

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081322\
 Data File : VN073881.D
 Acq On : 13 Aug 2022 20:31
 Operator : JC\MD
 Sample : PB146976ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#07

Quant Time: Aug 14 02:39:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 05:09:32 2022
 Response via : Initial Calibration

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

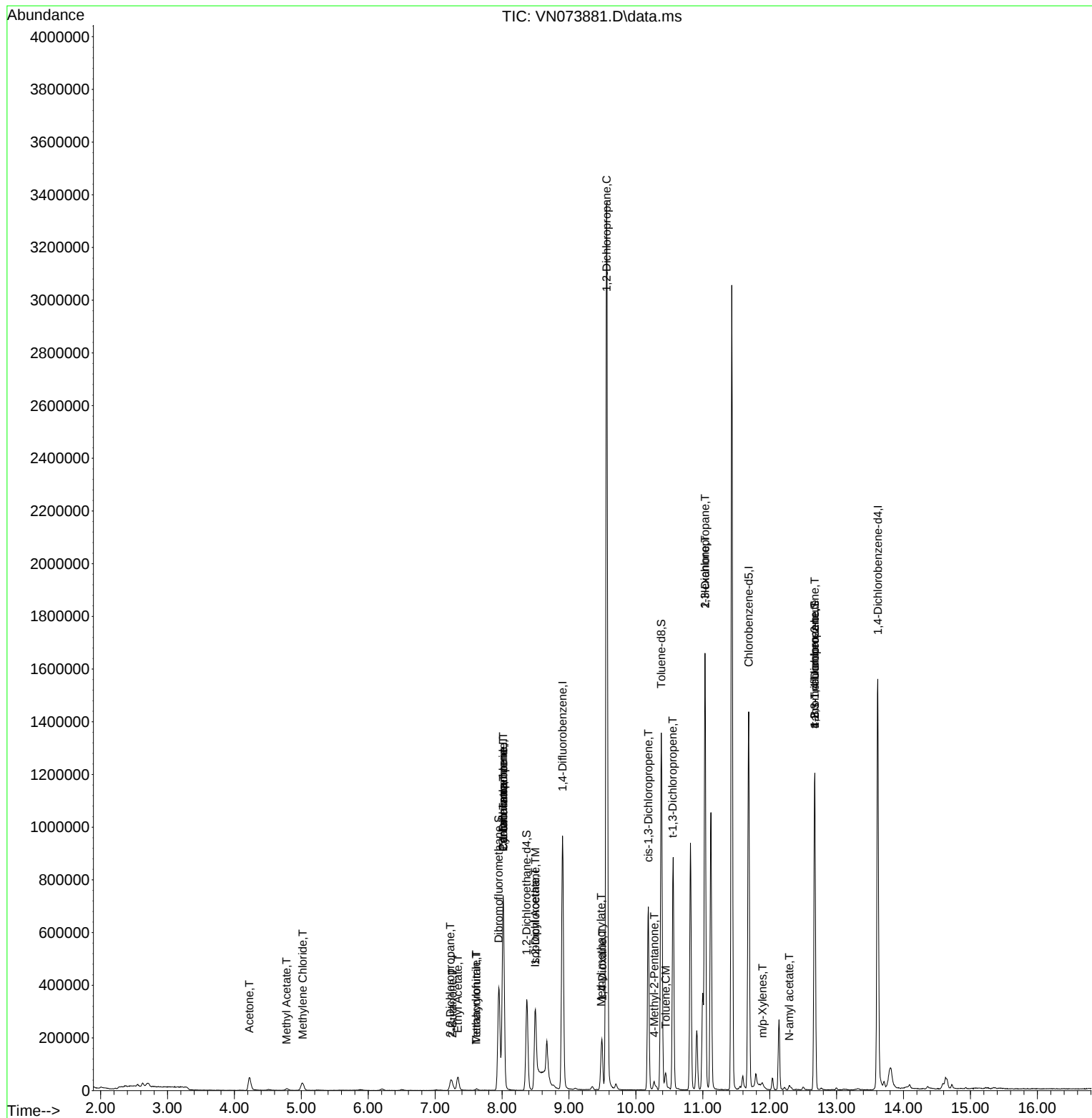
Internal Standards						
1) Pentafluorobenzene	8.016	168	640612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	919559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	876805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	459415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	288045	36.896	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	73.800%#		
35) Dibromofluoromethane	7.951	113	288025	49.881	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.760%		
50) Toluene-d8	10.380	98	964141	42.431	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	84.860%#		
62) 4-Bromofluorobenzene	12.674	95	393346	49.350	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.700%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1392	Below Cal	#	87
6) Chloroethane	3.005	64	55	Below Cal	#	42
16) Acetone	4.222	43	94028	22.424	ug/l	93
18) Methyl Acetate	4.781	43	12247	1.174	ug/l	98
20) Methylene Chloride	5.022	84	24475	1.469	ug/l	89
25) 2-Butanone	7.257	43	18858	2.896	ug/l	95
26) 2,2-Dichloropropane	7.228	77	2476	0.250	ug/l	# 53
29) Tetrahydrofuran	7.616	42	4299	1.044	ug/l	93
31) Cyclohexane	8.016	56	9902	0.852	ug/l	# 4
36) 1,1-Dichloropropene	8.016	75	38275	4.651	ug/l	# 49
37) Ethyl Acetate	7.340	43	76585	7.066	ug/l	98
38) Carbon Tetrachloride	8.016	117	56023	6.703	ug/l	# 16
41) Methacrylonitrile	7.616	41	2593	0.529	ug/l	# 36
42) 1,2-Dichloroethane	8.498	62	2629	0.292	ug/l	# 74
43) Isopropyl Acetate	8.492	43	435383	29.741	ug/l	# 85
45) 1,2-Dichloropropane	9.563	63	4829	0.723	ug/l	# 44
48) Methyl methacrylate	9.481	41	10919	1.704	ug/l	# 39
49) 1,4-Dioxane	9.498	88	326	1.805	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.275	43	29941	2.852	ug/l	# 75
52) Toluene	10.445	92	26542	1.626	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	2796	0.318	ug/l	# 39
54) cis-1,3-Dichloropropene	10.186	75	135233	13.652	ug/l	# 59
57) 1,3-Dichloropropane	11.033	76	18254	1.581	ug/l	# 42
59) 2-Hexanone	11.033	43	207928	26.138	ug/l	# 49
68) m/p-Xylenes	11.892	106	4724	0.394	ug/l	98
74) N-amyl acetate	12.292	43	12759	1.004	ug/l	# 44
76) 1,2,3-Trichloropropane	12.674	75	195750	21.416	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.674	75	195750	55.218	ug/l	# 10

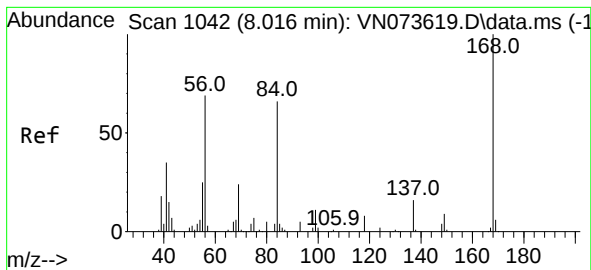
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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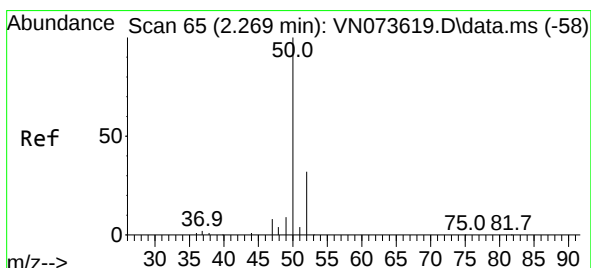
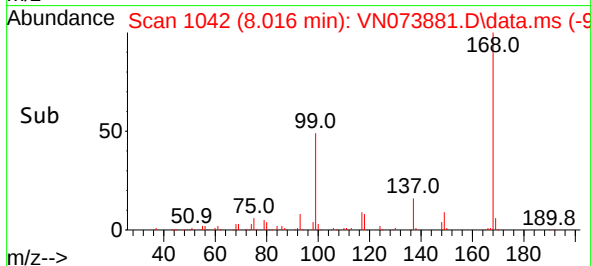
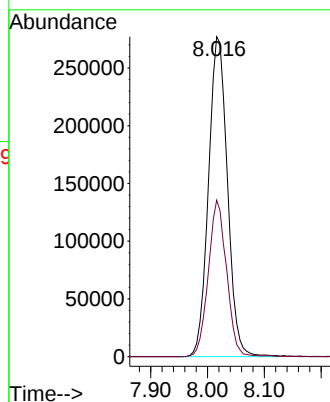
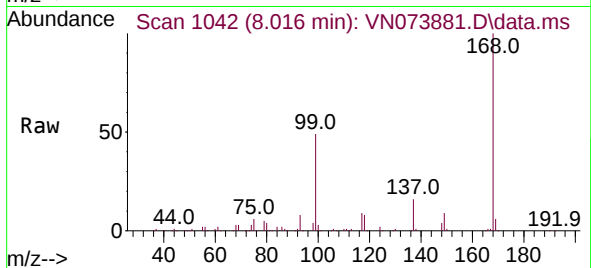




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

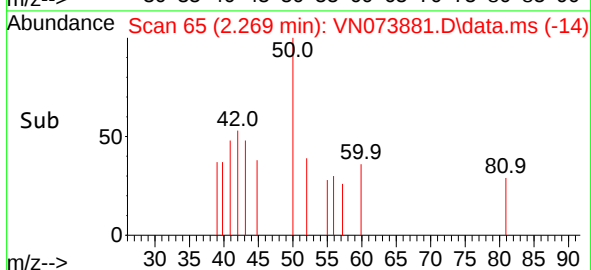
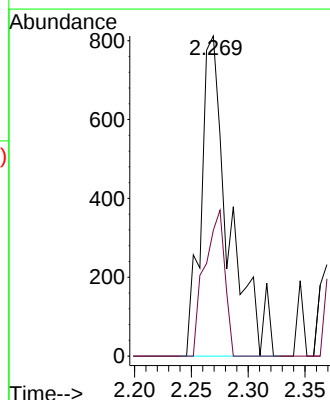
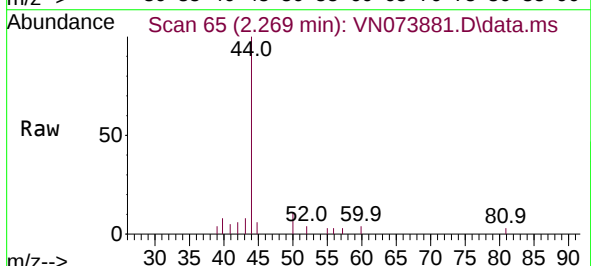
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

