

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083122\
 Data File : VN074204.D
 Acq On : 31 Aug 2022 10:10
 Operator : JC\MD
 Sample : VN0831MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 01 00:20:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

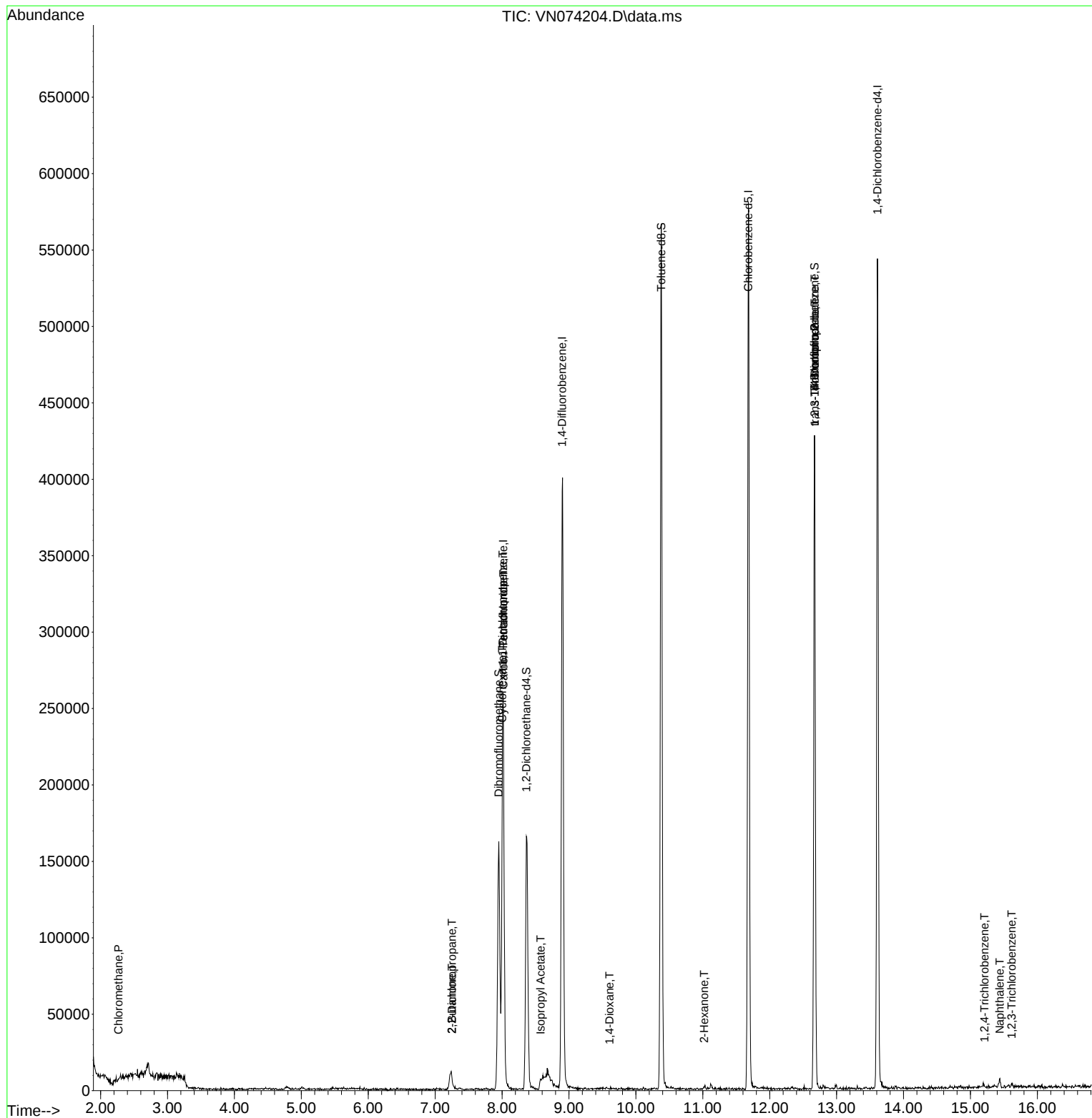
Internal Standards						
1) Pentafluorobenzene	8.016	168	180655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	334409	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	309173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	133694	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	135591	48.384	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.760%
35) Dibromofluoromethane	7.951	113	113620	52.213	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.420%
50) Toluene-d8	10.380	98	364489	42.533	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	85.060%#
62) 4-Bromofluorobenzene	12.669	95	137147	52.626	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.260%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	702	0.267	ug/l #	84
6) Chloroethane	2.963	64	253	Below Cal	#	42
11) Tert butyl alcohol	5.275	59	57	Below Cal	#	72
18) Methyl Acetate	4.775	43	3282	Below Cal	#	58
20) Methylene Chloride	5.010	84	849	Below Cal	#	41
25) 2-Butanone	7.251	43	1192	0.398	ug/l #	45
26) 2,2-Dichloropropane	7.251	77	653	0.480	ug/l #	53
31) Cyclohexane	8.004	56	5732	1.238	ug/l #	87
36) 1,1-Dichloropropene	8.010	75	18510	5.243	ug/l #	50
38) Carbon Tetrachloride	8.022	117	18869	5.885	ug/l #	18
43) Isopropyl Acetate	8.575	43	4392	0.553	ug/l #	53
49) 1,4-Dioxane	9.604	88	56	0.688	ug/l #	1
59) 2-Hexanone	11.022	43	1789	0.409	ug/l	70
71) Bromoform	12.669	173	1498	0.715	ug/l #	1
76) 1,2,3-Trichloropropane	12.674	75	76281	22.779	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	76281	59.223	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.210	180	891	0.362	ug/l #	12
95) Naphthalene	15.439	128	3986	1.535	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.615	180	608	0.238	ug/l #	51

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

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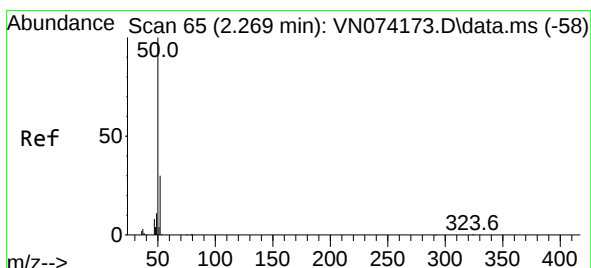
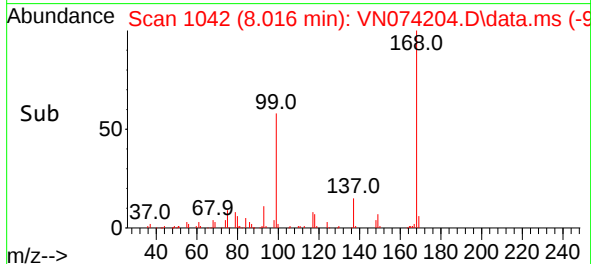
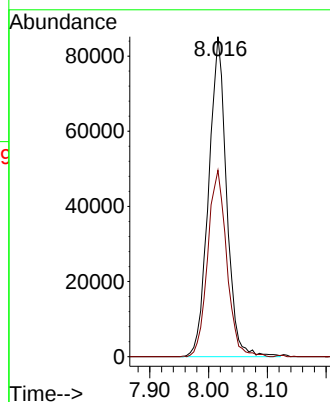
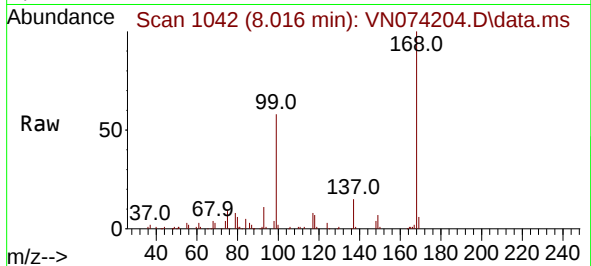




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074204.D
Acq: 31 Aug 2022 10:10

