

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110922\
 Data File : VN075222.D
 Acq On : 09 Nov 2022 17:05
 Operator : JC\MD
 Sample : PB148908ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148908ZHE#08

Quant Time: Nov 10 02:44:50 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)

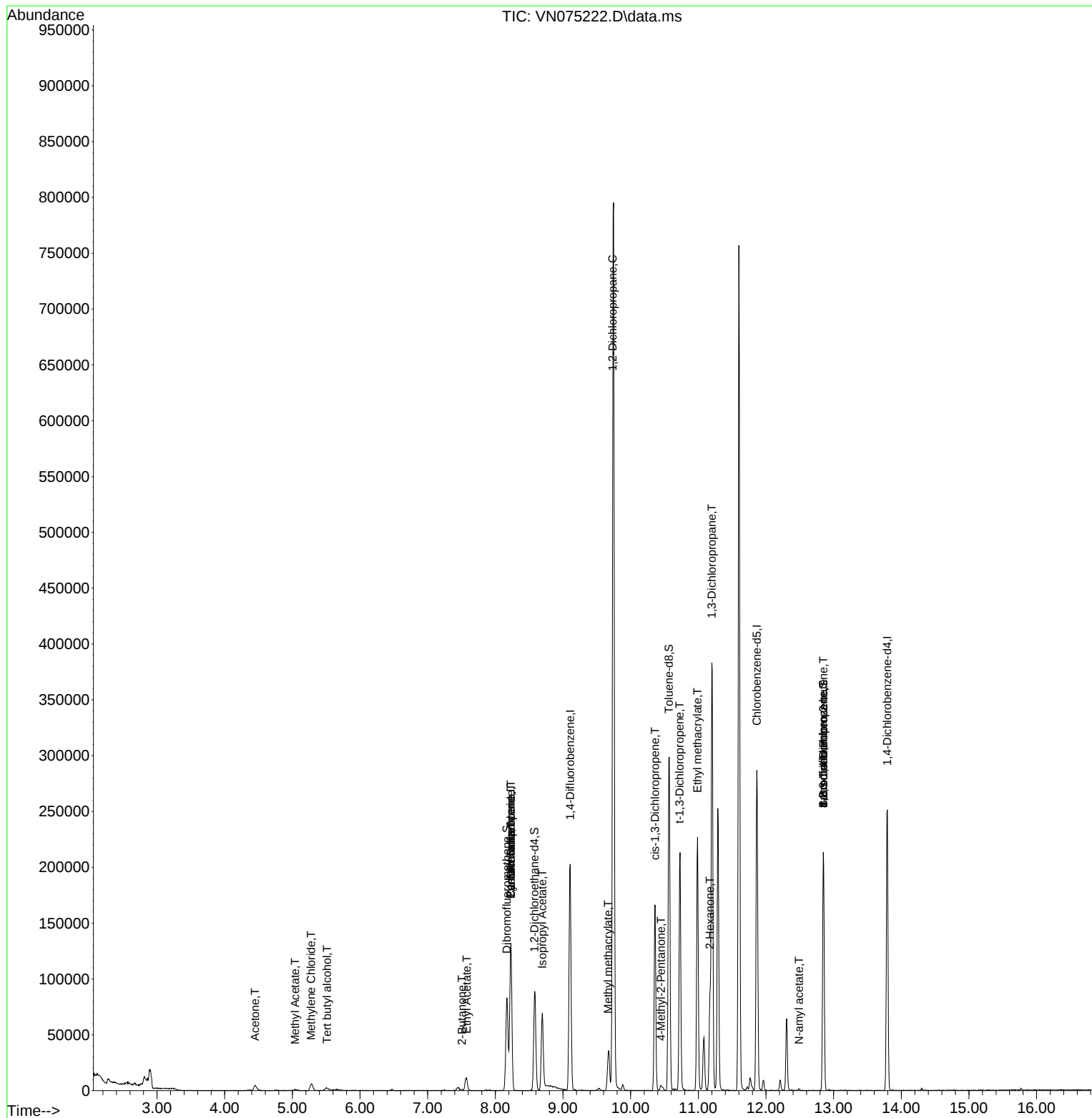
Internal Standards						
1) Pentafluorobenzene	8.229	168	93251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	184047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	170486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	69152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	72881	58.006	ug/l	-0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.020%	
35) Dibromofluoromethane	8.171	113	59904	55.444	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.880%	
50) Toluene-d8	10.565	98	216475	51.642	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.280%	
62) 4-Bromofluorobenzene	12.847	95	74101	50.323	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.640%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.918	94	321	Below Cal	#	5
11) Tert butyl alcohol	5.512	59	2341	7.990	ug/l #	72
16) Acetone	4.447	43	8465	15.911	ug/l #	84
18) Methyl Acetate	5.041	43	2400	1.381	ug/l #	59
20) Methylene Chloride	5.277	84	5290	4.460	ug/l	89
25) 2-Butanone	7.506	43	1708	2.041	ug/l	93
31) Cyclohexane	8.229	56	2076	1.111	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	8088	4.835	ug/l #	49
37) Ethyl Acetate	7.577	43	17506	9.543	ug/l	98
38) Carbon Tetrachloride	8.229	117	10393	5.648	ug/l #	15
43) Isopropyl Acetate	8.694	43	76539	26.899	ug/l #	91
45) 1,2-Dichloropropane	9.735	63	1064	0.873	ug/l #	42
48) Methyl methacrylate	9.665	41	2378	1.822	ug/l #	6
51) 4-Methyl-2-Pentanone	10.447	43	2837	1.545	ug/l	96
53) t-1,3-Dichloropropene	10.723	75	507	0.261	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	31645	15.371	ug/l #	64
56) Ethyl methacrylate	10.988	69	603	0.291	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4452	1.969	ug/l #	42
59) 2-Hexanone	11.170	43	63660	45.680	ug/l #	21
71) Bromoform	12.847	173	468	0.463	ug/l #	1
74) N-amyl acetate	12.488	43	714	0.348	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	38156	25.987	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	38156	66.708	ug/l #	10

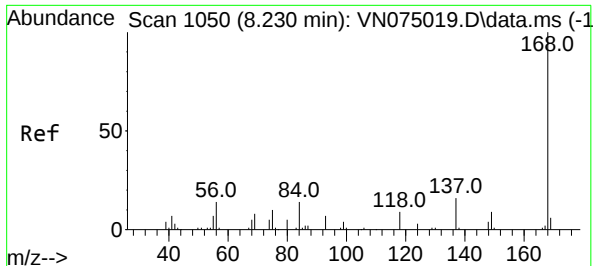
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110922\
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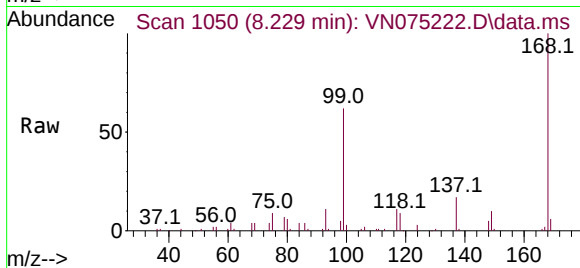
Quant Time: Nov 10 02:44:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
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QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration



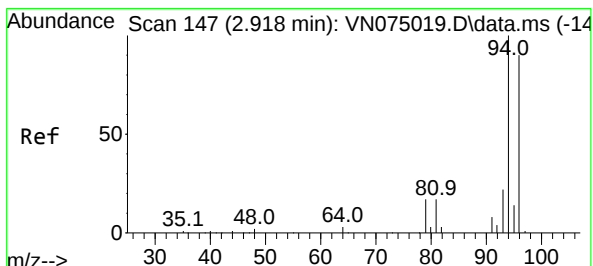
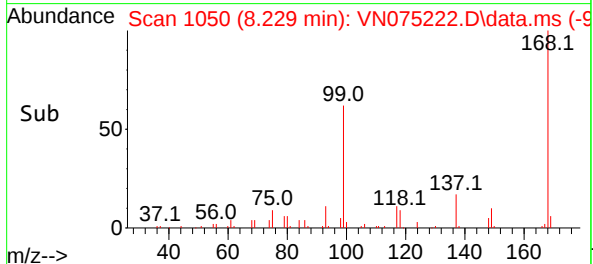
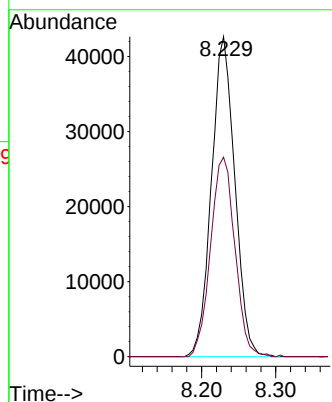


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN075222.D
Acq: 09 Nov 2022 17:05

Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#08

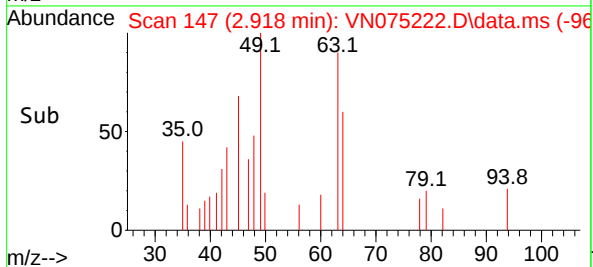
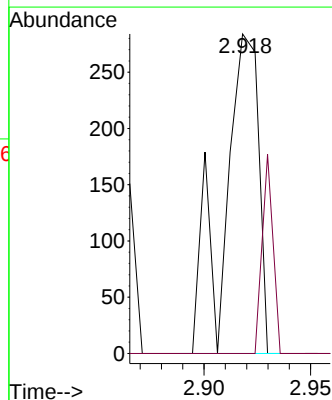
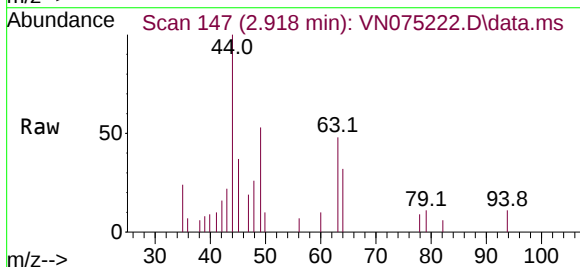


