

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
 Data File : VN074248.D
 Acq On : 01 Sep 2022 17:32
 Operator : JC\MD
 Sample : N4329-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 02 05:40:08 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)

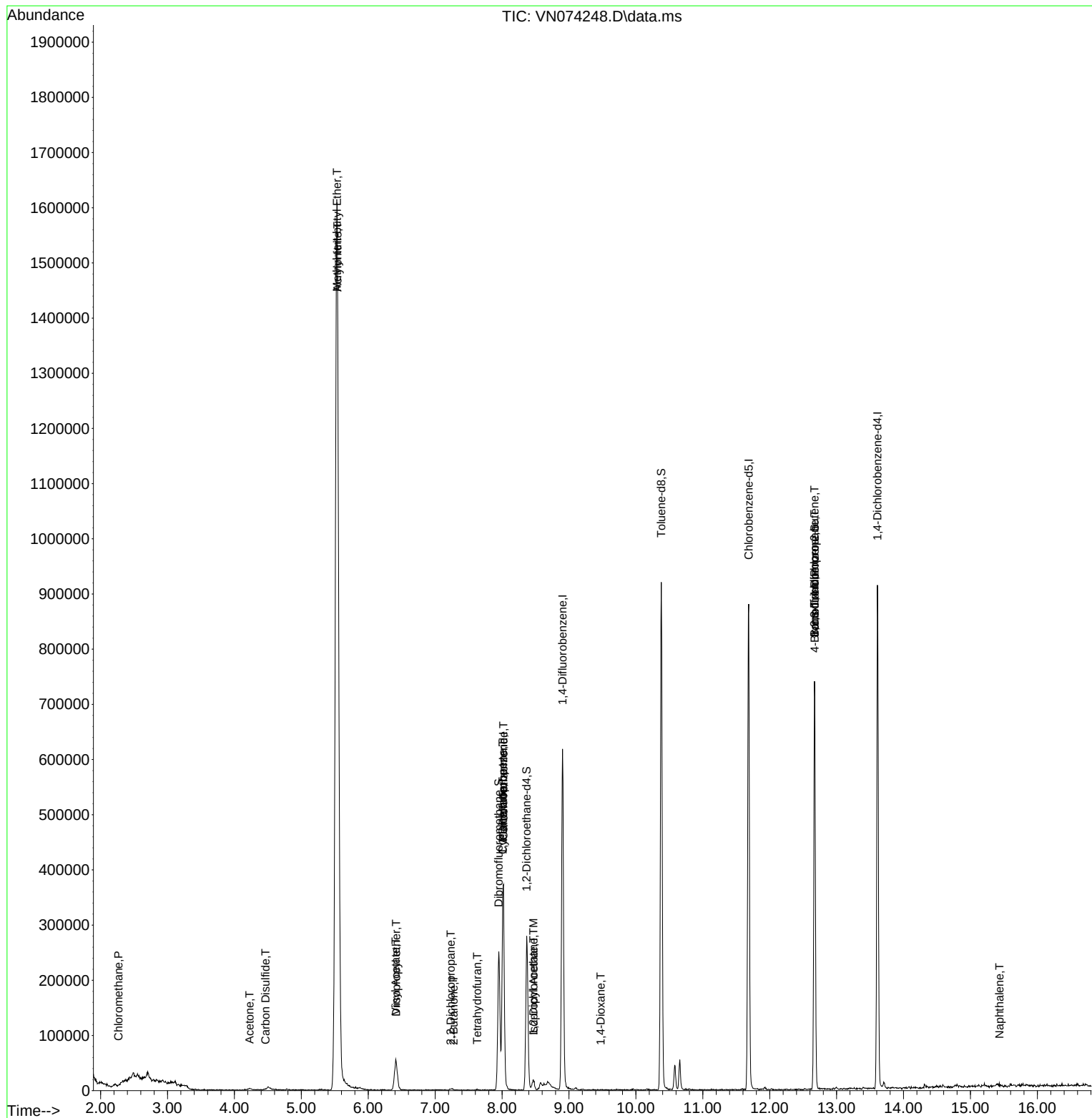
Internal Standards						
1) Pentafluorobenzene	8.016	168	272205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	511538	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	476685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	218698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	216207	51.203	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.400%			
35) Dibromofluoromethane	7.951	113	173935	52.253	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.500%			
50) Toluene-d8	10.380	98	606370	46.257	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.520%			
62) 4-Bromofluorobenzene	12.674	95	235628	59.107	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 118.220%			
Target Compounds					Qvalue	
3) Chloromethane	2.269	50	801	0.202	ug/l #	88
6) Chloroethane	2.987	64	1008	Below Cal	#	85
11) Tert butyl alcohol	5.287	59	1774	Below Cal	#	72
15) Acrylonitrile	5.540	53	30086	9.863	ug/l #	26
16) Acetone	4.228	43	3021	1.071	ug/l #	27
17) Carbon Disulfide	4.463	76	2439	0.269	ug/l #	75
18) Methyl Acetate	4.781	43	2636	Below Cal	#	66
19) Methyl tert-butyl Ether	5.534	73	2620500	221.980	ug/l	96
20) Methylene Chloride	5.004	84	429	Below Cal	#	52
22) Diisopropyl ether	6.416	45	68355	4.714	ug/l #	92
23) Vinyl Acetate	6.410	43	37692	3.079	ug/l #	68
25) 2-Butanone	7.275	43	1188	0.263	ug/l #	45
26) 2,2-Dichloropropane	7.234	77	157	0.302	ug/l #	53
28) Bromochloromethane	7.745	49	66	Below Cal	#	8
29) Tetrahydrofuran	7.628	42	1139	0.396	ug/l #	40
31) Cyclohexane	8.010	56	8663	1.242	ug/l #	53
36) 1,1-Dichloropropene	8.010	75	26176	4.847	ug/l #	49
38) Carbon Tetrachloride	8.022	117	31404	6.402	ug/l #	17
42) 1,2-Dichloroethane	8.469	62	5006	0.830	ug/l	100
43) Isopropyl Acetate	8.469	43	2990	0.246	ug/l #	76
49) 1,4-Dioxane	9.475	88	54	0.434	ug/l #	1
71) Bromoform	12.668	173	2024	0.627	ug/l #	1
76) 1,2,3-Trichloropropane	12.668	75	134787	24.783	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	134787	63.972	ug/l #	11
95) Naphthalene	15.433	128	1007	1.210	ug/l #	66

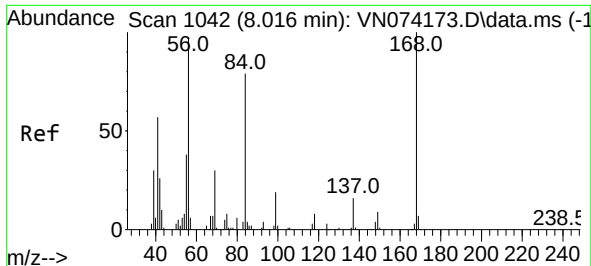
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

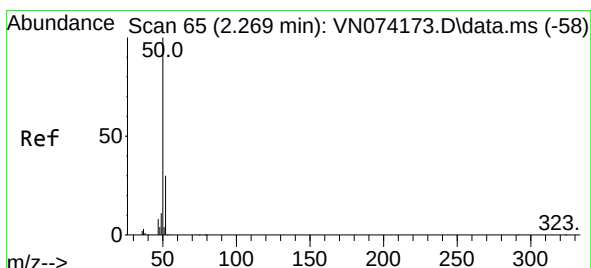
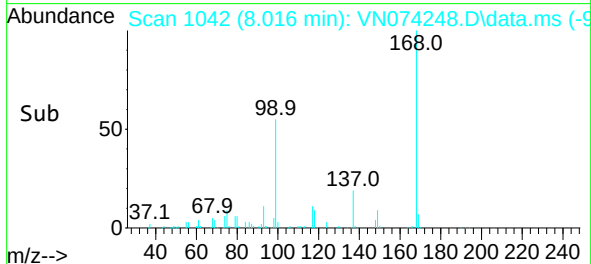
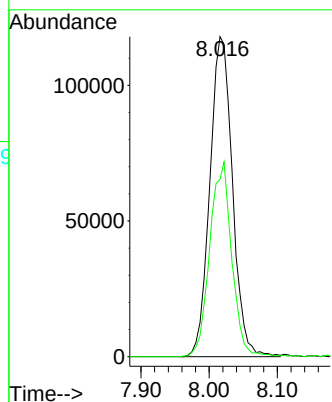
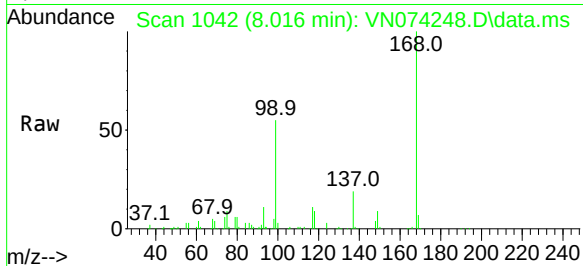