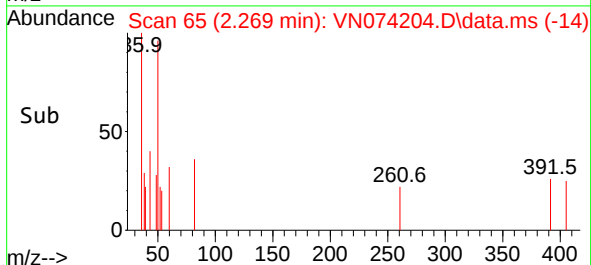
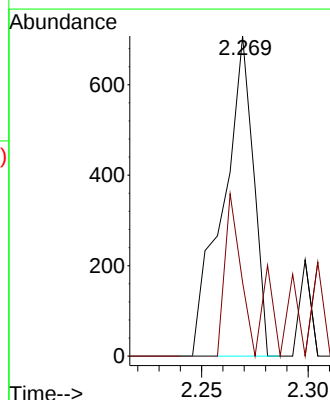
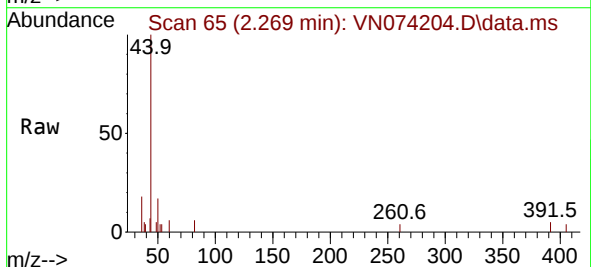
Instrument :
MSVOA_N
ClientSampleId :

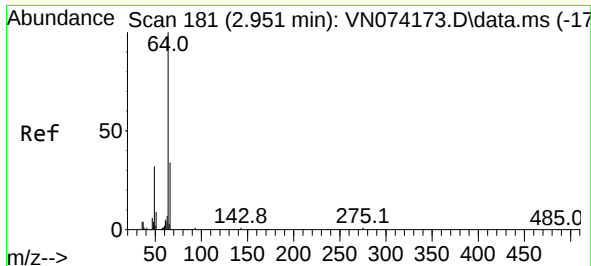
Tgt Ion:168 Resp: 180655
Ion Ratio Lower Upper
168 100
99 58.2 42.3 63.5



#3
Chloromethane
Concen: 0.267 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074204.D
Acq: 31 Aug 2022 10:10

Tgt Ion: 50 Resp: 702
Ion Ratio Lower Upper
50 100
52 23.0 25.7 38.5#

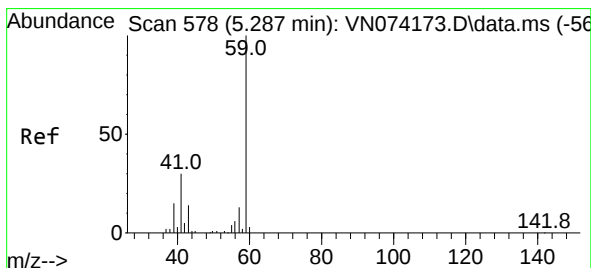
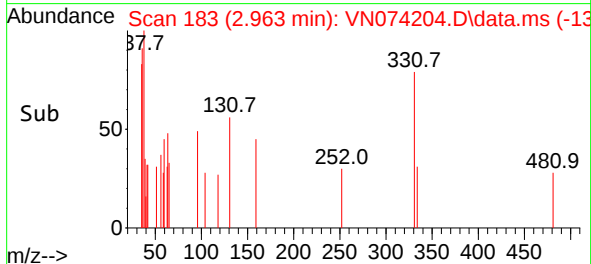
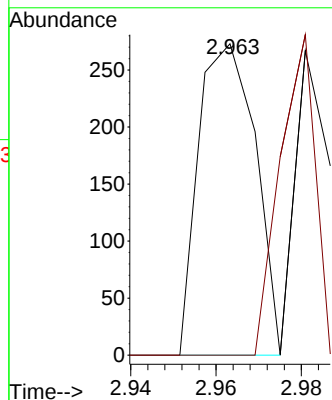
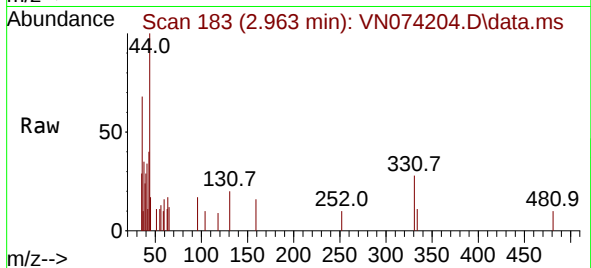




#6
Chloroethane
Concen: Below Cal
RT: 2.963 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN074204.D
Acq: 31 Aug 2022 10:10

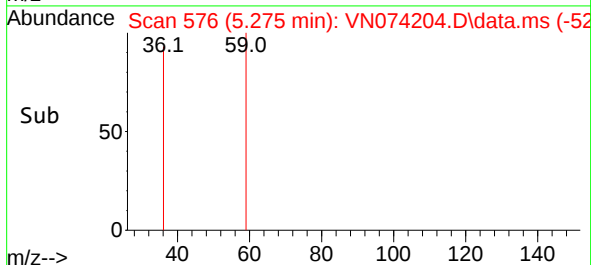
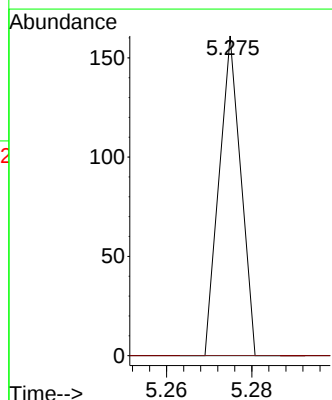
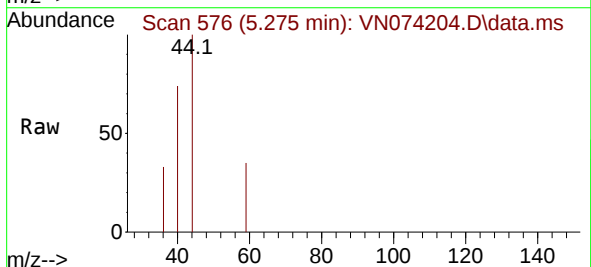
Instrument :
MSVOA_N
ClientSampleId :

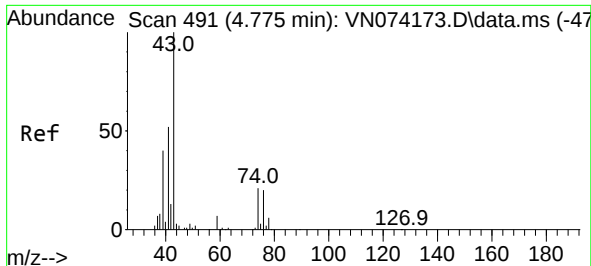
Tgt Ion: 64 Resp: 253
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.275 min Scan# 576
Delta R.T. -0.012 min
Lab File: VN074204.D
Acq: 31 Aug 2022 10:10

Tgt Ion: 59 Resp: 57
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

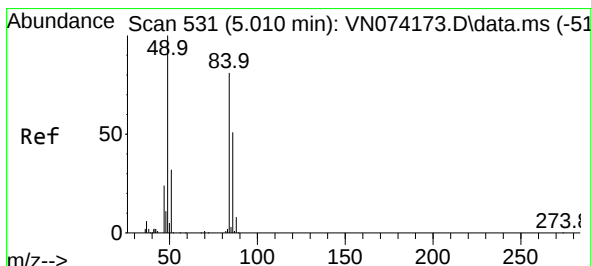
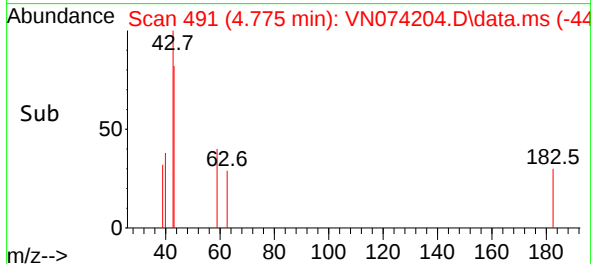
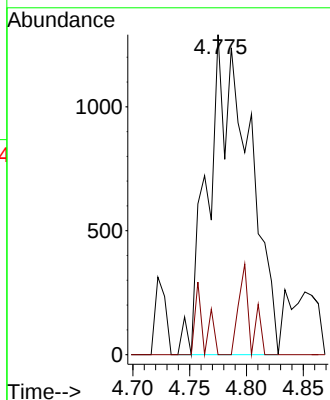
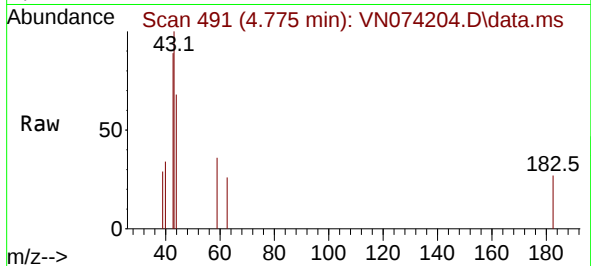




