

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101122\
 Data File : VN074858.D
 Acq On : 11 Oct 2022 19:50
 Operator : JC\MD
 Sample : PB148255ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148255ZHE#07

Quant Time: Oct 12 03:58:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

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

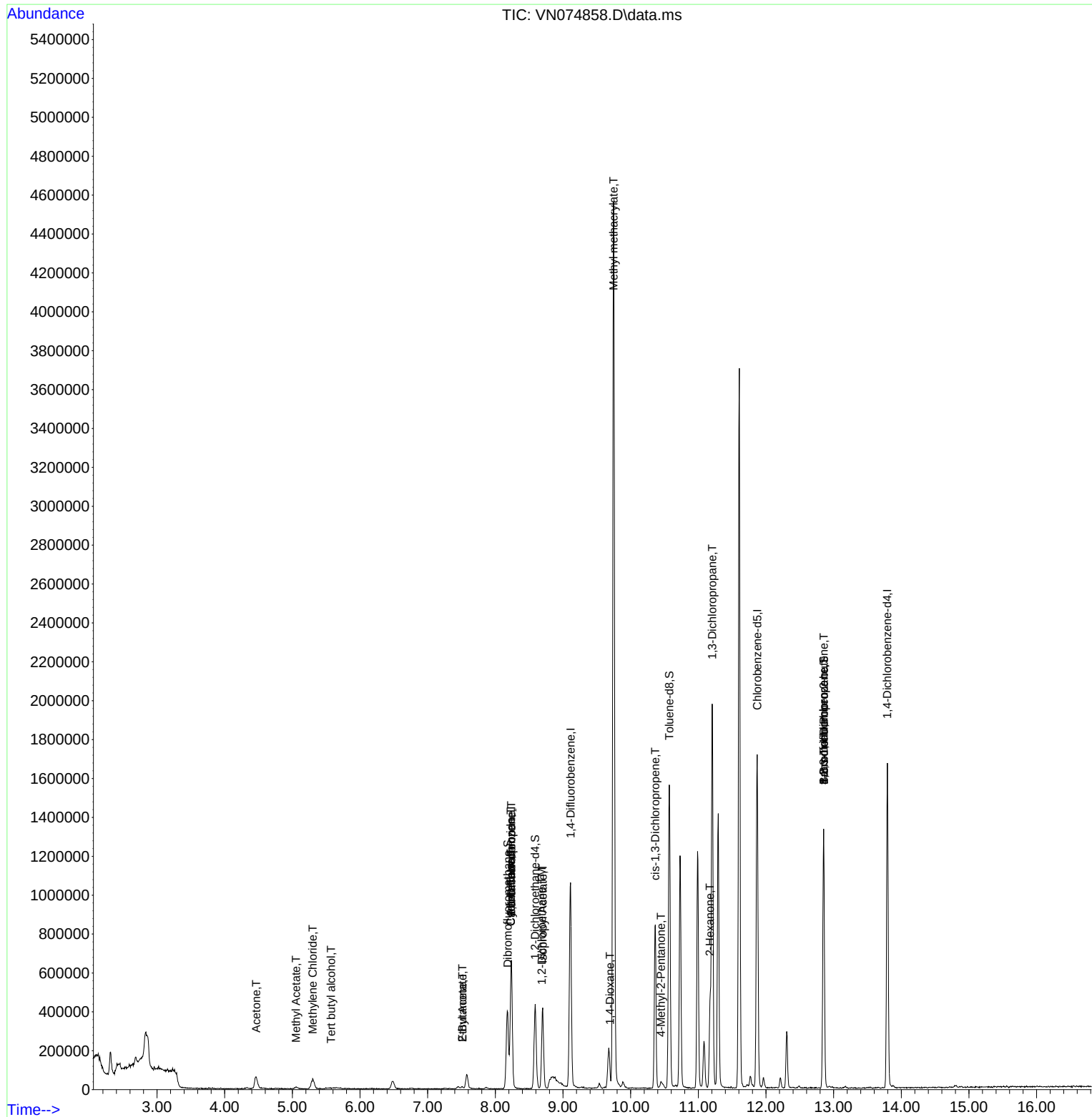
Internal Standards						
1) Pentafluorobenzene	8.235	168	459069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	894120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	949097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	406818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	319988	29.418	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	58.840%#
35) Dibromofluoromethane	8.182	113	284163	31.456	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	62.920%#
50) Toluene-d8	10.571	98	1055020	27.217	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	54.440%#
62) 4-Bromofluorobenzene	12.853	95	401735	34.093	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	68.180%#
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.571	59	2458	0.675	ug/l #	82
13) Acrolein	4.189	56	88	Below Cal	#	15
16) Acetone	4.465	43	121868	19.770	ug/l	93
18) Methyl Acetate	5.053	43	19116	0.838	ug/l #	76
20) Methylene Chloride	5.300	84	37561	1.685	ug/l	97
25) 2-Butanone	7.512	43	13465	1.204	ug/l #	86
31) Cyclohexane	8.229	56	13602	0.724	ug/l #	58
36) 1,1-Dichloropropene	8.235	75	47180	3.227	ug/l #	48
37) Ethyl Acetate	7.512	43	13465	0.230	ug/l #	86
38) Carbon Tetrachloride	8.229	117	50600	3.670	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	3400	0.229	ug/l	81
43) Isopropyl Acetate	8.700	43	470802	12.990	ug/l #	91
48) Methyl methacrylate	9.747	41	413756	27.806	ug/l #	87
49) 1,4-Dioxane	9.694	88	109	0.338	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	38350	1.643	ug/l #	74
54) cis-1,3-Dichloropropene	10.365	75	147982	7.487	ug/l #	66
57) 1,3-Dichloropropane	11.206	76	21059	1.022	ug/l #	45
59) 2-Hexanone	11.170	43	354968	20.107	ug/l #	24
71) Bromoform	12.853	173	4265	0.527	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.917	83	72	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	231917	19.100	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	231917	37.213	ug/l #	15
96) 1,2,3-Trichlorobenzene	15.829	180	83	Below Cal	#	1

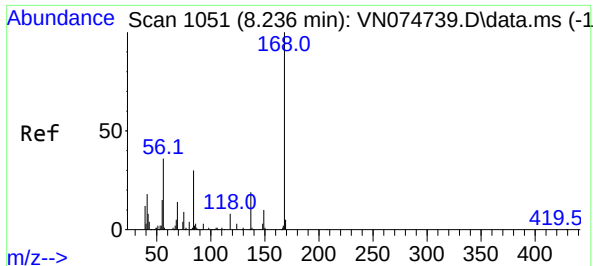
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Oct 12 03:58:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 06 05:37:50 2022
Response via : Initial Calibration

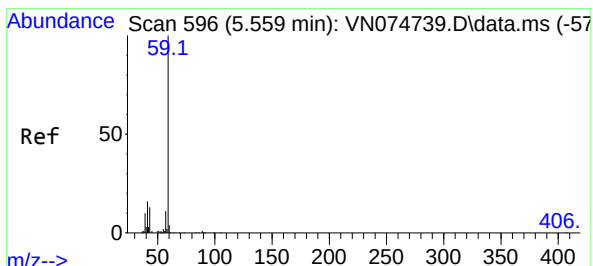
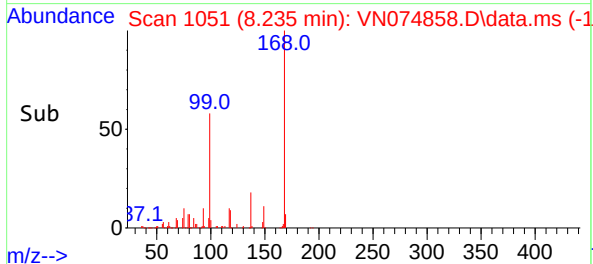
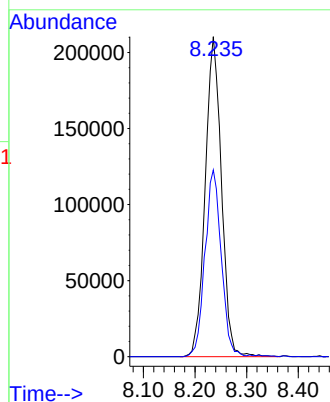
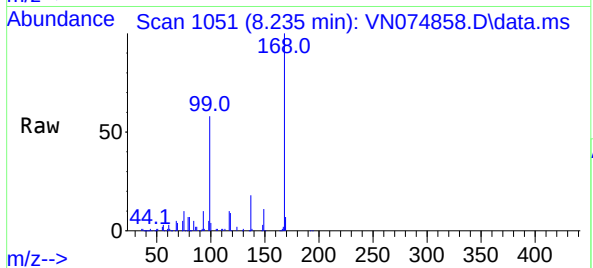




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.001 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

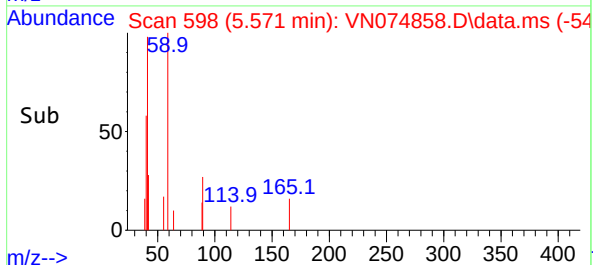
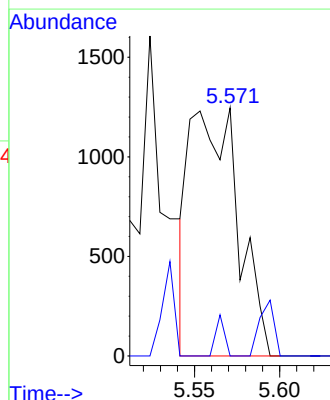
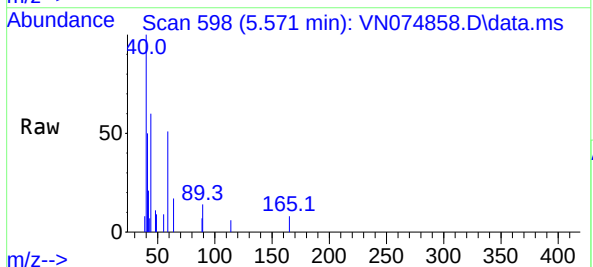
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#07