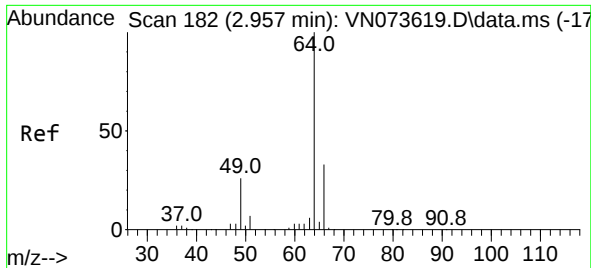
Tgt Ion:168 Resp: 640612
Ion Ratio Lower Upper
168 100
99 48.9 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

Tgt Ion: 50 Resp: 1392
Ion Ratio Lower Upper
50 100
52 39.3 25.7 38.5#

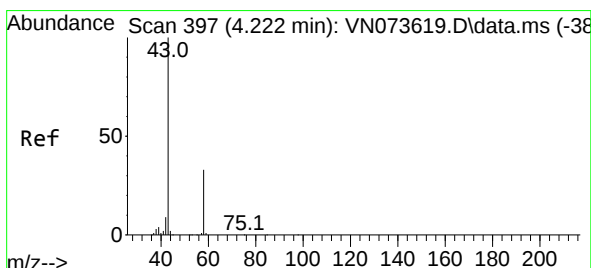
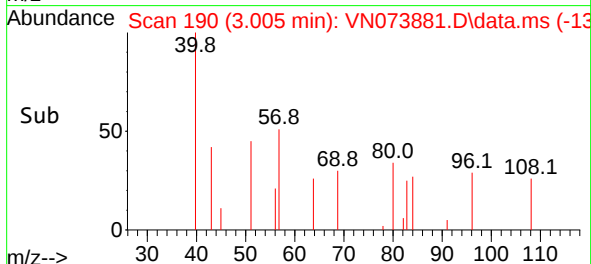
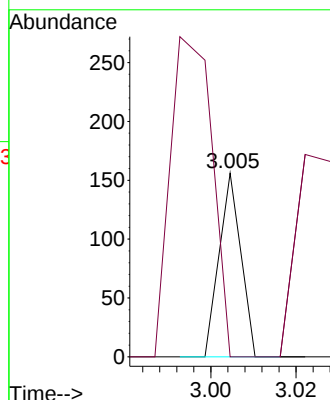
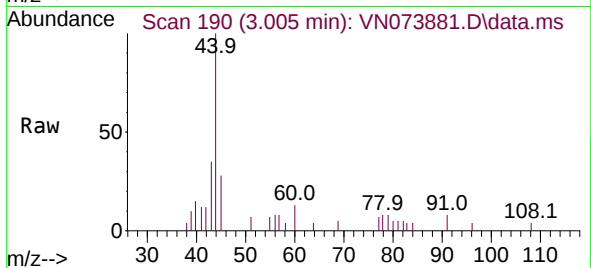




#6
Chloroethane
Concen: Below Cal
RT: 3.005 min Scan# 19
Delta R.T. 0.048 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

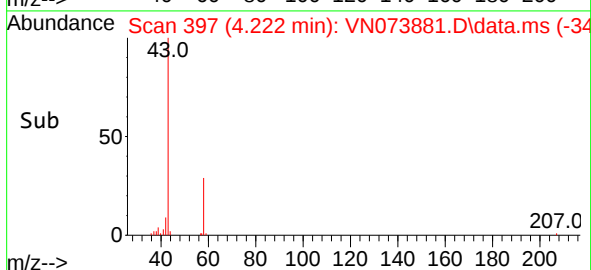
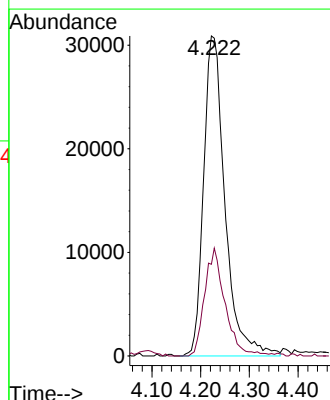
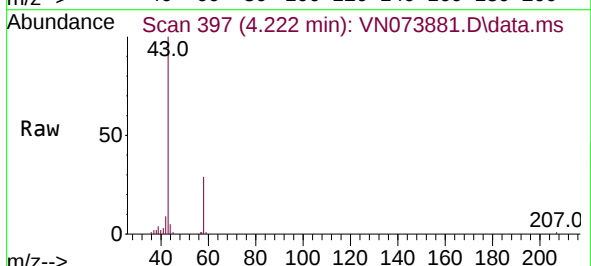
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

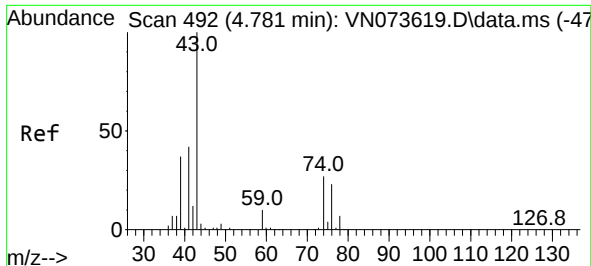
Tgt Ion: 64 Resp: 55
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#16
Acetone
Concen: 22.424 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.000 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

Tgt Ion: 43 Resp: 94028
Ion Ratio Lower Upper
43 100
58 28.6 26.0 39.0

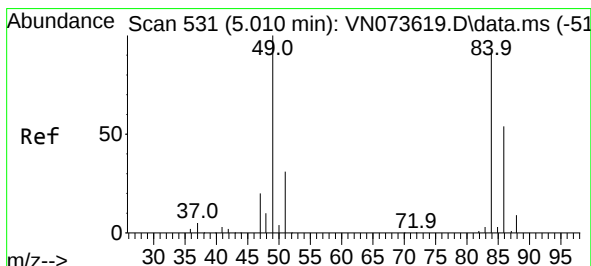
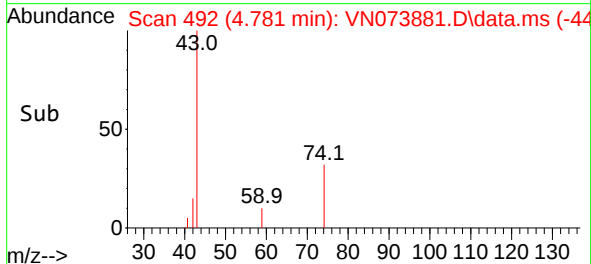
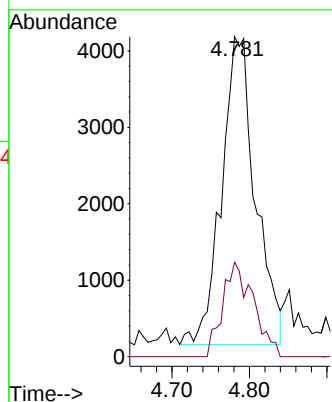
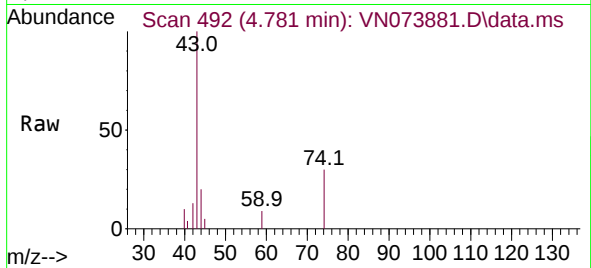




#18
Methyl Acetate
Concen: 1.174 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.000 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

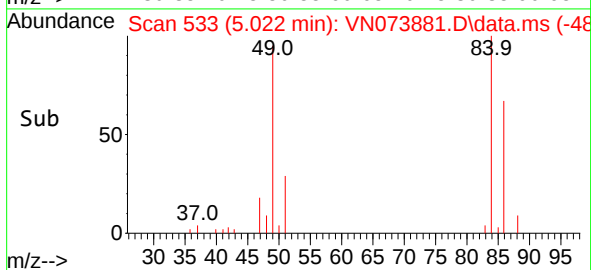
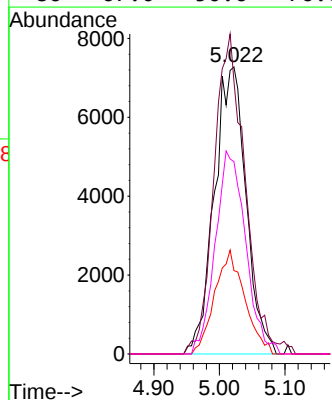
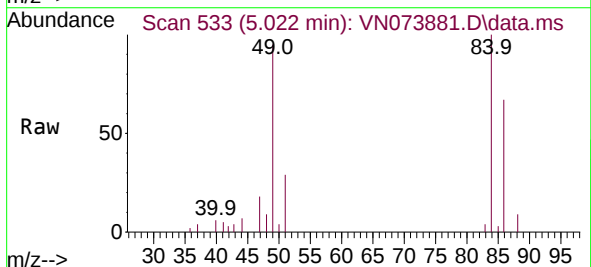
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

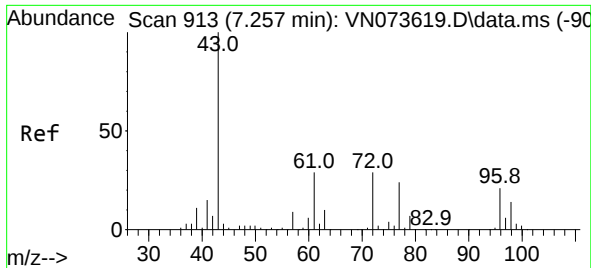
Tgt Ion: 43 Resp: 12247
Ion Ratio Lower Upper
43 100
74 27.9 21.6 32.4



#20
Methylene Chloride
Concen: 1.469 ug/l
RT: 5.022 min Scan# 533
Delta R.T. 0.012 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

Tgt Ion: 84 Resp: 24475
Ion Ratio Lower Upper
84 100
49 94.9 88.3 132.5
51 29.0 28.2 42.2
86 67.0 50.6 76.0

