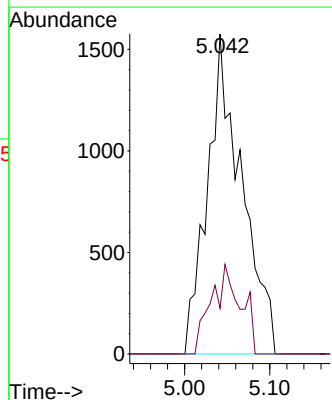
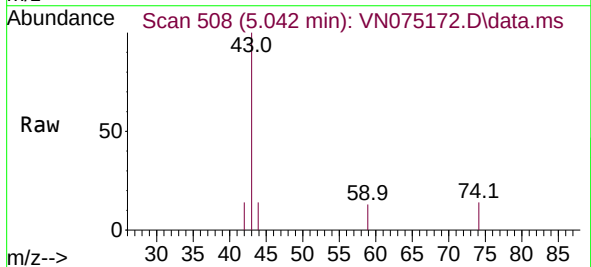
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#01

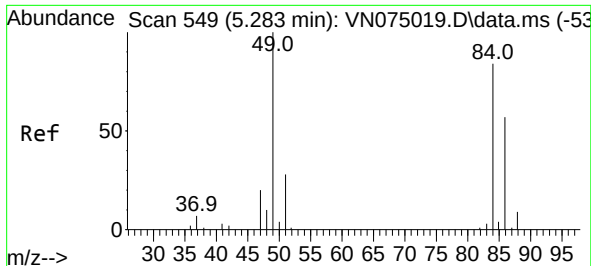
Tgt Ion: 43 Resp: 8423
Ion Ratio Lower Upper
43 100
58 34.0 25.5 38.3



#18
Methyl Acetate
Concen: 2.423 ug/l
RT: 5.042 min Scan# 508
Delta R.T. -0.000 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

Tgt Ion: 43 Resp: 4389
Ion Ratio Lower Upper
43 100
74 23.9 22.0 33.0



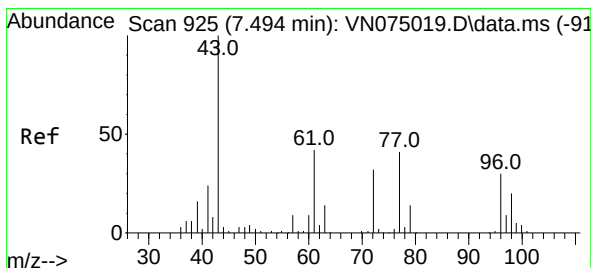
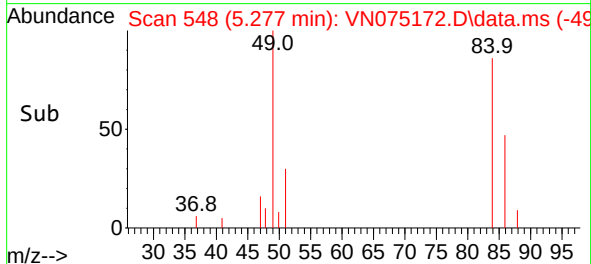
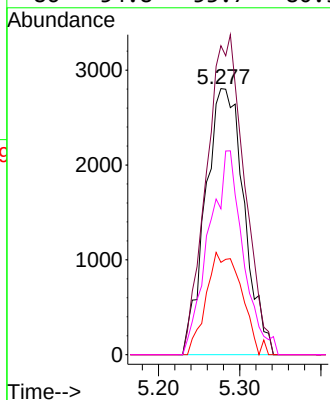
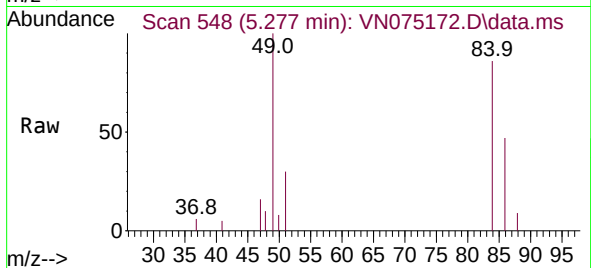


#20
Methylene Chloride
Concen: 7.483 ug/l
RT: 5.277 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#01

Tgt Ion: 84 Resp: 9252

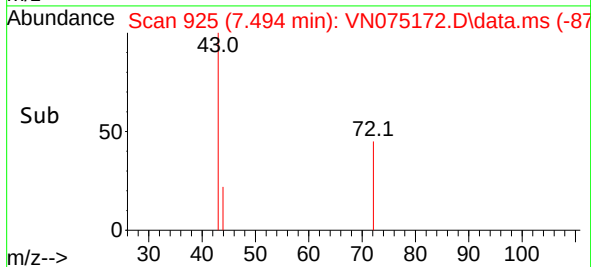
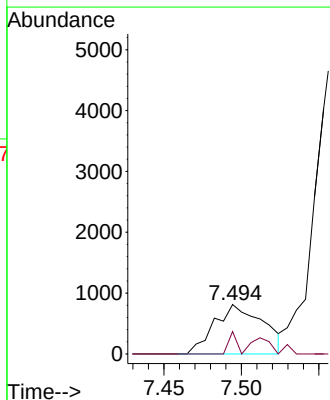
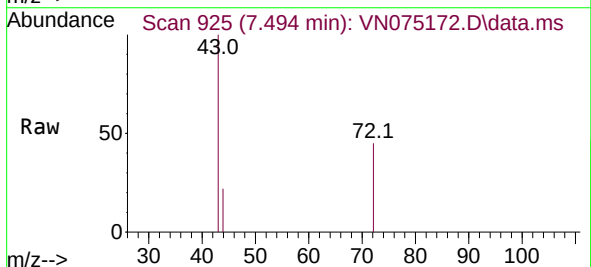
Ion	Ratio	Lower	Upper
84	100		
49	116.1	94.9	142.3
51	34.7	26.8	40.2
86	54.8	53.7	80.5

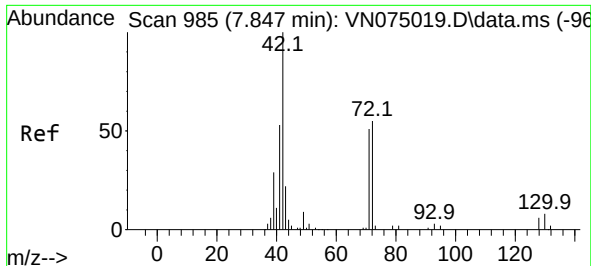


#25
2-Butanone
Concen: 2.032 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.000 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

Tgt Ion: 43 Resp: 1772

Ion	Ratio	Lower	Upper
43	100		
72	45.2	25.5	38.3#





#29

Tetrahydrofuran

Concen: 0.213 ug/l

RT: 7.859 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN075172.D

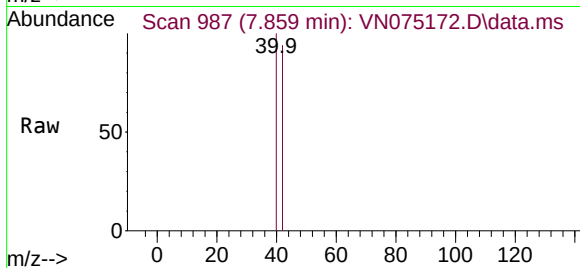
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Instrument :

MSVOA_N

ClientSampleId :