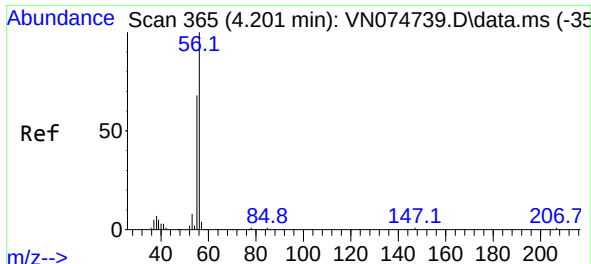
Tgt Ion:168 Resp: 459069
Ion Ratio Lower Upper
168 100
99 58.4 42.8 64.2



#11
Tert butyl alcohol
Concen: 0.675 ug/l
RT: 5.571 min Scan# 598
Delta R.T. 0.012 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

Tgt Ion: 59 Resp: 2458
Ion Ratio Lower Upper
59 100
57 3.0 7.7 11.5#

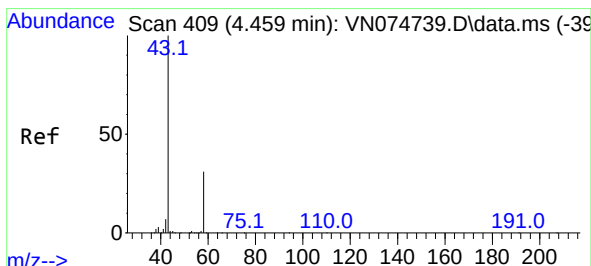
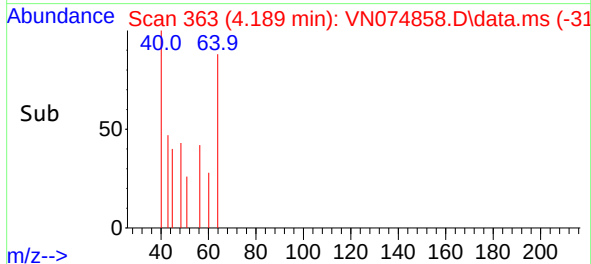
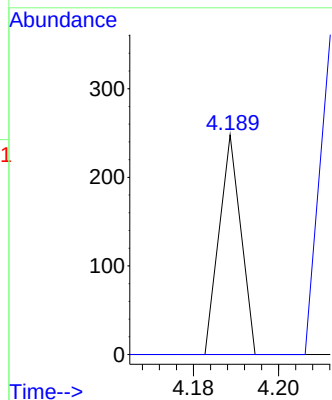
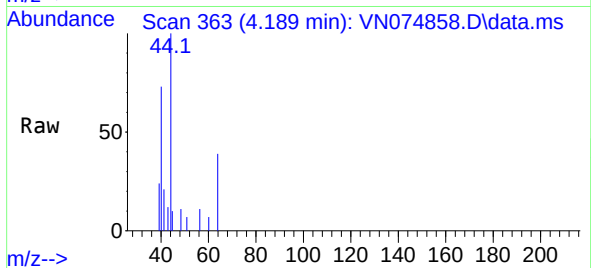




#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 30
Delta R.T. -0.012 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

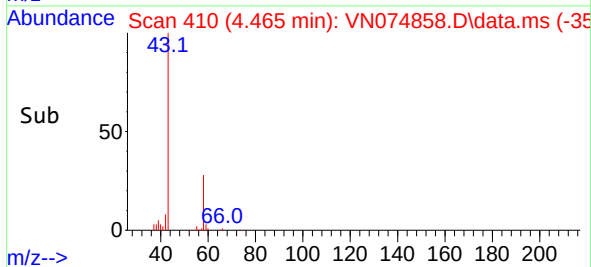
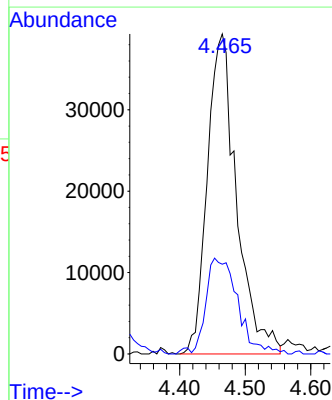
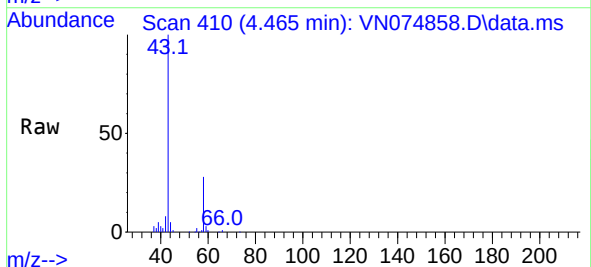
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#07

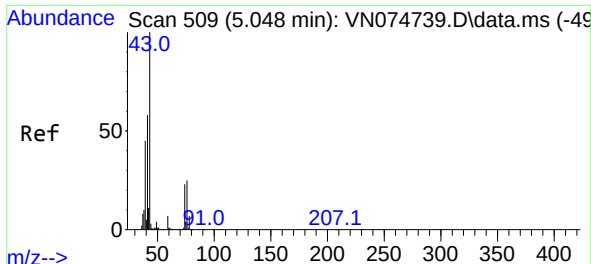
Tgt Ion: 56 Resp: 88
Ion Ratio Lower Upper
56 100
55 0.0 54.9 82.3#



#16
Acetone
Concen: 19.770 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

Tgt Ion: 43 Resp: 121868
Ion Ratio Lower Upper
43 100
58 27.3 24.9 37.3

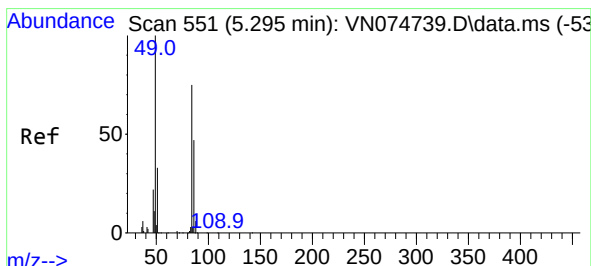
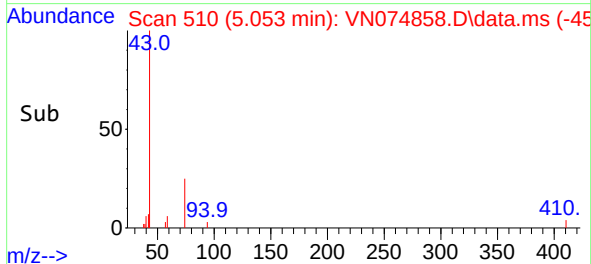
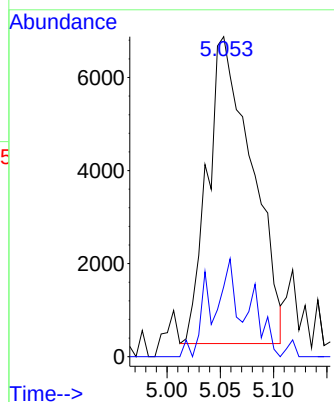
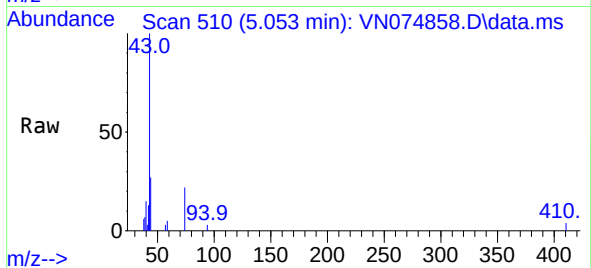




#18
Methyl Acetate
Concen: 0.838 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.006 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

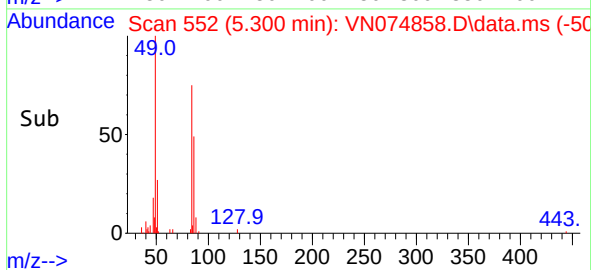
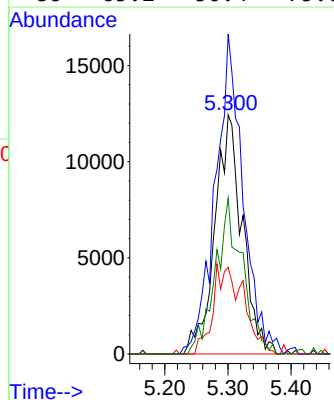
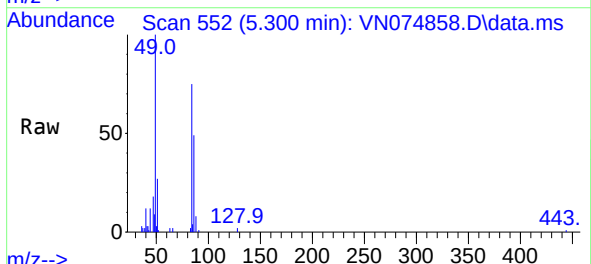
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#07