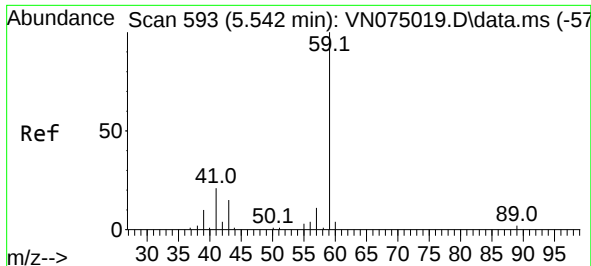
Tgt Ion:168 Resp: 93251
Ion Ratio Lower Upper
168 100
99 62.4 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075222.D
Acq: 09 Nov 2022 17:05

Tgt Ion: 94 Resp: 321
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

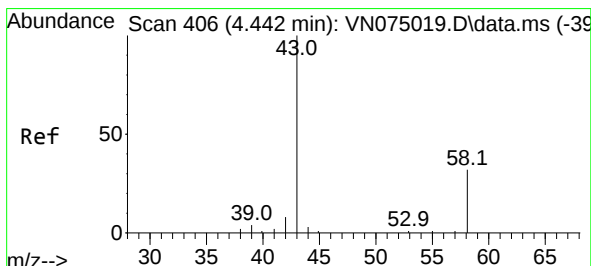
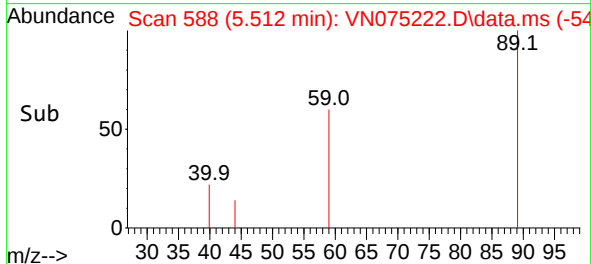
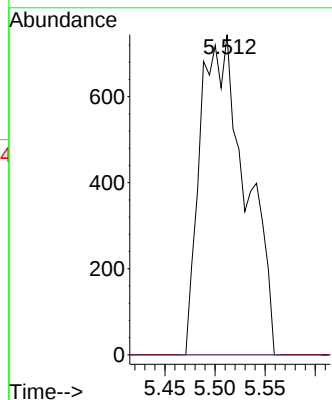
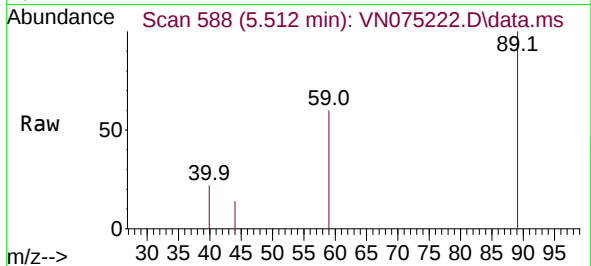




#11
Tert butyl alcohol
Concen: 7.990 ug/l
RT: 5.512 min Scan# 593
Delta R.T. -0.030 min
Lab File: VN075222.D
Acq: 09 Nov 2022 17:05

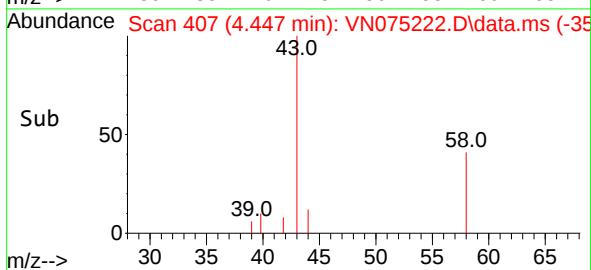
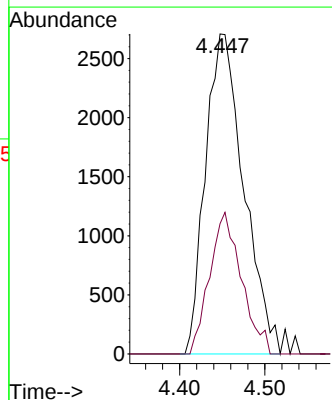
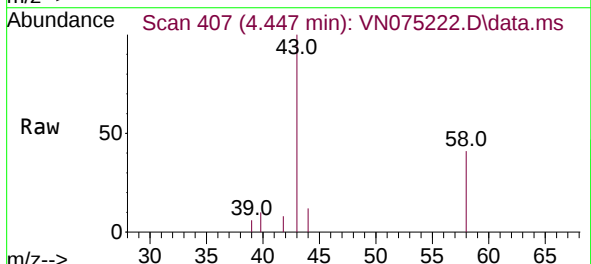
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#08

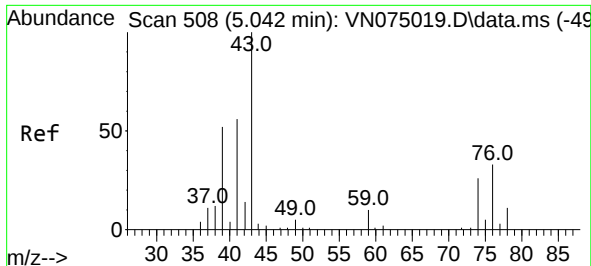
Tgt Ion: 59 Resp: 2341
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 15.911 ug/l
RT: 4.447 min Scan# 407
Delta R.T. 0.005 min
Lab File: VN075222.D
Acq: 09 Nov 2022 17:05

Tgt Ion: 43 Resp: 8465
Ion Ratio Lower Upper
43 100
58 40.7 25.5 38.3#

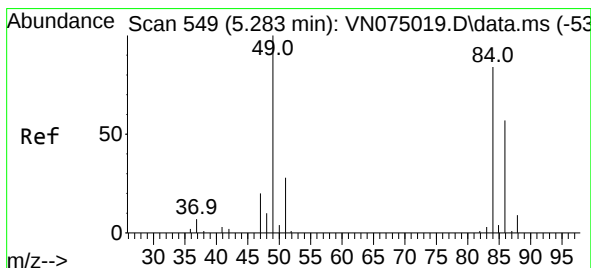
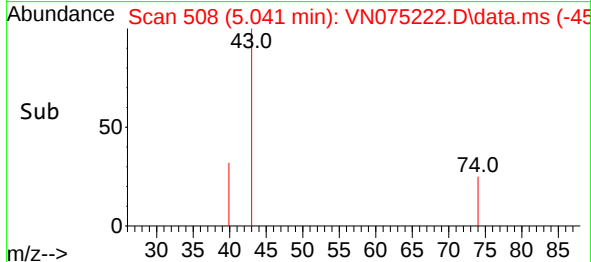
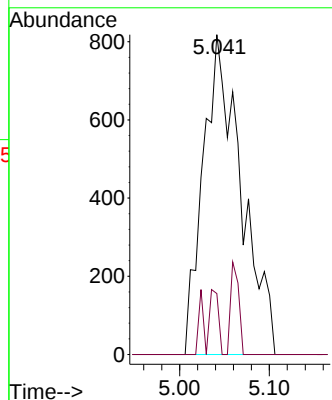
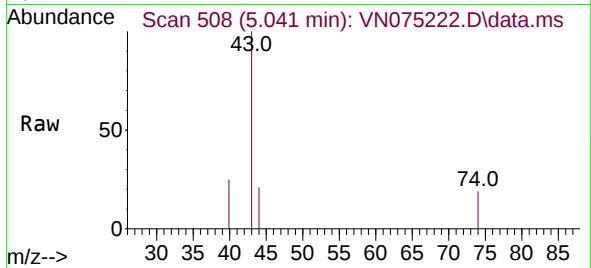




#18
Methyl Acetate
Concen: 1.381 ug/l
RT: 5.041 min Scan# 508
Delta R.T. -0.001 min
Lab File: VN075222.D
Acq: 09 Nov 2022 17:05

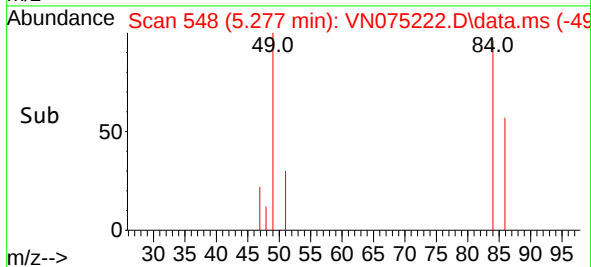
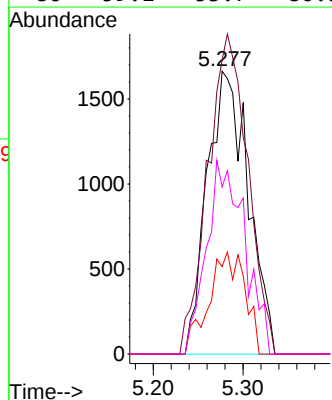
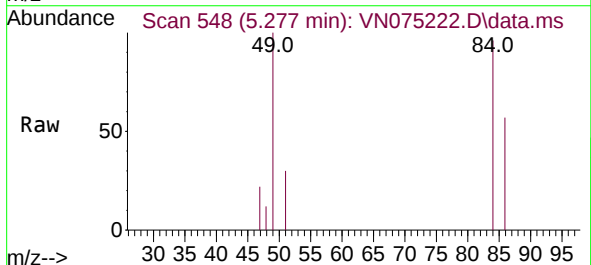
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#08