PB148795ZHE#01



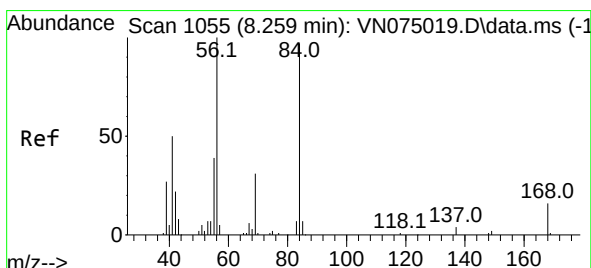
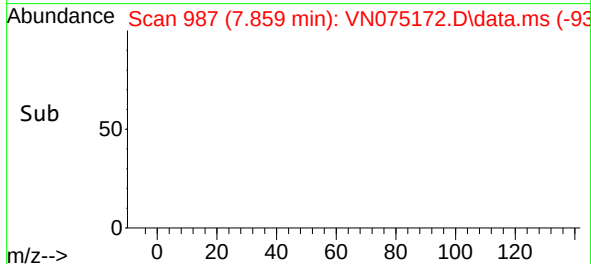
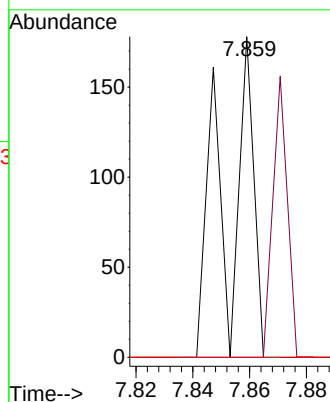
Tgt Ion: 42 Resp: 120

Ion Ratio Lower Upper

42 100

72 45.8 43.0 64.6

71 0.0 39.9 59.9#



#31

Cyclohexane

Concen: 1.371 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.035 min

Lab File: VN075172.D

Acq: 04 Nov 2022 14:09

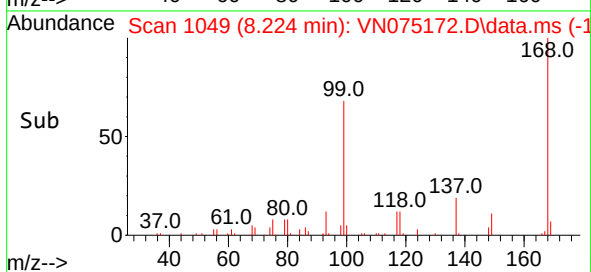
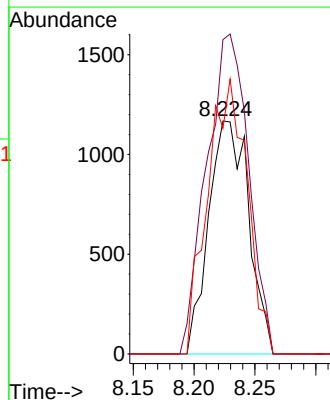
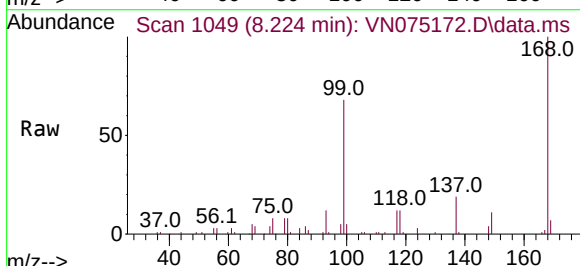
Tgt Ion: 56 Resp: 2671

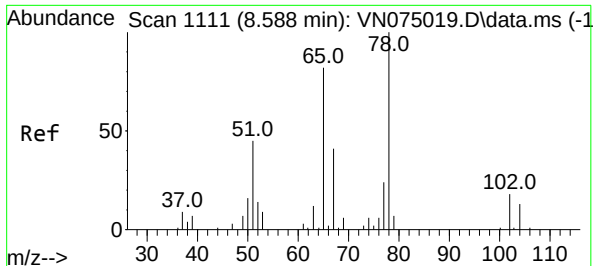
Ion Ratio Lower Upper

56 100

69 134.8 25.2 37.8#

84 96.8 77.8 116.8





#33

1,2-Dichloroethane-d4

Concen: 59.295 ug/l

RT: 8.582 min Scan# 1111

Delta R.T. -0.006 min

Lab File: VN075172.D

Acq: 04 Nov 2022 14:09

Instrument :

MSVOA_N

ClientSampleId :

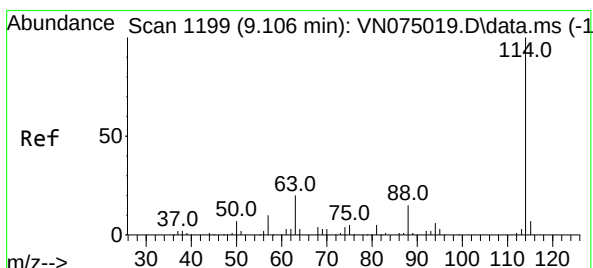
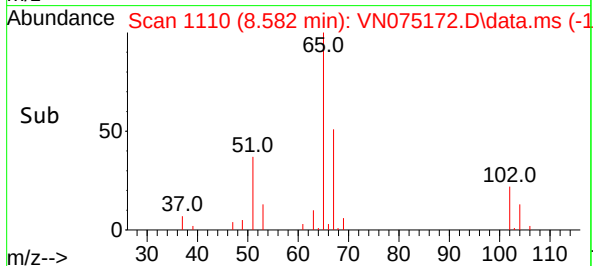
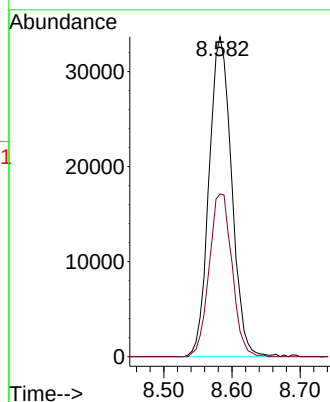
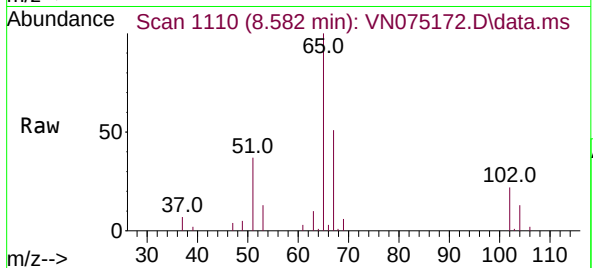
PB148795ZHE#01

Tgt Ion: 65 Resp: 77654

Ion Ratio Lower Upper

65 100

67 51.5 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: VN075172.D

Acq: 04 Nov 2022 14:09

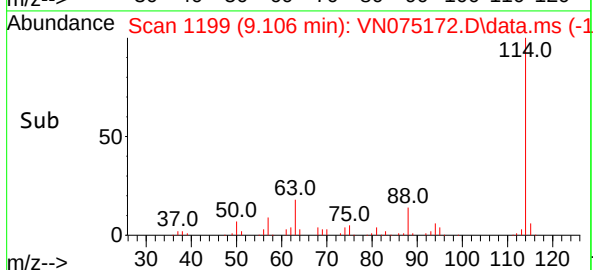
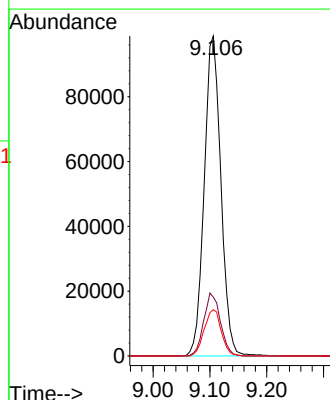
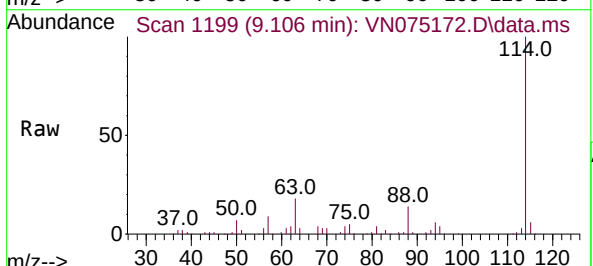
Tgt Ion: 114 Resp: 200868

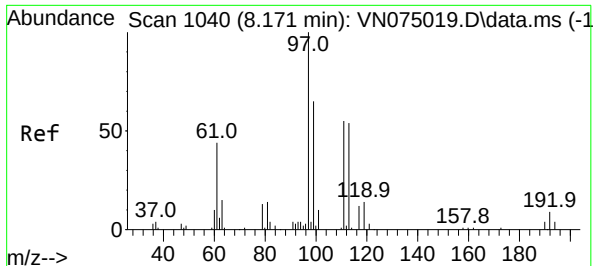
Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