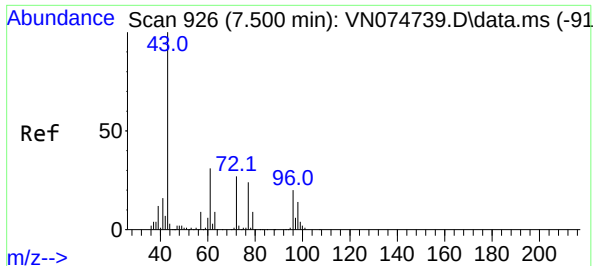
Tgt Ion: 43 Resp: 19116
Ion Ratio Lower Upper
43 100
74 11.5 18.5 27.7#



#20
Methylene Chloride
Concen: 1.685 ug/l
RT: 5.300 min Scan# 552
Delta R.T. 0.005 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

Tgt Ion: 84 Resp: 37561
Ion Ratio Lower Upper
84 100
49 133.7 107.4 161.0
51 36.2 35.1 52.7
86 65.2 50.4 75.6





#25

2-Butanone

Concen: 1.204 ug/l

RT: 7.512 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN074858.D

Acq: 11 Oct 2022 19:50

Instrument :

MSVOA_N

ClientSampleId :

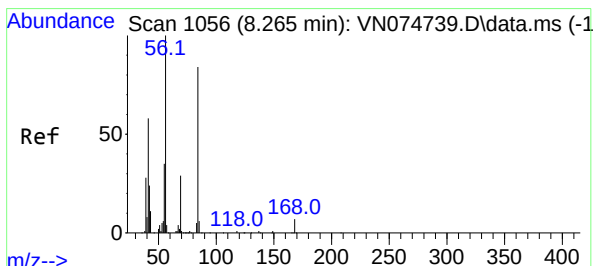
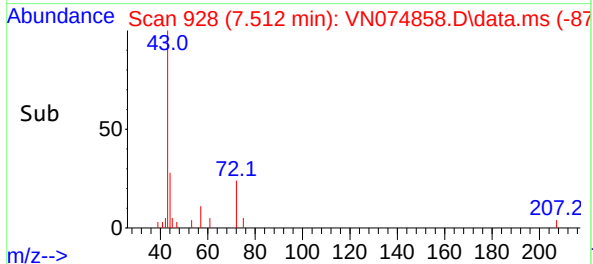
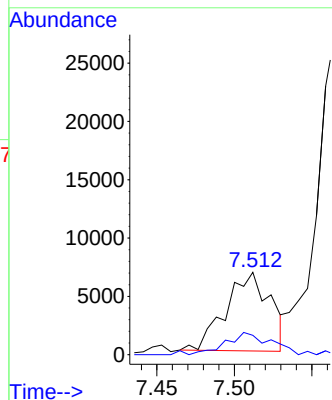
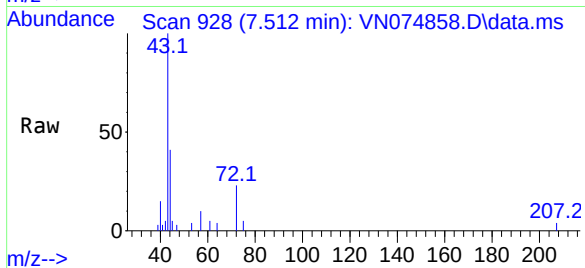
PB148255ZHE#07

Tgt Ion: 43 Resp: 13465

Ion Ratio Lower Upper

43 100

72 19.7 21.4 32.0#



#31

Cyclohexane

Concen: 0.724 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.036 min

Lab File: VN074858.D

Acq: 11 Oct 2022 19:50

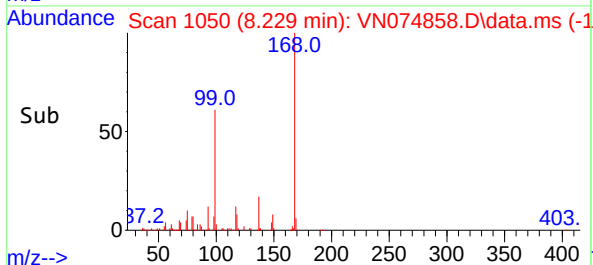
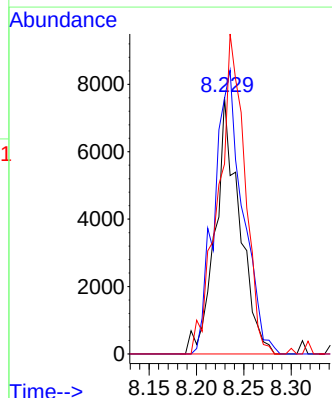
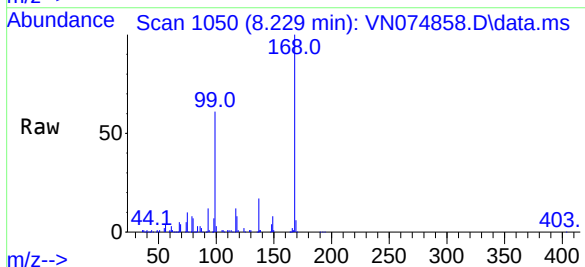
Tgt Ion: 56 Resp: 13602

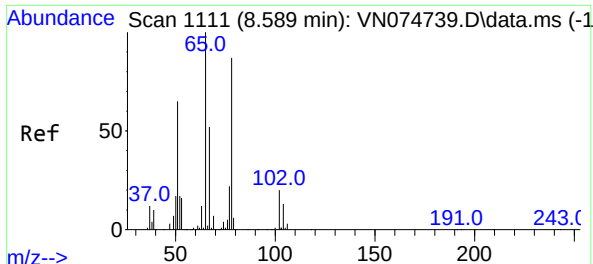
Ion Ratio Lower Upper

56 100

69 99.5 23.1 34.7#

84 74.0 67.1 100.7

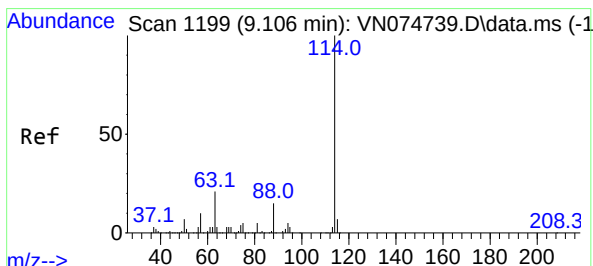
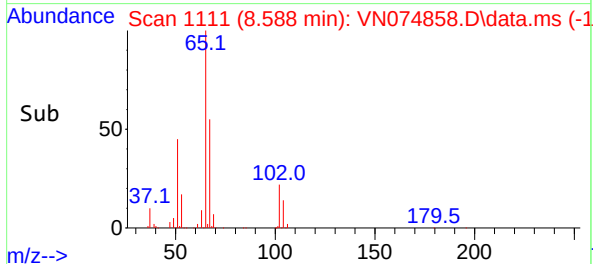
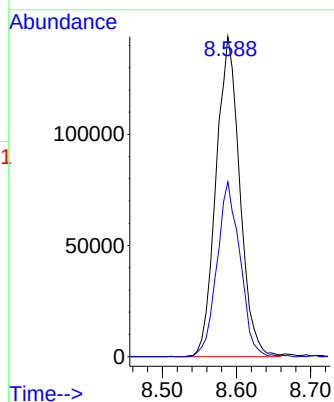
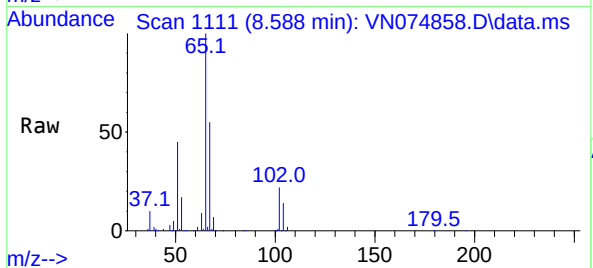




#33
1,2-Dichloroethane-d4
Concen: 29.418 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

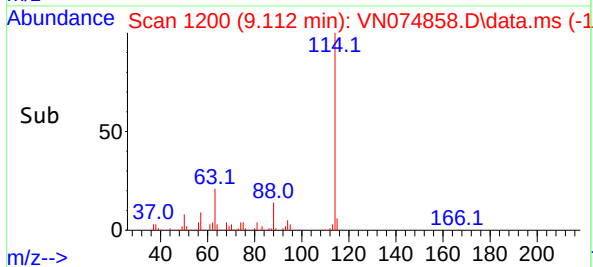
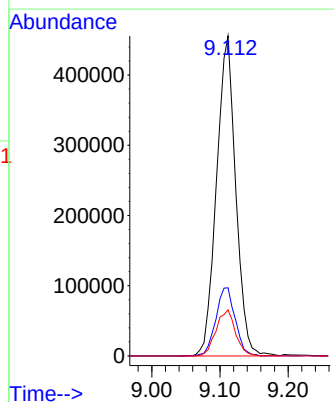
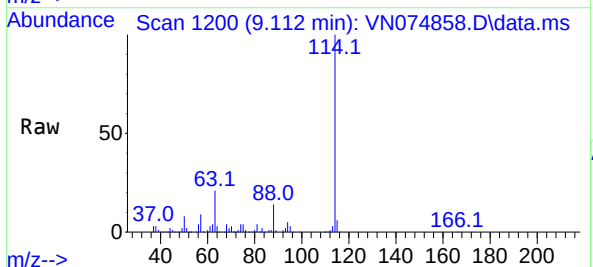
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ClientSampleId :
PB148255ZHE#07