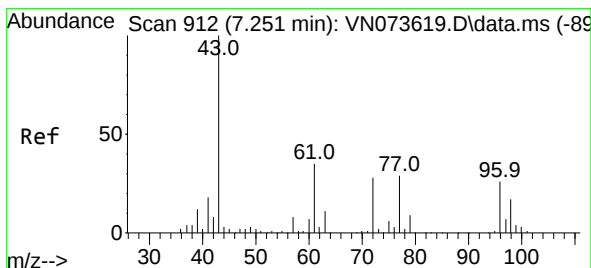
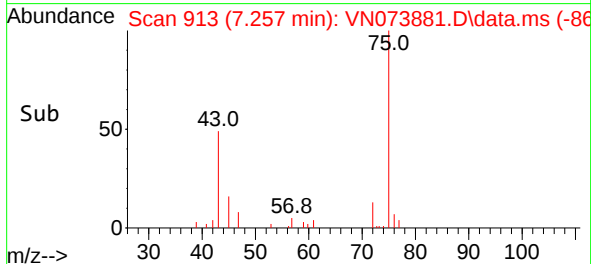
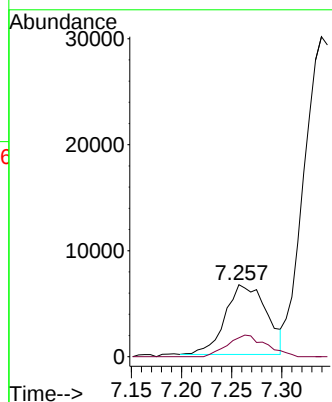
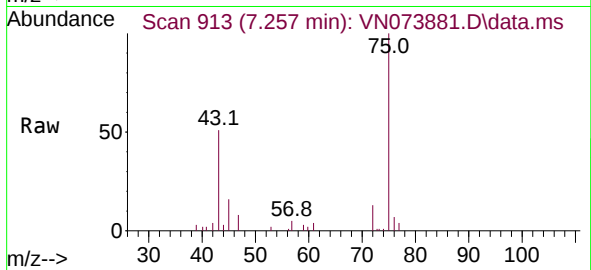




#25
2-Butanone
Concen: 2.896 ug/l
RT: 7.257 min Scan# 913
Delta R.T. 0.000 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

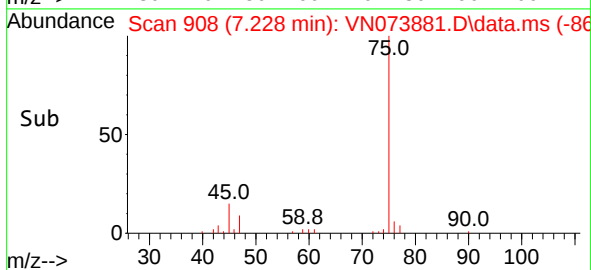
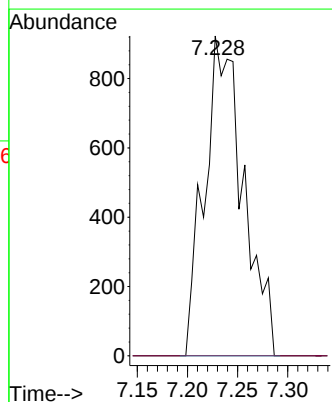
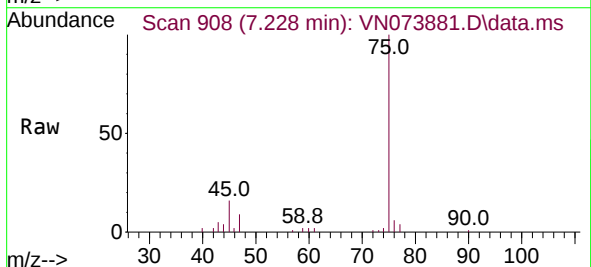
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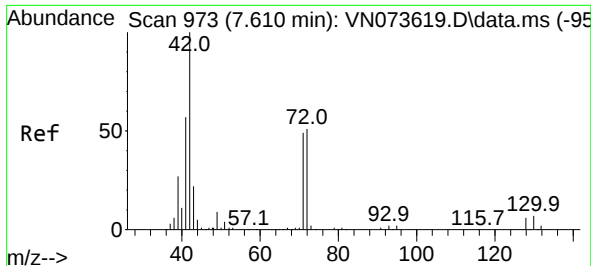
Tgt Ion: 43 Resp: 18858
Ion Ratio Lower Upper
43 100
72 27.1 23.7 35.5



#26
2,2-Dichloropropane
Concen: 0.250 ug/l
RT: 7.228 min Scan# 908
Delta R.T. -0.023 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

Tgt Ion: 77 Resp: 2476
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 1.044 ug/l

RT: 7.616 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN073881.D

Acq: 13 Aug 2022 20:31

Instrument :

MSVOA_N

ClientSampleId :

PB146976ZHE#07

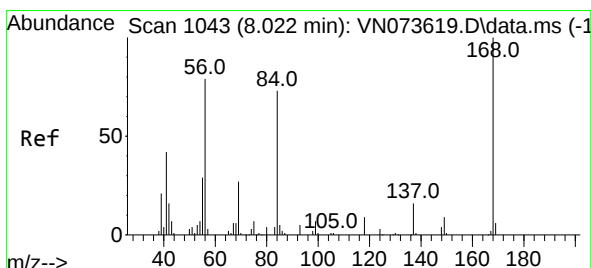
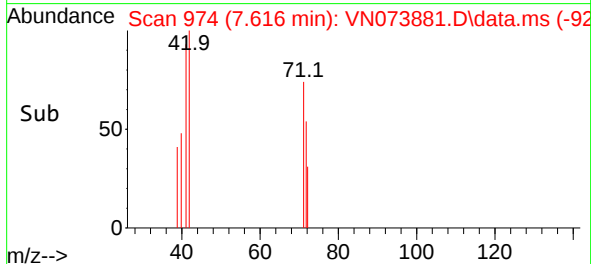
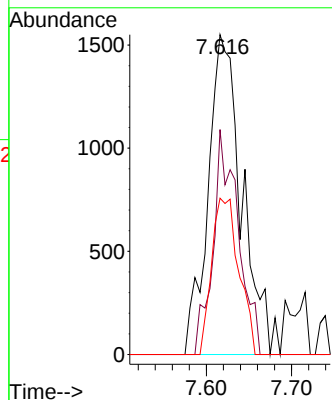
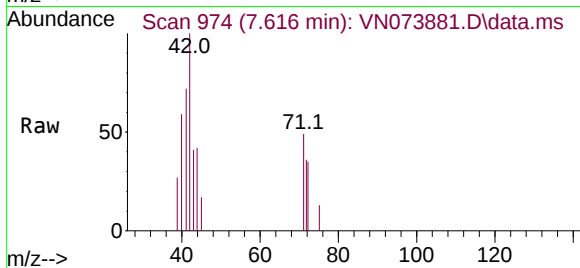
Tgt Ion: 42 Resp: 4299

Ion Ratio Lower Upper

42 100

72 52.1 39.7 59.5

71 39.1 36.6 55.0



#31

Cyclohexane

Concen: 0.852 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073881.D

Acq: 13 Aug 2022 20:31

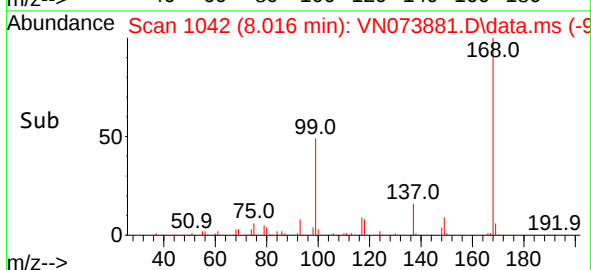
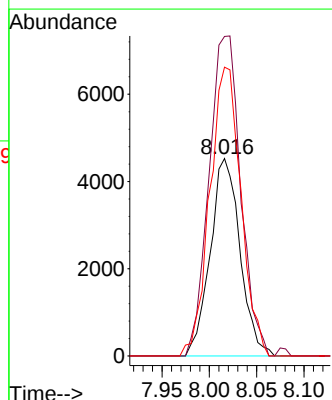
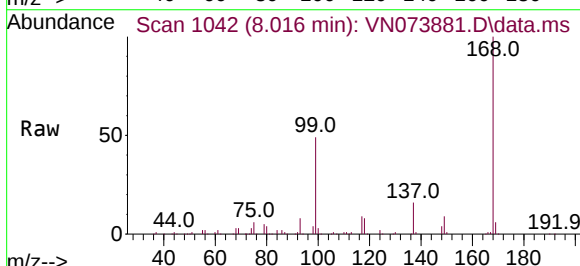
Tgt Ion: 56 Resp: 9902

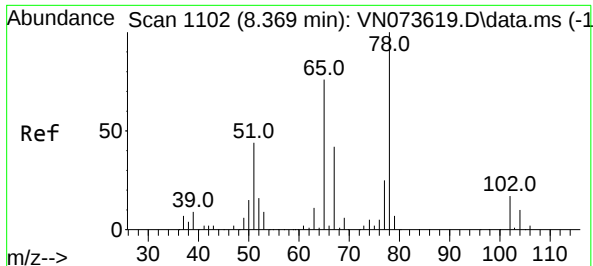
Ion Ratio Lower Upper

56 100

69 161.8 27.8 41.8#

84 146.3 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 36.896 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN073881.D

Acq: 13 Aug 2022 20:31

Instrument :

MSVOA_N

ClientSampleId :

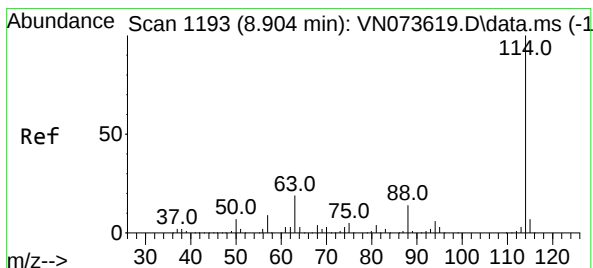
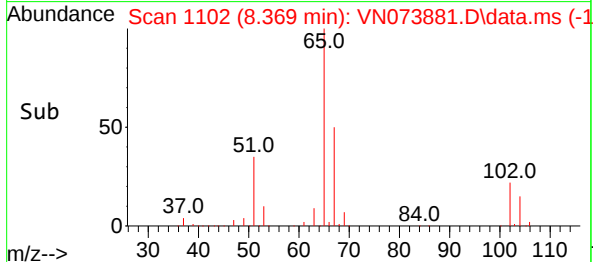
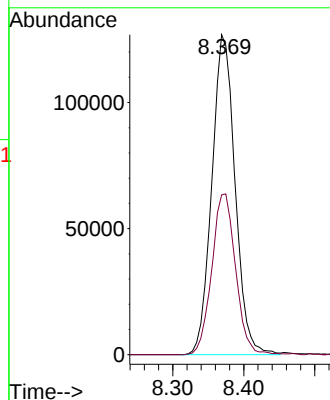
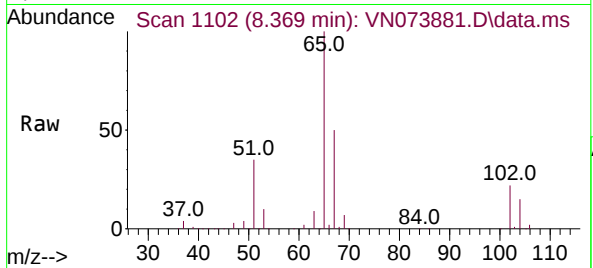
PB146976ZHE#07