#18
Methyl Acetate
Concen: Below Cal
RT: 4.775 min Scan# 491
Delta R.T. -0.000 min
Lab File: VN074204.D
Acq: 31 Aug 2022 10:10

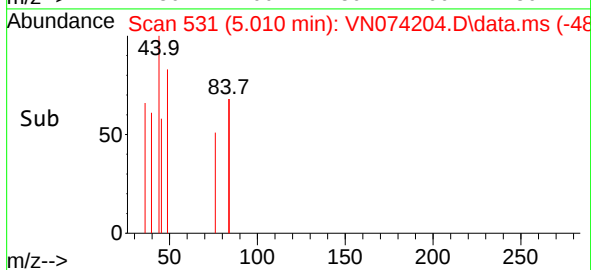
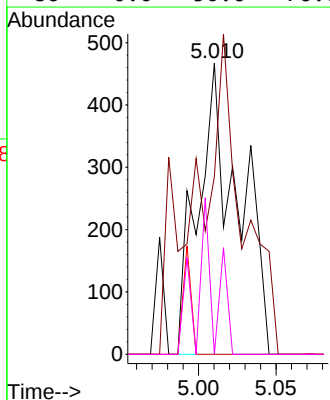
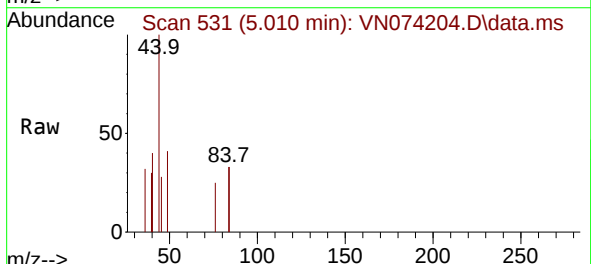
Instrument :
MSVOA_N
ClientSampleId :

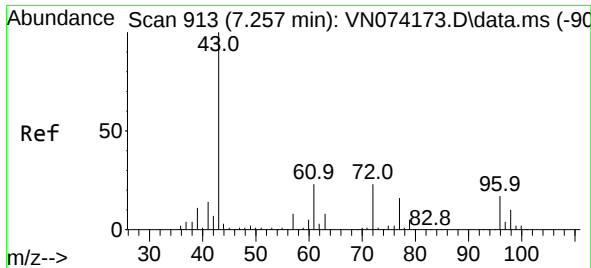
Tgt Ion: 43 Resp: 3282
Ion Ratio Lower Upper
43 100
74 5.1 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN074204.D
Acq: 31 Aug 2022 10:10

Tgt Ion: 84 Resp: 849
Ion Ratio Lower Upper
84 100
49 61.0 88.3 132.5#
51 0.0 28.2 42.2#
86 0.0 50.6 76.0#

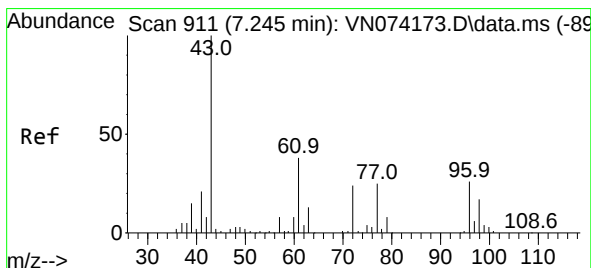
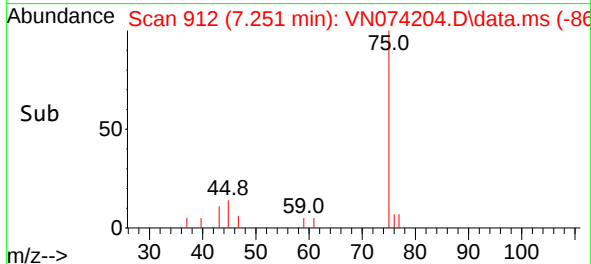
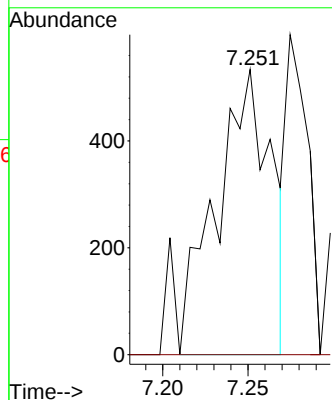
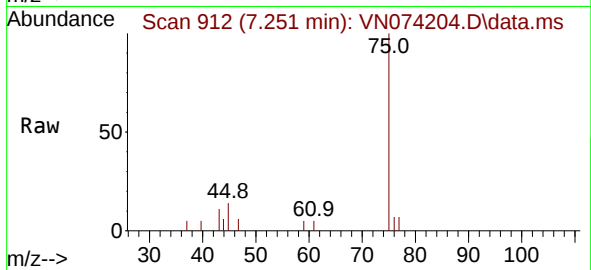




#25
2-Butanone
Concen: 0.398 ug/l
RT: 7.251 min Scan# 912
Delta R.T. -0.006 min
Lab File: VN074204.D
Acq: 31 Aug 2022 10:10

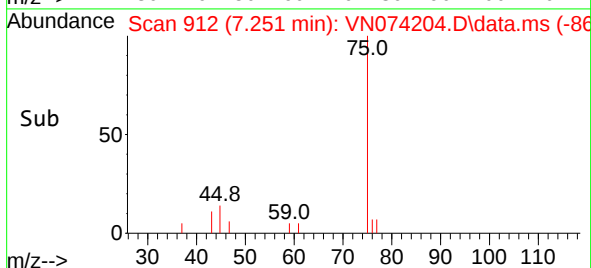
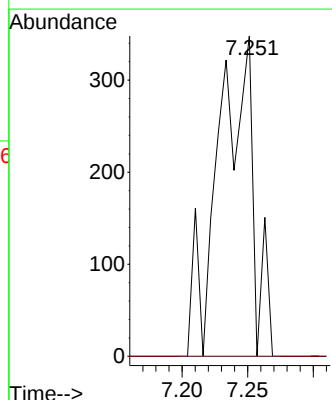
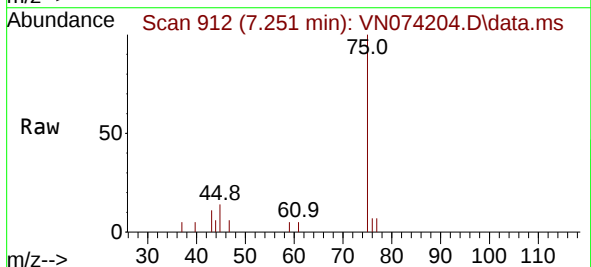
Instrument :
MSVOA_N
ClientSampleId :

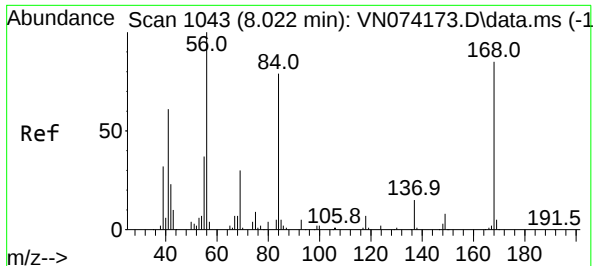
Tgt Ion: 43 Resp: 1192
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.480 ug/l
RT: 7.251 min Scan# 912
Delta R.T. 0.006 min
Lab File: VN074204.D
Acq: 31 Aug 2022 10:10

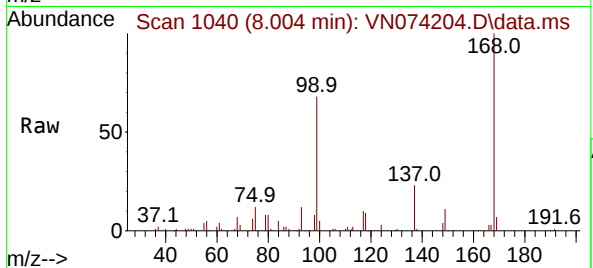
Tgt Ion: 77 Resp: 653
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