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

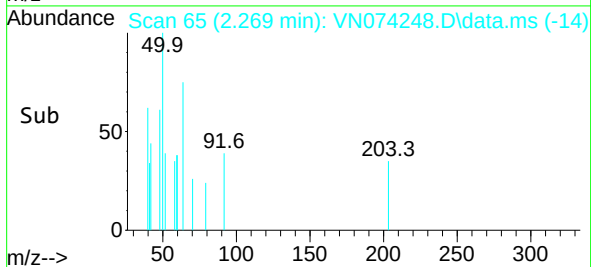
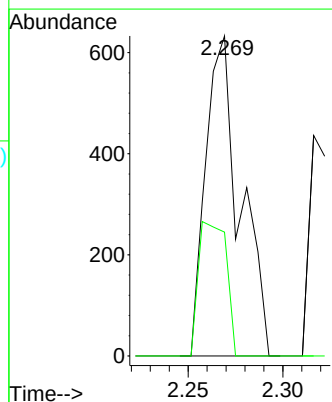
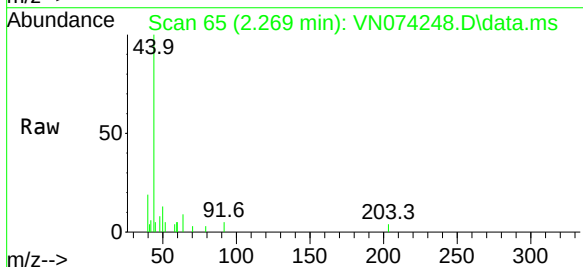
Instrument :
MSVOA_N
ClientSampleId :

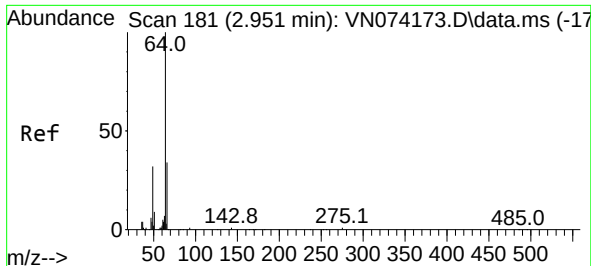
Tgt Ion:168 Resp: 272205
Ion Ratio Lower Upper
168 100
99 55.4 42.3 63.5



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

Tgt Ion: 50 Resp: 801
Ion Ratio Lower Upper
50 100
52 38.7 25.7 38.5#

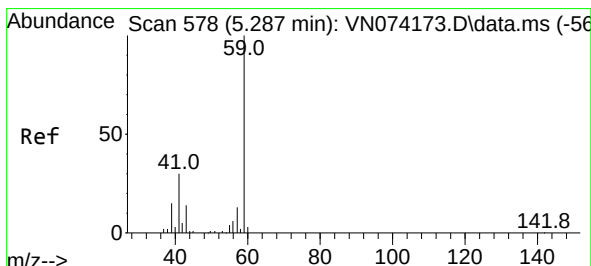
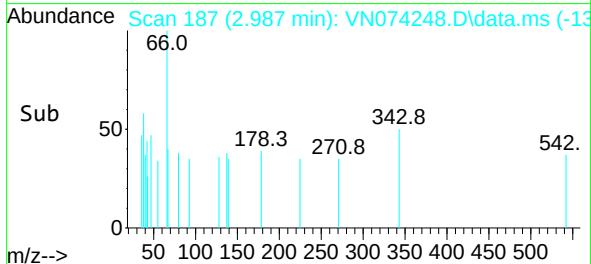
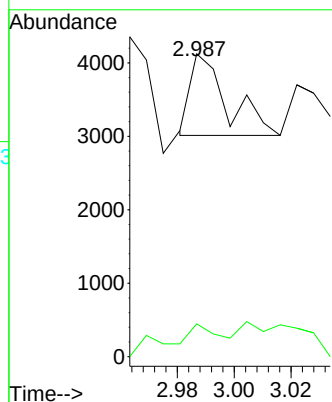
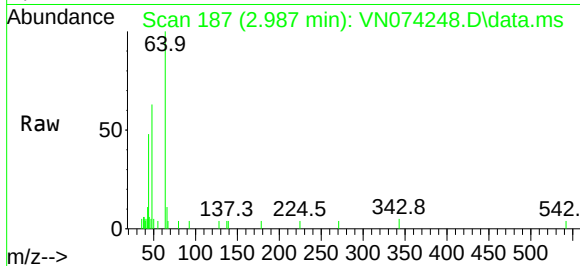




#6
Chloroethane
Concen: Below Cal
RT: 2.987 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

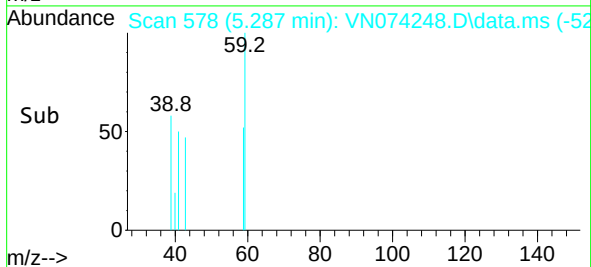
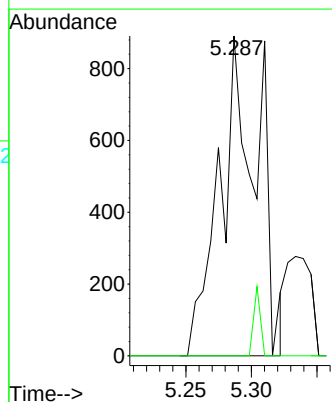
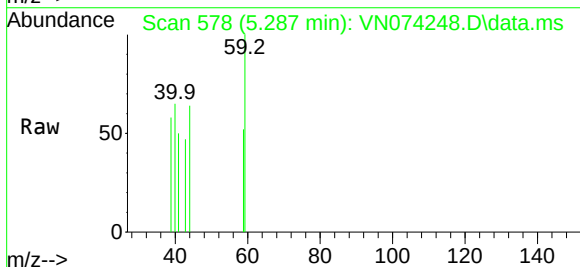
Instrument :
MSVOA_N
ClientSampleId :

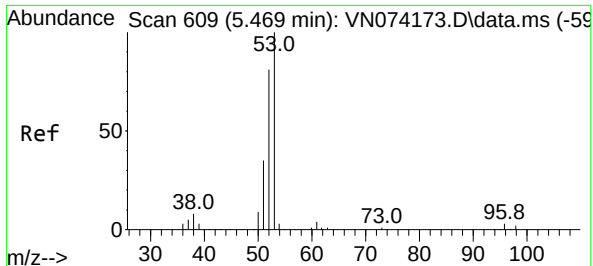
Tgt Ion: 64 Resp: 1008
Ion Ratio Lower Upper
64 100
66 24.5 26.2 39.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.287 min Scan# 578
Delta R.T. -0.000 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

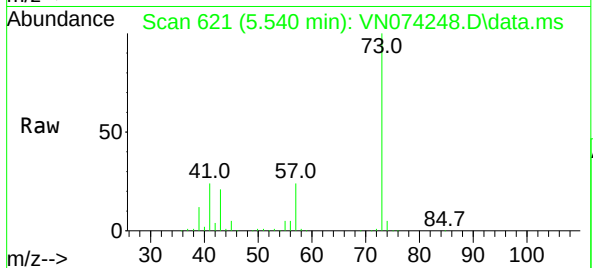
Tgt Ion: 59 Resp: 1774
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



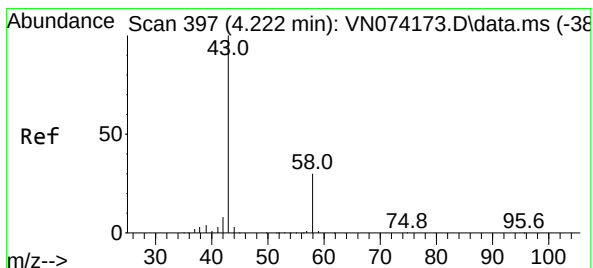
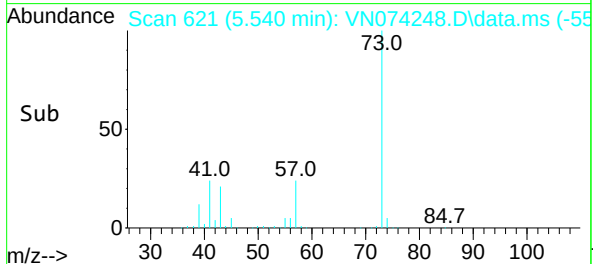
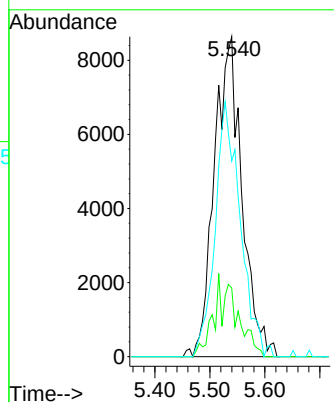


#15
Acrylonitrile
Concen: 9.863 ug/l
RT: 5.540 min Scan# 61
Delta R.T. 0.071 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

Instrument :
MSVOA_N
ClientSampleId :