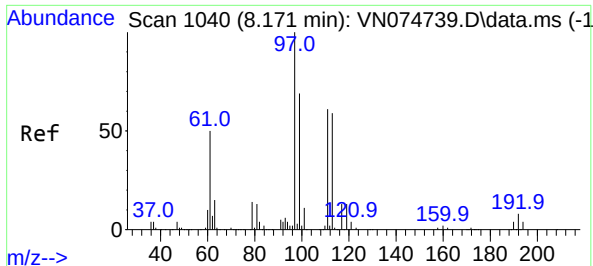
Tgt Ion: 65 Resp: 319988
Ion Ratio Lower Upper
65 100
67 53.2 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1200
Delta R.T. 0.006 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

Tgt Ion: 114 Resp: 894120
Ion Ratio Lower Upper
114 100
63 21.3 0.0 41.2
88 14.4 0.0 30.2

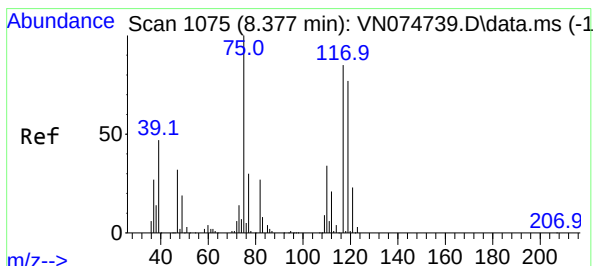
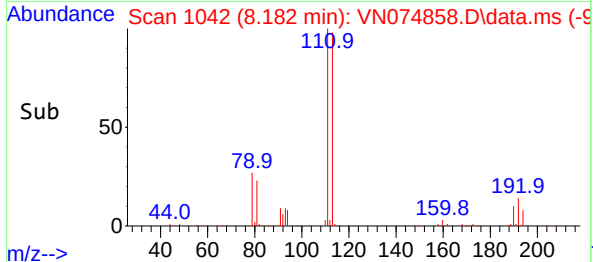
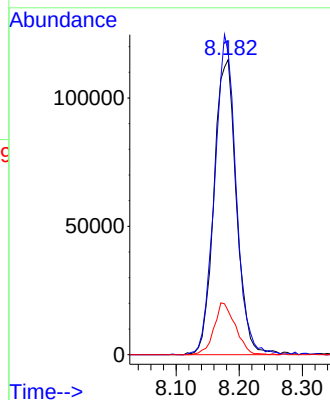
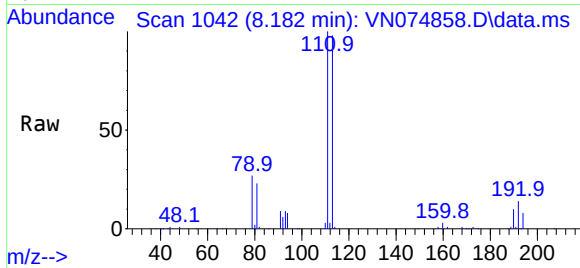




#35
Dibromofluoromethane
Concen: 31.456 ug/l
RT: 8.182 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

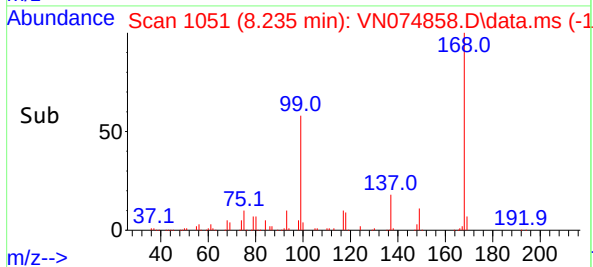
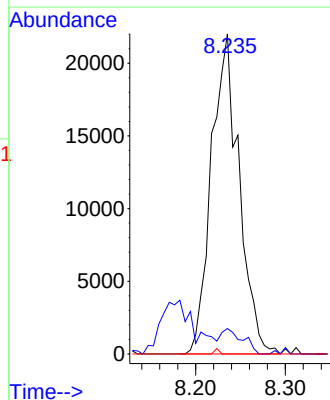
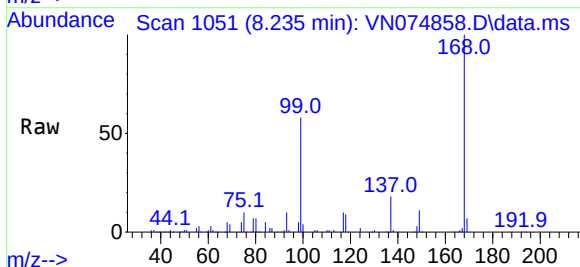
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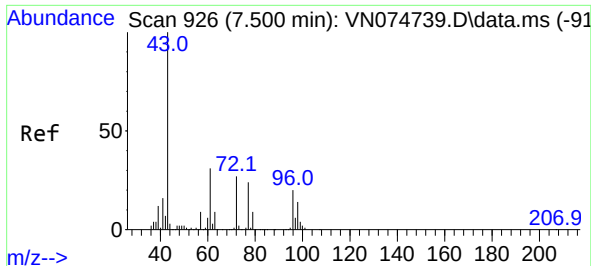
Tgt Ion:113 Resp: 284163
Ion Ratio Lower Upper
113 100
111 103.6 83.0 124.6
192 16.6 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.227 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

Tgt Ion: 75 Resp: 47180
Ion Ratio Lower Upper
75 100
110 6.1 17.2 51.5#
77 0.3 24.3 36.5#

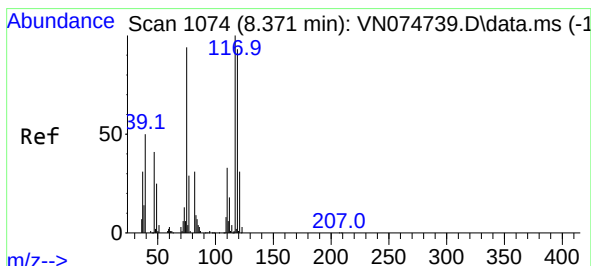
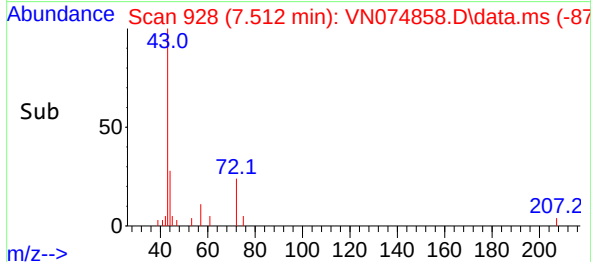
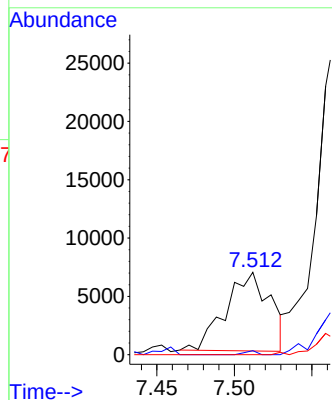
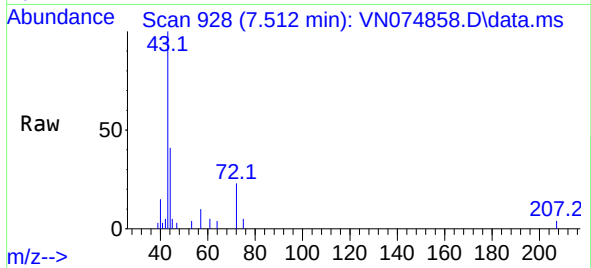




#37
Ethyl Acetate
Concen: 0.230 ug/l
RT: 7.512 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

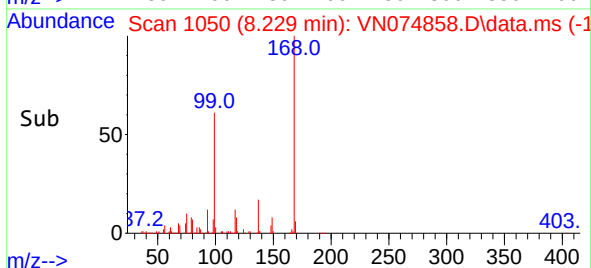
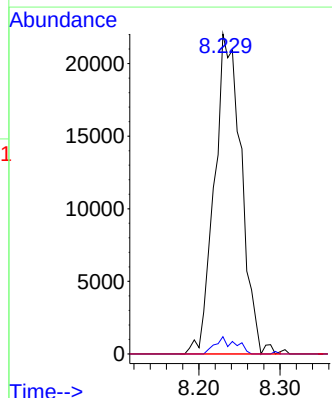
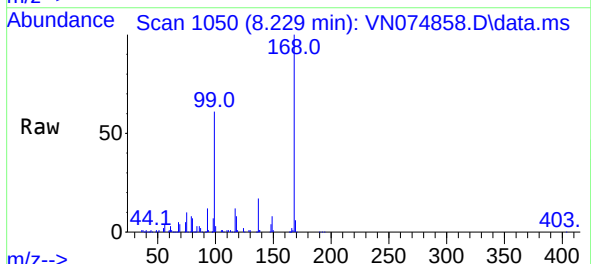
Instrument :
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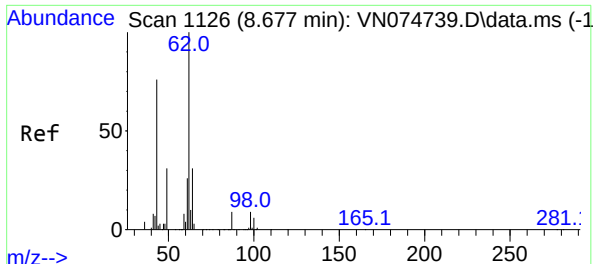
Tgt Ion: 43 Resp: 13465
Ion Ratio Lower Upper
43 100
61 0.0 4.3 6.5#
70 0.0 3.0 4.4#