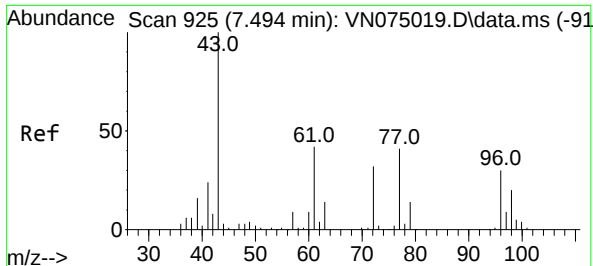
Tgt Ion: 43 Resp: 2400
Ion Ratio Lower Upper
43 100
74 6.2 22.0 33.0#



#20
Methylene Chloride
Concen: 4.460 ug/l
RT: 5.277 min Scan# 548
Delta R.T. -0.006 min
Lab File: VN075222.D
Acq: 09 Nov 2022 17:05

Tgt Ion: 84 Resp: 5290
Ion Ratio Lower Upper
84 100
49 104.0 94.9 142.3
51 30.9 26.8 40.2
86 59.1 53.7 80.5





#25

2-Butanone

Concen: 2.041 ug/l

RT: 7.506 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN075222.D

Acq: 09 Nov 2022 17:05

Instrument :

MSVOA_N

ClientSampleId :

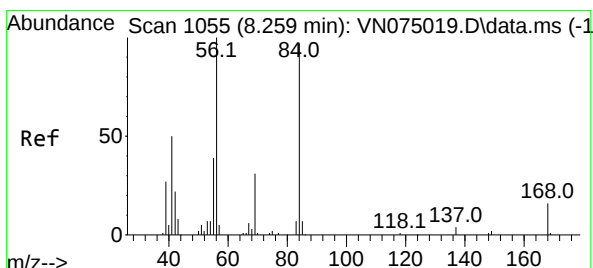
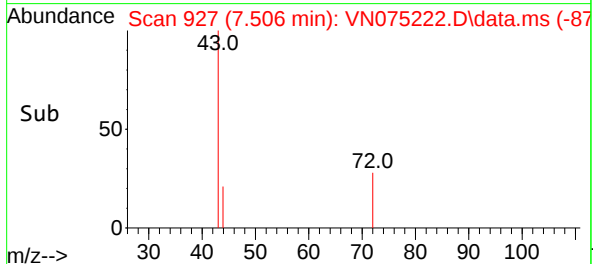
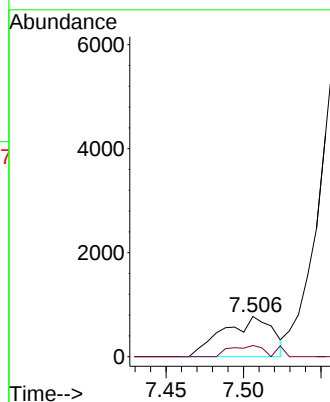
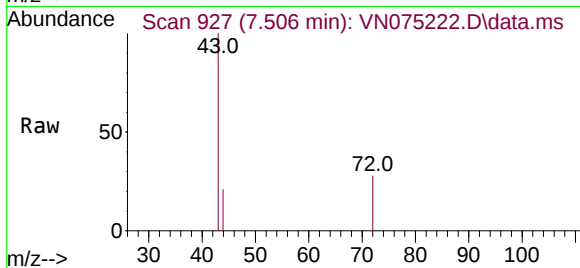
PB148908ZHE#08

Tgt Ion: 43 Resp: 1708

Ion Ratio Lower Upper

43 100

72 27.8 25.5 38.3



#31

Cyclohexane

Concen: 1.111 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.030 min

Lab File: VN075222.D

Acq: 09 Nov 2022 17:05

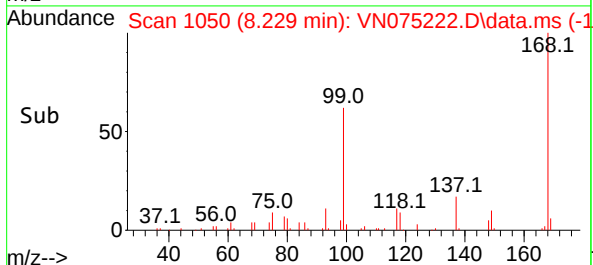
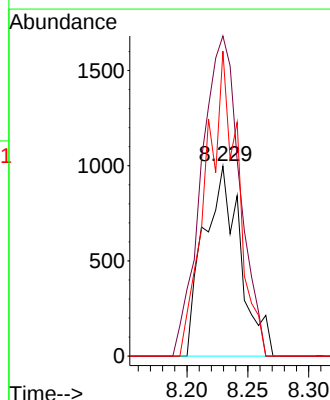
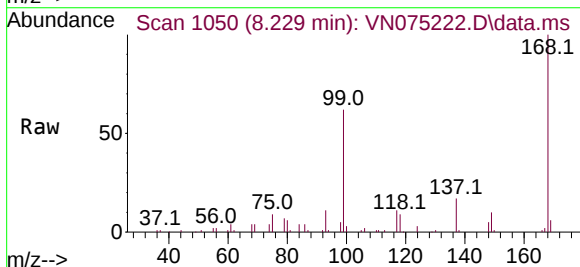
Tgt Ion: 56 Resp: 2076

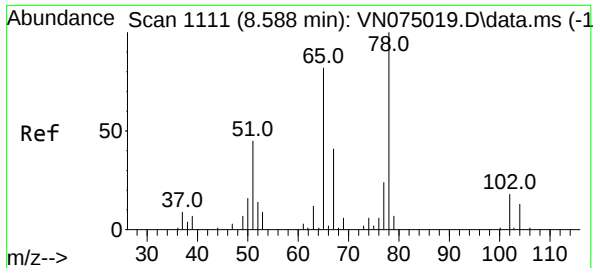
Ion Ratio Lower Upper

56 100

69 168.5 25.2 37.8#

84 160.5 77.8 116.8#

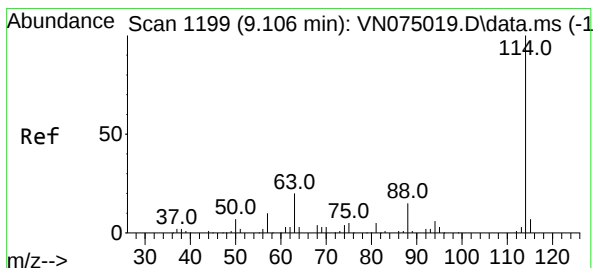
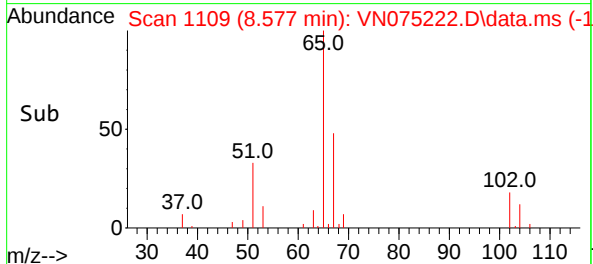
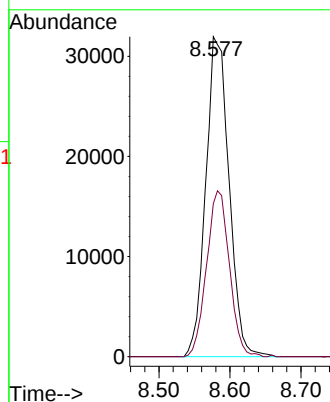
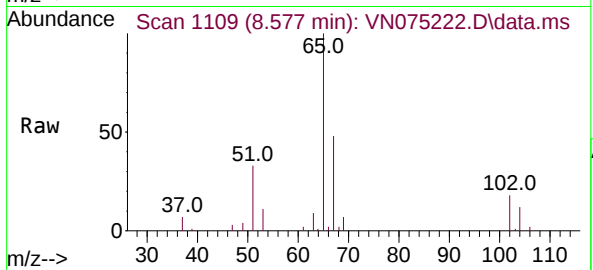




#33
 1,2-Dichloroethane-d4
 Concen: 58.006 ug/l
 RT: 8.577 min Scan# 1111
 Delta R.T. -0.011 min
 Lab File: VN075222.D
 Acq: 09 Nov 2022 17:05

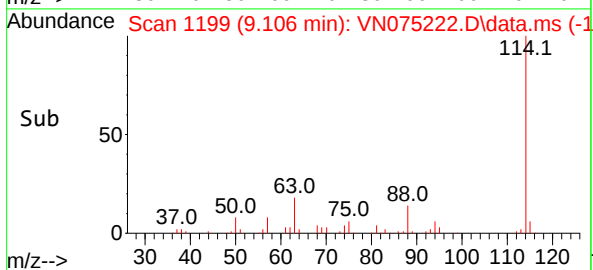
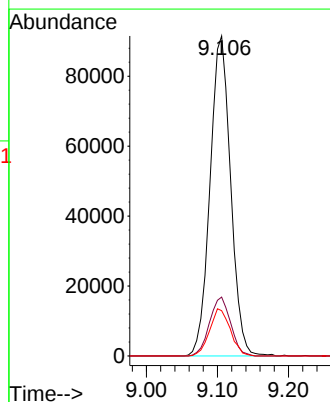
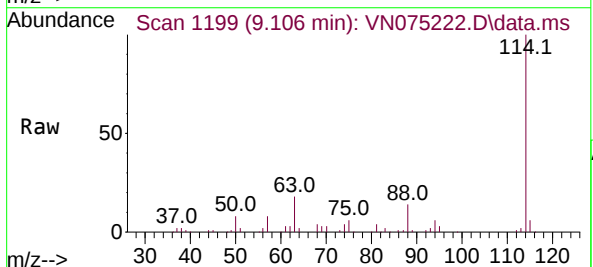
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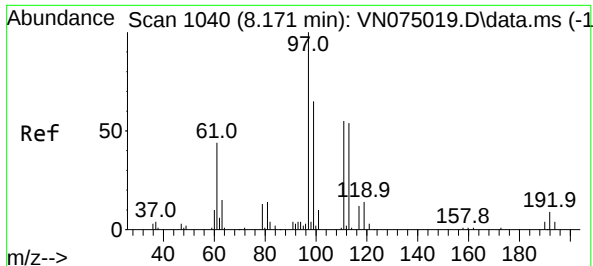
Tgt Ion: 65 Resp: 72881
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. -0.000 min
 Lab File: VN075222.D
 Acq: 09 Nov 2022 17:05