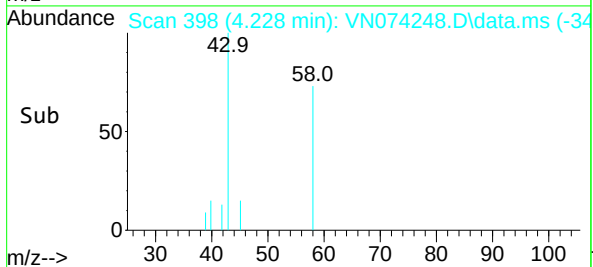
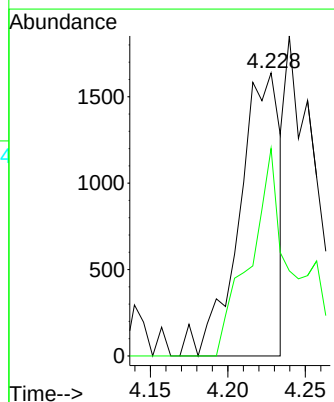
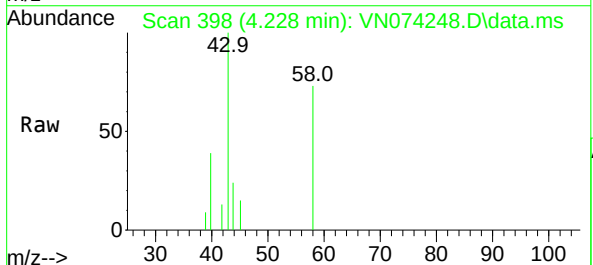


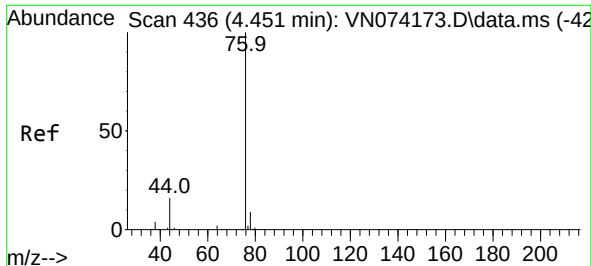
Tgt Ion: 53 Resp: 30086
Ion Ratio Lower Upper
53 100
52 12.9 66.4 99.6#
51 72.7 28.5 42.7#



#16
Acetone
Concen: 1.071 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

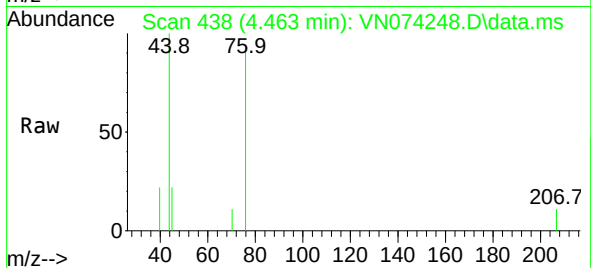
Tgt Ion: 43 Resp: 3021
Ion Ratio Lower Upper
43 100
58 73.3 26.0 39.0#



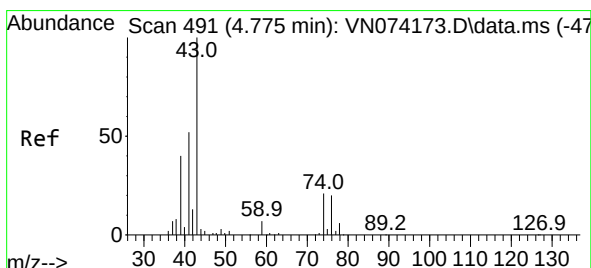
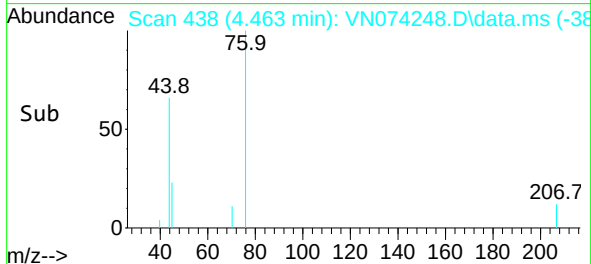
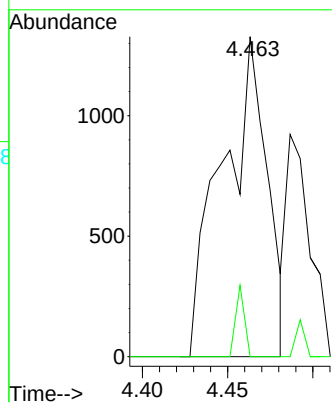


#17
Carbon Disulfide
Concen: 0.269 ug/l
RT: 4.463 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

Instrument :
MSVOA_N
ClientSampleId :

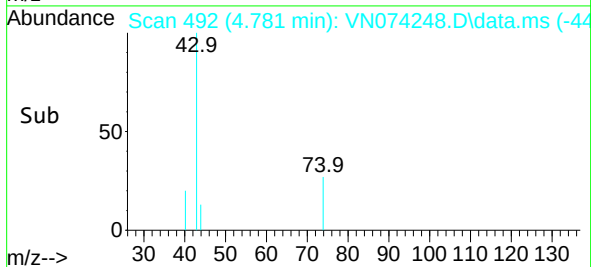
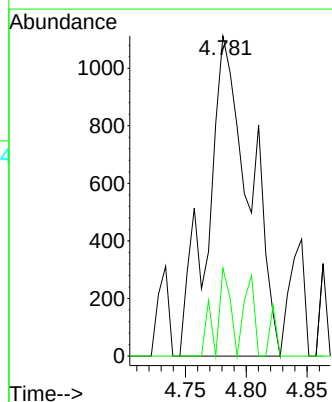
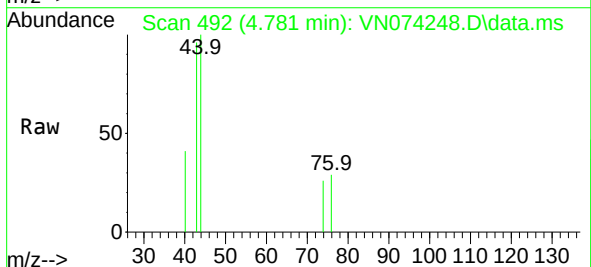


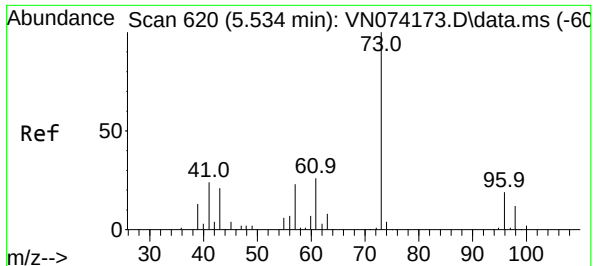
Tgt Ion: 76 Resp: 2439
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.781 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

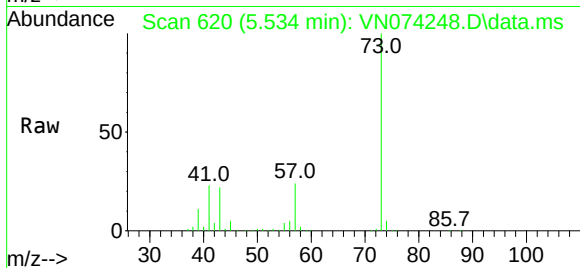
Tgt Ion: 43 Resp: 2636
Ion Ratio Lower Upper
43 100
74 9.4 21.6 32.4#



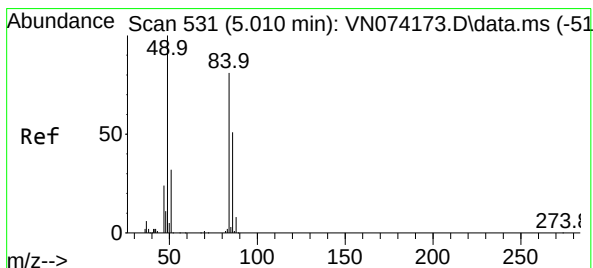
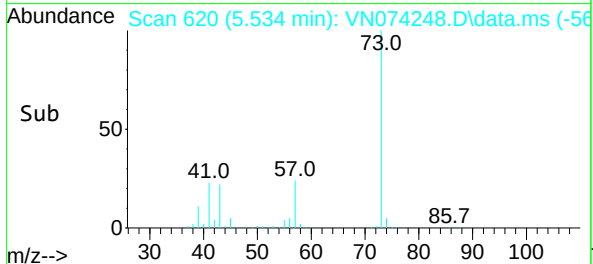
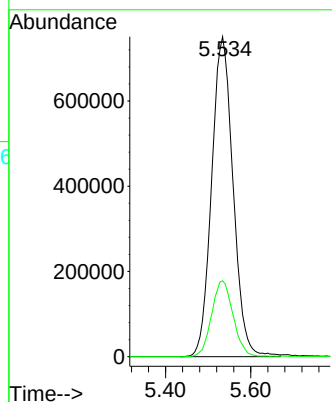


#19
Methyl tert-butyl Ether
Concen: 221.980 ug/l
RT: 5.534 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

Instrument :
MSVOA_N
ClientSampleId :

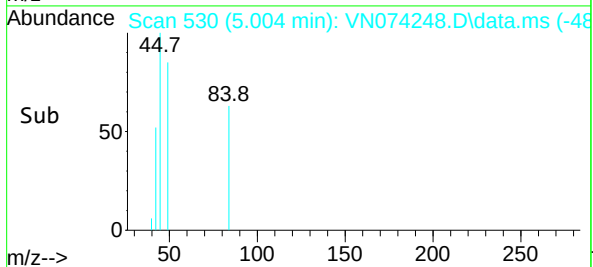
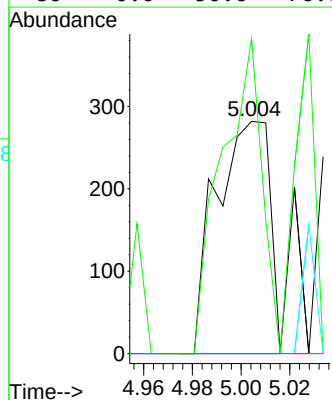
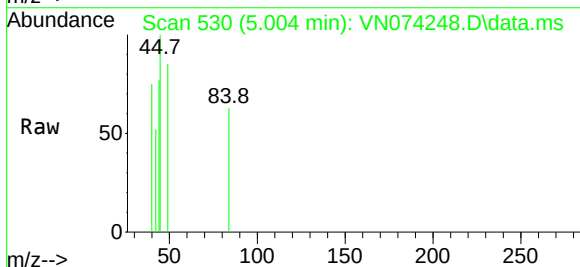