#38
Carbon Tetrachloride
Concen: 3.670 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

Tgt Ion: 117 Resp: 50600
Ion Ratio Lower Upper
117 100
119 5.4 74.3 111.5#
121 0.0 25.0 37.4#

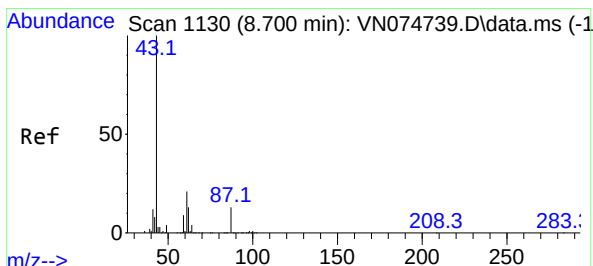
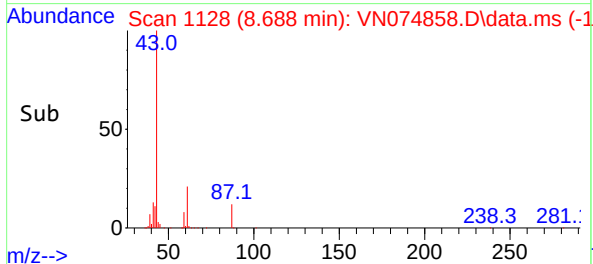
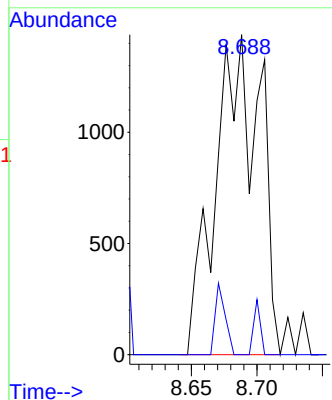
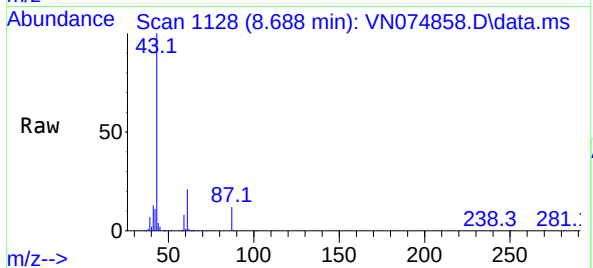




#42
1,2-Dichloroethane
Concen: 0.229 ug/l
RT: 8.688 min Scan# 1126
Delta R.T. 0.012 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

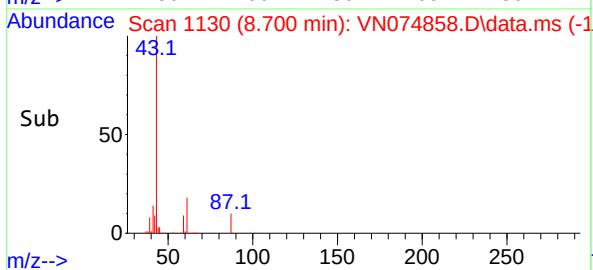
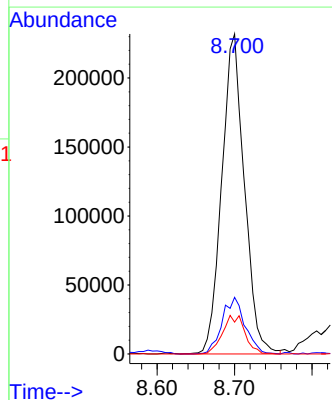
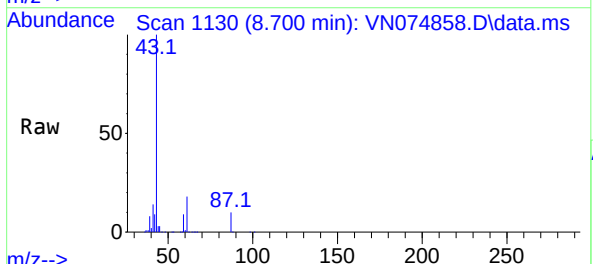
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#07

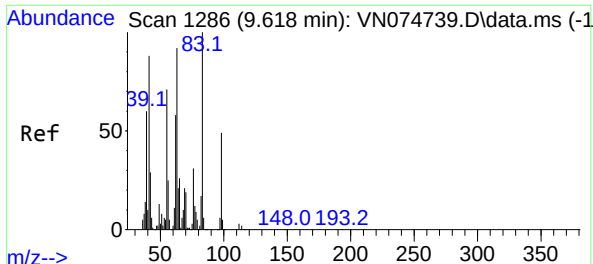
Tgt Ion: 62 Resp: 3400
Ion Ratio Lower Upper
62 100
98 2.6 0.0 19.4



#43
Isopropyl Acetate
Concen: 12.990 ug/l
RT: 8.700 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

Tgt Ion: 43 Resp: 470802
Ion Ratio Lower Upper
43 100
61 18.1 19.4 29.0#
87 12.0 10.1 15.1





#48

Methyl methacrylate

Concen: 27.806 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN074858.D

Acq: 11 Oct 2022 19:50

Instrument :

MSVOA_N

ClientSampleId :

PB148255ZHE#07

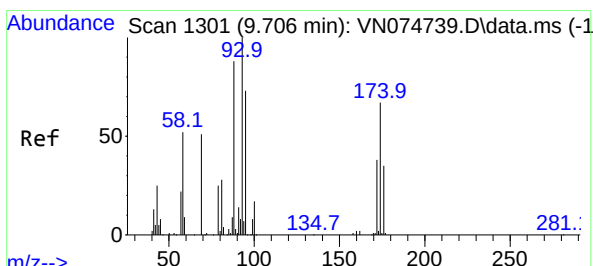
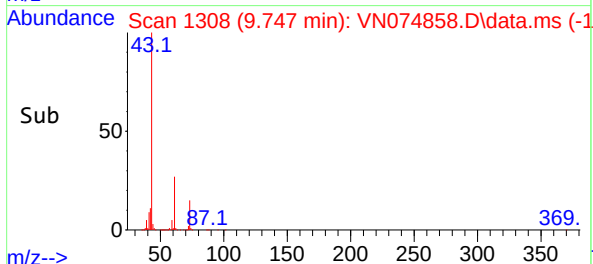
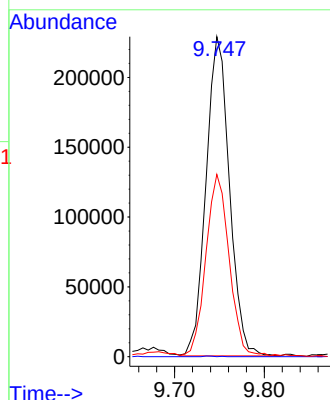
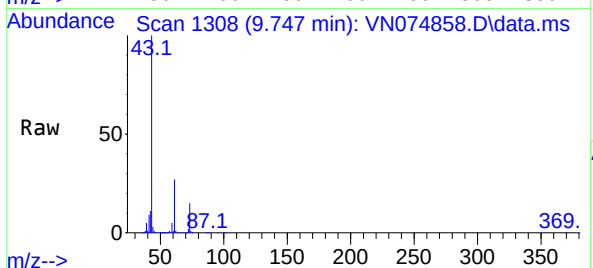
Tgt Ion: 41 Resp: 413756

Ion Ratio Lower Upper

41 100

69 0.1 0.0 0.0#

39 57.2 54.4 81.6



#49

1,4-Dioxane

Concen: 0.338 ug/l

RT: 9.694 min Scan# 1299

Delta R.T. -0.012 min

Lab File: VN074858.D

Acq: 11 Oct 2022 19:50

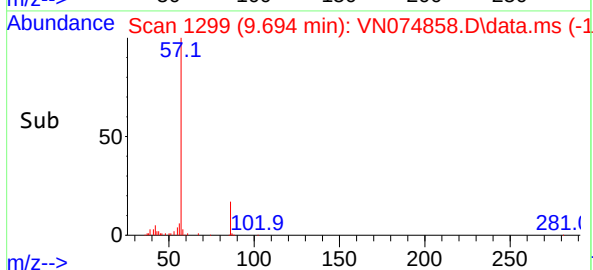
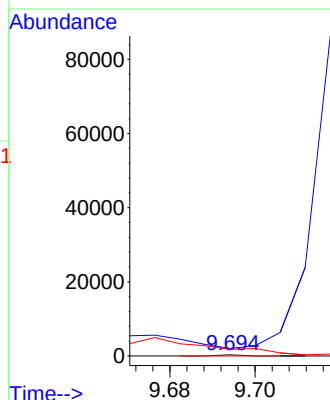
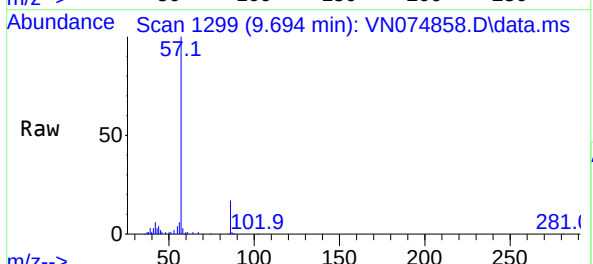
Tgt Ion: 88 Resp: 109