Tgt Ion: 114 Resp: 184047
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.6
 88 14.2 0.0 29.0

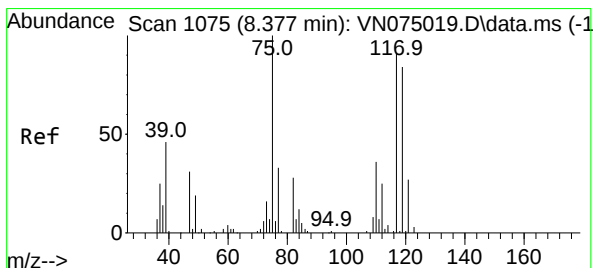
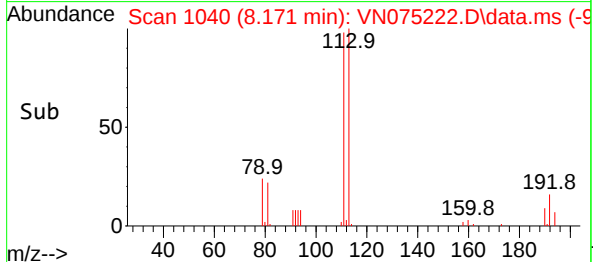
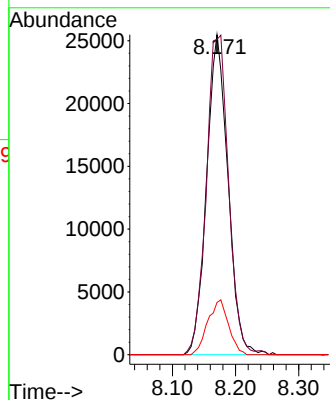
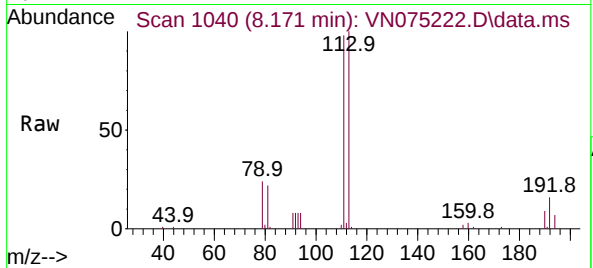




#35
Dibromofluoromethane
Concen: 55.444 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075222.D
Acq: 09 Nov 2022 17:05

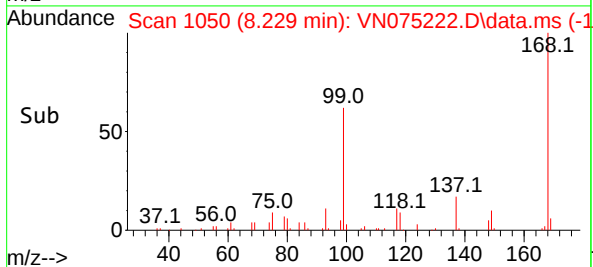
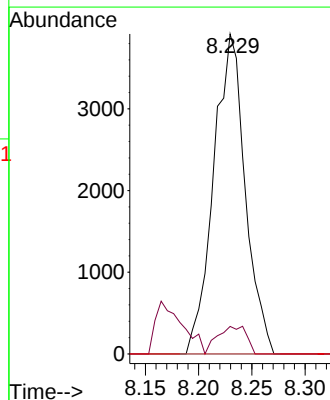
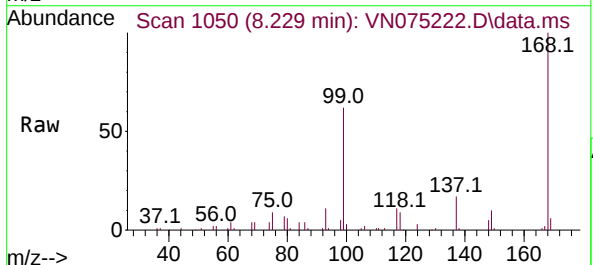
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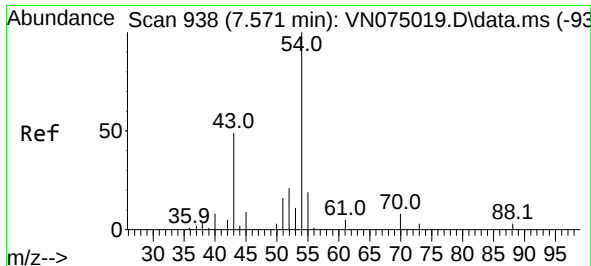
Tgt Ion:113 Resp: 59904
Ion Ratio Lower Upper
113 100
111 104.4 80.5 120.7
192 16.6 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.835 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.148 min
Lab File: VN075222.D
Acq: 09 Nov 2022 17:05

Tgt Ion: 75 Resp: 8088
Ion Ratio Lower Upper
75 100
110 7.9 17.8 53.3#
77 0.0 24.6 37.0#

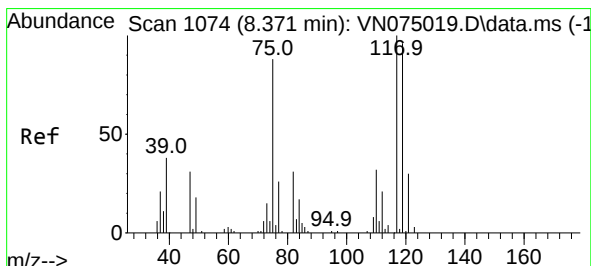
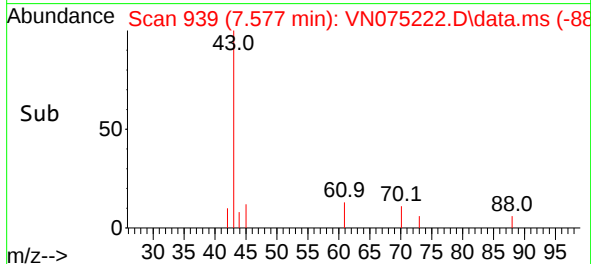
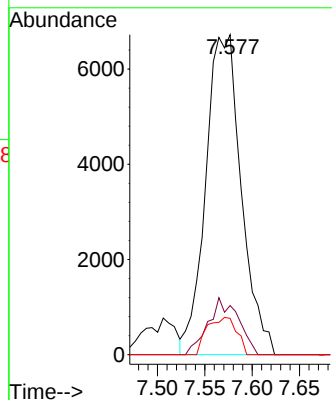
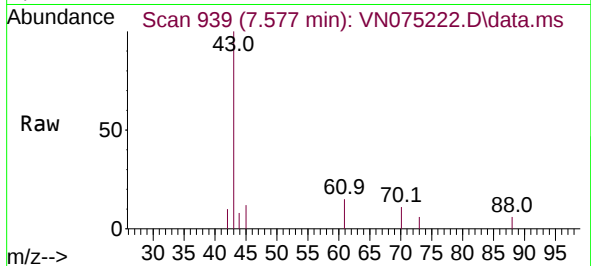




#37
Ethyl Acetate
Concen: 9.543 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075222.D
Acq: 09 Nov 2022 17:05

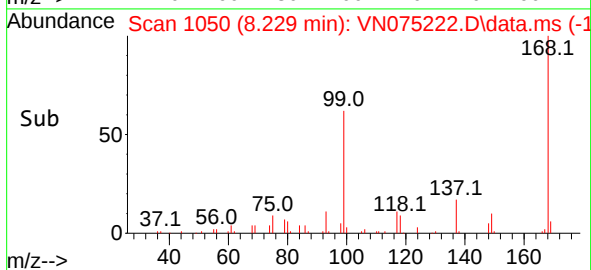
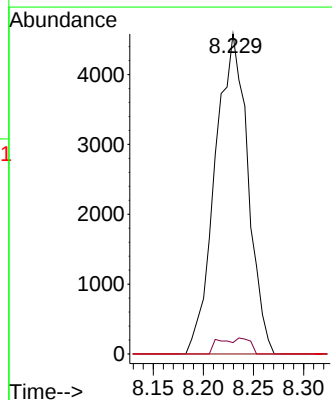
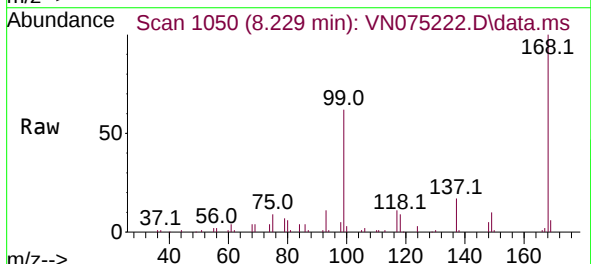
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PB148908ZHE#08