88 14.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 51.477 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075172.D

Acq: 04 Nov 2022 14:09

Instrument :

MSVOA_N

ClientSampleId :

PB148795ZHE#01

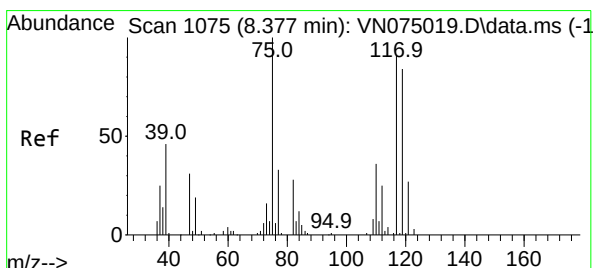
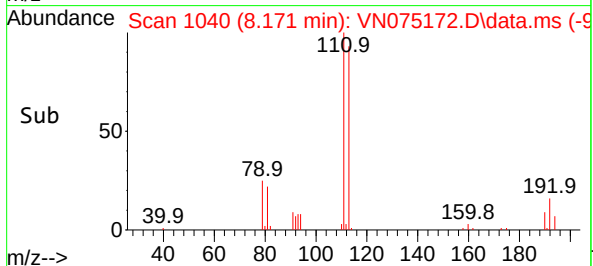
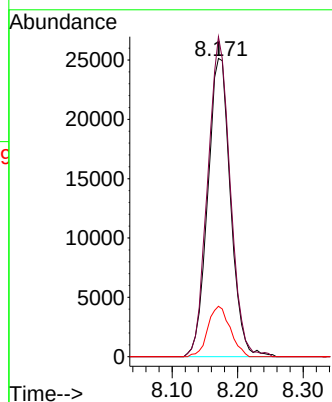
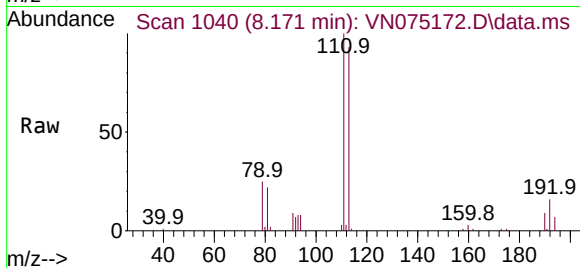
Tgt Ion:113 Resp: 60701

Ion Ratio Lower Upper

113 100

111 106.1 80.5 120.7

192 16.5 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.846 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075172.D

Acq: 04 Nov 2022 14:09

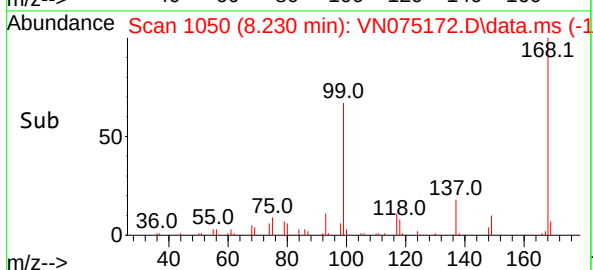
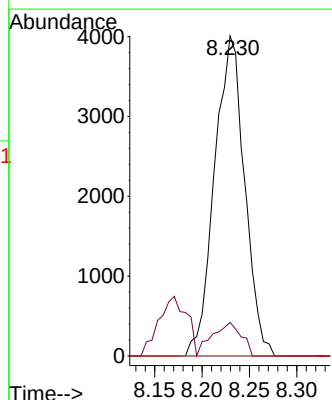
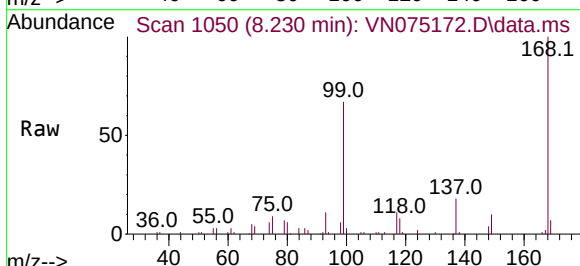
Tgt Ion: 75 Resp: 8846

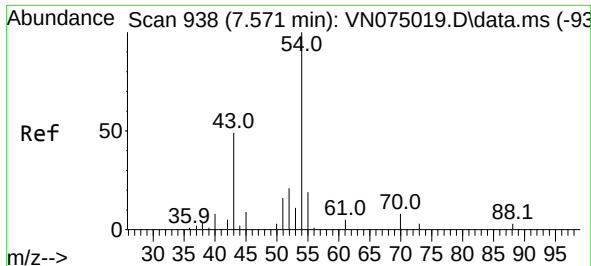
Ion Ratio Lower Upper

75 100

110 9.4 17.8 53.3#

77 0.0 24.6 37.0#

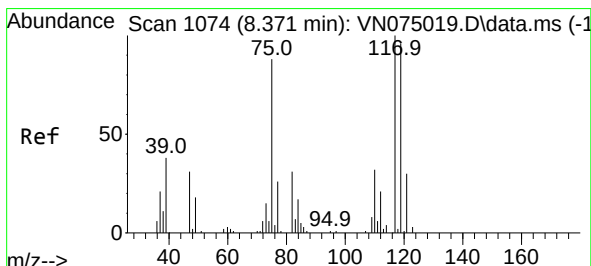
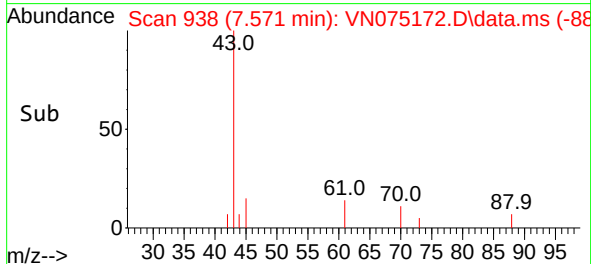
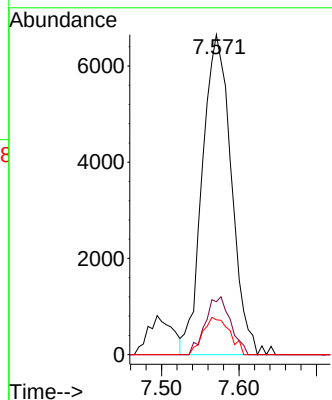
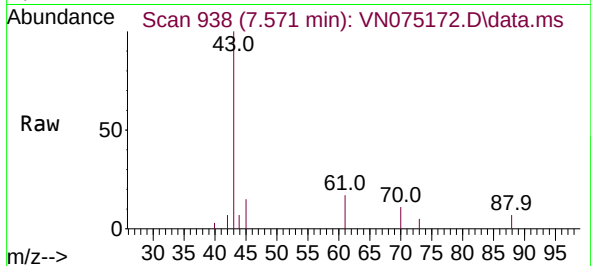




#37
Ethyl Acetate
Concen: 8.632 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

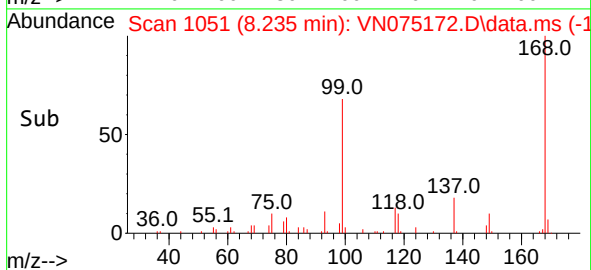
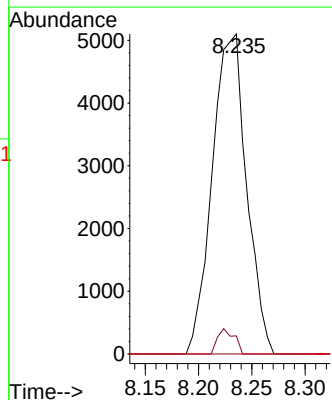
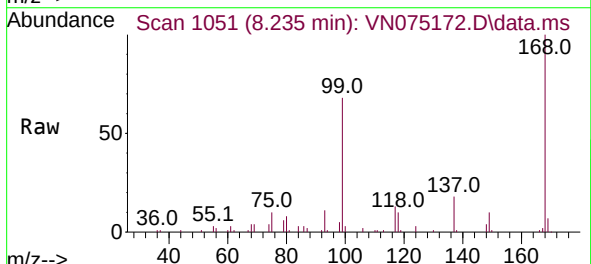
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#01