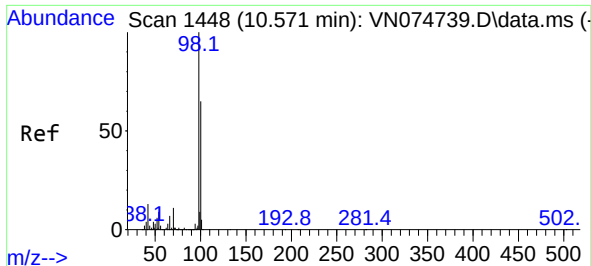
Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 8623.9 54.9 82.3#

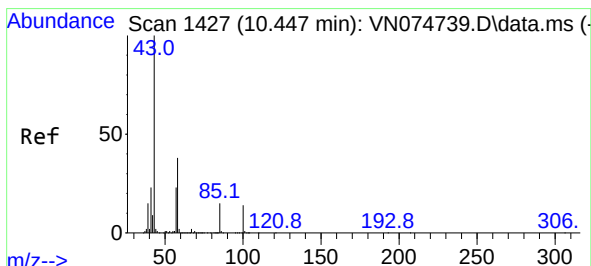
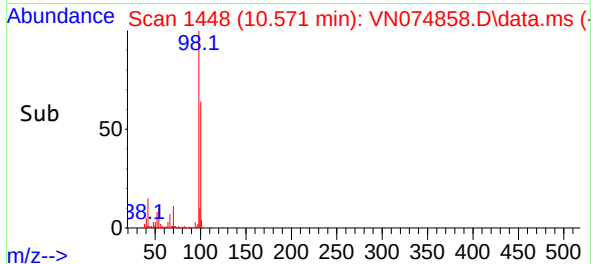
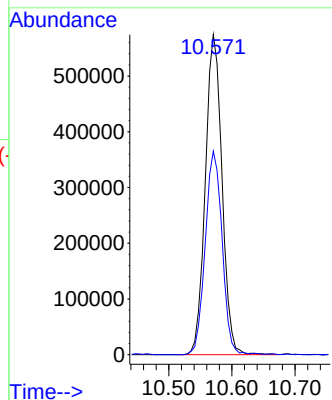
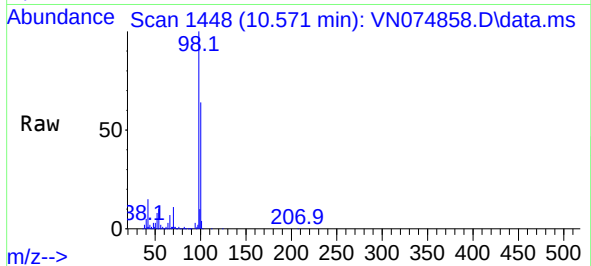




#50
Toluene-d8
Concen: 27.217 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

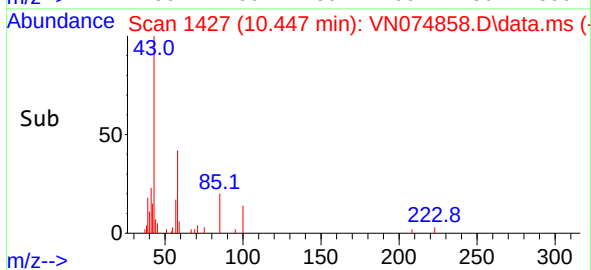
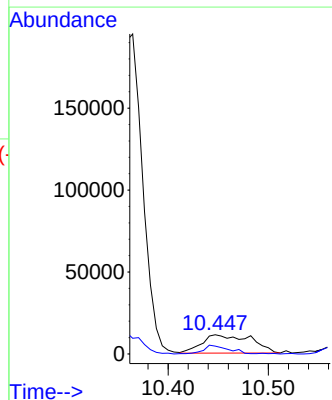
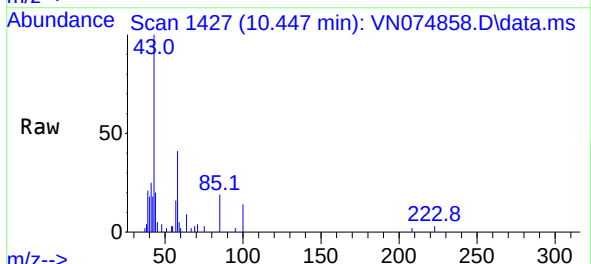
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#07

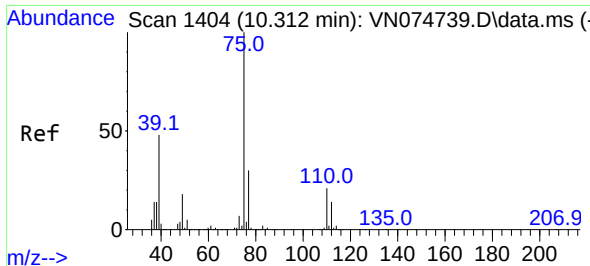
Tgt Ion: 98 Resp: 1055020
Ion Ratio Lower Upper
98 100
100 64.2 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 1.643 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

Tgt Ion: 43 Resp: 38350
Ion Ratio Lower Upper
43 100
58 22.5 30.6 45.8#

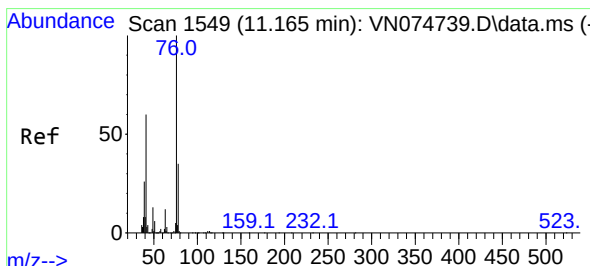
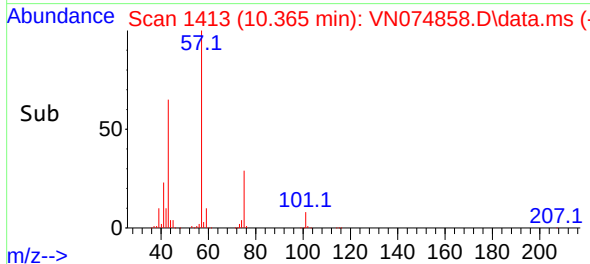
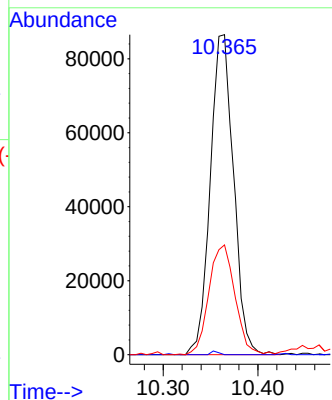
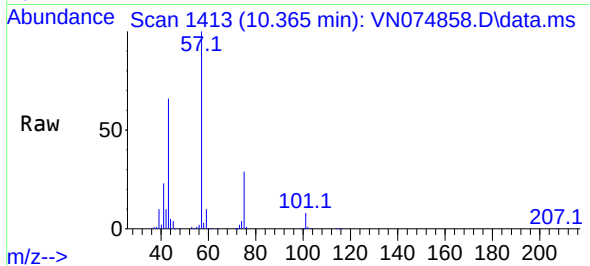




#54
cis-1,3-Dichloropropene
Concen: 7.487 ug/l
RT: 10.365 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

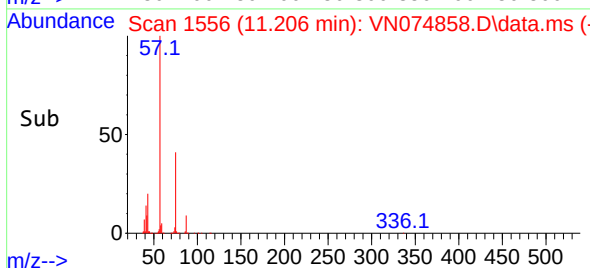
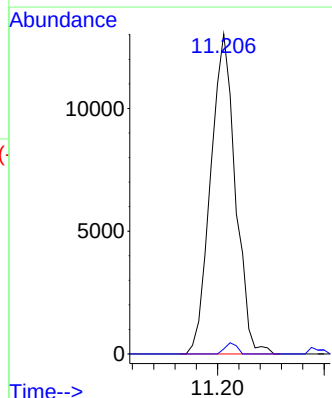
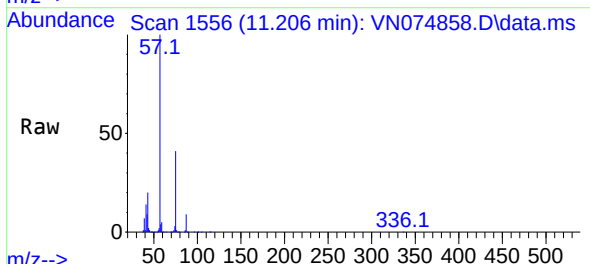
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#07

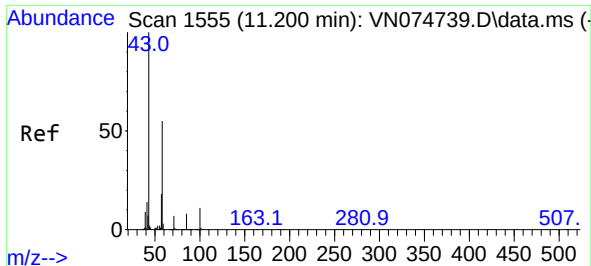
Tgt Ion: 75 Resp: 147982
Ion Ratio Lower Upper
75 100
77 0.0 24.4 36.6#
39 34.1 38.6 57.8#



#57
1,3-Dichloropropane
Concen: 1.022 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