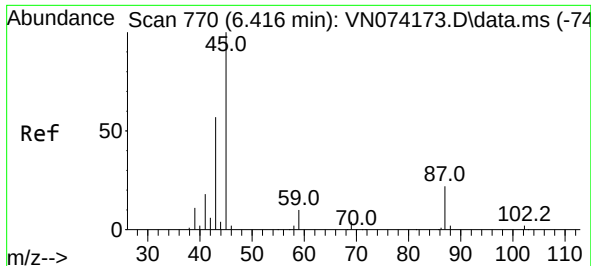
Tgt Ion: 73 Resp: 2620500
Ion Ratio Lower Upper
73 100
57 23.7 17.6 26.4



#20
Methylene Chloride
Concen: Below Cal
RT: 5.004 min Scan# 530
Delta R.T. -0.006 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

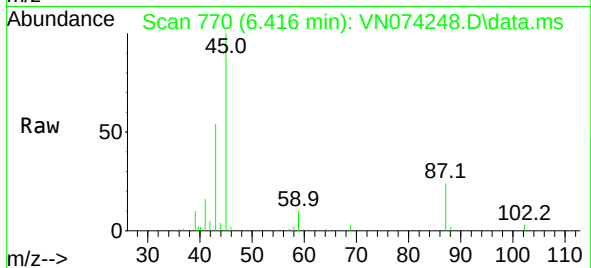
Tgt Ion: 84 Resp: 429
Ion Ratio Lower Upper
84 100
49 135.8 88.3 132.5#
51 0.0 28.2 42.2#
86 0.0 50.6 76.0#



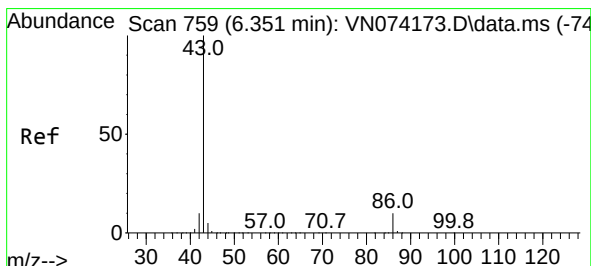
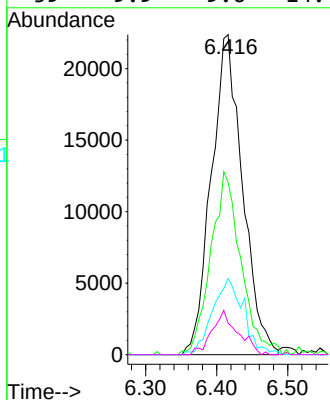
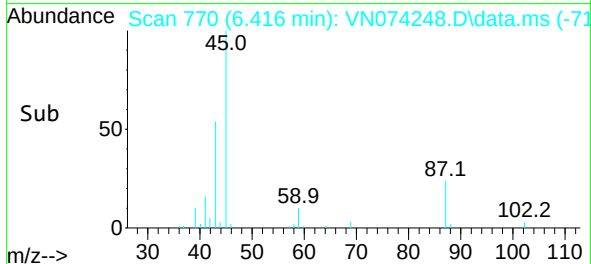


#22
Diisopropyl ether
Concen: 4.714 ug/l
RT: 6.416 min Scan# 770
Delta R.T. -0.000 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

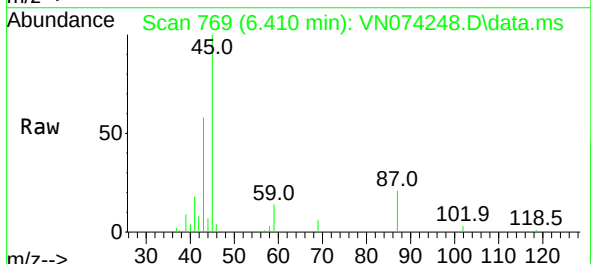
Instrument :
MSVOA_N
ClientSampleId :



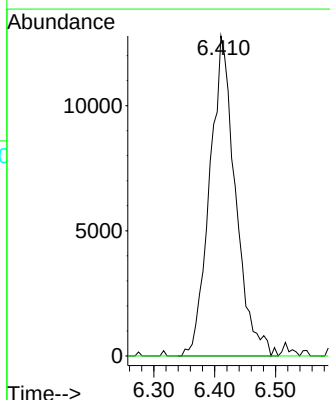
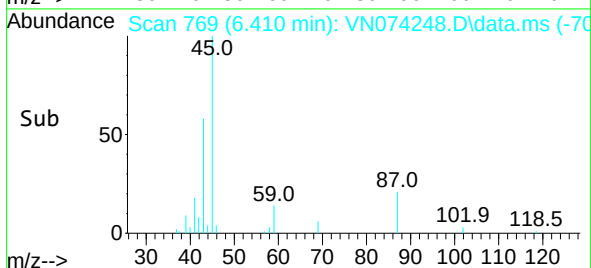
Tgt Ion:	45	43	87	59
Ratio	100	53.8	23.7	9.9
Lower		46.6	24.3	9.6
Upper		70.0	36.5	14.4

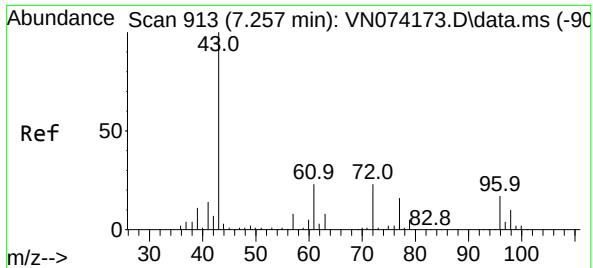


#23
Vinyl Acetate
Concen: 3.079 ug/l
RT: 6.410 min Scan# 769
Delta R.T. 0.059 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32



Tgt Ion:	43	86
Ratio	100	0.0
Lower		10.0
Upper		15.0





#25

2-Butanone

Concen: 0.263 ug/l

RT: 7.275 min Scan# 911

Delta R.T. 0.018 min

Lab File: VN074248.D

Acq: 01 Sep 2022 17:32

Instrument :

MSVOA_N

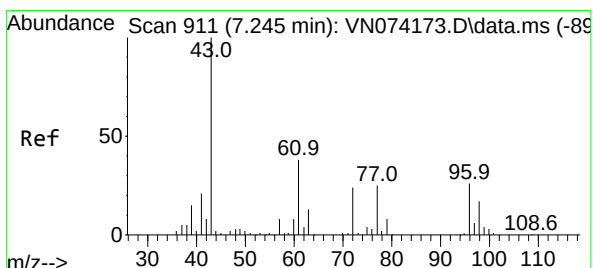
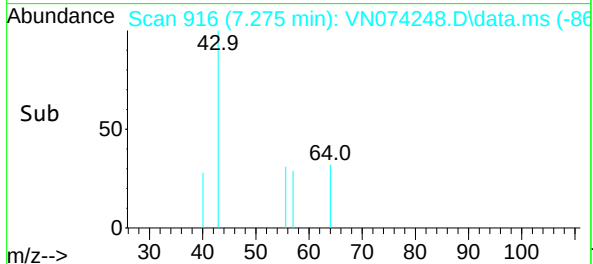
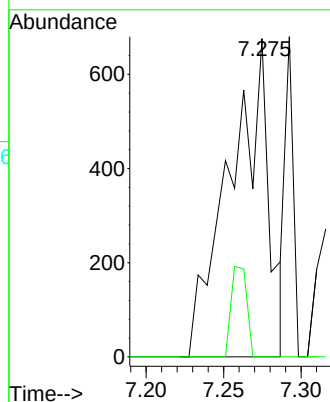
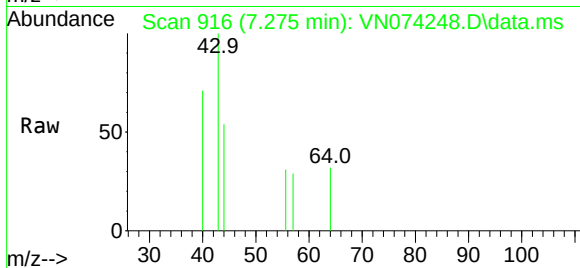
ClientSampleId :