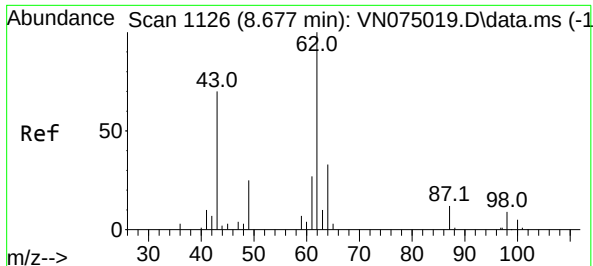
Tgt Ion:	43	Resp:	17282
Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.2	18.4
70	10.7	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.705 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.136 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

Tgt Ion:	117	Resp:	11456
Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.7	115.1#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.487 ug/l

RT: 8.665 min Scan# 1124

Delta R.T. -0.012 min

Lab File: VN075172.D

Acq: 04 Nov 2022 14:09

Instrument :

MSVOA_N

ClientSampleId :

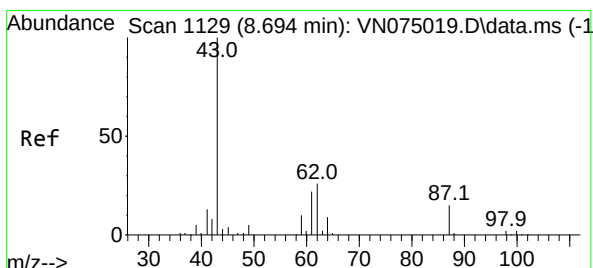
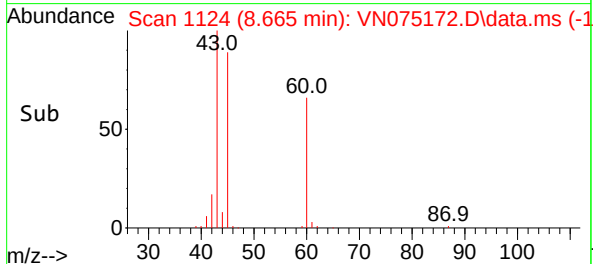
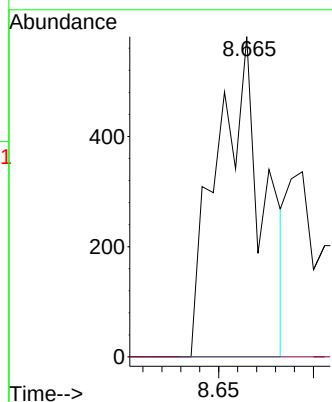
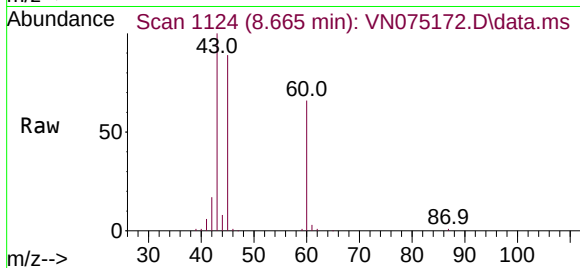
PB148795ZHE#01

Tgt Ion: 62 Resp: 991

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 65.298 ug/l

RT: 8.653 min Scan# 1122

Delta R.T. -0.041 min

Lab File: VN075172.D

Acq: 04 Nov 2022 14:09

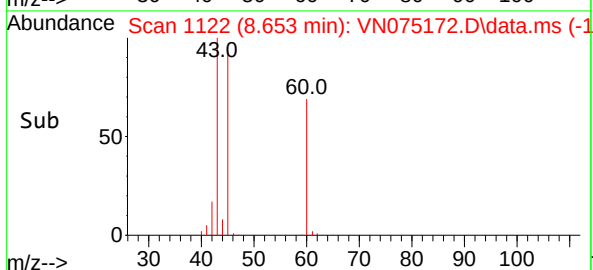
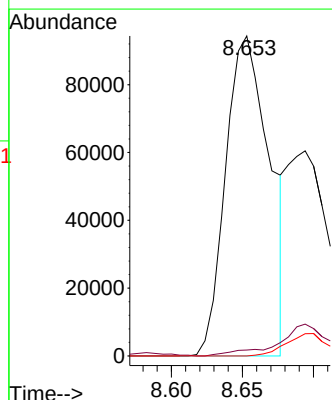
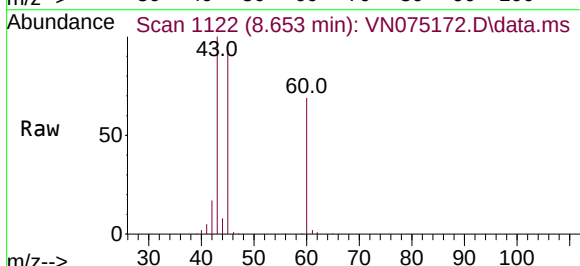
Tgt Ion: 43 Resp: 202786

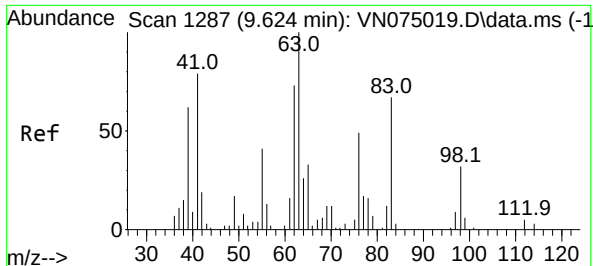
Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 0.716 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.123 min

Lab File: VN075172.D

Acq: 04 Nov 2022 14:09

Instrument :

MSVOA_N

ClientSampleId :

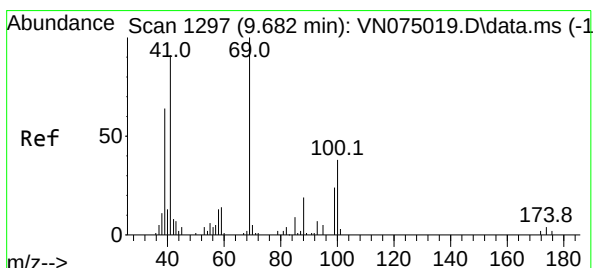
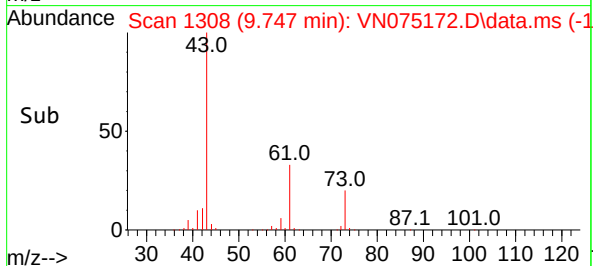
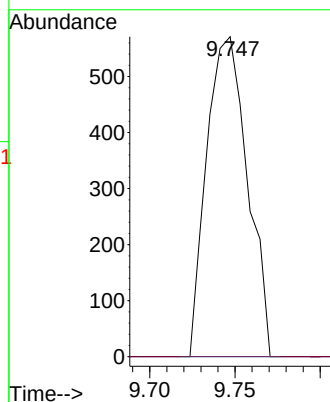
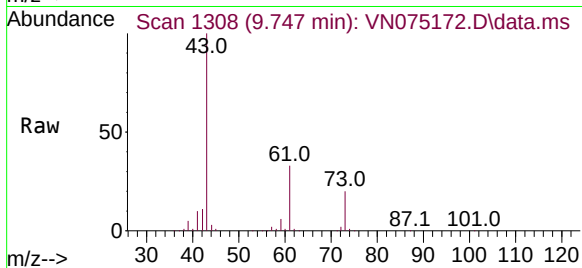
PB148795ZHE#01