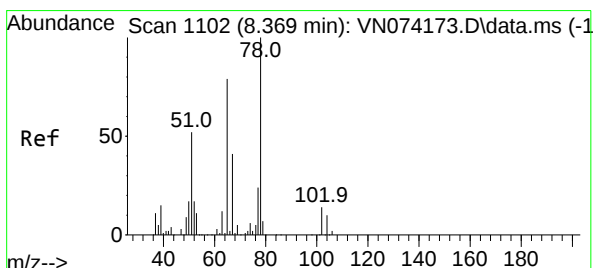
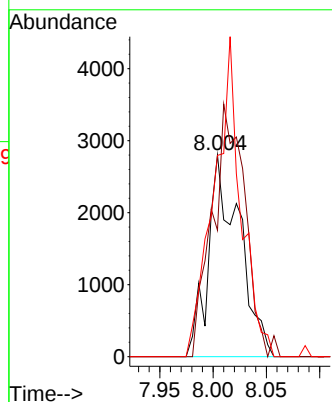
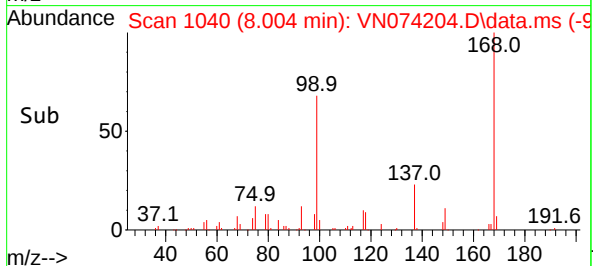


#31
Cyclohexane
Concen: 1.238 ug/l
RT: 8.004 min Scan# 1101
Delta R.T. -0.018 min
Lab File: VN074204.D
Acq: 31 Aug 2022 10:10

Instrument :
MSVOA_N
ClientSampleId :

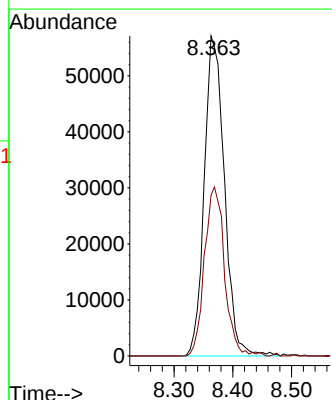
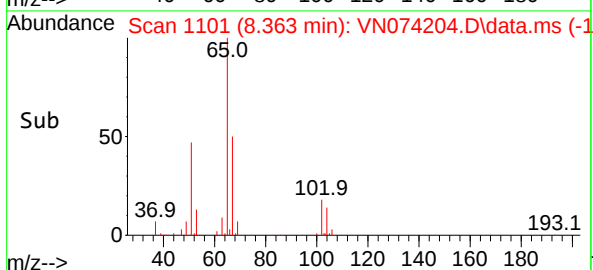
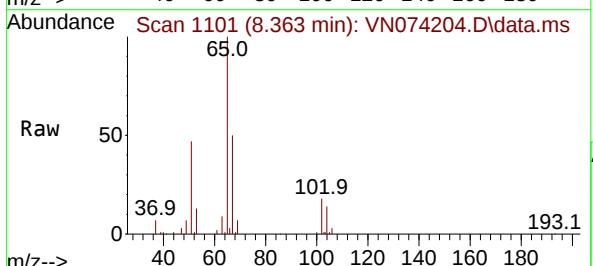


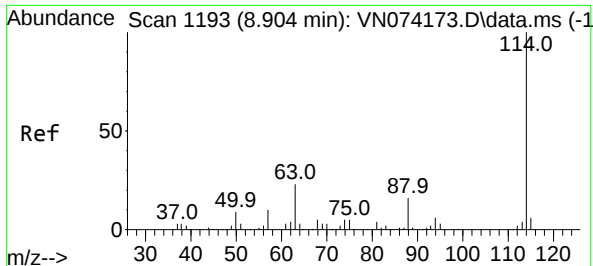
Tgt Ion: 56 Resp: 5732
Ion Ratio Lower Upper
56 100
69 59.1 27.8 41.8#
84 94.2 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 48.384 ug/l
RT: 8.363 min Scan# 1101
Delta R.T. -0.006 min
Lab File: VN074204.D
Acq: 31 Aug 2022 10:10

Tgt Ion: 65 Resp: 135591
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. -0.006 min

Lab File: VN074204.D

Acq: 31 Aug 2022 10:10

Instrument :

MSVOA_N

ClientSampleId :

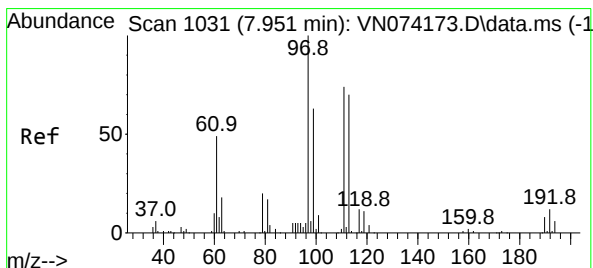
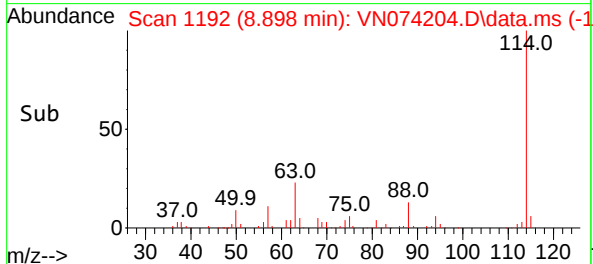
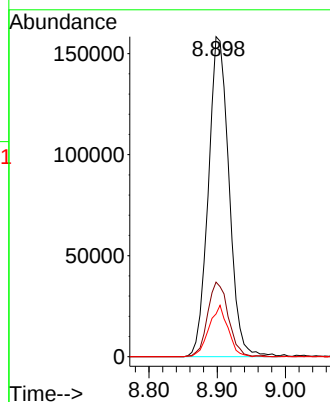
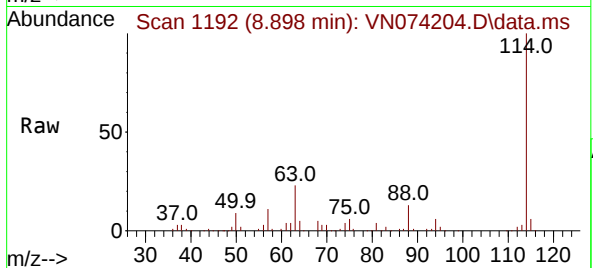
Tgt Ion:114 Resp: 334409

Ion Ratio Lower Upper

114 100

63 23.3 0.0 40.0

88 13.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.213 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074204.D

Acq: 31 Aug 2022 10:10

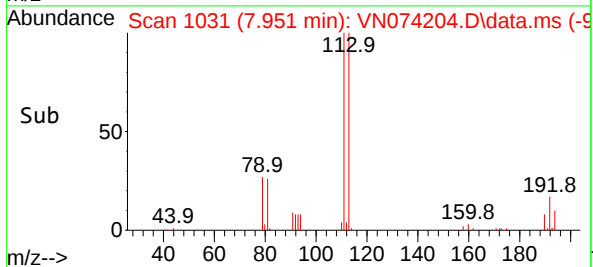
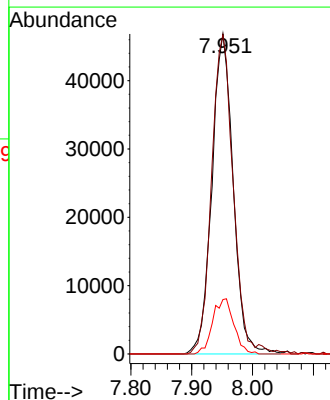
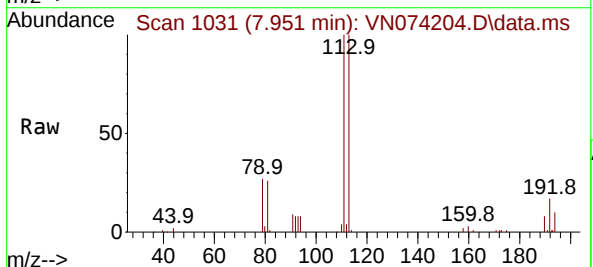
Tgt Ion:113 Resp: 113620

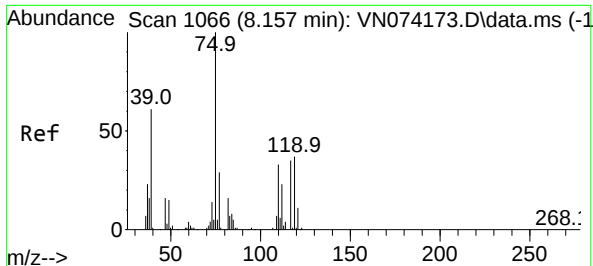
Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