Tgt Ion: 65 Resp: 288045

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073881.D

Acq: 13 Aug 2022 20:31

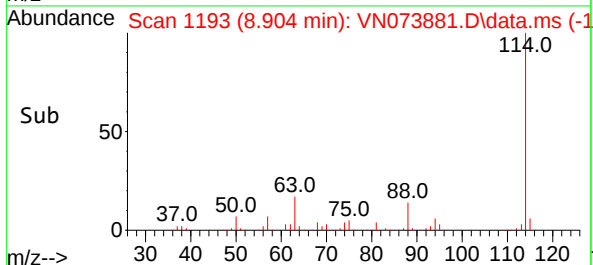
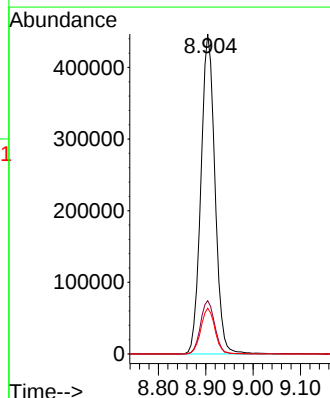
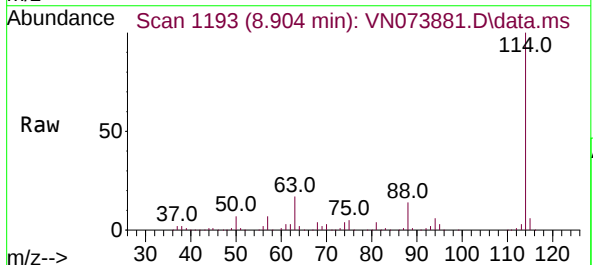
Tgt Ion: 114 Resp: 919559

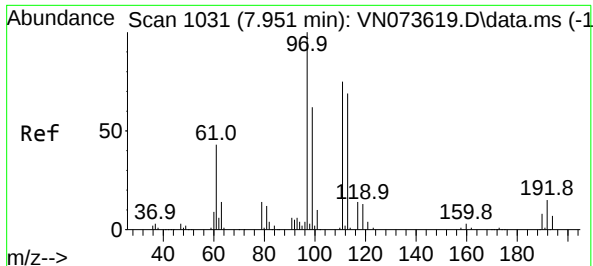
Ion Ratio Lower Upper

114 100

63 16.7 0.0 40.0

88 14.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.881 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073881.D

Acq: 13 Aug 2022 20:31

Instrument :

MSVOA_N

ClientSampleId :

PB146976ZHE#07

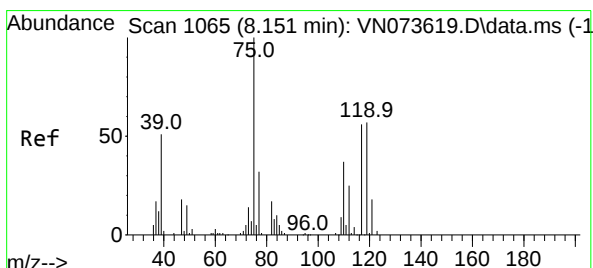
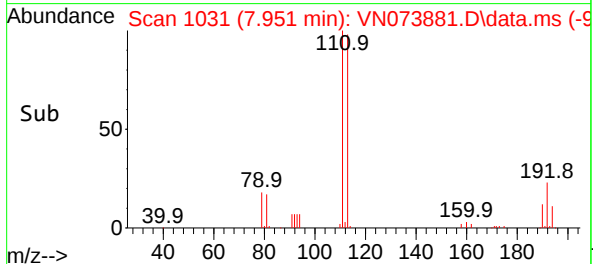
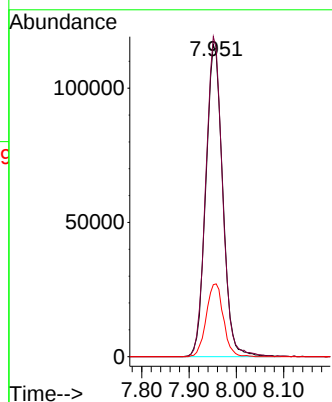
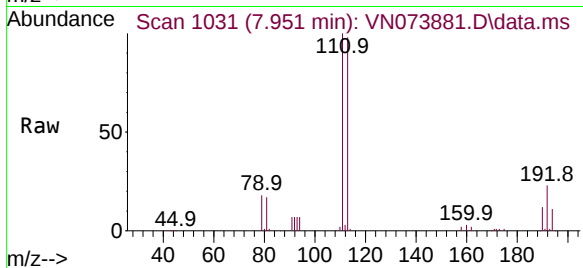
Tgt Ion:113 Resp: 288025

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

192 23.7 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.651 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073881.D

Acq: 13 Aug 2022 20:31

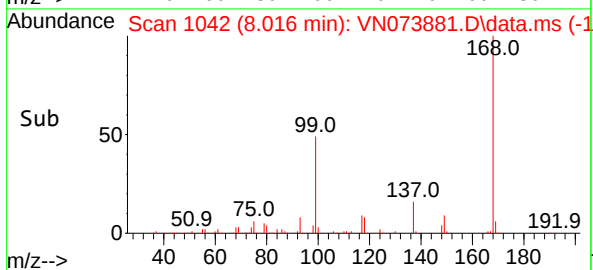
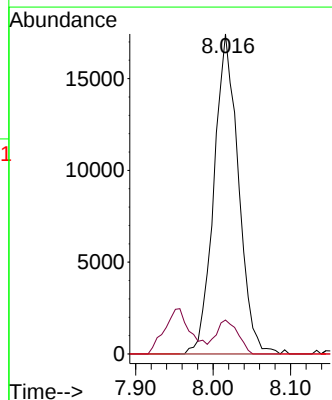
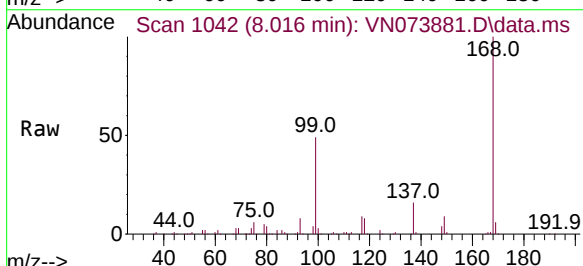
Tgt Ion: 75 Resp: 38275

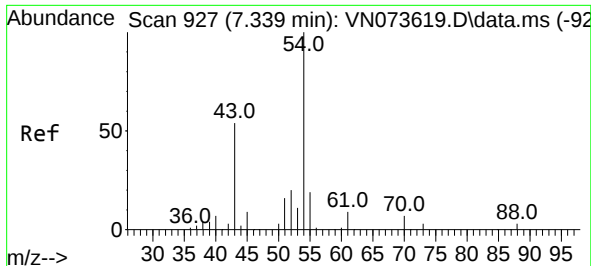
Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.8#

77 0.0 25.1 37.7#

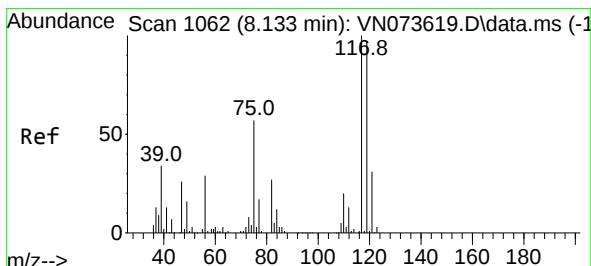
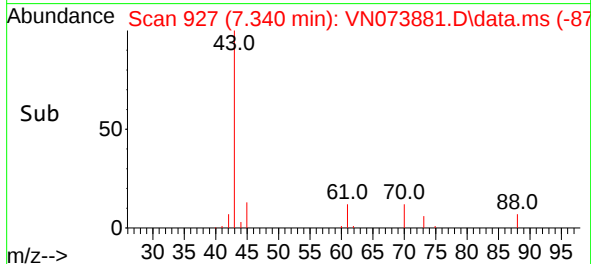
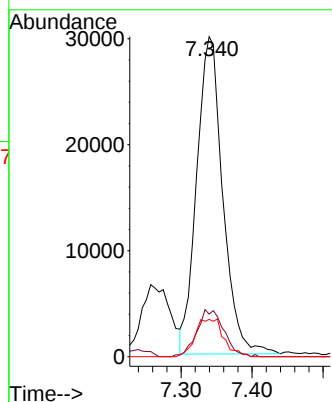
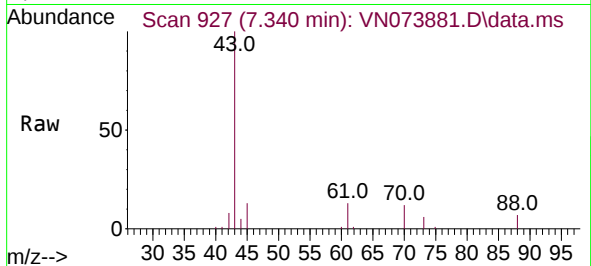




#37
Ethyl Acetate
Concen: 7.066 ug/l
RT: 7.340 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

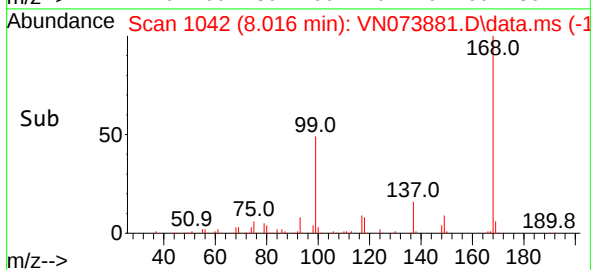
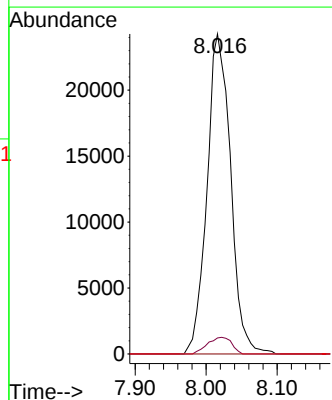
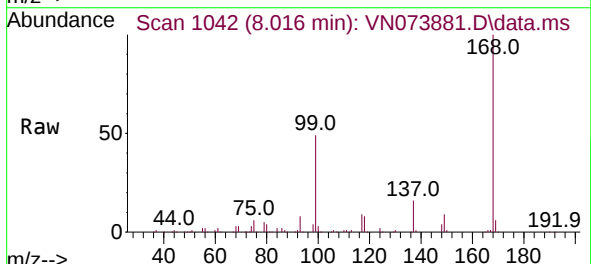
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

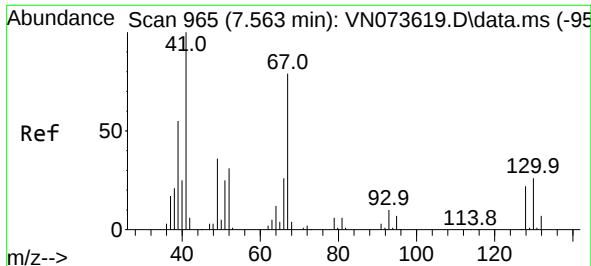
Tgt Ion:	43	Resp:	76585
Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.8	17.6
70	12.9	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.703 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