Tgt Ion: 43 Resp: 1188

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#26

2,2-Dichloropropane

Concen: 0.302 ug/l

RT: 7.234 min Scan# 909

Delta R.T. -0.011 min

Lab File: VN074248.D

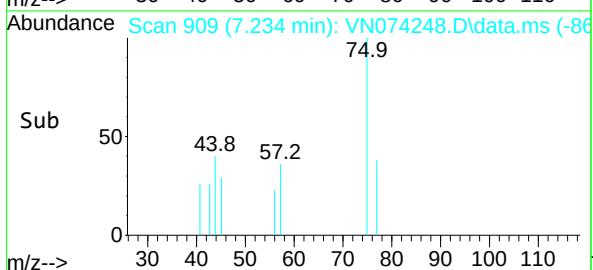
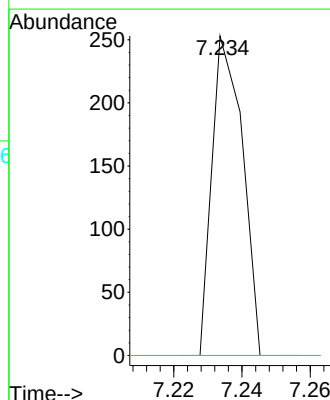
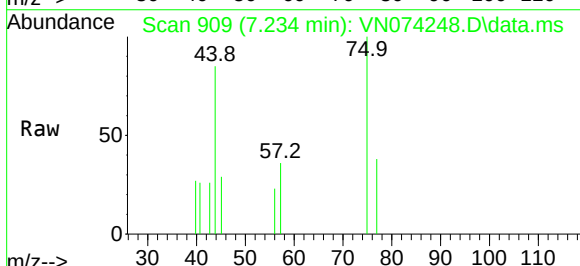
Acq: 01 Sep 2022 17:32

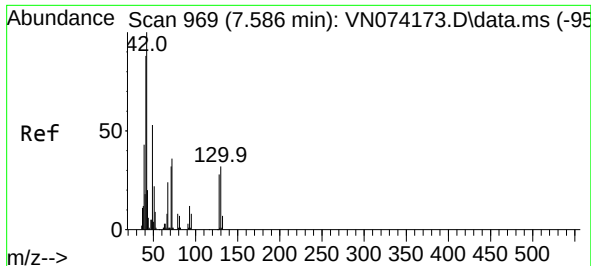
Tgt Ion: 77 Resp: 157

Ion Ratio Lower Upper

77 100

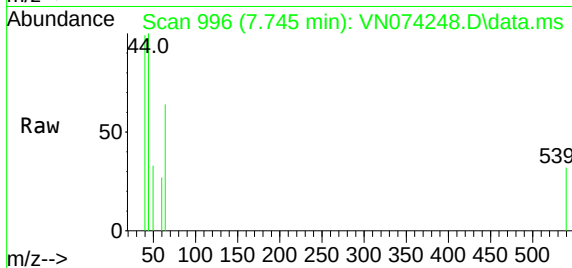
97 0.0 11.4 34.2#



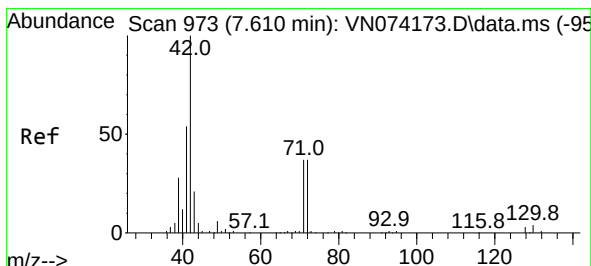
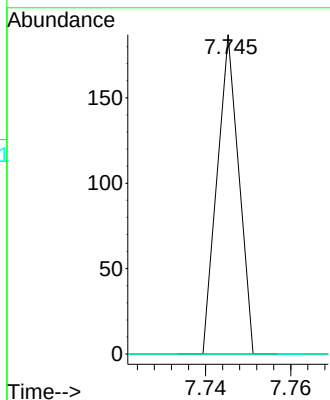
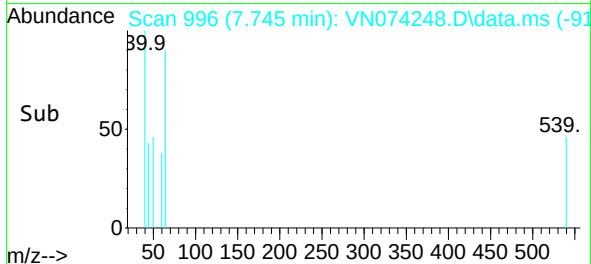


#28
Bromochloromethane
Concen: Below Cal
RT: 7.745 min Scan# 91
Delta R.T. 0.159 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

Instrument :
MSVOA_N
ClientSampleId :

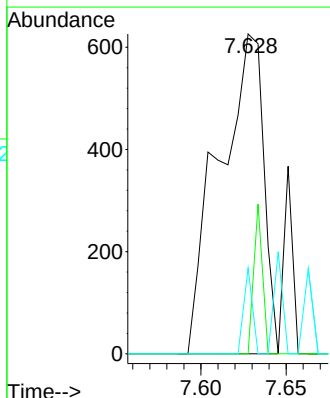
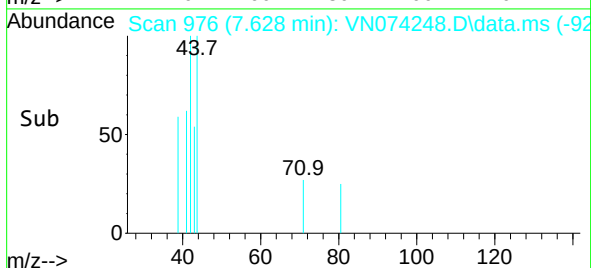
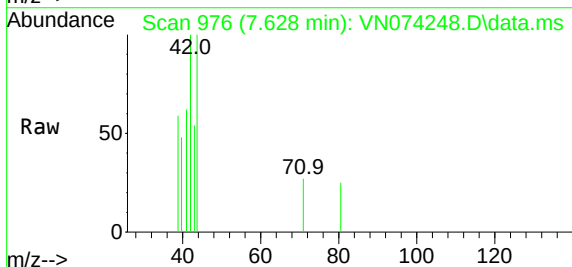


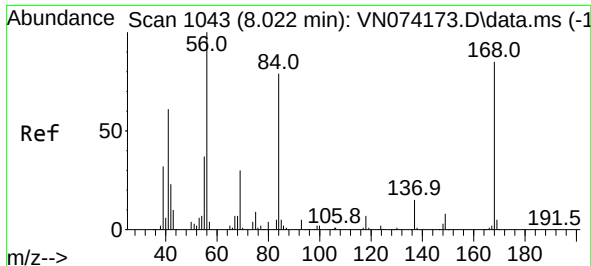
Tgt Ion: 49 Resp: 66
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 69.7 104.5#



#29
Tetrahydrofuran
Concen: 0.396 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.018 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

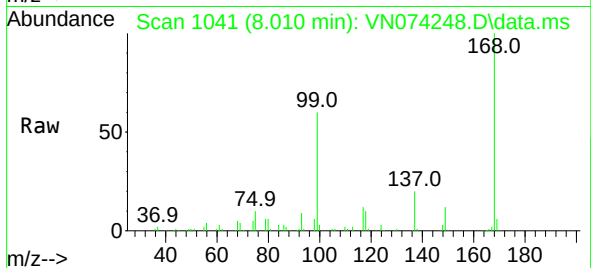
Tgt Ion: 42 Resp: 1139
Ion Ratio Lower Upper
42 100
72 9.0 39.7 59.5#
71 5.2 36.6 55.0#



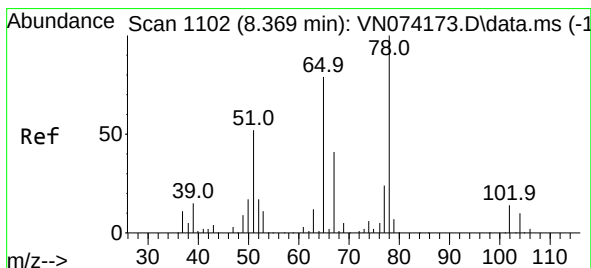
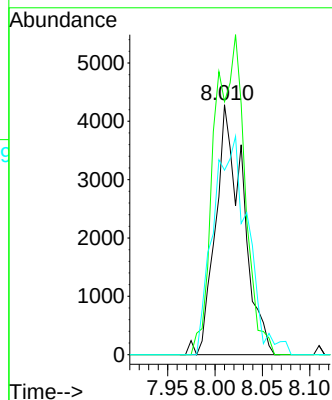
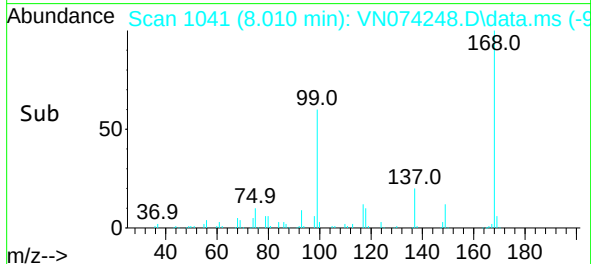


#31
Cyclohexane
Concen: 1.242 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

Instrument :
MSVOA_N
ClientSampleId :