Tgt Ion: 63 Resp: 952

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 50.556 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.065 min

Lab File: VN075172.D

Acq: 04 Nov 2022 14:09

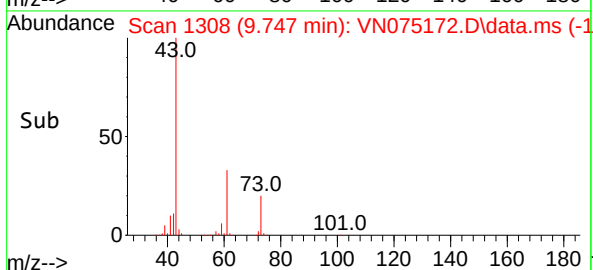
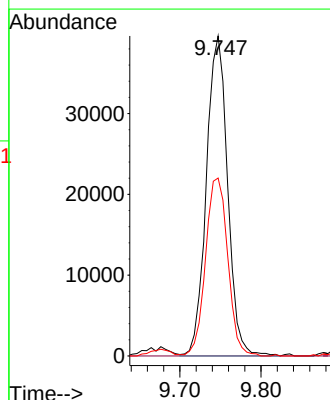
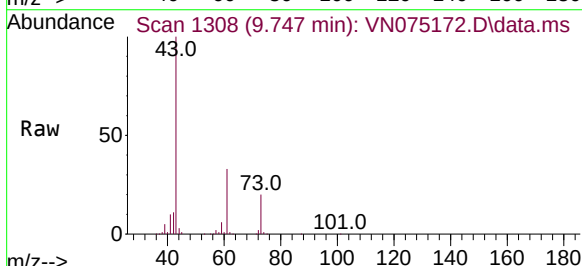
Tgt Ion: 41 Resp: 72019

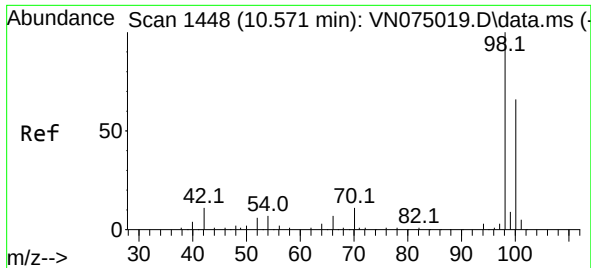
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 58.0 56.2 84.2

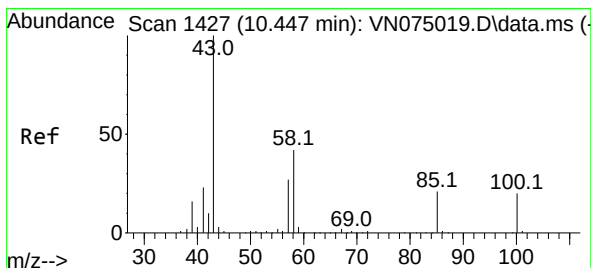
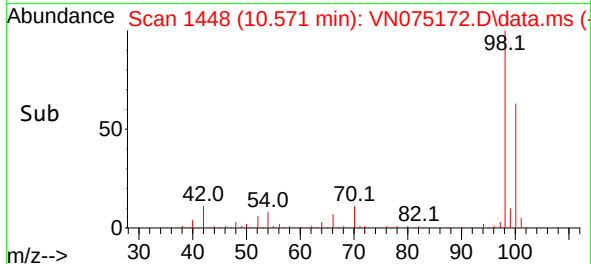
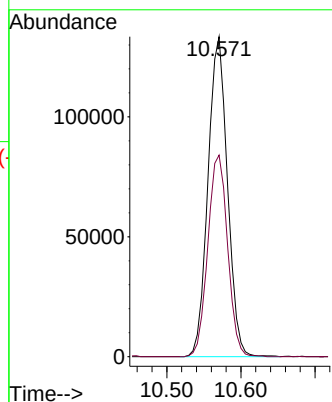
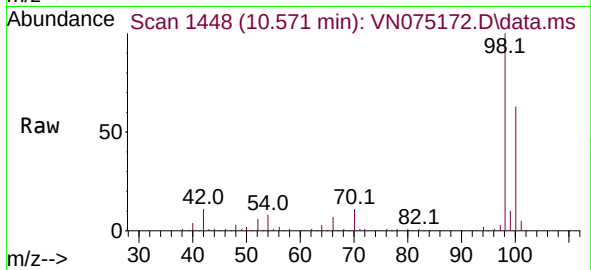




#50
Toluene-d8
Concen: 53.187 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

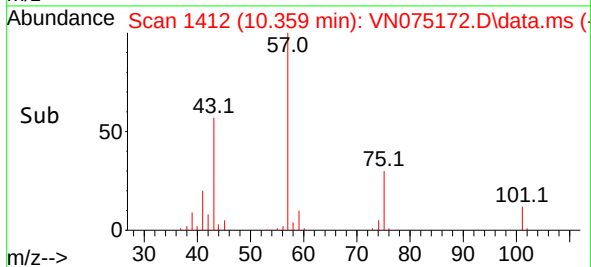
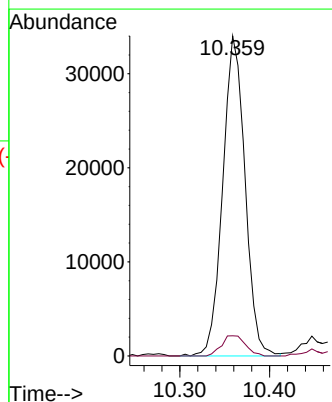
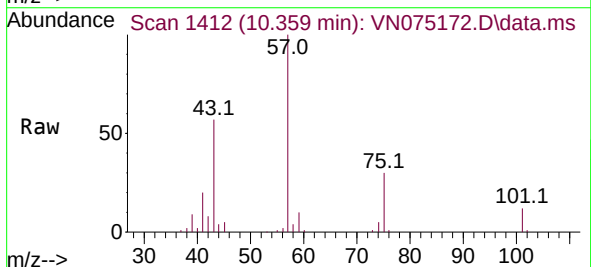
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#01

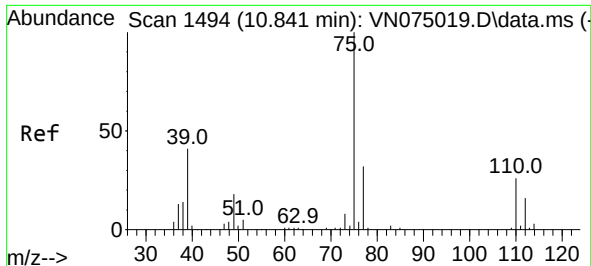
Tgt Ion: 98 Resp: 243328
Ion Ratio Lower Upper
98 100
100 64.1 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 29.291 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

Tgt Ion: 43 Resp: 58699
Ion Ratio Lower Upper
43 100
58 6.8 33.6 50.4#

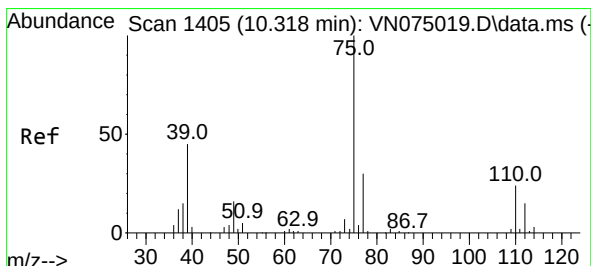
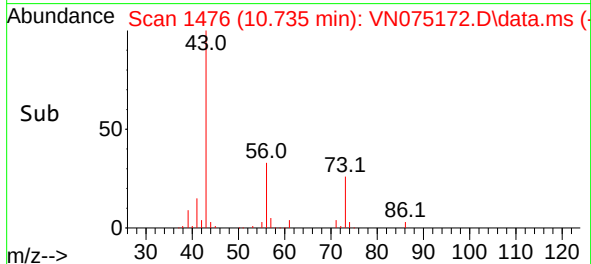
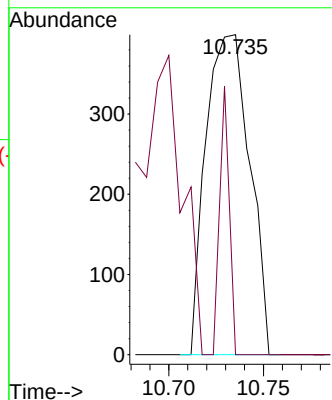
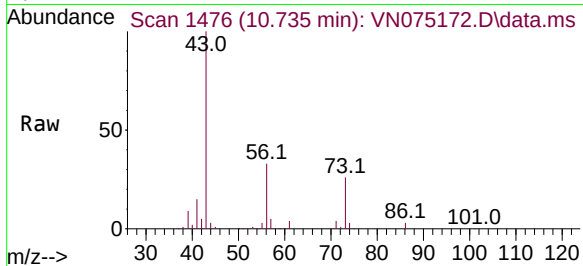