Tgt Ion:	117	Resp:	56023
Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.8	113.8#
121	0.0	24.6	37.0#

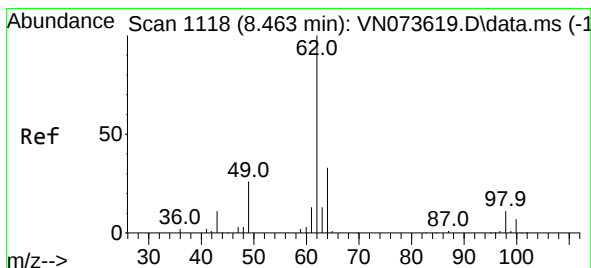
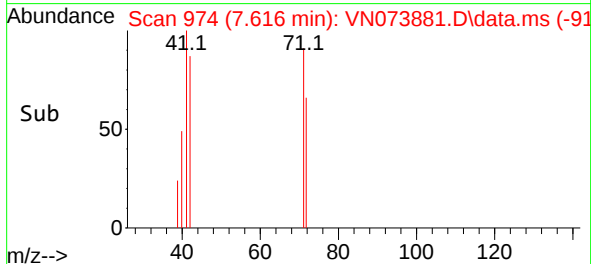
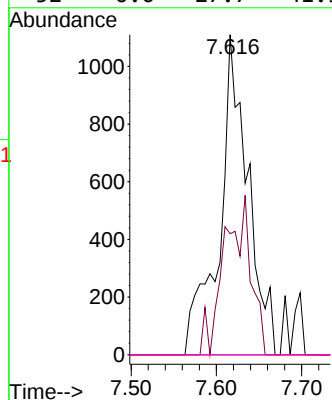
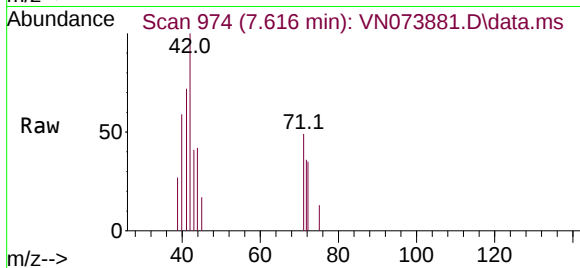




#41
Methacrylonitrile
Concen: 0.529 ug/l
RT: 7.616 min Scan# 91
Delta R.T. 0.053 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

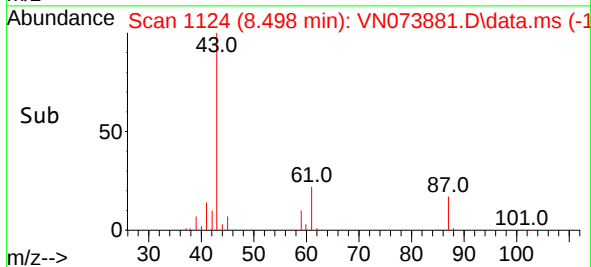
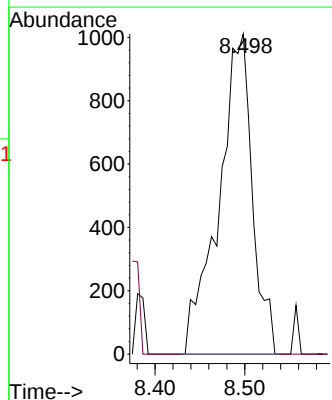
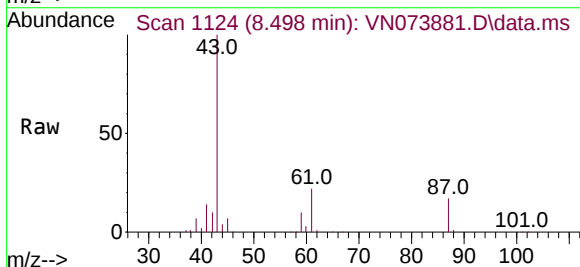
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

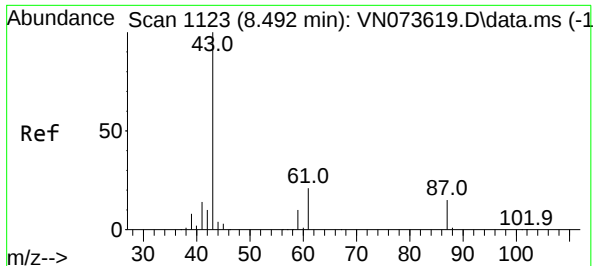
Tgt Ion: 41 Resp: 2593
Ion Ratio Lower Upper
41 100
39 46.5 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#



#42
1,2-Dichloroethane
Concen: 0.292 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.035 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

Tgt Ion: 62 Resp: 2629
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4





#43

Isopropyl Acetate

Concen: 29.741 ug/l

RT: 8.492 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN073881.D

Acq: 13 Aug 2022 20:31

Instrument :

MSVOA_N

ClientSampleId :

PB146976ZHE#07

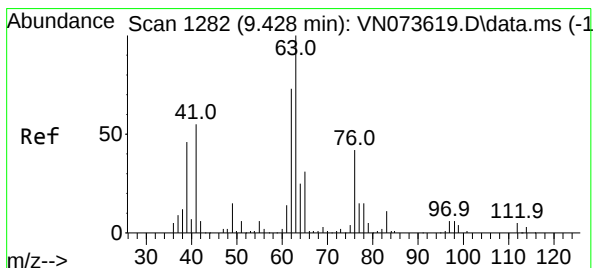
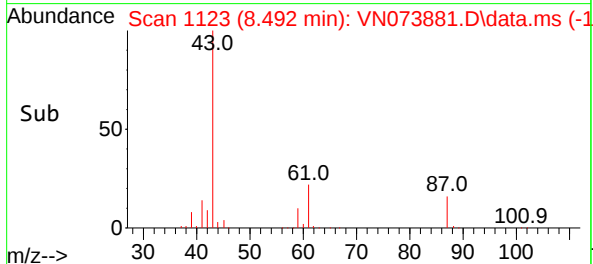
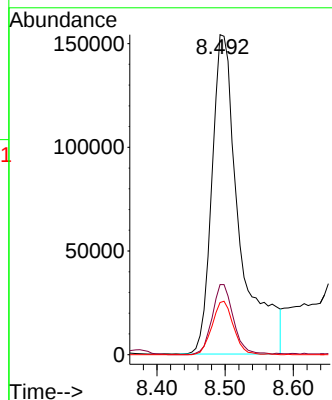
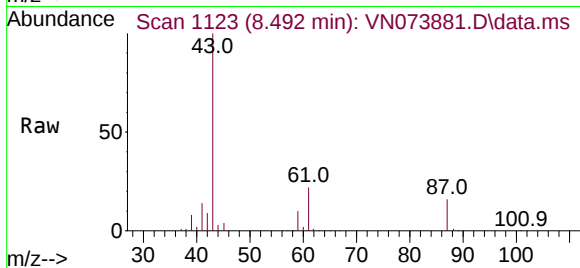
Tgt Ion: 43 Resp: 435383

Ion Ratio Lower Upper

43 100

61 16.9 21.9 32.9#

87 12.9 12.0 18.0



#45

1,2-Dichloropropane

Concen: 0.723 ug/l

RT: 9.563 min Scan# 1305

Delta R.T. 0.135 min

Lab File: VN073881.D

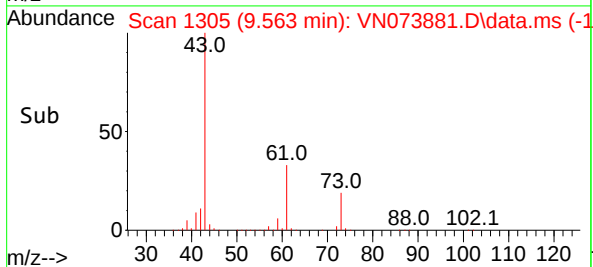
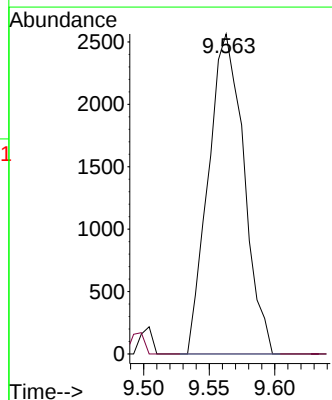
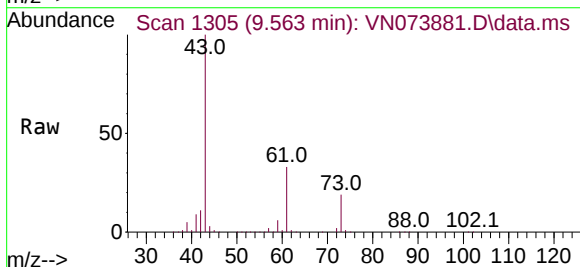
Acq: 13 Aug 2022 20:31

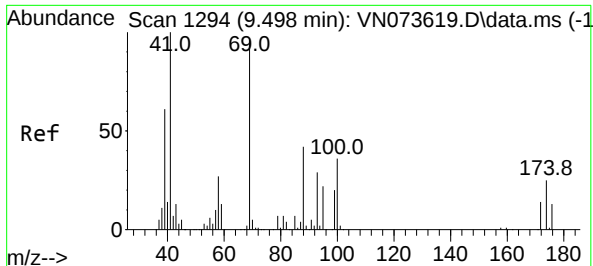
Tgt Ion: 63 Resp: 4829

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#

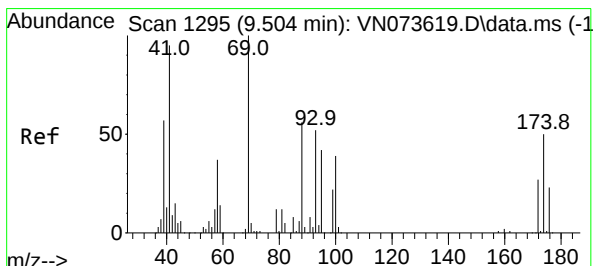
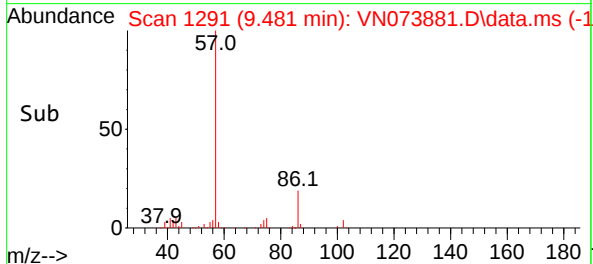
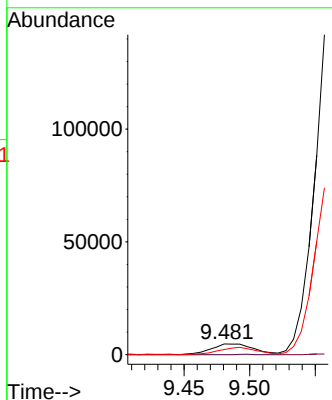
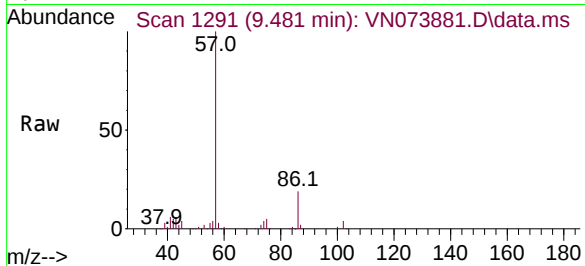