Tgt Ion: 76 Resp: 21059
Ion Ratio Lower Upper
76 100
78 1.7 26.2 39.2#

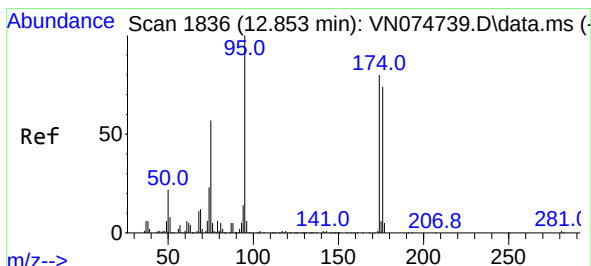
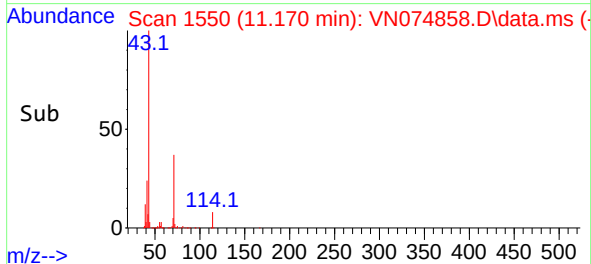
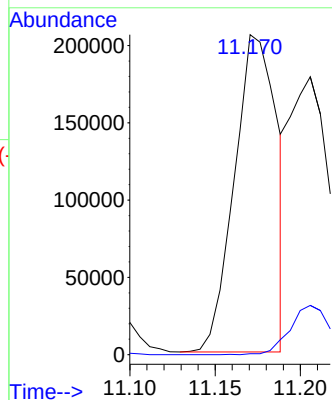
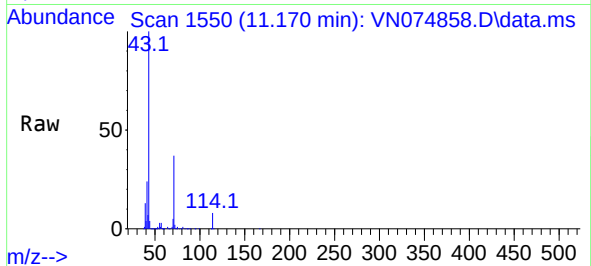




#59
2-Hexanone
Concen: 20.107 ug/l
RT: 11.170 min Scan# 1150
Delta R.T. -0.030 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

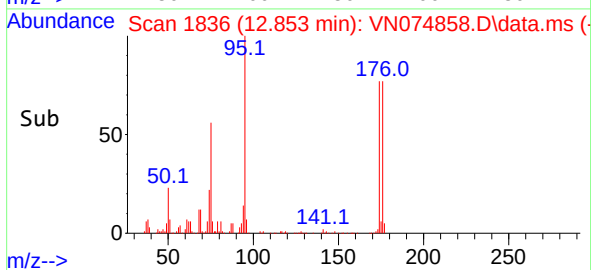
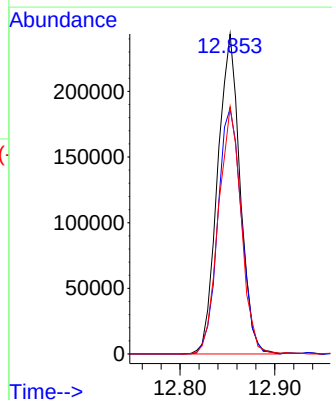
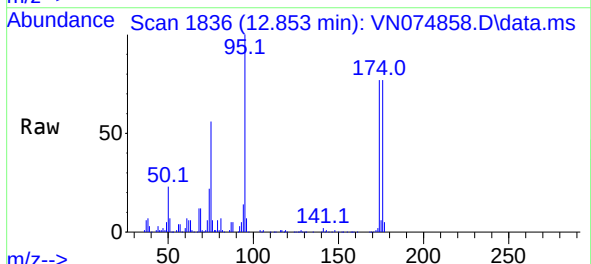
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#07

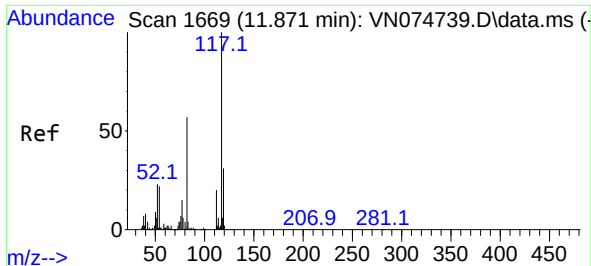
Tgt Ion: 43 Resp: 354968
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.9#



#62
4-Bromofluorobenzene
Concen: 34.093 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

Tgt Ion: 95 Resp: 401735
Ion Ratio Lower Upper
95 100
174 80.6 0.0 149.4
176 78.4 0.0 142.0

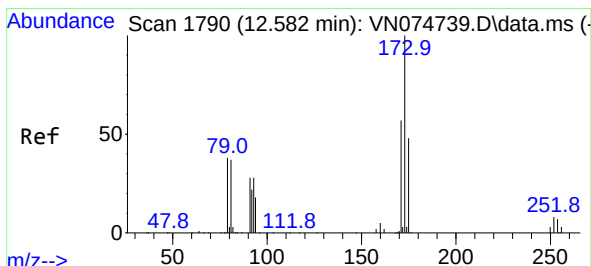
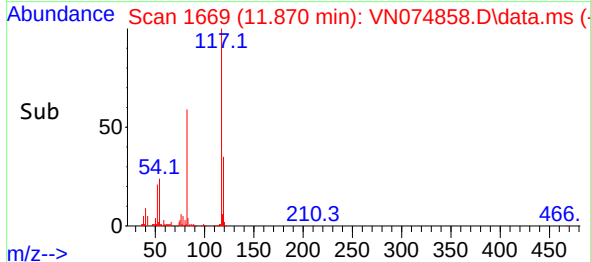
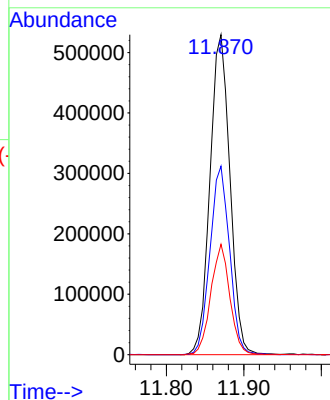
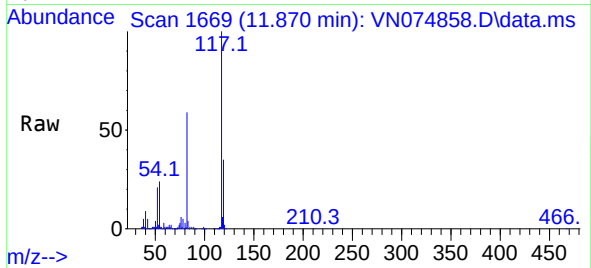




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

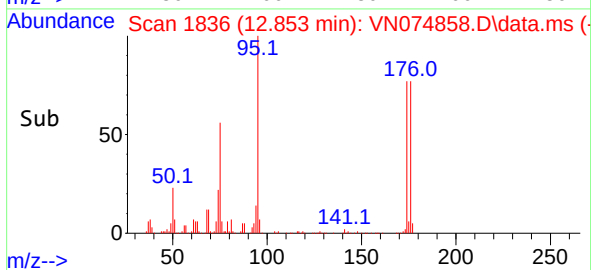
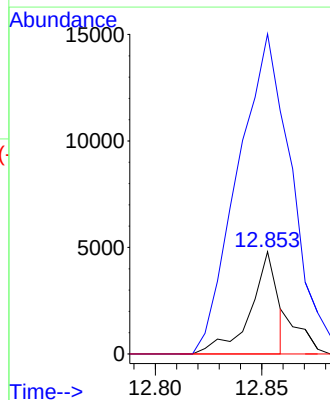
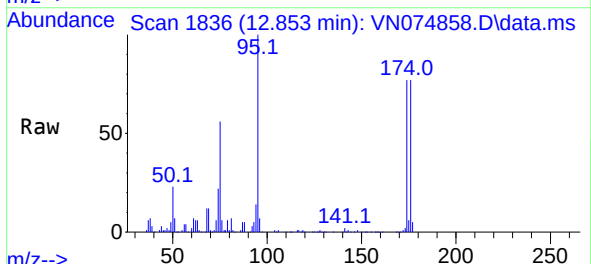
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#07

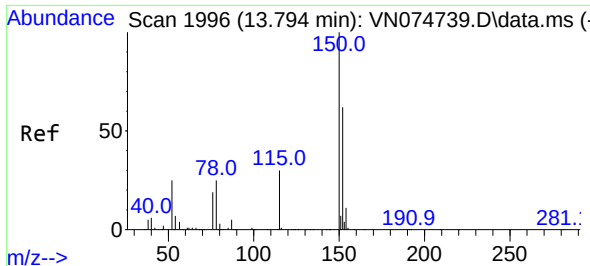
Tgt Ion:117 Resp: 949097
Ion Ratio Lower Upper
117 100
82 58.9 45.4 68.2
119 34.5 25.1 37.7



#71
Bromoform
Concen: 0.527 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

Tgt Ion:173 Resp: 4265
Ion Ratio Lower Upper
173 100
175 494.9 23.9 71.7#
254 0.0 0.1 0.1#