192 17.2 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.243 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.147 min

Lab File: VN074204.D

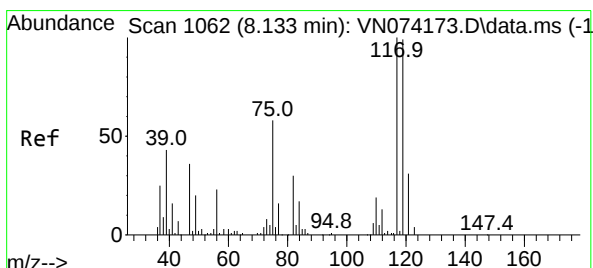
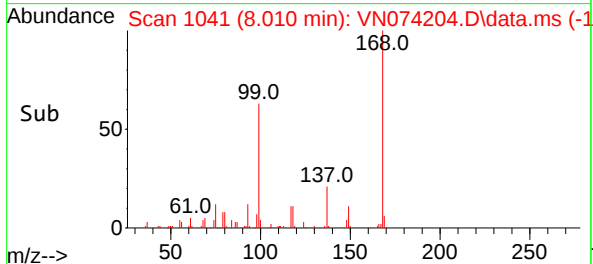
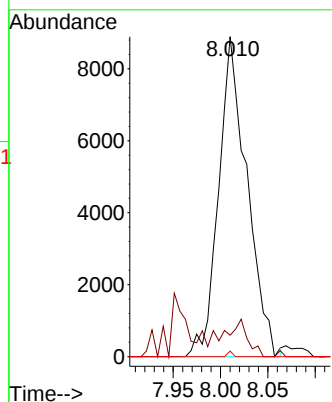
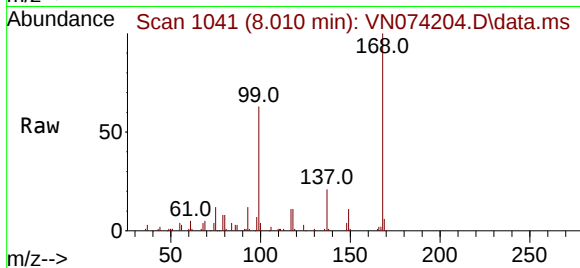
Acq: 31 Aug 2022 10:10

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	18510
Ion Ratio	Lower	Upper	
75	100		
110	10.2	18.3	54.8#
77	0.3	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 5.885 ug/l

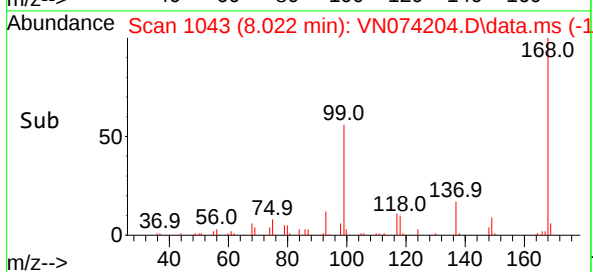
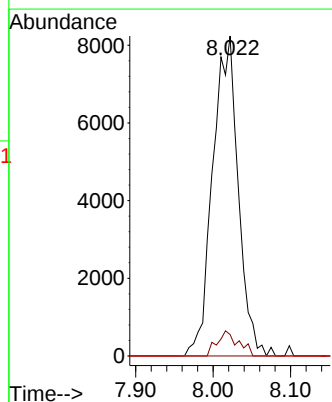
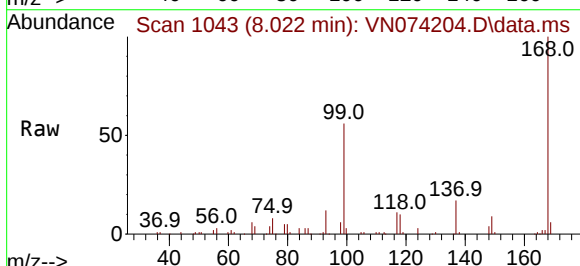
RT: 8.022 min Scan# 1043

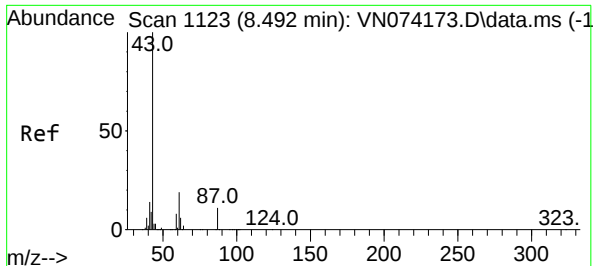
Delta R.T. -0.111 min

Lab File: VN074204.D

Acq: 31 Aug 2022 10:10

Tgt Ion:	117	Resp:	18869
Ion Ratio	Lower	Upper	
117	100		
119	6.7	75.8	113.8#
121	0.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 0.553 ug/l

RT: 8.575 min Scan# 1123

Delta R.T. 0.082 min

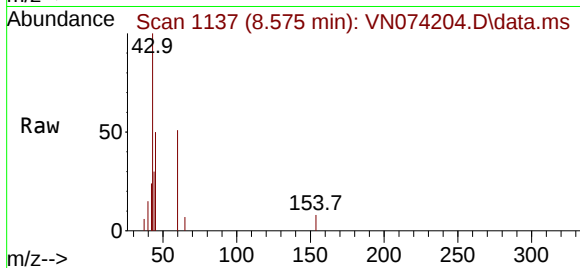
Lab File: VN074204.D

Acq: 31 Aug 2022 10:10

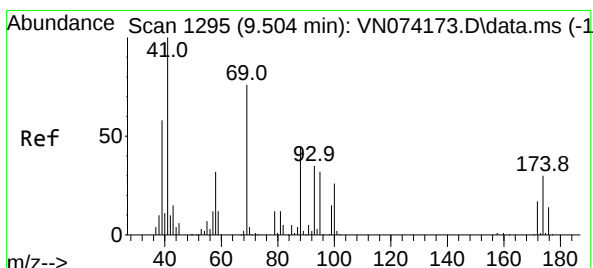
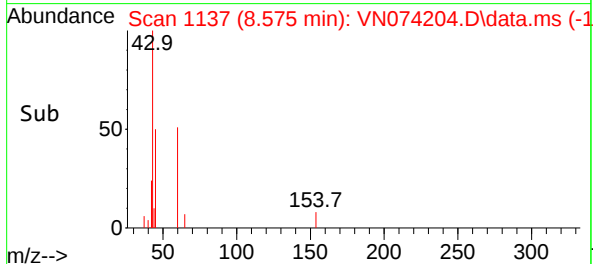
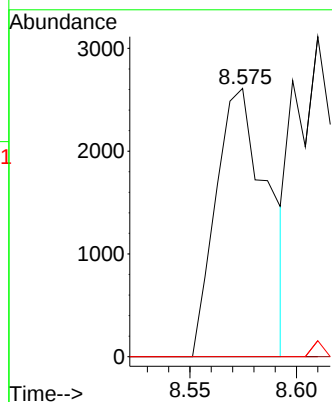
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	4392
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.9	32.9#
87	0.0	12.0	18.0#



#49

1,4-Dioxane

Concen: 0.688 ug/l

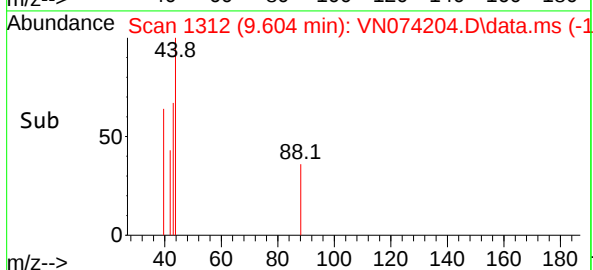
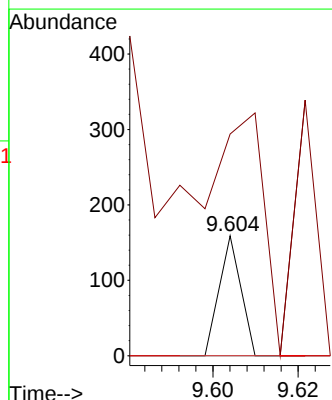
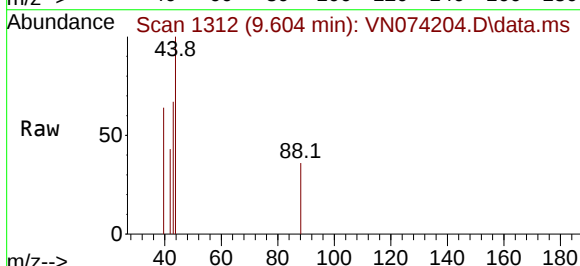
RT: 9.604 min Scan# 1312