#48
Methyl methacrylate
Concen: 1.704 ug/l
RT: 9.481 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

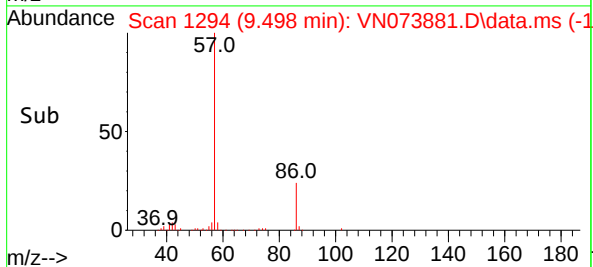
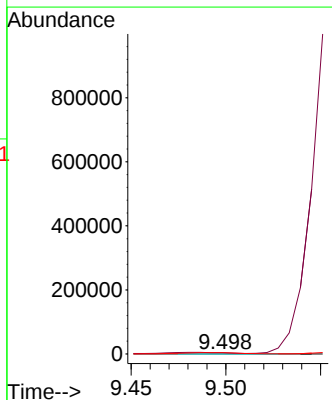
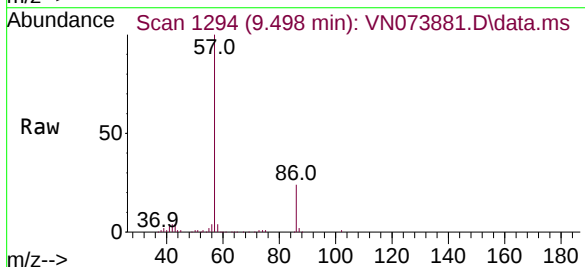
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

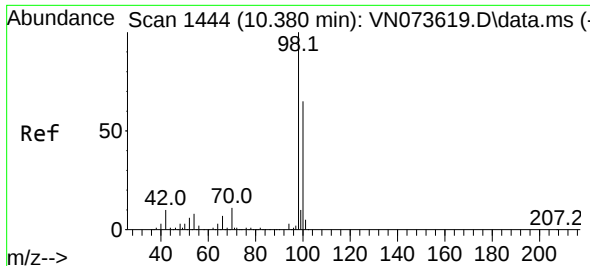
Tgt Ion: 41 Resp: 10919
Ion Ratio Lower Upper
41 100
69 1.3 74.7 112.1#
39 59.7 45.6 68.4



#49
1,4-Dioxane
Concen: 1.805 ug/l
RT: 9.498 min Scan# 1294
Delta R.T. -0.006 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

Tgt Ion: 88 Resp: 326
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 2714.1 54.2 81.4#

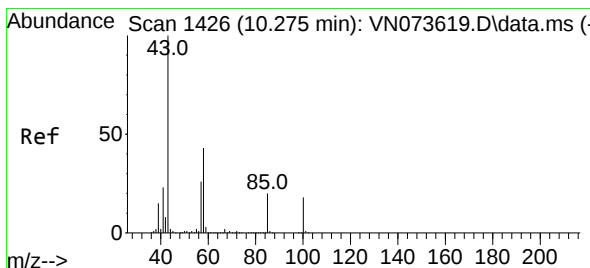
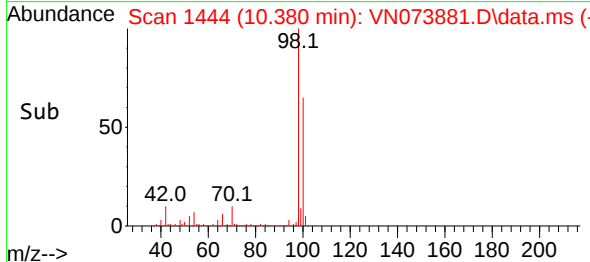
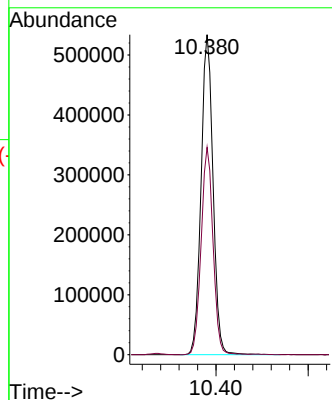
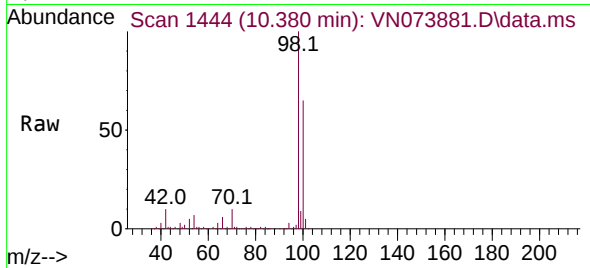




#50
Toluene-d8
Concen: 42.431 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

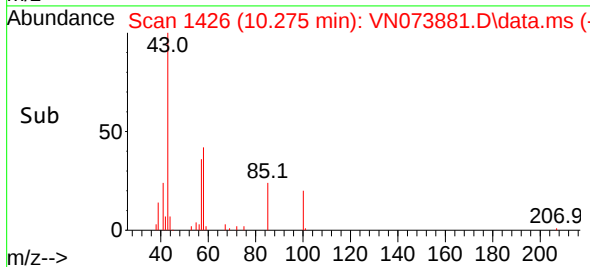
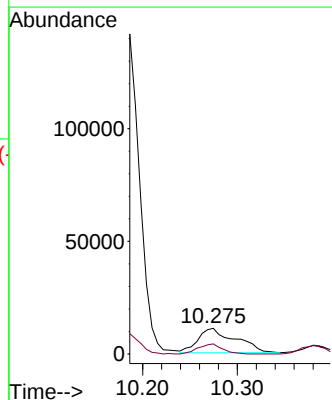
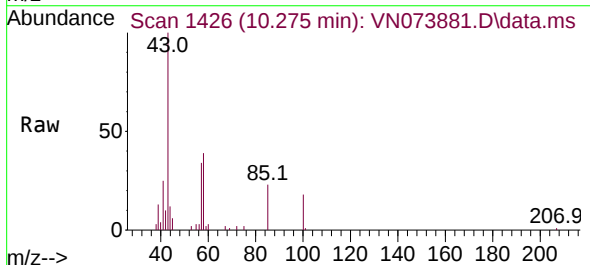
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

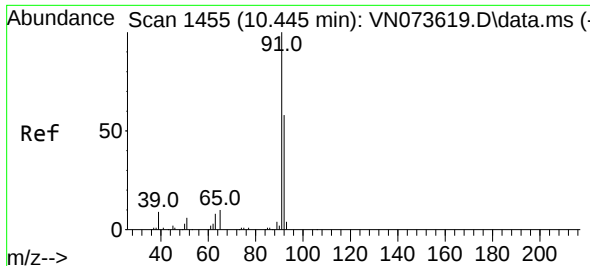
Tgt Ion: 98 Resp: 964141
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.852 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

Tgt Ion: 43 Resp: 29941
Ion Ratio Lower Upper
43 100
58 26.5 34.1 51.1#

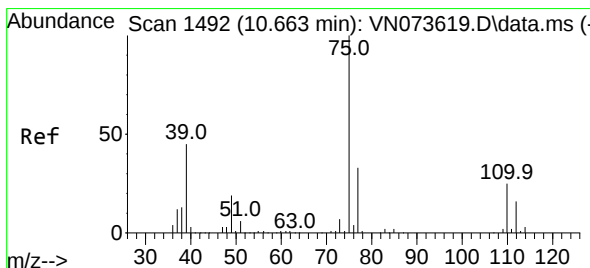
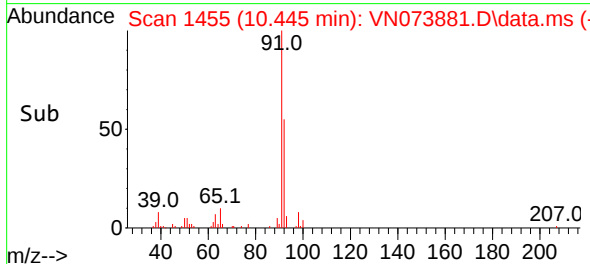
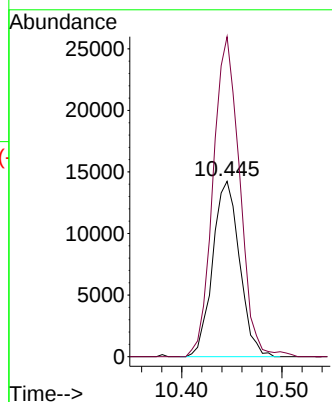
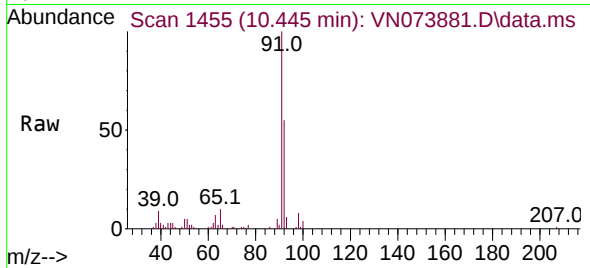




#52
Toluene
Concen: 1.626 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

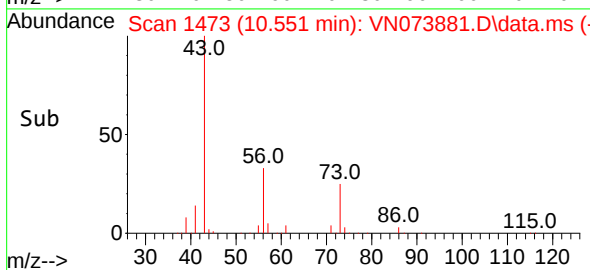
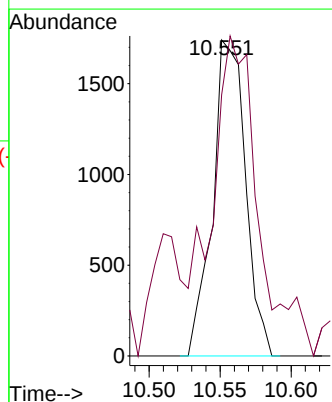
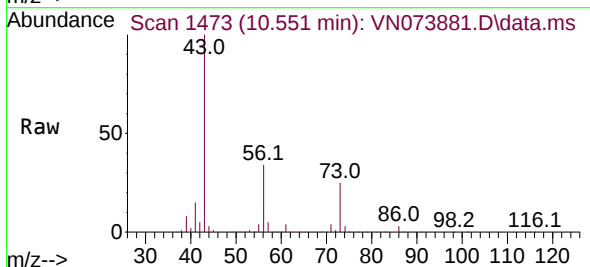
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