#53
 t-1,3-Dichloropropene
 Concen: 0.303 ug/l
 RT: 10.735 min Scan# 1411
 Delta R.T. -0.106 min
 Lab File: VN075172.D
 Acq: 04 Nov 2022 14:09

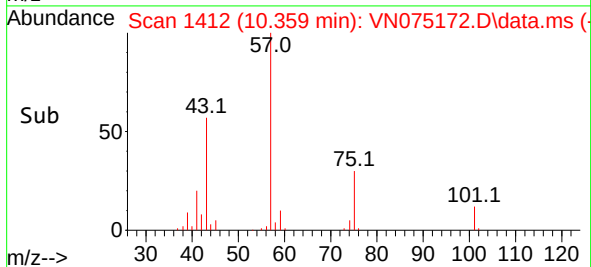
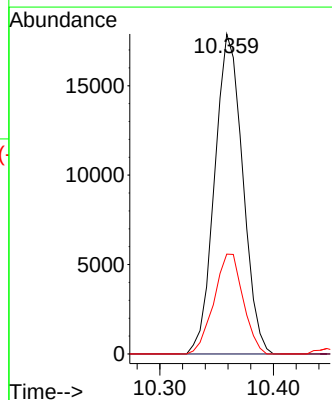
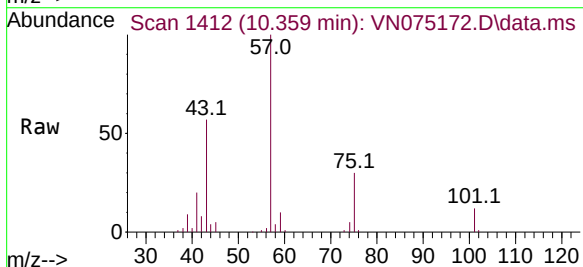
Instrument :
 MSVOA_N
 ClientSampleId :
 PB148795ZHE#01

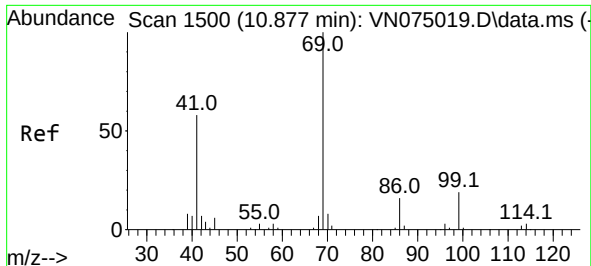
Tgt Ion: 75 Resp: 642
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 13.674 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075172.D
 Acq: 04 Nov 2022 14:09

Tgt Ion: 75 Resp: 30723
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 31.2 35.8 53.6#

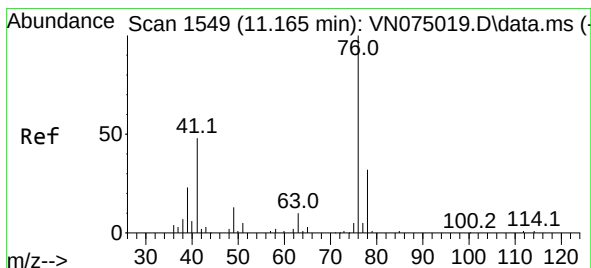
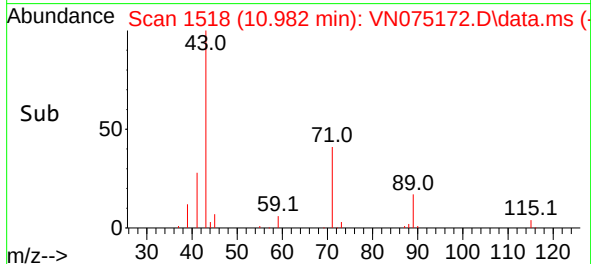
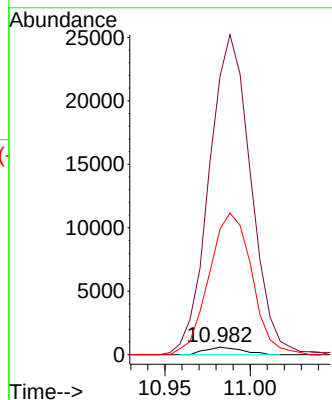
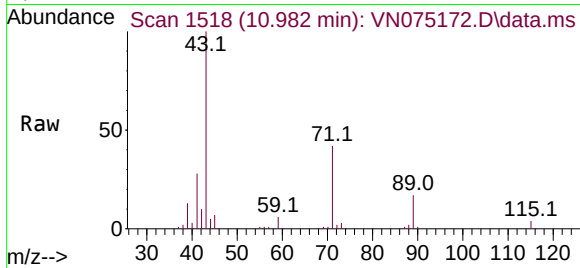




#56
Ethyl methacrylate
Concen: 0.396 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

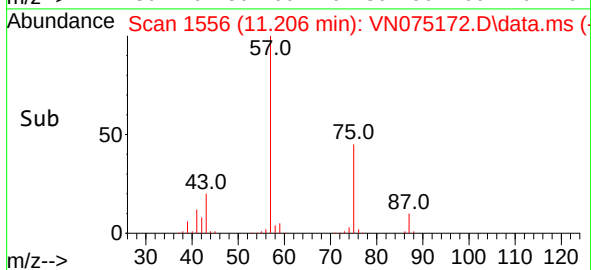
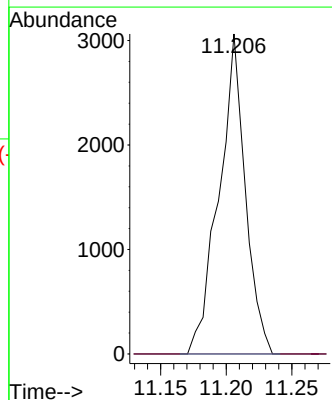
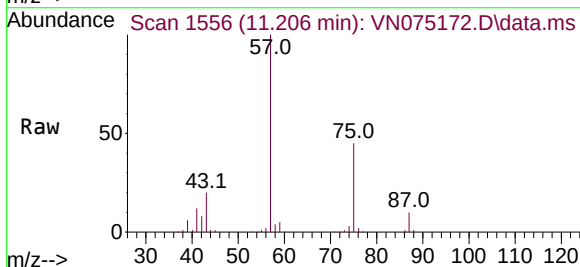
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#01

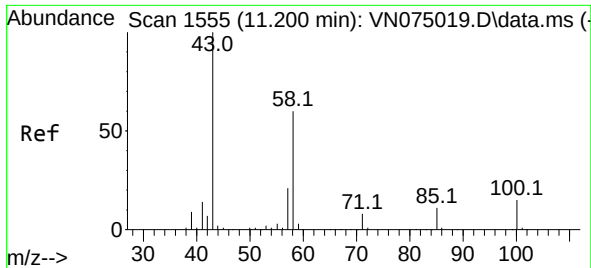
Tgt Ion: 69 Resp: 896
Ion Ratio Lower Upper
69 100
41 4810.5 45.6 68.4#
39 2178.1 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.733 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