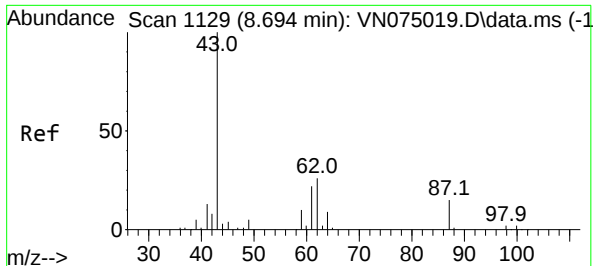
Tgt Ion: 43 Resp: 17506
Ion Ratio Lower Upper
43 100
61 15.2 12.2 18.4
70 9.7 9.4 14.2



#38
Carbon Tetrachloride
Concen: 5.648 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.142 min
Lab File: VN075222.D
Acq: 09 Nov 2022 17:05

Tgt Ion: 117 Resp: 10393
Ion Ratio Lower Upper
117 100
119 3.6 76.7 115.1#
121 0.0 23.9 35.9#

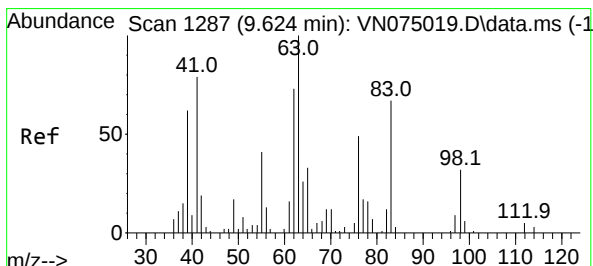
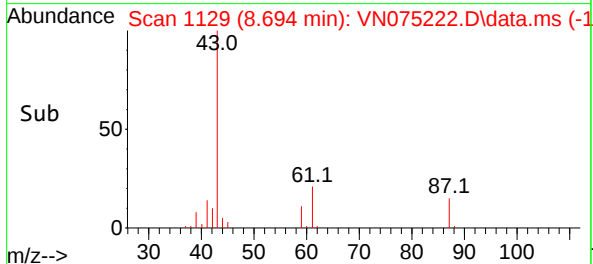
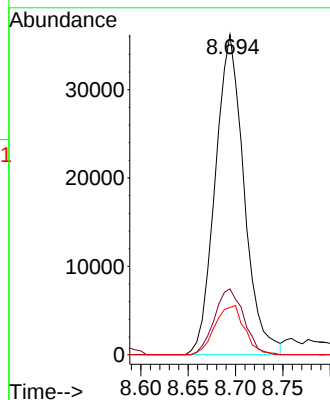
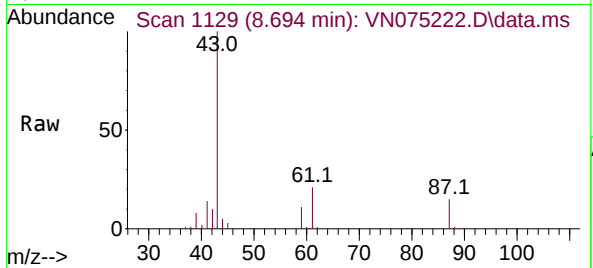




#43
Isopropyl Acetate
Concen: 26.899 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075222.D
Acq: 09 Nov 2022 17:05

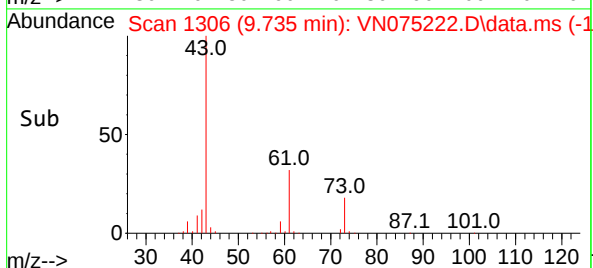
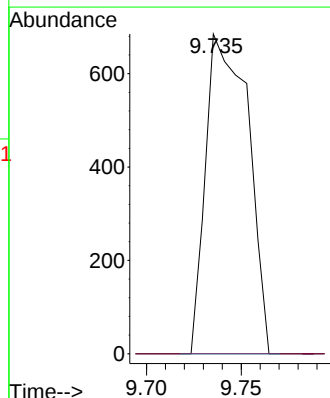
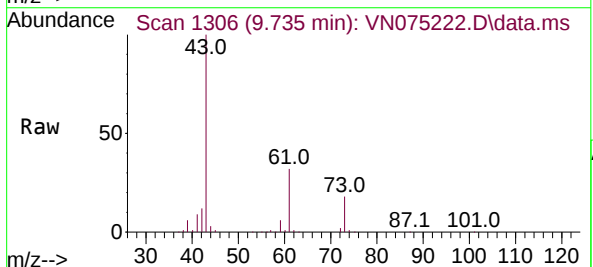
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#08

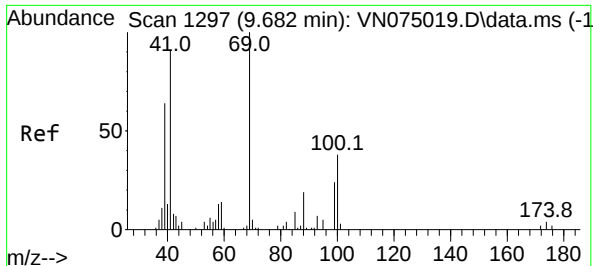
Tgt Ion: 43 Resp: 76539
Ion Ratio Lower Upper
43 100
61 21.0 22.4 33.6#
87 15.7 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.873 ug/l
RT: 9.735 min Scan# 1306
Delta R.T. 0.111 min
Lab File: VN075222.D
Acq: 09 Nov 2022 17:05

Tgt Ion: 63 Resp: 1064
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 1.822 ug/l

RT: 9.665 min Scan# 1294

Delta R.T. -0.017 min

Lab File: VN075222.D

Acq: 09 Nov 2022 17:05

Instrument :

MSVOA_N

ClientSampleId :

PB148908ZHE#08

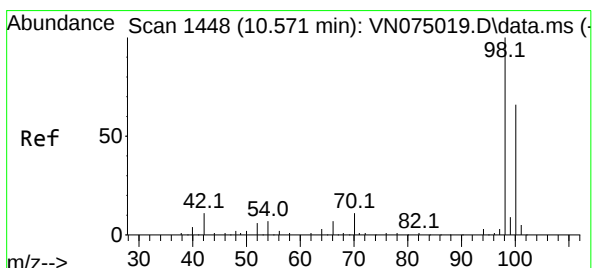
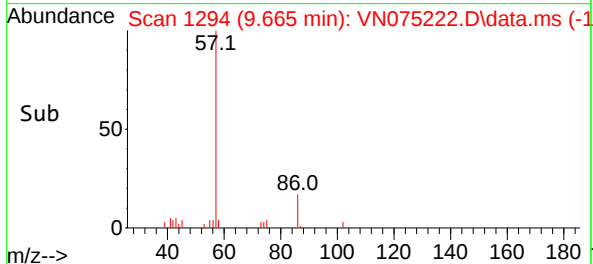
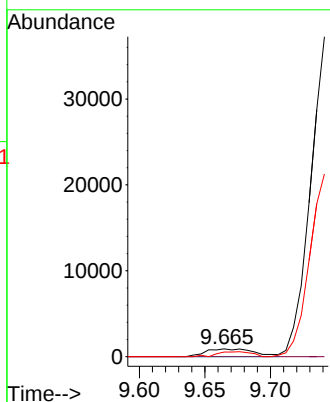
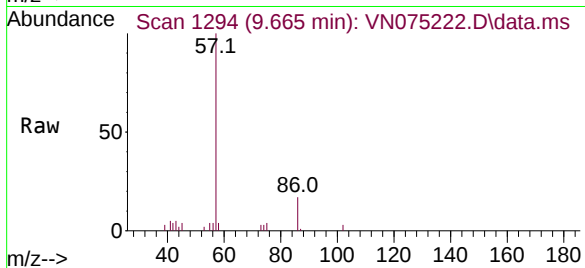
Tgt Ion: 41 Resp: 2378

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 0.0 56.2 84.2#



#50

Toluene-d8

Concen: 51.642 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VN075222.D

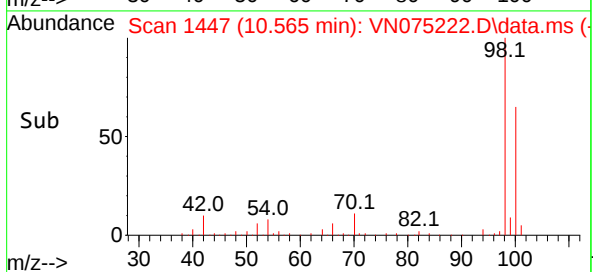
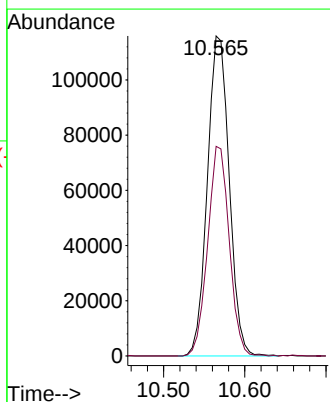
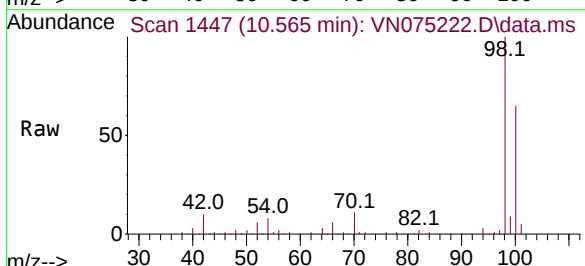
Acq: 09 Nov 2022 17:05