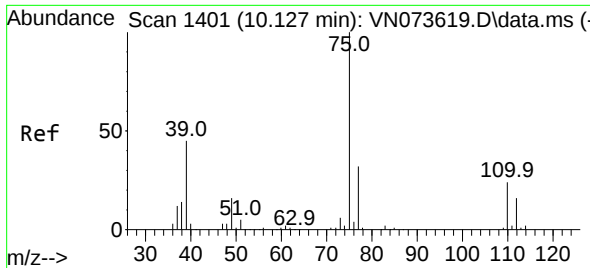
Tgt Ion: 92 Resp: 26542
Ion Ratio Lower Upper
92 100
91 180.8 138.6 207.8



#53
t-1,3-Dichloropropene
Concen: 0.318 ug/l
RT: 10.551 min Scan# 1473
Delta R.T. -0.112 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

Tgt Ion: 75 Resp: 2796
Ion Ratio Lower Upper
75 100
77 66.2 25.6 38.4#

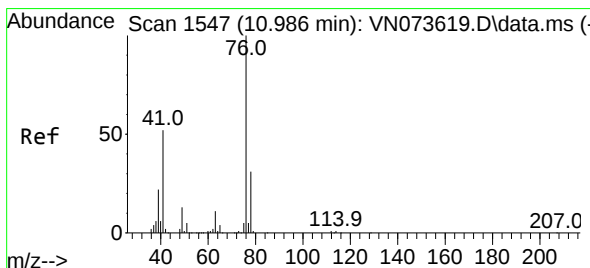
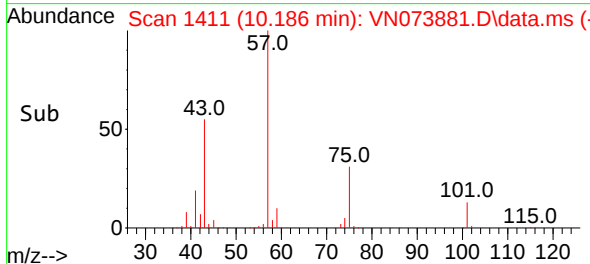
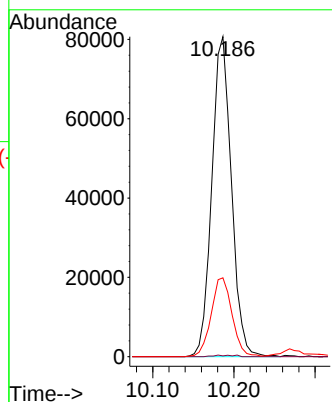
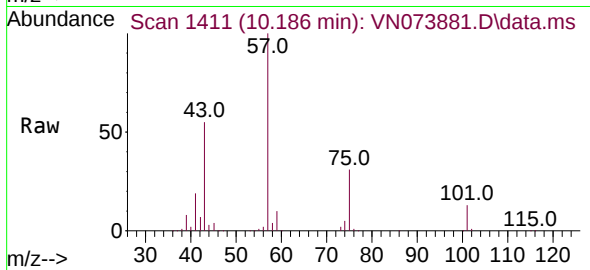




#54
 cis-1,3-Dichloropropene
 Concen: 13.652 ug/l
 RT: 10.186 min Scan# 14
 Delta R.T. 0.059 min
 Lab File: VN073881.D
 Acq: 13 Aug 2022 20:31

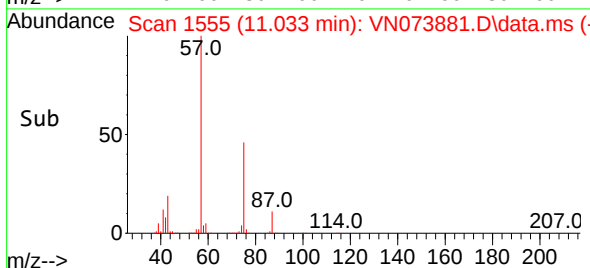
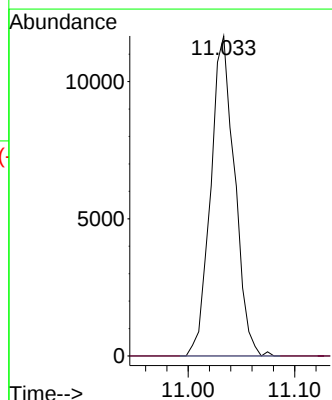
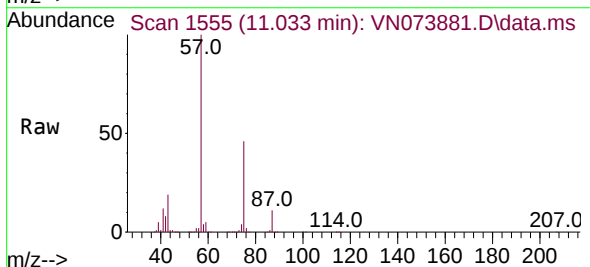
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#07

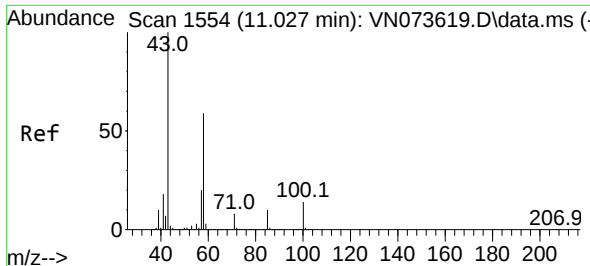
Tgt Ion: 75 Resp: 135233
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.2 37.8#
 39 24.6 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.581 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073881.D
 Acq: 13 Aug 2022 20:31

Tgt Ion: 76 Resp: 18254
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

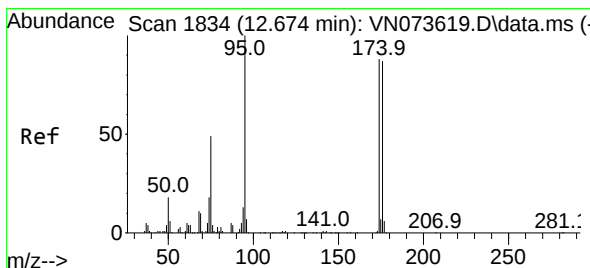
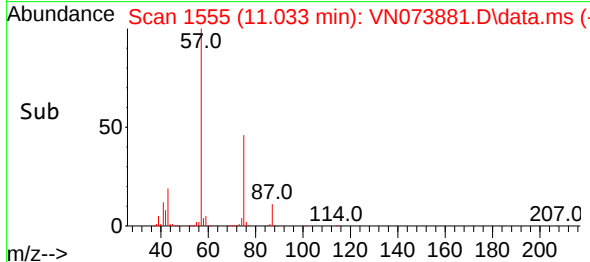
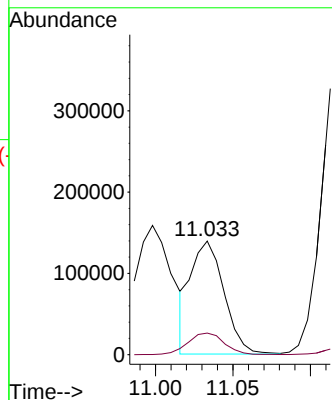
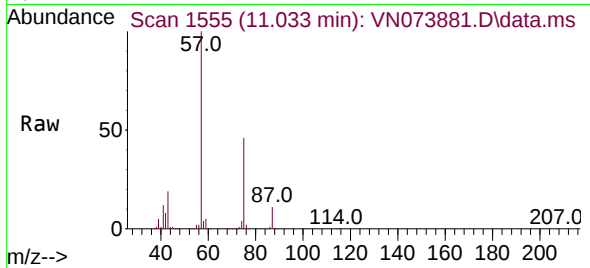




#59
2-Hexanone
Concen: 26.138 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

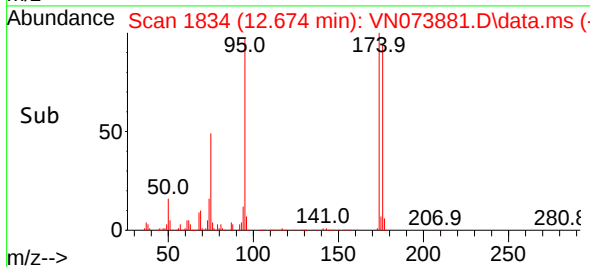
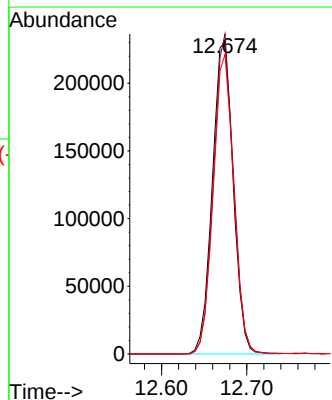
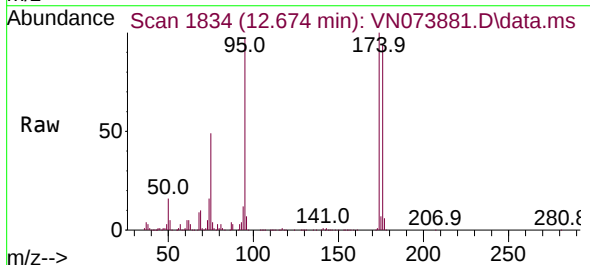
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

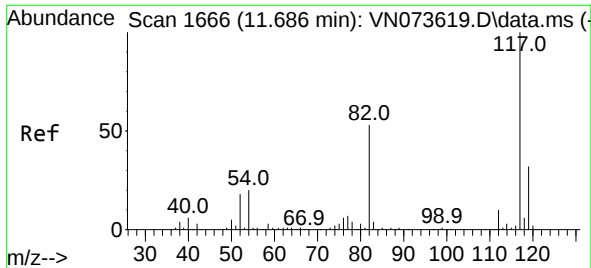
Tgt Ion: 43 Resp: 207928
Ion Ratio Lower Upper
43 100
58 21.1 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 49.350 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

Tgt Ion: 95 Resp: 393346
Ion Ratio Lower Upper
95 100
174 99.1 0.0 167.6
176 94.3 0.0 163.4