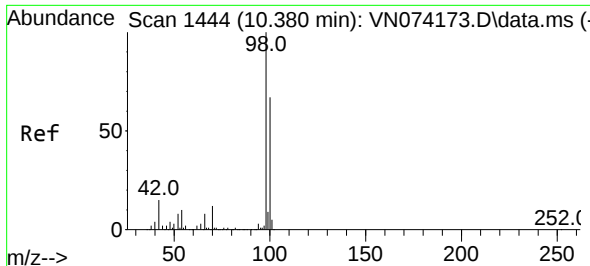
Delta R.T. 0.100 min

Lab File: VN074204.D

Acq: 31 Aug 2022 10:10

Tgt Ion:	88	Resp:	56
Ion	Ratio	Lower	Upper
88	100		
43	601.8	20.2	30.4#
58	0.0	54.2	81.4#

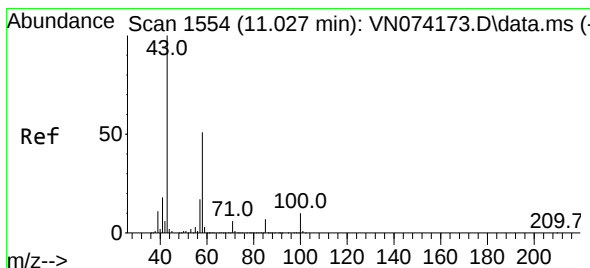
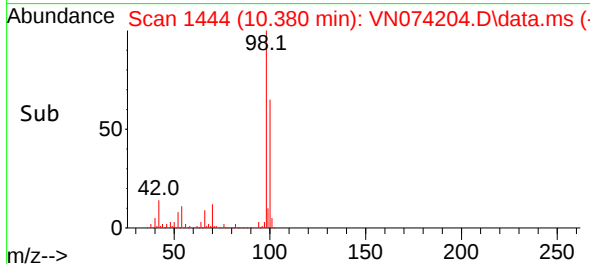
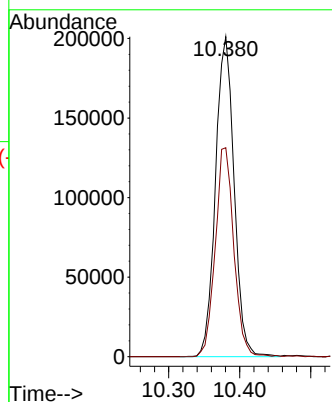
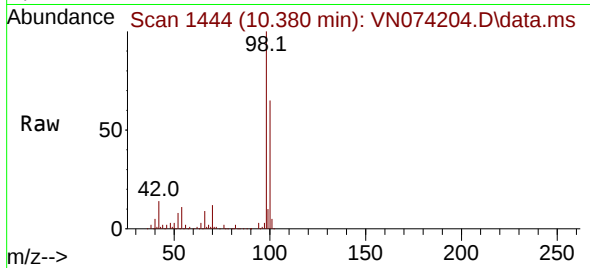




#50
Toluene-d8
Concen: 42.533 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074204.D
Acq: 31 Aug 2022 10:10

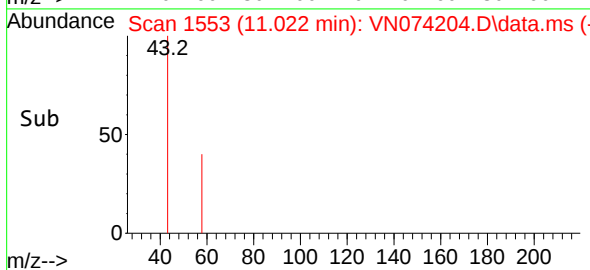
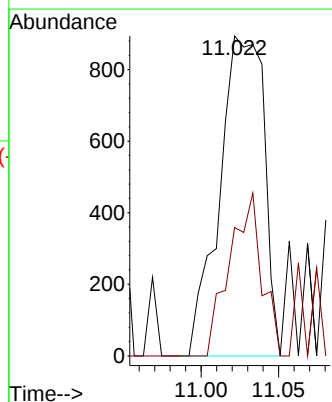
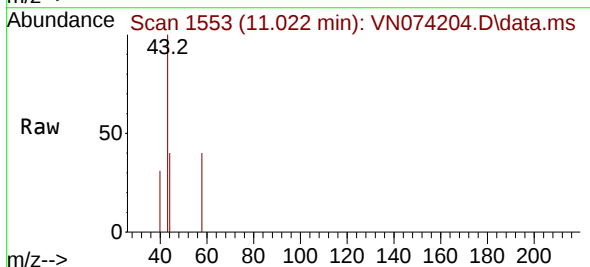
Instrument :
MSVOA_N
ClientSampleId :

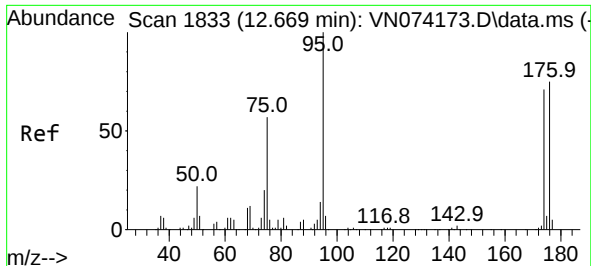
Tgt Ion: 98 Resp: 364489
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#59
2-Hexanone
Concen: 0.409 ug/l
RT: 11.022 min Scan# 1553
Delta R.T. -0.006 min
Lab File: VN074204.D
Acq: 31 Aug 2022 10:10

Tgt Ion: 43 Resp: 1789
Ion Ratio Lower Upper
43 100
58 36.8 29.7 89.1

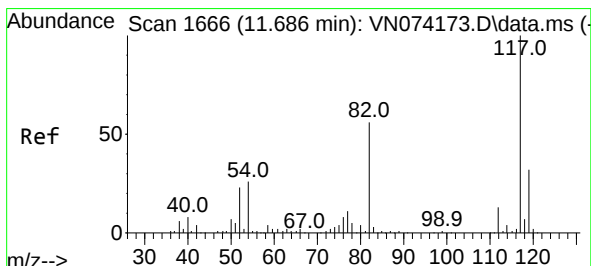
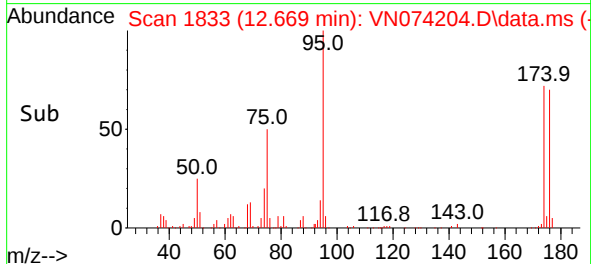
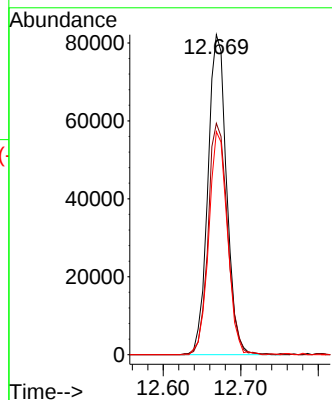
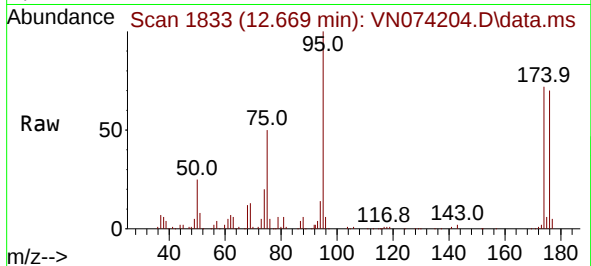




#62
4-Bromofluorobenzene
Concen: 52.626 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074204.D
Acq: 31 Aug 2022 10:10