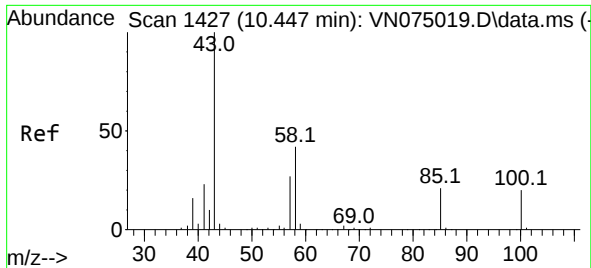
Tgt Ion: 98 Resp: 216475

Ion Ratio Lower Upper

98 100

100 64.7 53.0 79.6

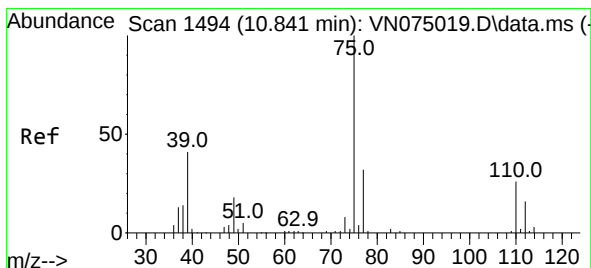
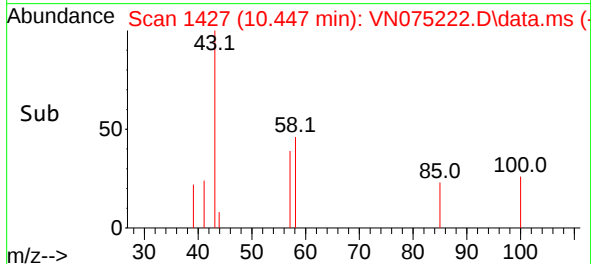
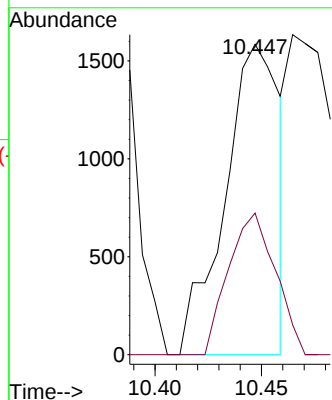
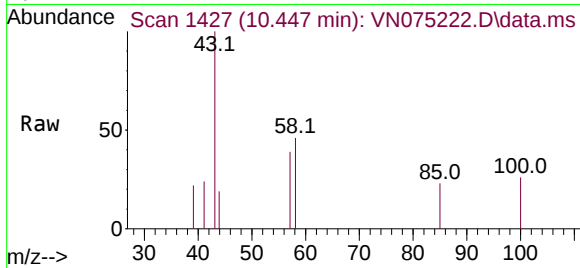




#51
4-Methyl-2-Pentanone
Concen: 1.545 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN075222.D
Acq: 09 Nov 2022 17:05

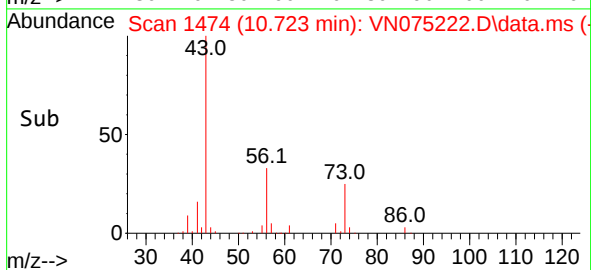
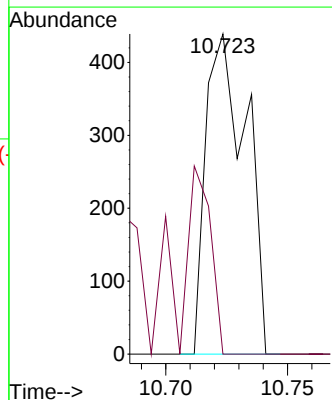
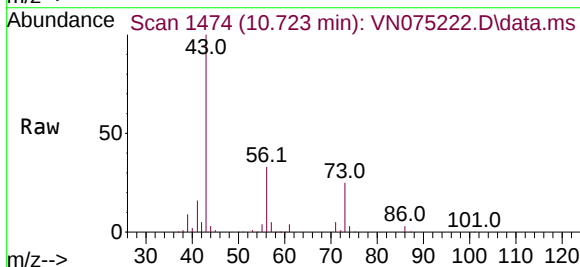
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#08

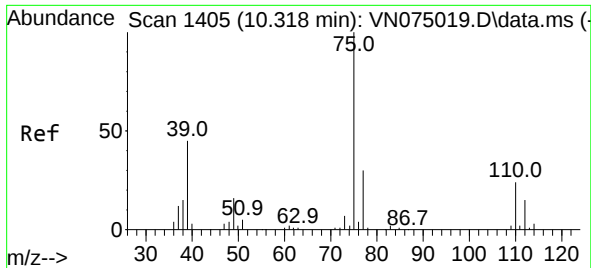
Tgt Ion: 43 Resp: 2837
Ion Ratio Lower Upper
43 100
58 39.2 33.6 50.4



#53
t-1,3-Dichloropropene
Concen: 0.261 ug/l
RT: 10.723 min Scan# 1474
Delta R.T. -0.118 min
Lab File: VN075222.D
Acq: 09 Nov 2022 17:05

Tgt Ion: 75 Resp: 507
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

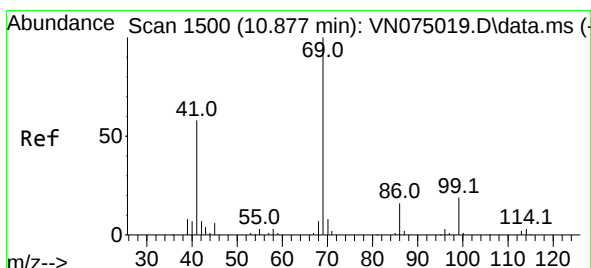
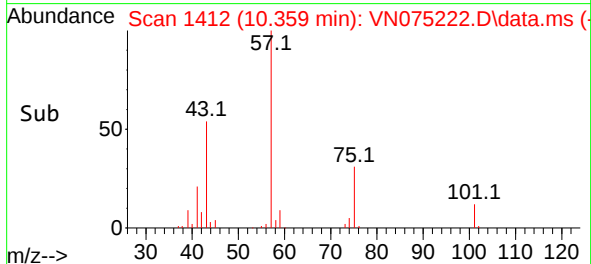
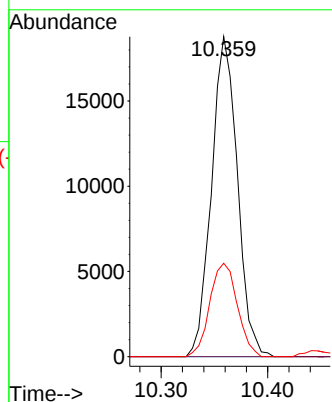
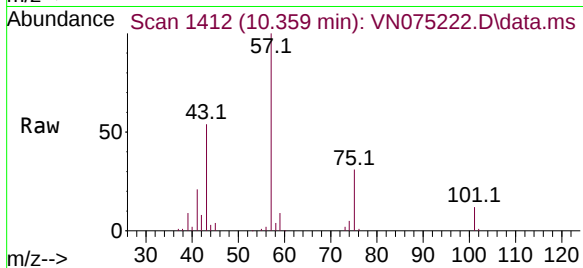




#54
 cis-1,3-Dichloropropene
 Concen: 15.371 ug/l
 RT: 10.359 min Scan# 1405
 Delta R.T. 0.041 min
 Lab File: VN075222.D
 Acq: 09 Nov 2022 17:05

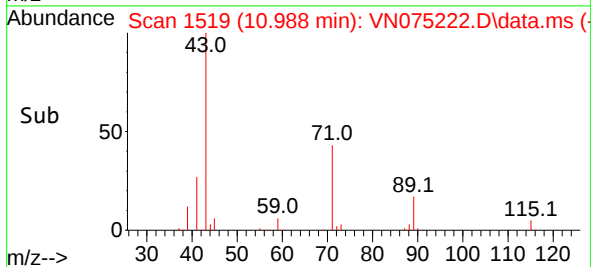
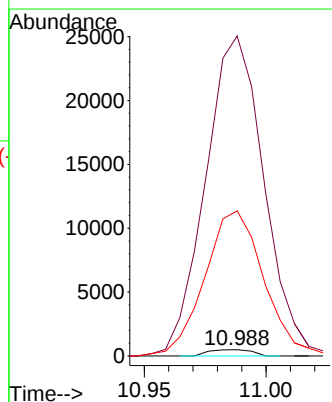
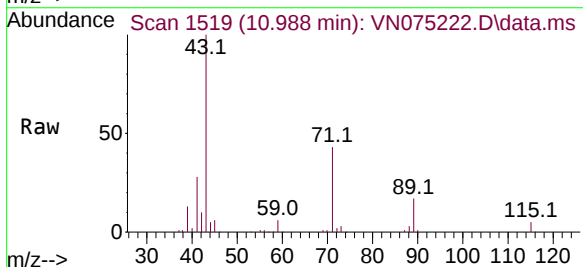
Instrument :
 MSVOA_N
 ClientSampleId :
 PB148908ZHE#08

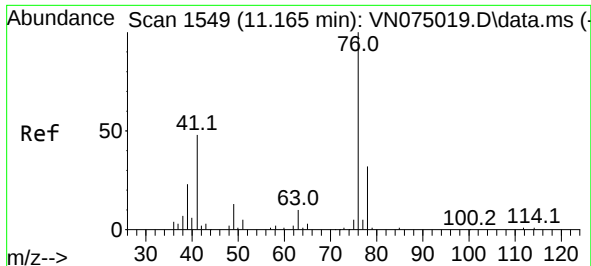
Tgt Ion: 75 Resp: 31645
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 29.2 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.291 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.111 min
 Lab File: VN075222.D
 Acq: 09 Nov 2022 17:05