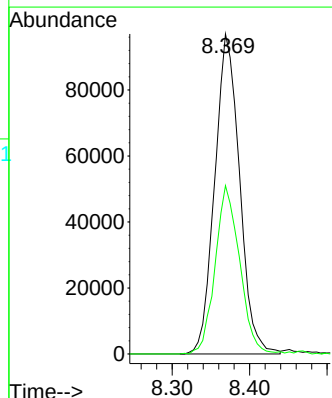
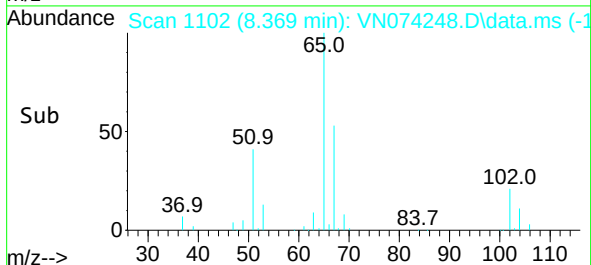
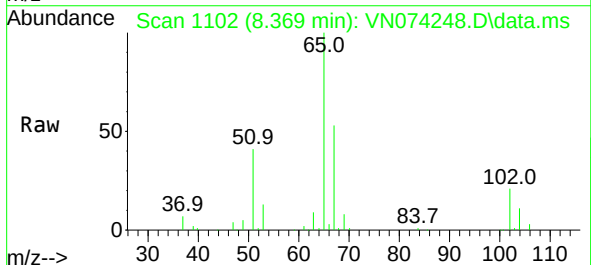


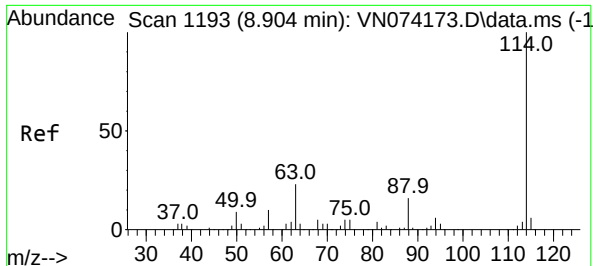
Tgt Ion: 56 Resp: 8663
Ion Ratio Lower Upper
56 100
69 101.2 27.8 41.8#
84 73.8 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 51.203 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

Tgt Ion: 65 Resp: 216207
Ion Ratio Lower Upper
65 100
67 51.7 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: VN074248.D

Acq: 01 Sep 2022 17:32

Instrument :

MSVOA_N

ClientSampleId :

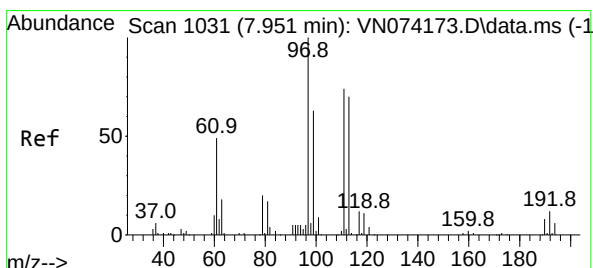
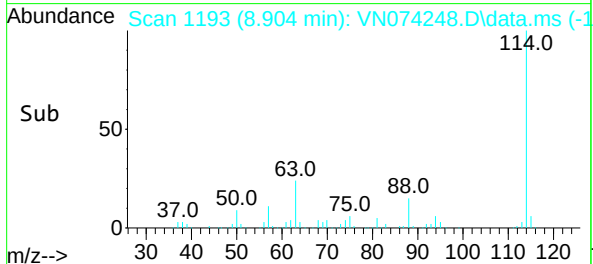
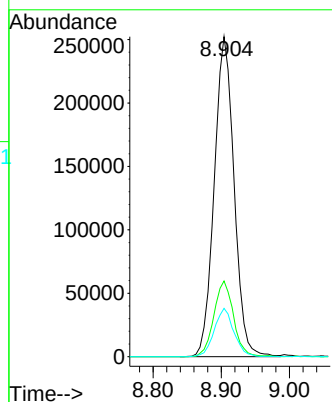
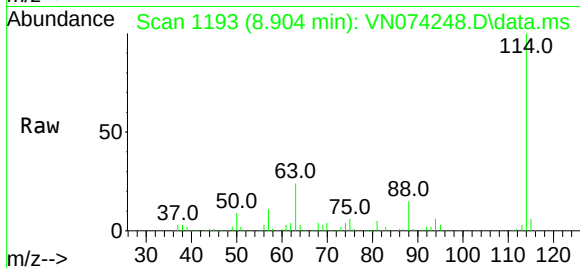
Tgt Ion:114 Resp: 511538

Ion Ratio Lower Upper

114 100

63 23.7 0.0 40.0

88 15.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.253 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN074248.D

Acq: 01 Sep 2022 17:32

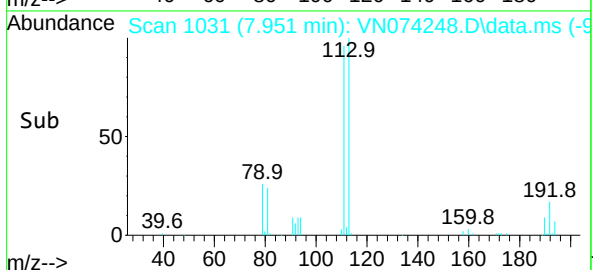
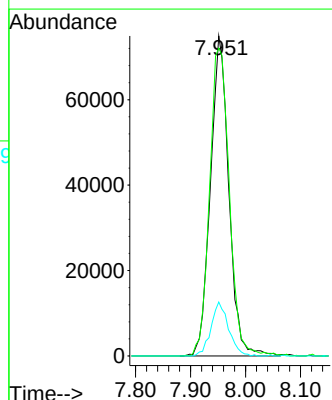
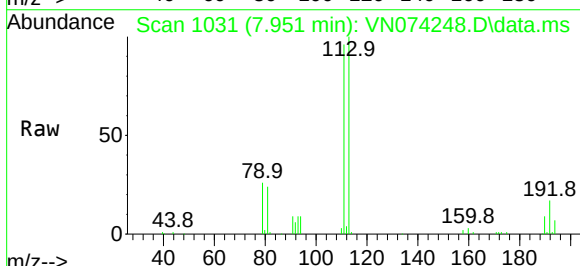
Tgt Ion:113 Resp: 173935

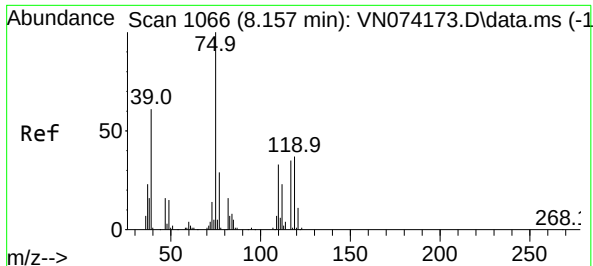
Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

192 16.2 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 4.847 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.147 min

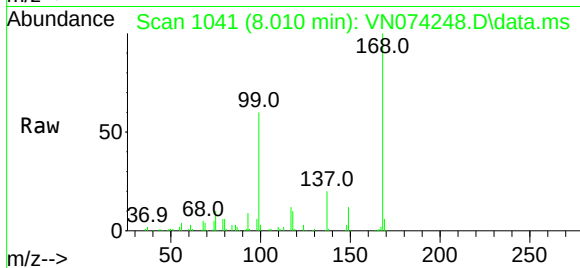
Lab File: VN074248.D

Acq: 01 Sep 2022 17:32

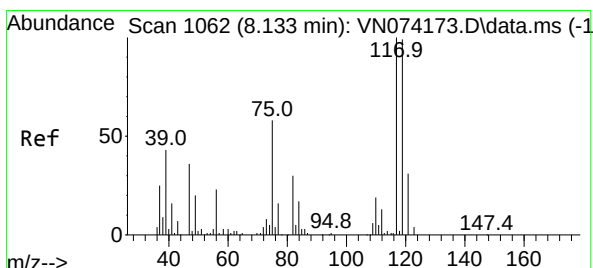
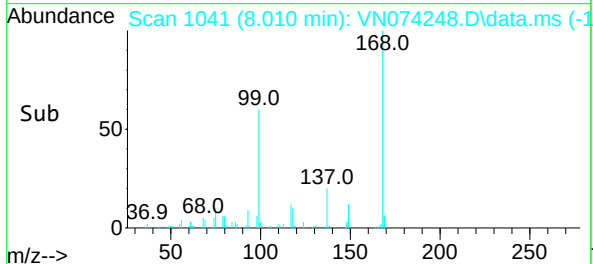
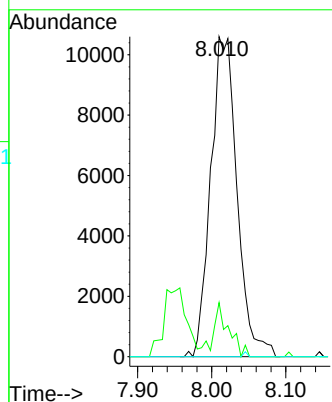
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	26176
Ion Ratio	Lower	Upper	
75	100		
110	9.8	18.3	54.8#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 6.402 ug/l