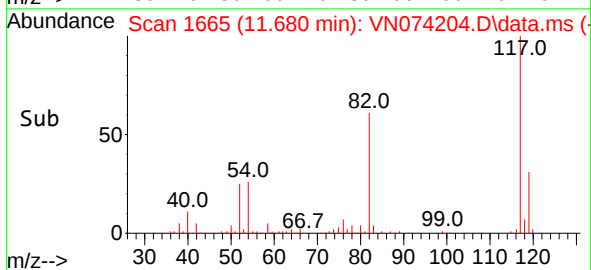
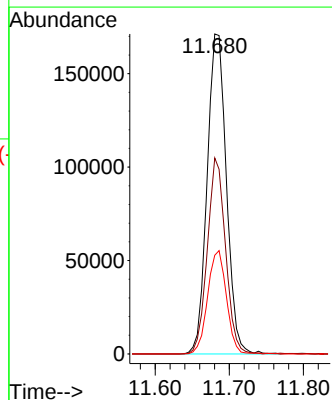
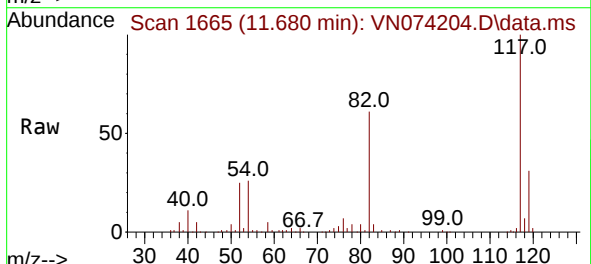
Instrument :
MSVOA_N
ClientSampleId :

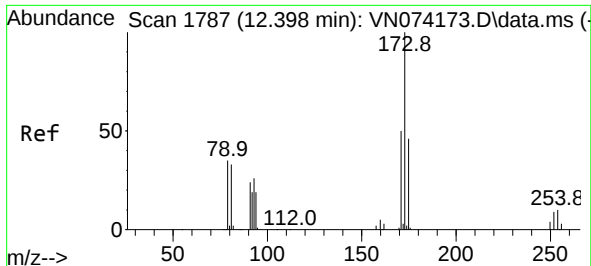
Tgt Ion: 95 Resp: 137147
Ion Ratio Lower Upper
95 100
174 75.2 0.0 167.6
176 69.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. -0.006 min
Lab File: VN074204.D
Acq: 31 Aug 2022 10:10

Tgt Ion: 117 Resp: 309173
Ion Ratio Lower Upper
117 100
82 61.3 44.2 66.2
119 30.9 25.4 38.0

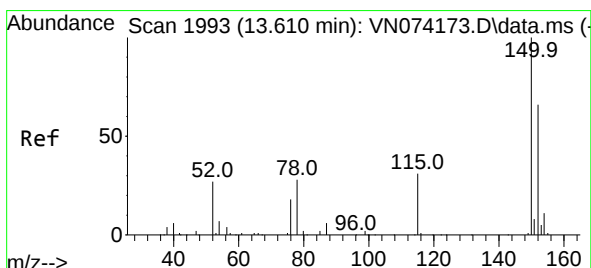
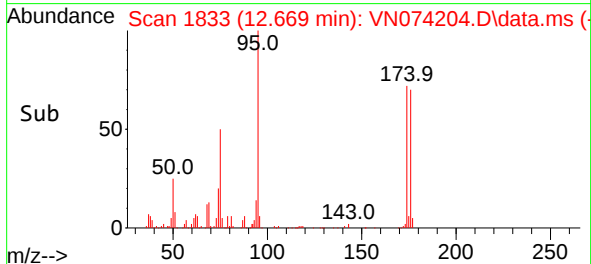
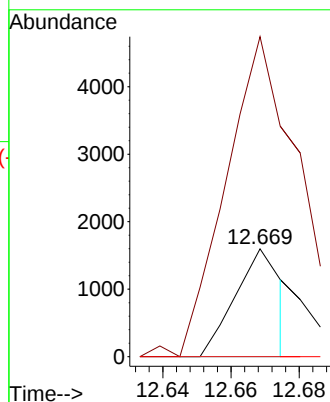
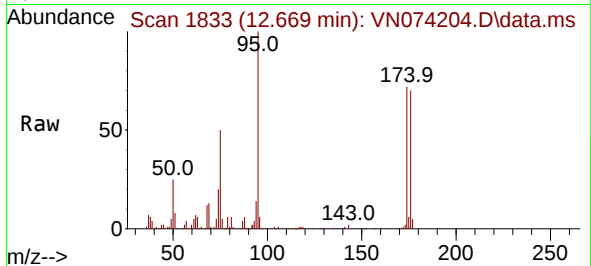




#71
Bromoform
Concen: 0.715 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN074204.D
Acq: 31 Aug 2022 10:10

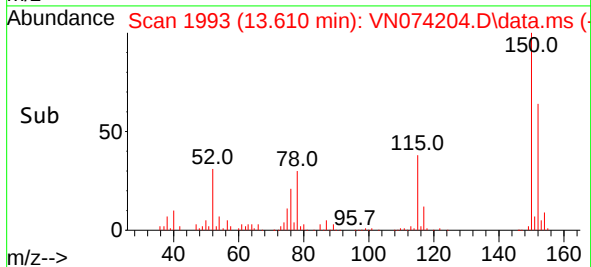
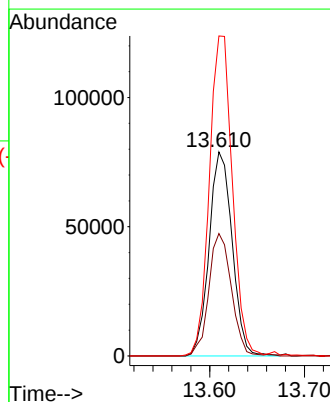
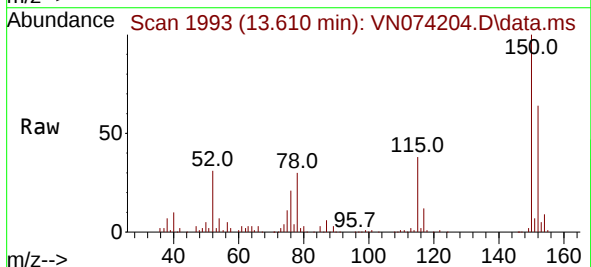
Instrument :
MSVOA_N
ClientSampleId :

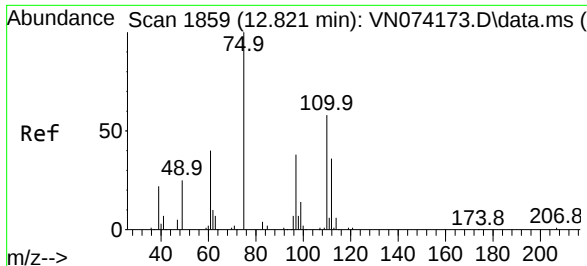
Tgt Ion:173 Resp: 1498
Ion Ratio Lower Upper
173 100
175 356.3 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN074204.D
Acq: 31 Aug 2022 10:10

Tgt Ion:152 Resp: 133694
Ion Ratio Lower Upper
152 100
115 58.9 28.9 86.7
150 156.1 0.0 356.2

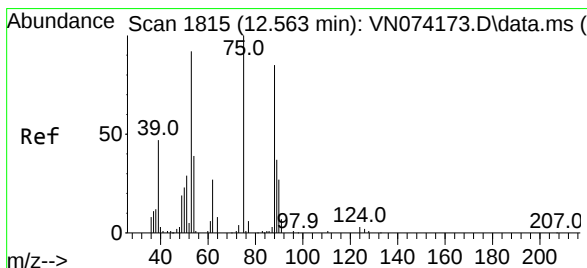
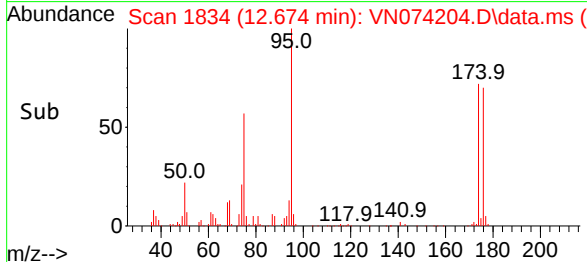
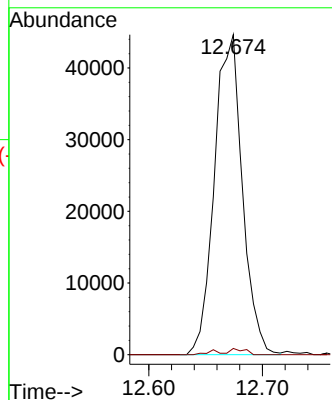
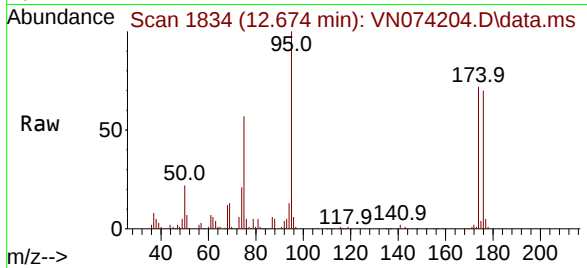