Tgt Ion: 69 Resp: 603
 Ion Ratio Lower Upper
 69 100
 41 7017.1 45.6 68.4#
 39 3182.9 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.969 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN075222.D

Acq: 09 Nov 2022 17:05

Instrument :

MSVOA_N

ClientSampleId :

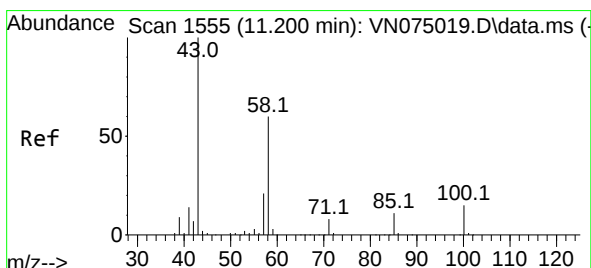
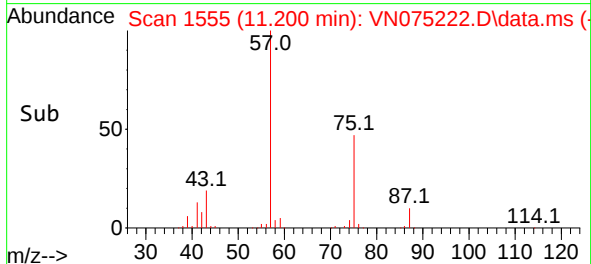
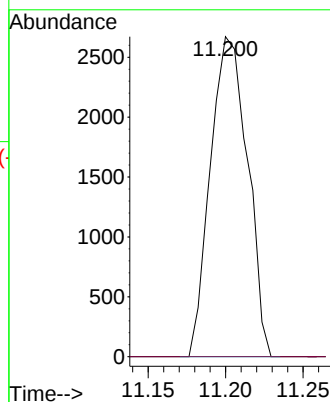
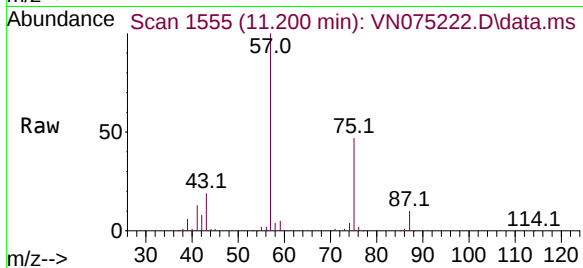
PB148908ZHE#08

Tgt Ion: 76 Resp: 4452

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 45.680 ug/l

RT: 11.170 min Scan# 1550

Delta R.T. -0.030 min

Lab File: VN075222.D

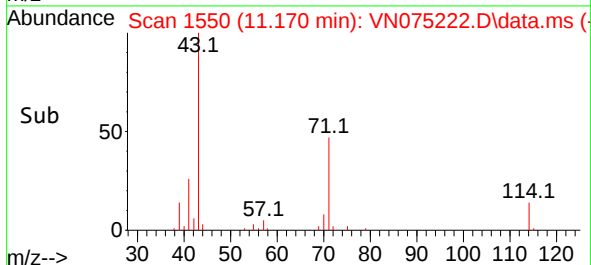
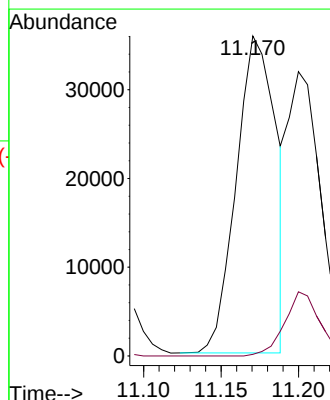
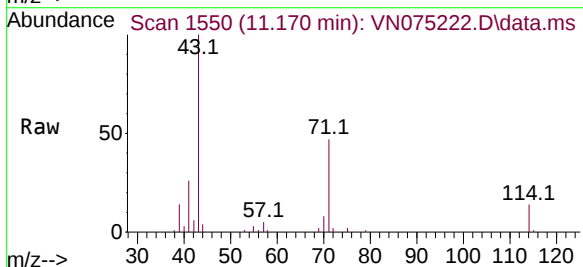
Acq: 09 Nov 2022 17:05

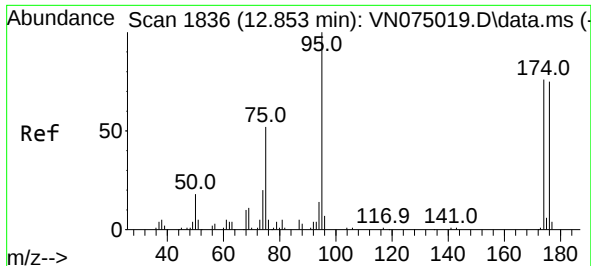
Tgt Ion: 43 Resp: 63660

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#





#62

4-Bromofluorobenzene

Concen: 50.323 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.006 min

Lab File: VN075222.D

Acq: 09 Nov 2022 17:05

Instrument :

MSVOA_N

ClientSampleId :

PB148908ZHE#08

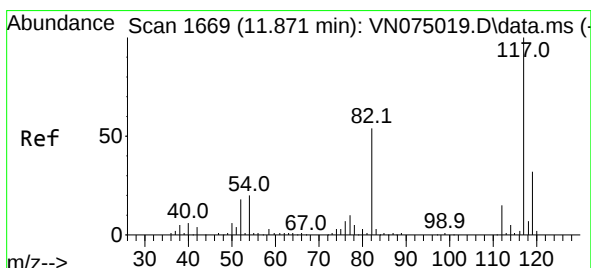
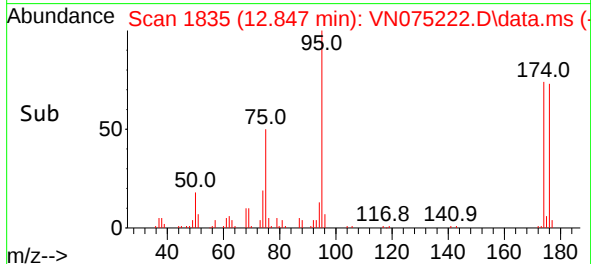
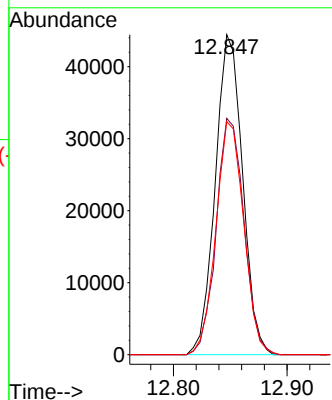
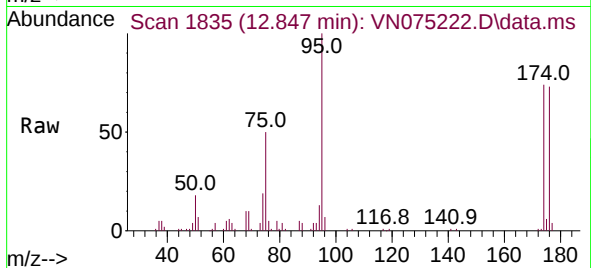
Tgt Ion: 95 Resp: 74101

Ion Ratio Lower Upper

95 100

174 75.3 0.0 147.4

176 74.4 0.0 142.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1668

Delta R.T. -0.006 min

Lab File: VN075222.D

Acq: 09 Nov 2022 17:05

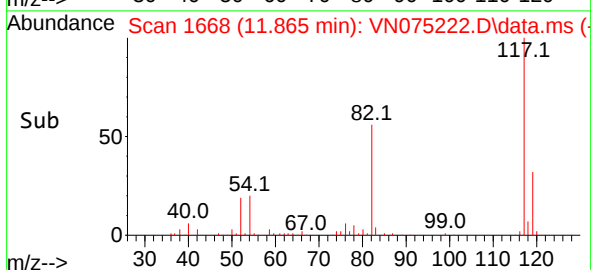
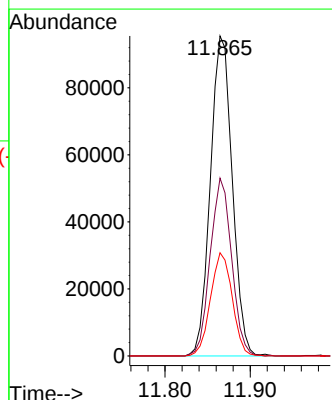
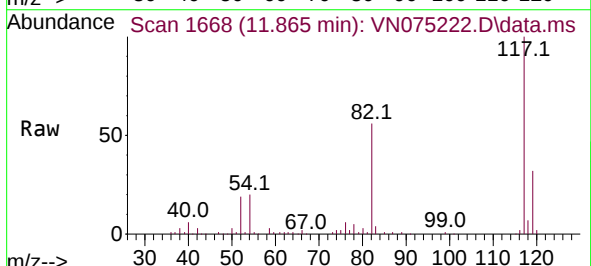
Tgt Ion: 117 Resp: 170486