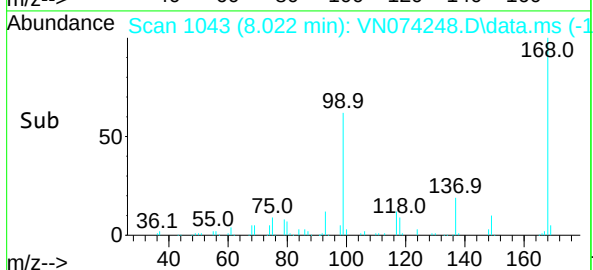
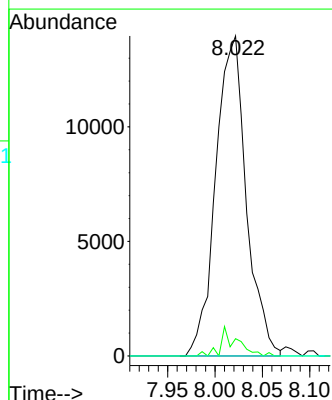
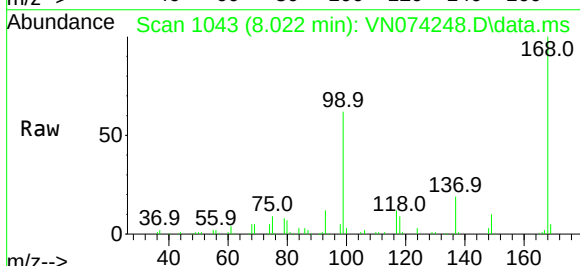
RT: 8.022 min Scan# 1043

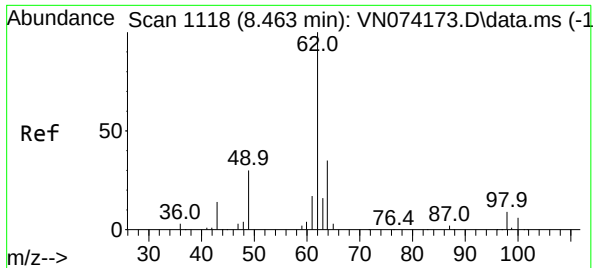
Delta R.T. -0.111 min

Lab File: VN074248.D

Acq: 01 Sep 2022 17:32

Tgt Ion:	117	Resp:	31404
Ion Ratio	Lower	Upper	
117	100		
119	5.4	75.8	113.8#
121	0.0	24.6	37.0#





#42

1,2-Dichloroethane

Concen: 0.830 ug/l

RT: 8.469 min Scan# 1119

Delta R.T. 0.006 min

Lab File: VN074248.D

Acq: 01 Sep 2022 17:32

Instrument :

MSVOA_N

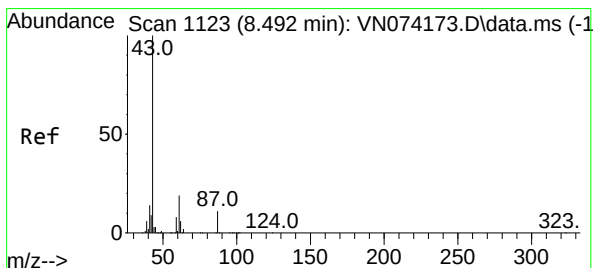
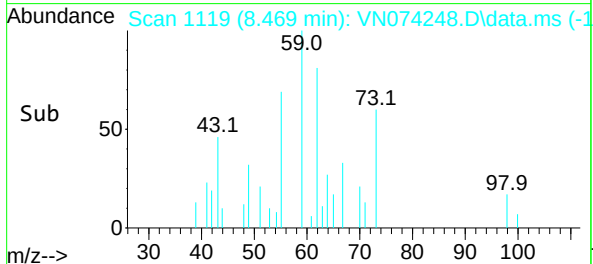
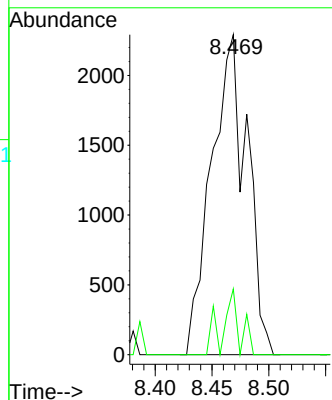
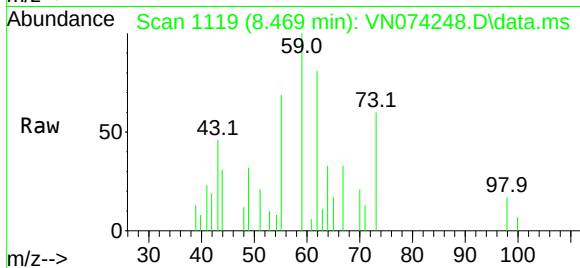
ClientSampleId :

Tgt Ion: 62 Resp: 5006

Ion Ratio Lower Upper

62 100

98 9.8 0.0 19.4



#43

Isopropyl Acetate

Concen: 0.246 ug/l

RT: 8.469 min Scan# 1119

Delta R.T. -0.024 min

Lab File: VN074248.D

Acq: 01 Sep 2022 17:32

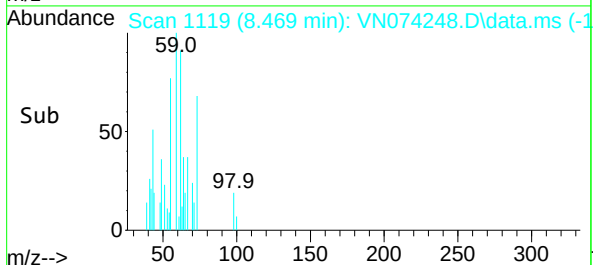
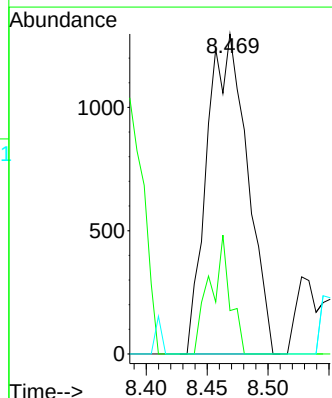
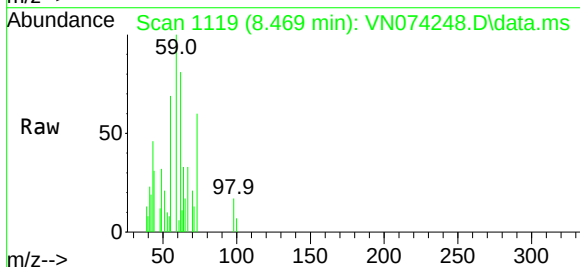
Tgt Ion: 43 Resp: 2990

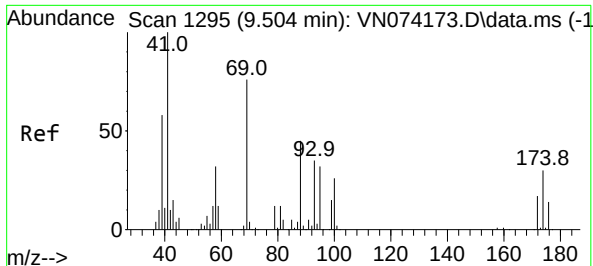
Ion Ratio Lower Upper

43 100

61 18.6 21.9 32.9#

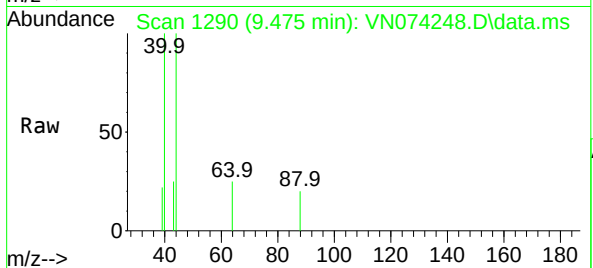
87 0.0 12.0 18.0#



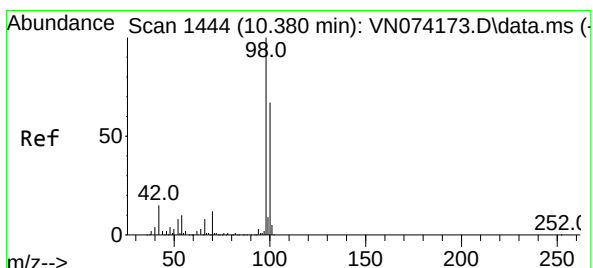
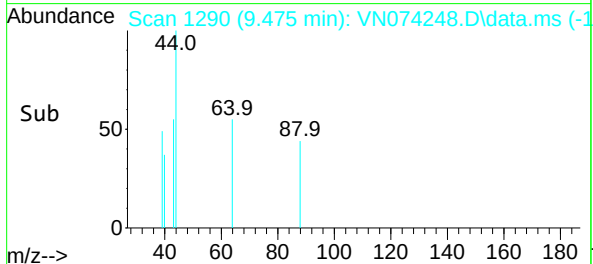
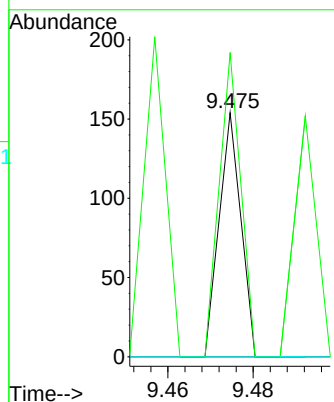


#49
1,4-Dioxane
Concen: 0.434 ug/l
RT: 9.475 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

Instrument :
MSVOA_N
ClientSampleId :