#76
1,2,3-Trichloropropane
Concen: 22.779 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074204.D
Acq: 31 Aug 2022 10:10

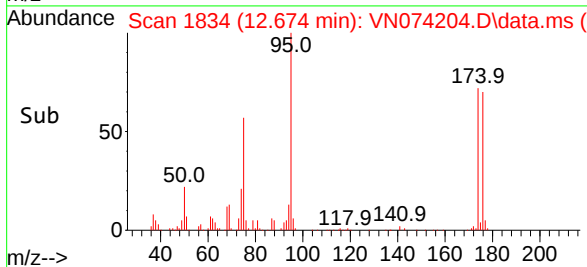
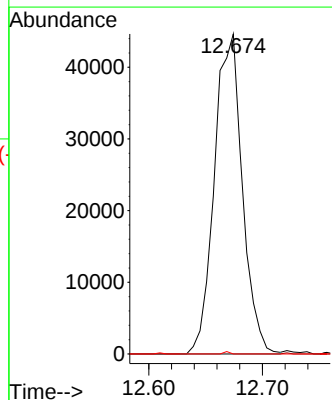
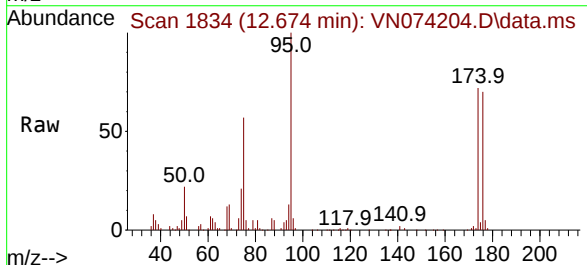
Instrument :
MSVOA_N
ClientSampleId :

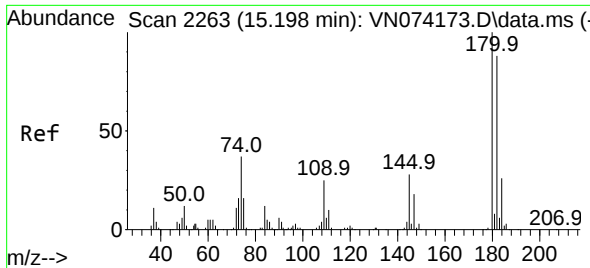
Tgt Ion: 75 Resp: 76281
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.223 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.112 min
Lab File: VN074204.D
Acq: 31 Aug 2022 10:10

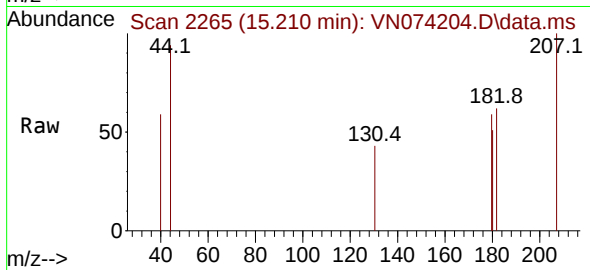
Tgt Ion: 75 Resp: 76281
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.2 37.2 55.8#



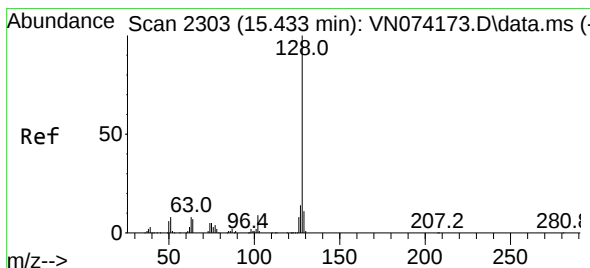
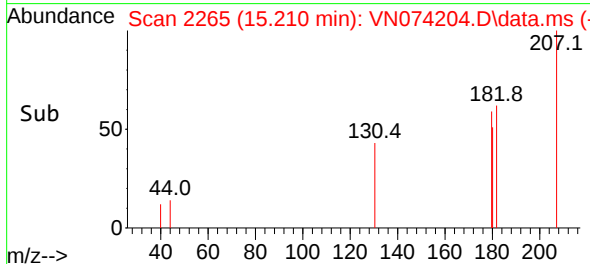
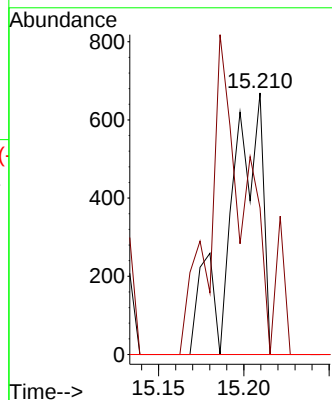


#93
 1,2,4-Trichlorobenzene
 Concen: 0.362 ug/l
 RT: 15.210 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN074204.D
 Acq: 31 Aug 2022 10:10

Instrument :
 MSVOA_N
 ClientSampleId :

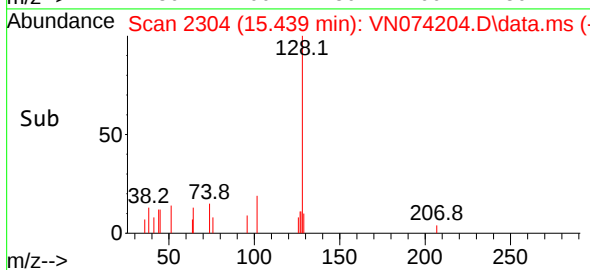
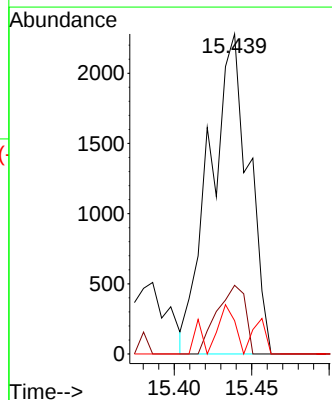
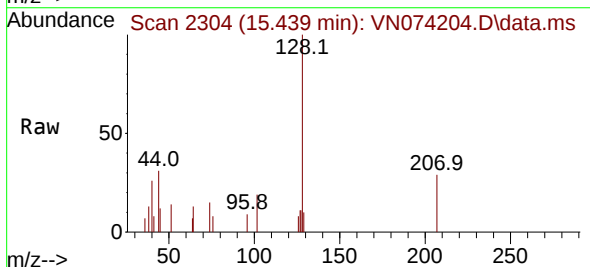


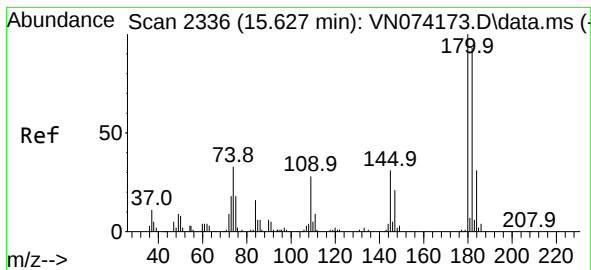
Tgt Ion:180 Resp: 891
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.5 142.5#
 145 0.0 14.5 43.5#



#95
 Naphthalene
 Concen: 1.535 ug/l
 RT: 15.439 min Scan# 2304
 Delta R.T. 0.006 min
 Lab File: VN074204.D
 Acq: 31 Aug 2022 10:10

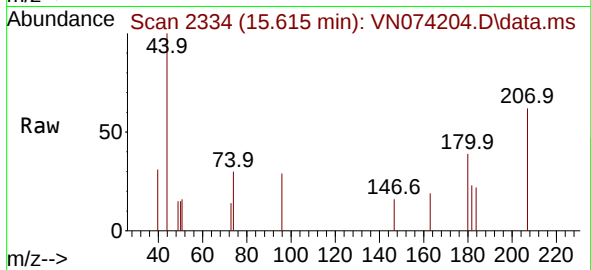
Tgt Ion:128 Resp: 3986
 Ion Ratio Lower Upper
 128 100
 127 15.7 10.3 15.5#
 129 8.8 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.238 ug/l
 RT: 15.615 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN074204.D
 Acq: 31 Aug 2022 10:10

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 608
 Ion Ratio Lower Upper
 180 100
 182 140.8 47.8 143.3
 145 0.0 15.5 46.5#