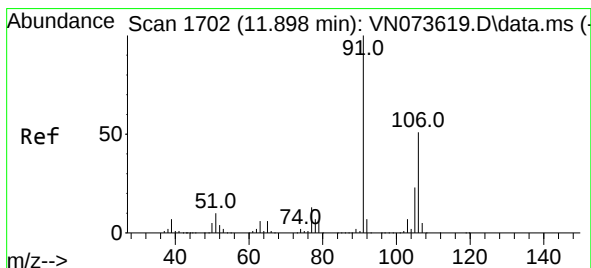
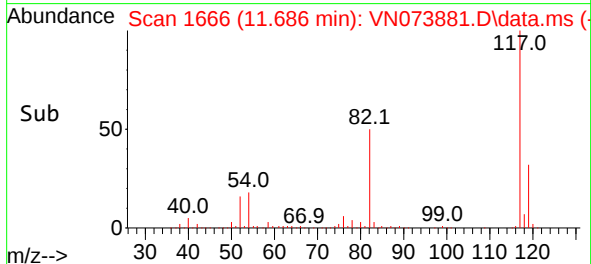
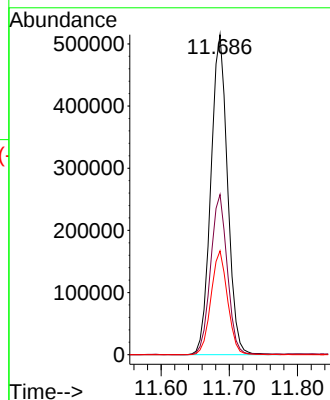
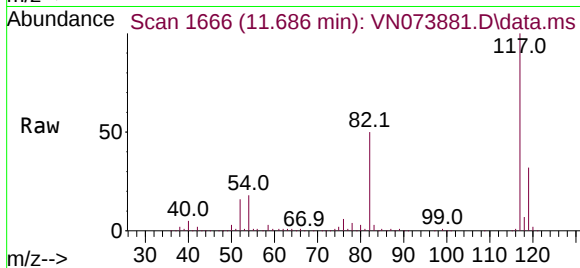




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

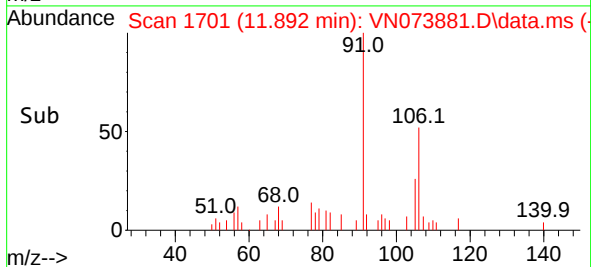
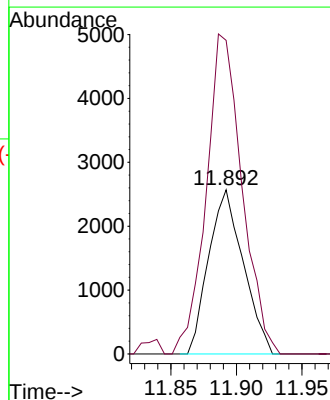
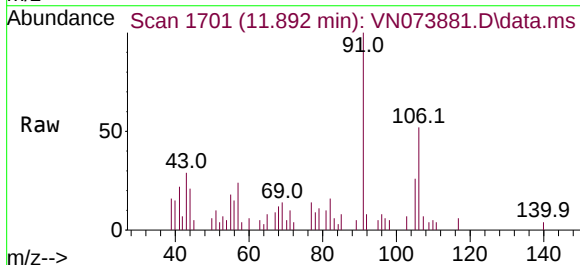
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

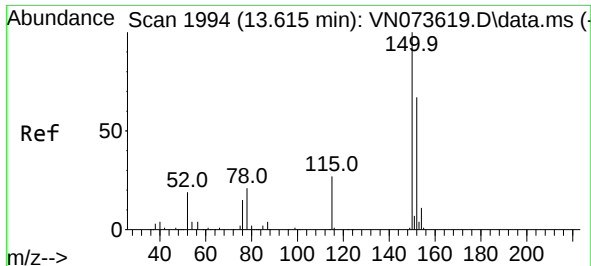
Tgt Ion:117 Resp: 876805
Ion Ratio Lower Upper
117 100
82 50.0 44.2 66.2
119 32.5 25.4 38.0



#68
m/p-Xylenes
Concen: 0.394 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

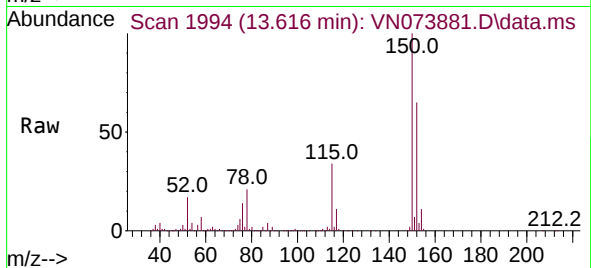
Tgt Ion:106 Resp: 4724
Ion Ratio Lower Upper
106 100
91 201.4 158.9 238.3



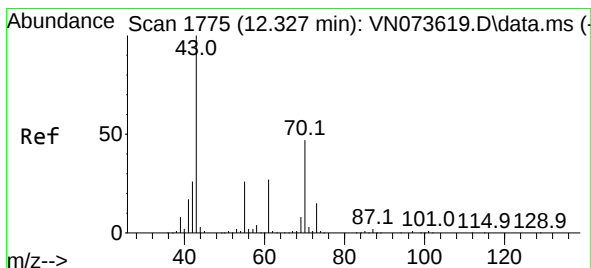
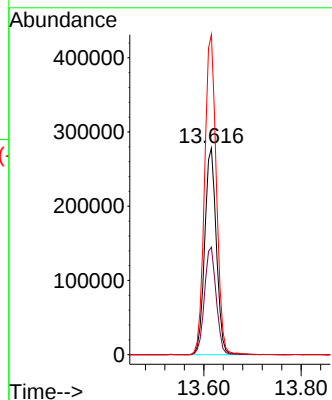
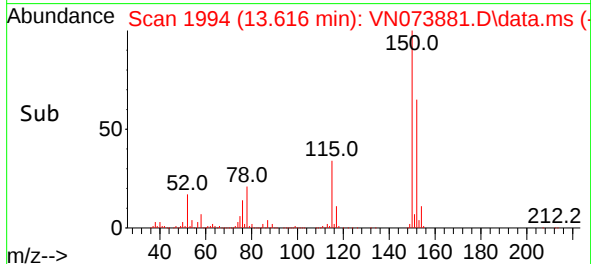


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

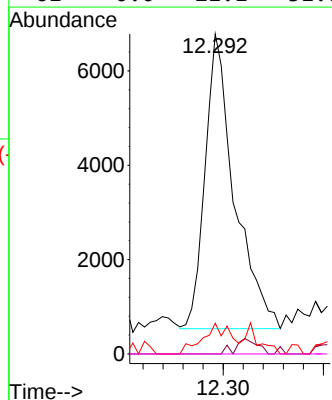
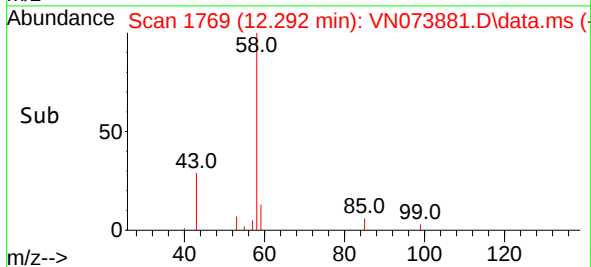
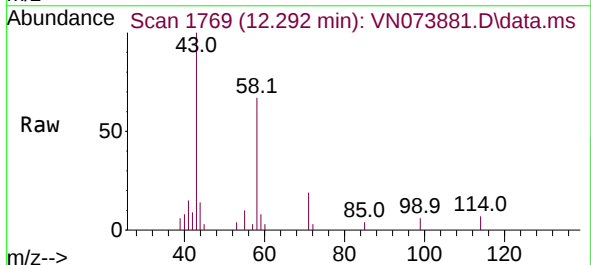


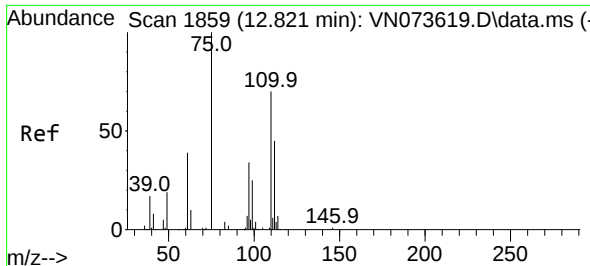
Tgt Ion:152 Resp: 459415
Ion Ratio Lower Upper
152 100
115 52.5 28.9 86.7
150 156.8 0.0 356.2



#74
N-ethyl acetate
Concen: 1.004 ug/l
RT: 12.292 min Scan# 1769
Delta R.T. -0.035 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

Tgt Ion: 43 Resp: 12759
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 9.8 21.1 31.7#
61 0.0 21.1 31.7#

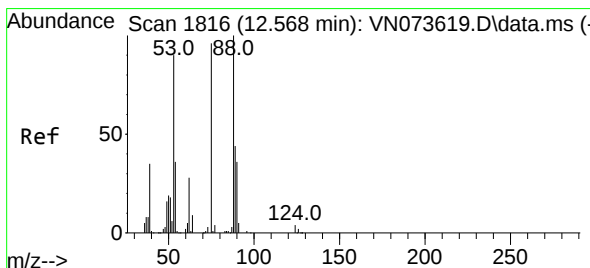
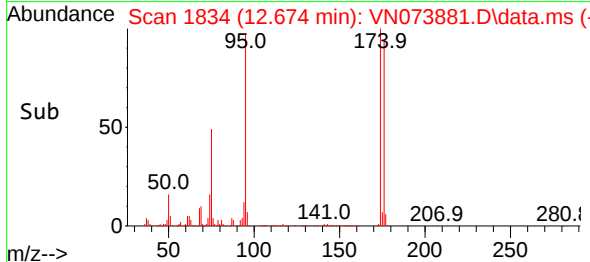
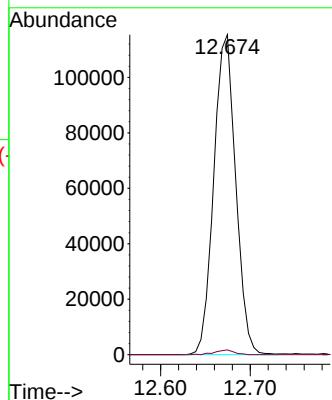
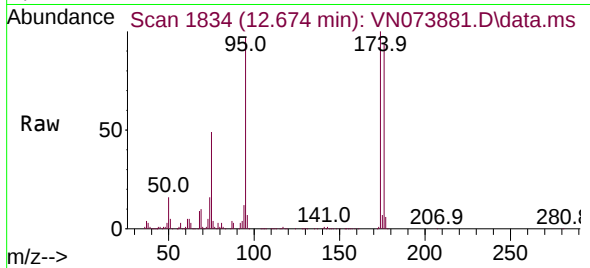




#76
1,2,3-Trichloropropane
Concen: 21.416 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

Tgt Ion: 75 Resp: 195750
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.218 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073881.D
Acq: 13 Aug 2022 20:31

Tgt Ion: 75 Resp: 195750
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