Tgt Ion: 76 Resp: 4276
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

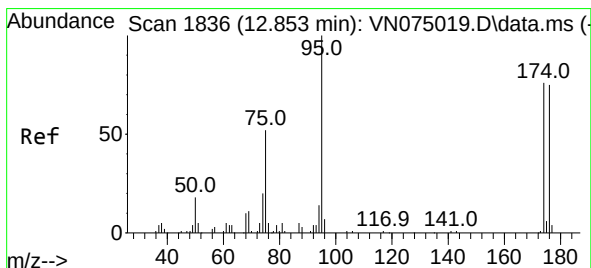
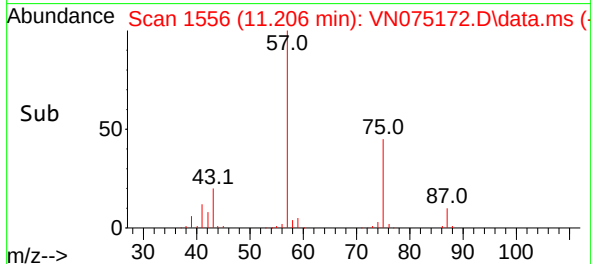
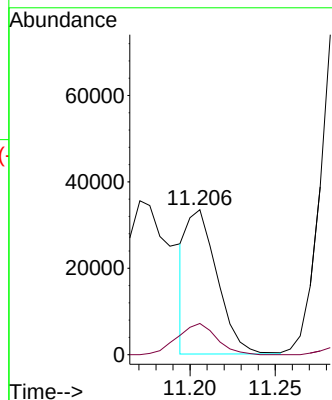
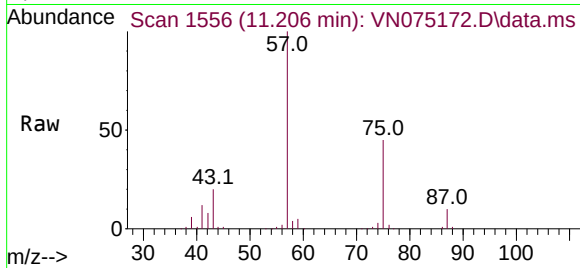




#59
2-Hexanone
Concen: 27.203 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

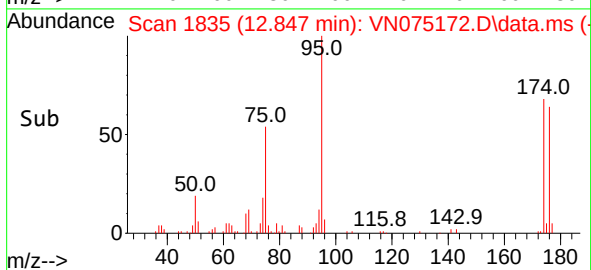
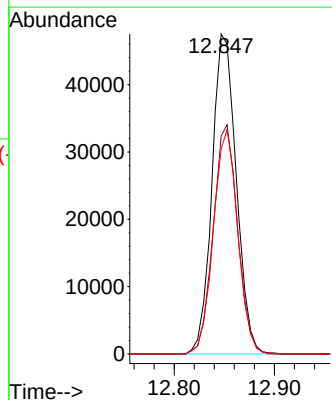
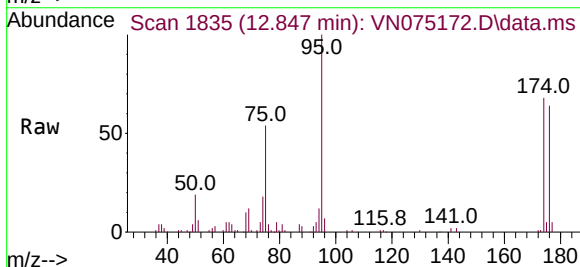
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#01

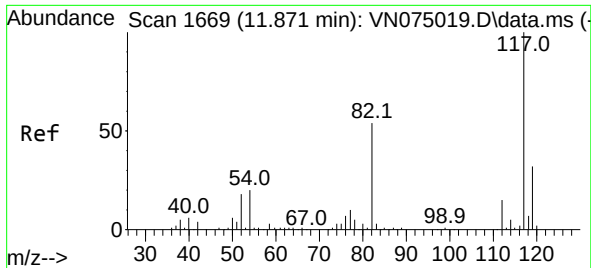
Tgt Ion: 43 Resp: 41375
Ion Ratio Lower Upper
43 100
58 27.9 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 49.632 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

Tgt Ion: 95 Resp: 79764
Ion Ratio Lower Upper
95 100
174 72.2 0.0 147.4
176 70.2 0.0 142.2

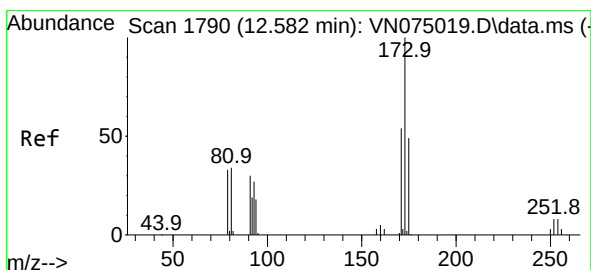
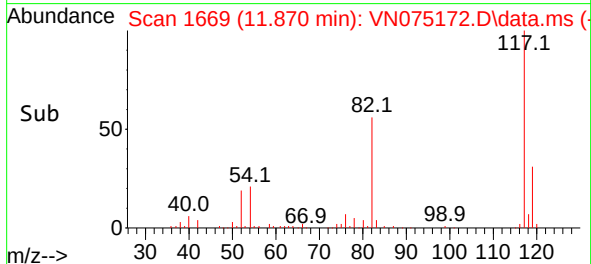
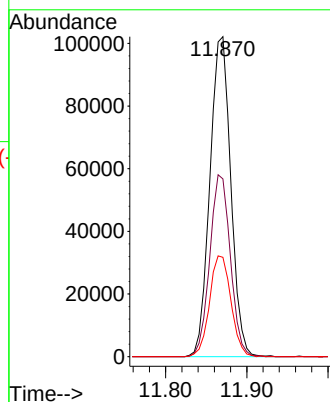
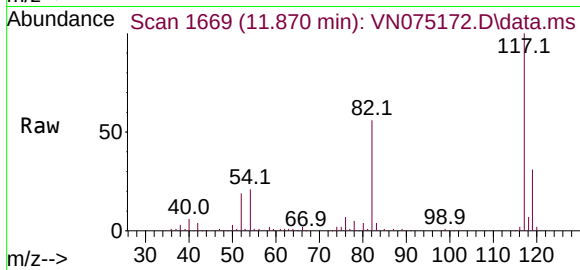




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. -0.001 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

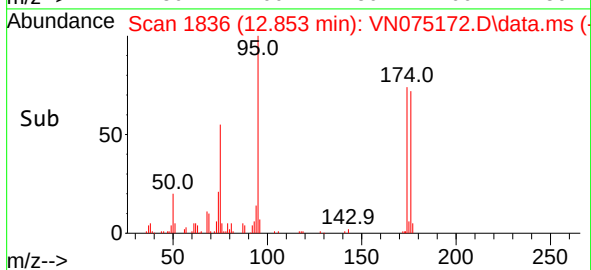
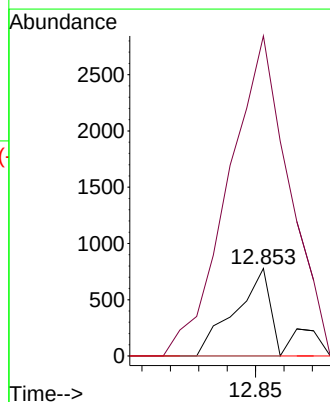
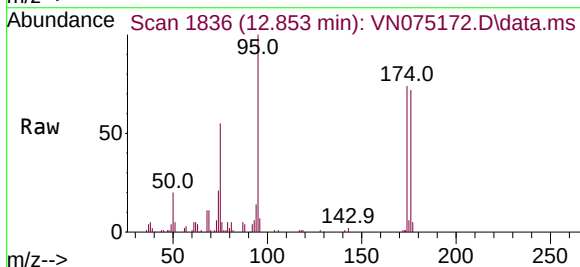
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#01