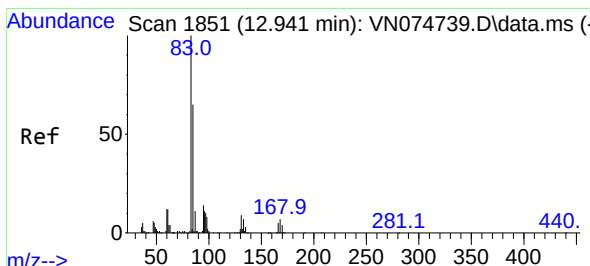
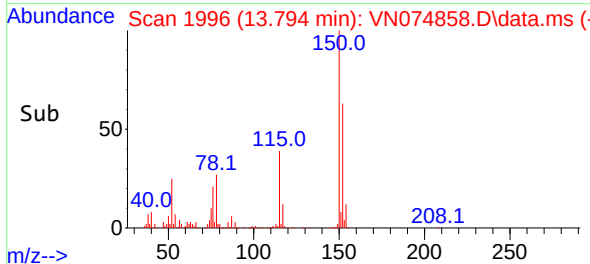
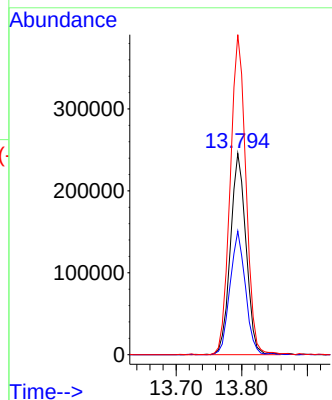
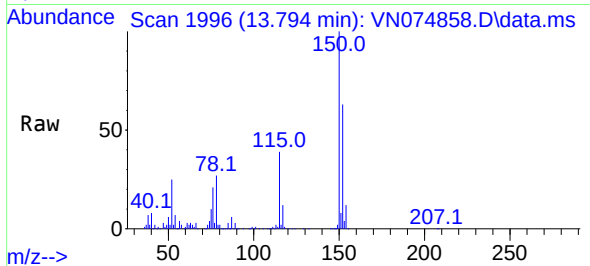




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN074858.D
 Acq: 11 Oct 2022 19:50

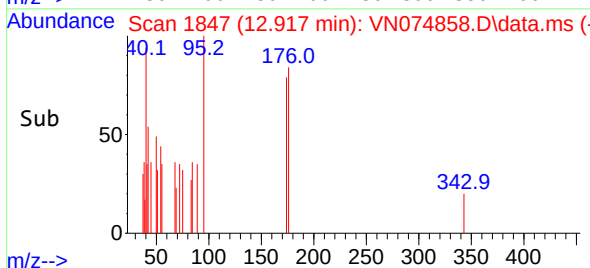
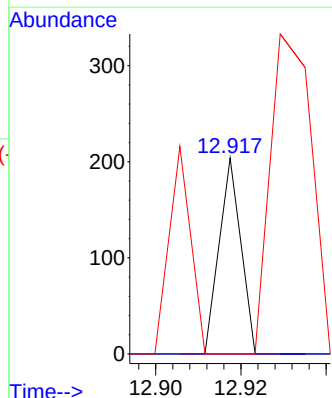
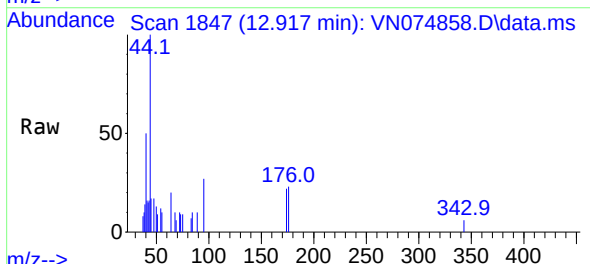
Instrument :
 MSVOA_N
 ClientSampleId :
 PB148255ZHE#07

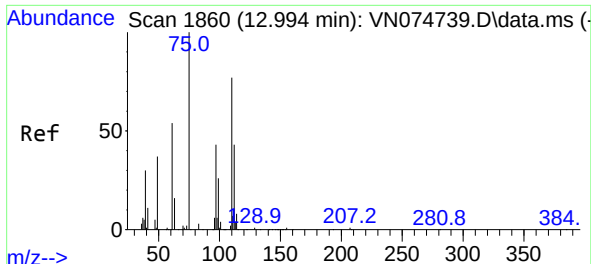
Tgt Ion:152 Resp: 406818
 Ion Ratio Lower Upper
 152 100
 115 60.4 30.0 90.0
 150 160.0 0.0 356.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.917 min Scan# 1847
 Delta R.T. -0.024 min
 Lab File: VN074858.D
 Acq: 11 Oct 2022 19:50

Tgt Ion: 83 Resp: 72
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.3 12.8#
 85 309.7 32.9 98.6#

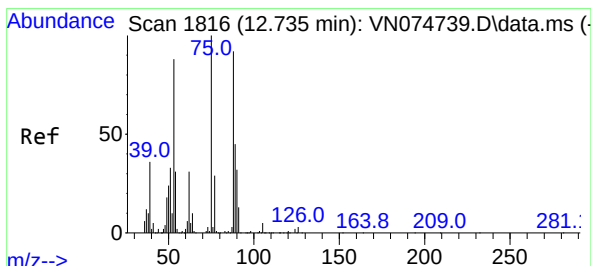
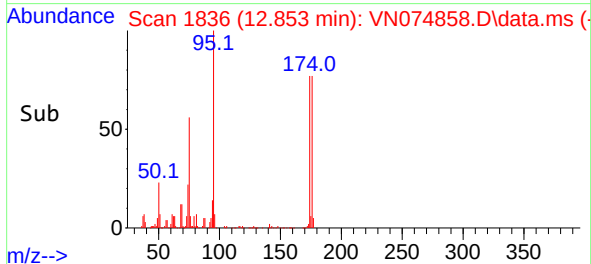
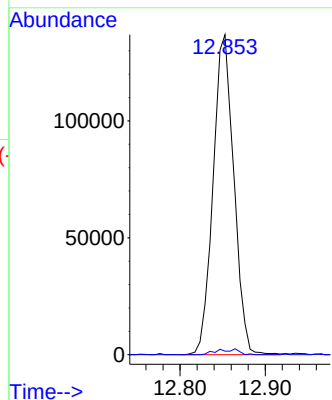
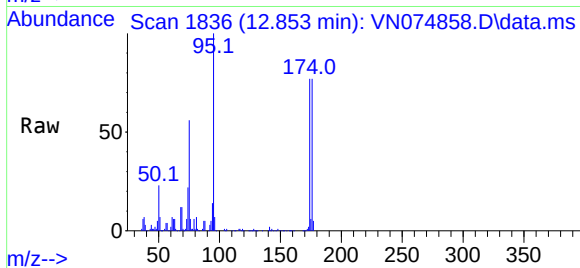




#76
1,2,3-Trichloropropane
Concen: 19.100 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

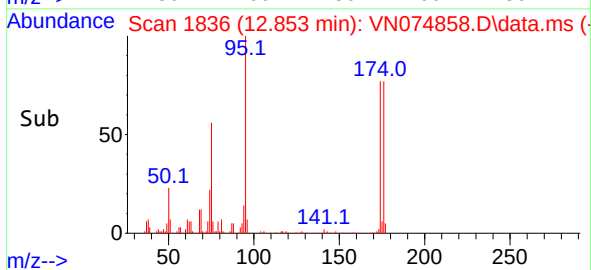
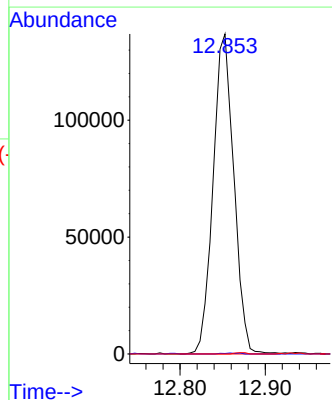
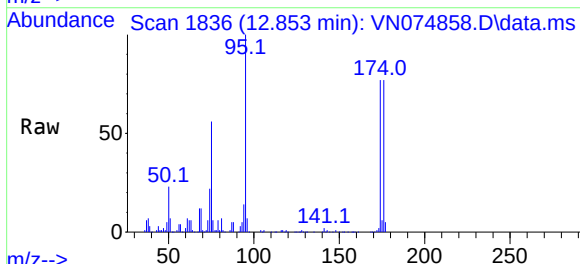
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#07

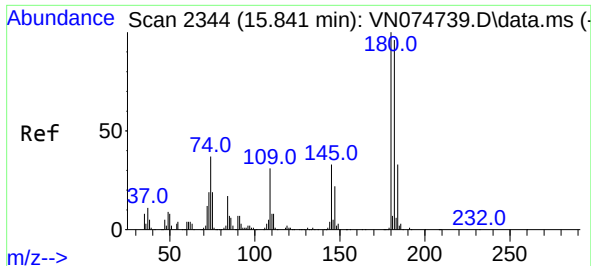
Tgt Ion: 75 Resp: 231917
Ion Ratio Lower Upper
75 100
77 1.9 76.9 230.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 37.213 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.117 min
Lab File: VN074858.D
Acq: 11 Oct 2022 19:50

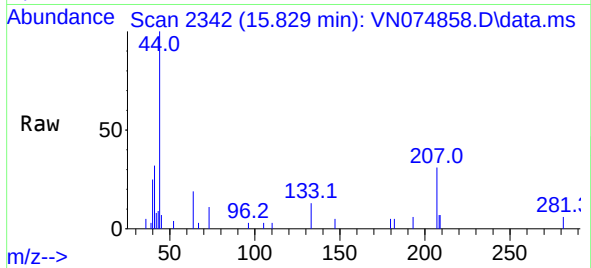
Tgt Ion: 75 Resp: 231917
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.0#
89 0.2 32.1 48.1#





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.829 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN074858.D
 Acq: 11 Oct 2022 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148255ZHE#07



Tgt Ion:180 Resp: 83
 Ion Ratio Lower Upper
 180 100
 182 234.9 47.3 142.0#
 145 0.0 17.1 51.2#