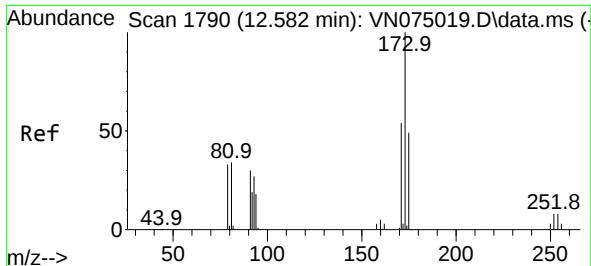
Ion Ratio Lower Upper

117 100

82 55.6 43.1 64.7

119 32.2 25.5 38.3

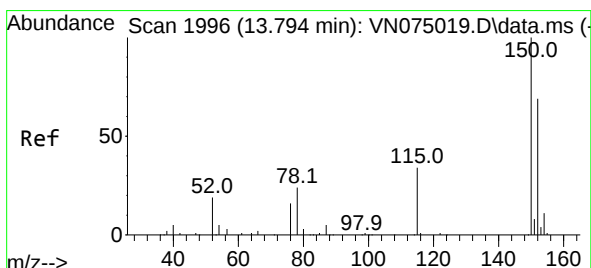
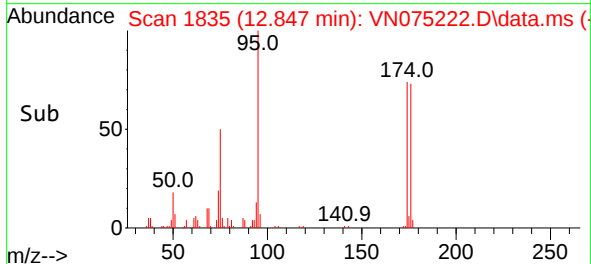
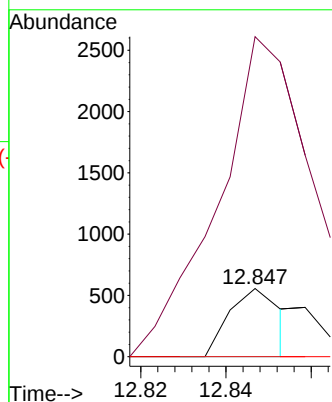
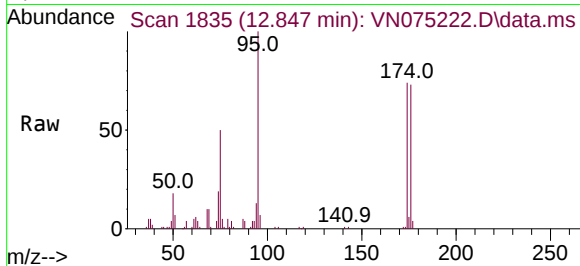




#71
Bromoform
Concen: 0.463 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075222.D
Acq: 09 Nov 2022 17:05

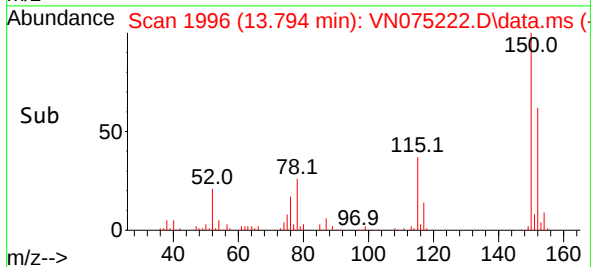
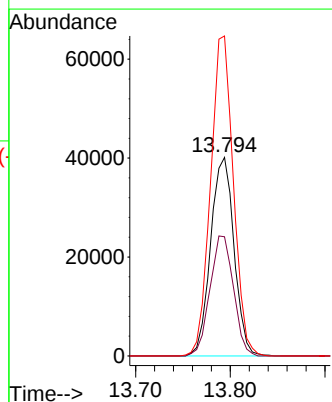
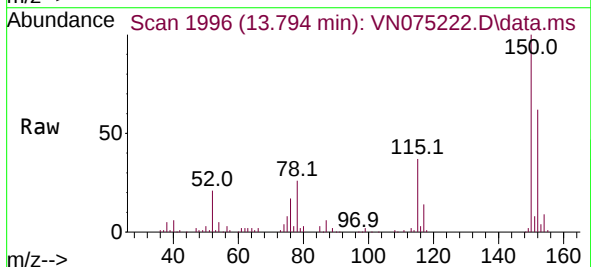
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#08

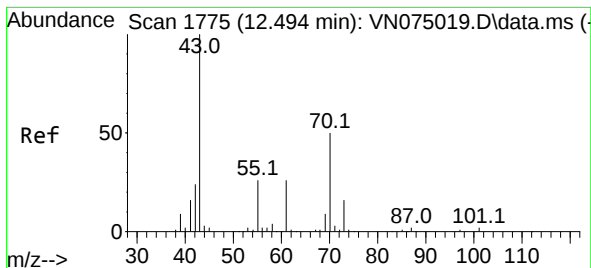
Tgt Ion:173 Resp: 468
Ion Ratio Lower Upper
173 100
175 753.8 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075222.D
Acq: 09 Nov 2022 17:05

Tgt Ion:152 Resp: 69152
Ion Ratio Lower Upper
152 100
115 60.6 30.2 90.6
150 156.6 0.0 348.4

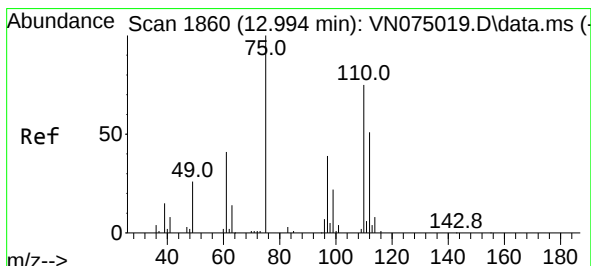
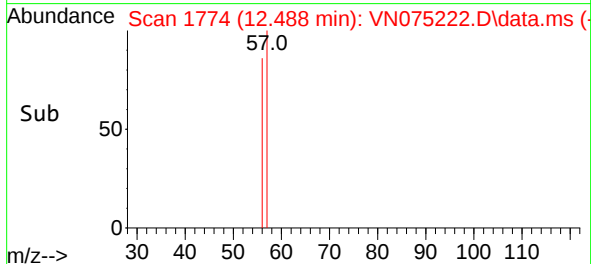
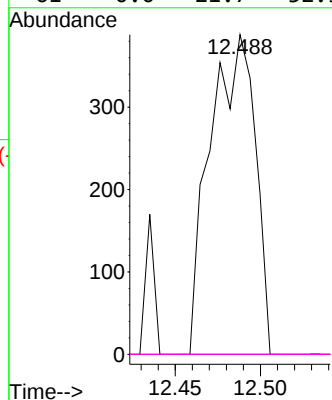
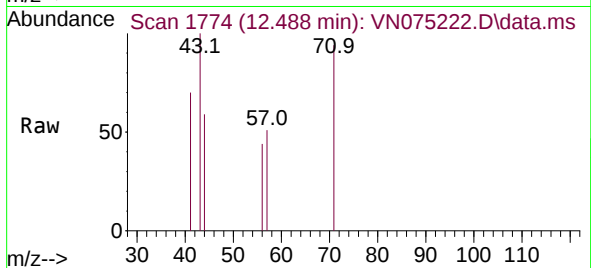




#74
N-amy1 acetate
Concen: 0.348 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075222.D
Acq: 09 Nov 2022 17:05

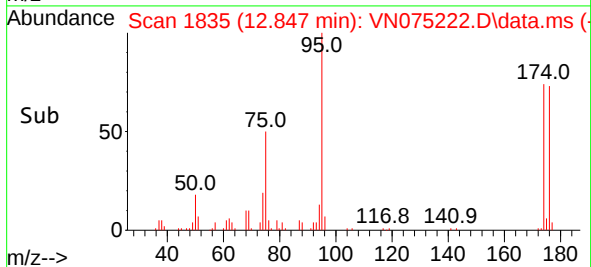
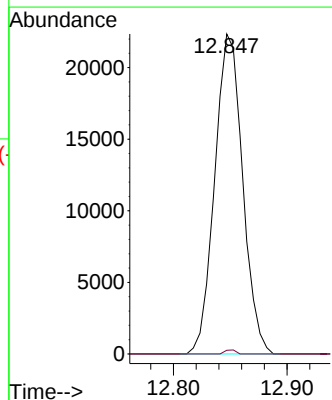
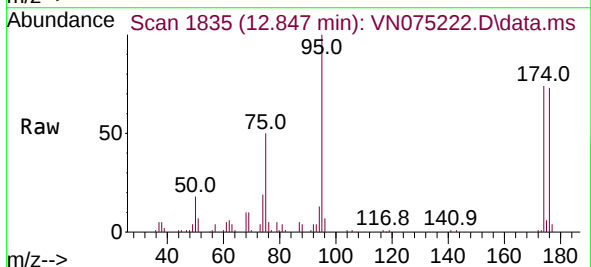
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#08

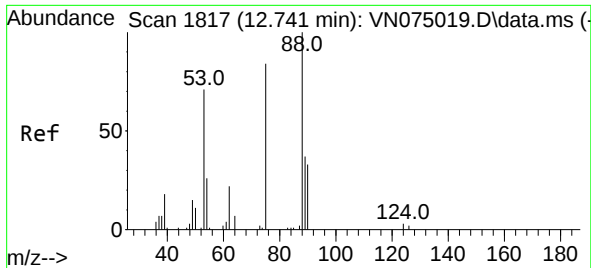
Tgt Ion: 43	Resp: 714
Ion Ratio	Lower Upper
43 100	
70 0.0	39.8 59.8#
55 0.0	19.9 29.9#
61 0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 25.987 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075222.D
Acq: 09 Nov 2022 17:05

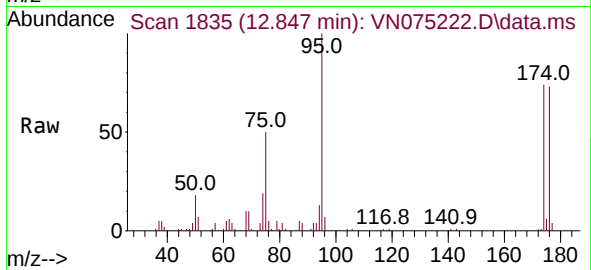
Tgt Ion: 75	Resp:	38156	
Ion Ratio	Lower	Upper	
75 100			
77 0.5	75.6	226.8#	





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.708 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN075222.D
 Acq: 09 Nov 2022 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148908ZHE#08



Tgt Ion: 75 Resp: 38156
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