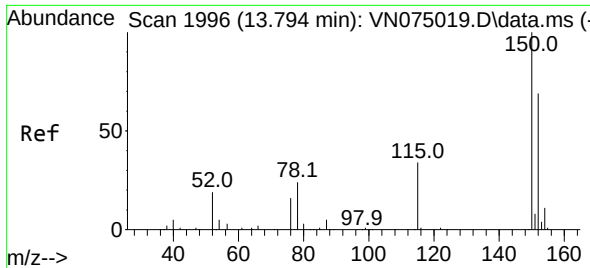
Tgt Ion:117 Resp: 182567
Ion Ratio Lower Upper
117 100
82 55.6 43.1 64.7
119 31.0 25.5 38.3



#71
Bromoform
Concen: 0.613 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

Tgt Ion:173 Resp: 664
Ion Ratio Lower Upper
173 100
175 538.4 24.6 74.0#
254 0.0 0.0 0.0

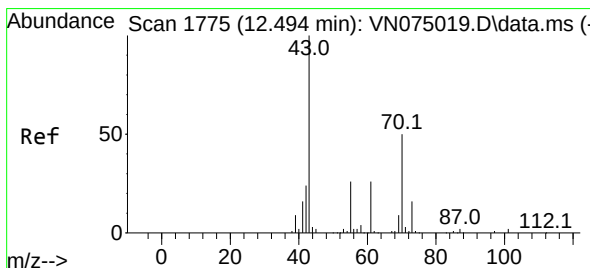
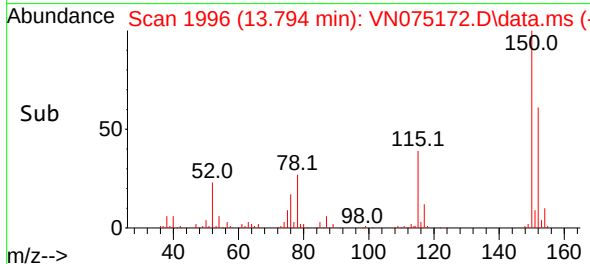
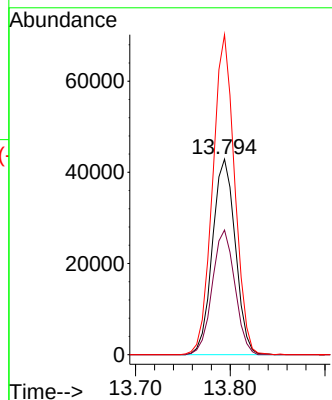
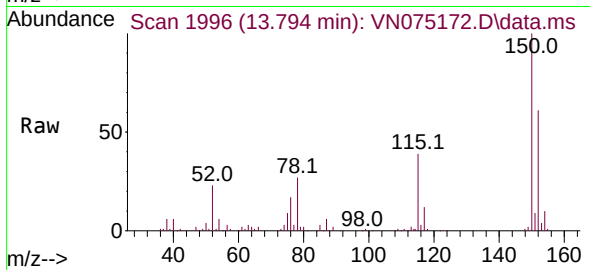




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

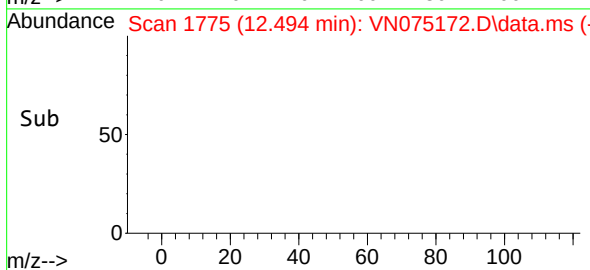
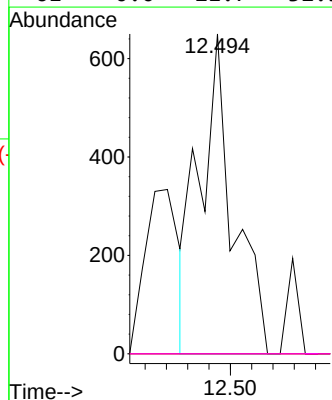
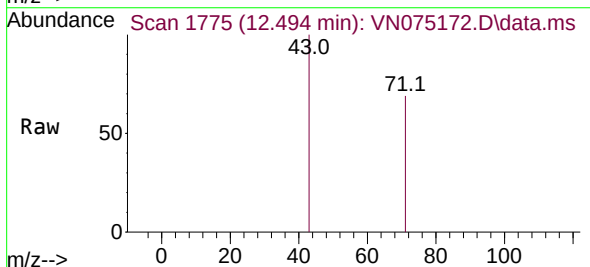
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#01

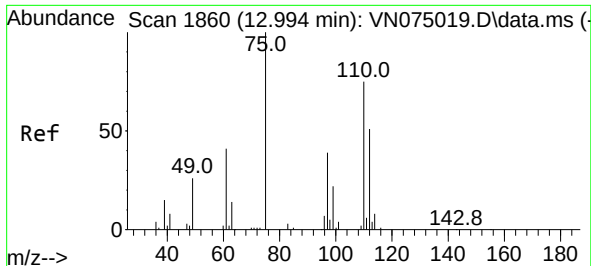
Tgt Ion:152 Resp: 72095
Ion Ratio Lower Upper
152 100
115 63.0 30.2 90.6
150 157.3 0.0 348.4



#74
N-ethyl acetate
Concen: 0.333 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

Tgt Ion: 43 Resp: 712
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#

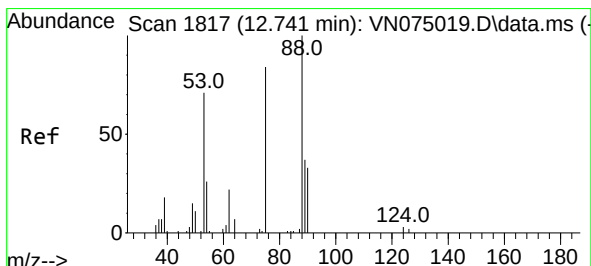
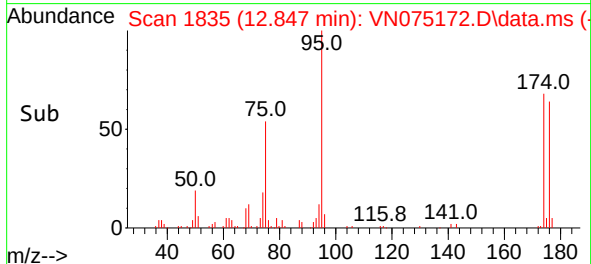
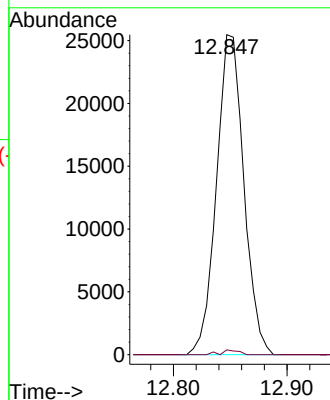
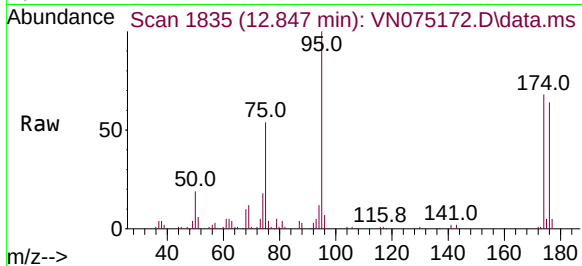




#76
1,2,3-Trichloropropane
Concen: 27.840 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#01

Tgt Ion: 75 Resp: 42617
Ion Ratio Lower Upper
75 100
77 1.0 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.466 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075172.D
Acq: 04 Nov 2022 14:09

Tgt Ion: 75 Resp: 42617
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