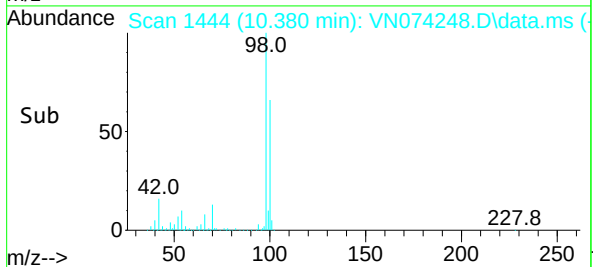
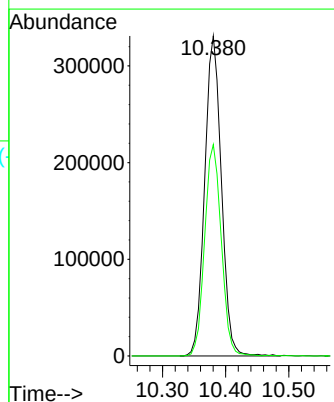
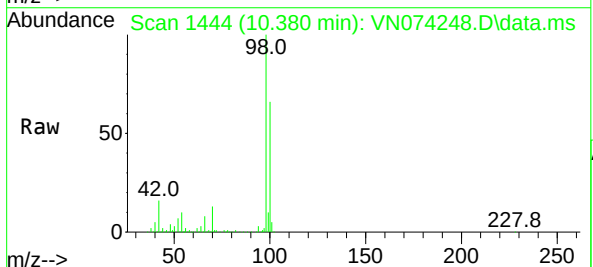


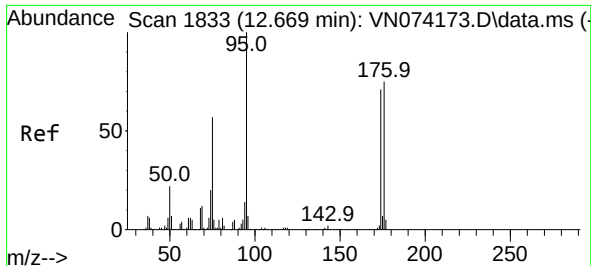
Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 125.9 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 46.257 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

Tgt Ion: 98 Resp: 606370
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8

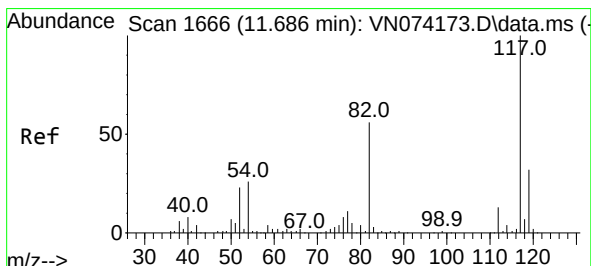
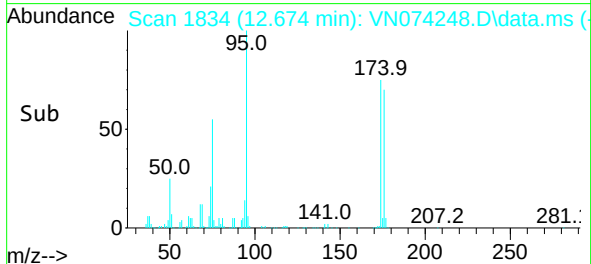
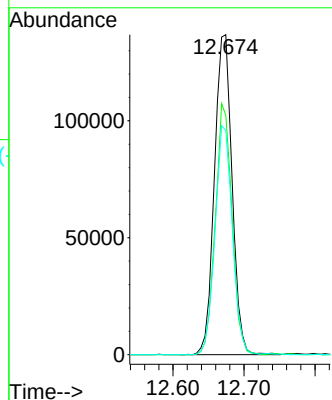
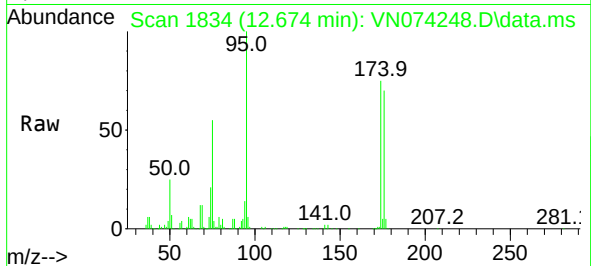




#62
4-Bromofluorobenzene
Concen: 59.107 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.006 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

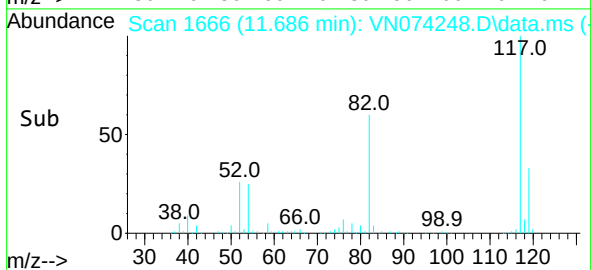
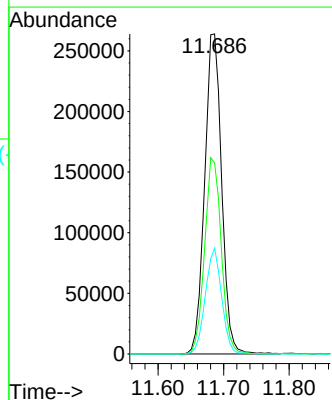
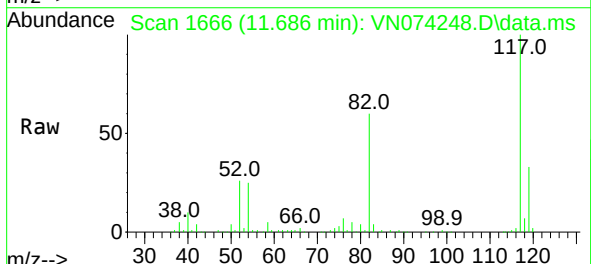
Instrument :
MSVOA_N
ClientSampleId :

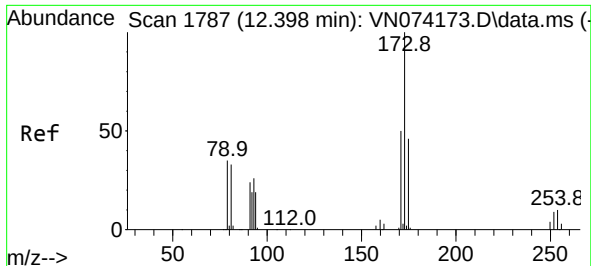
Tgt Ion: 95 Resp: 235628
Ion Ratio Lower Upper
95 100
174 74.3 0.0 167.6
176 70.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

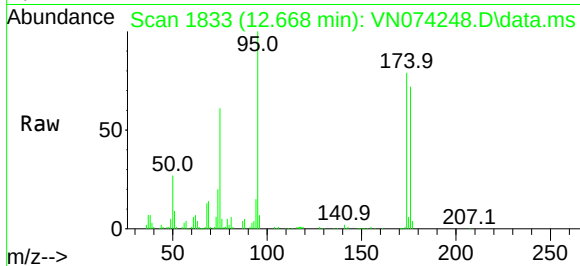
Tgt Ion: 117 Resp: 476685
Ion Ratio Lower Upper
117 100
82 59.7 44.2 66.2
119 33.1 25.4 38.0



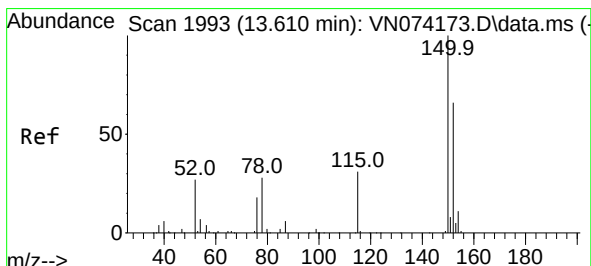
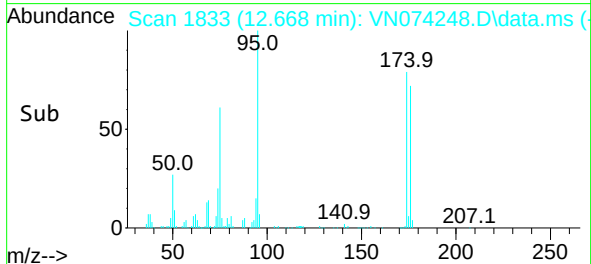
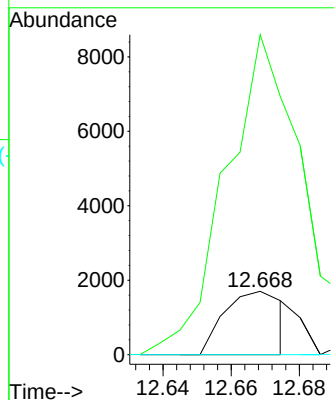


#71
Bromoform
Concen: 0.627 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

Instrument :
MSVOA_N
ClientSampleId :

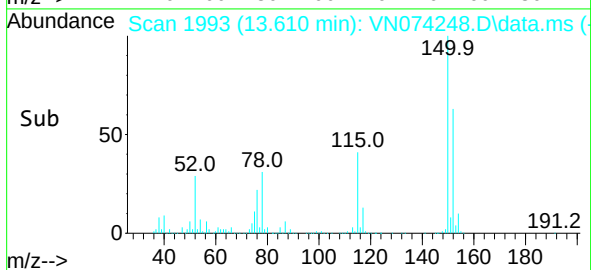
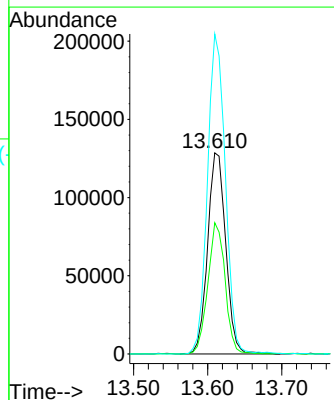
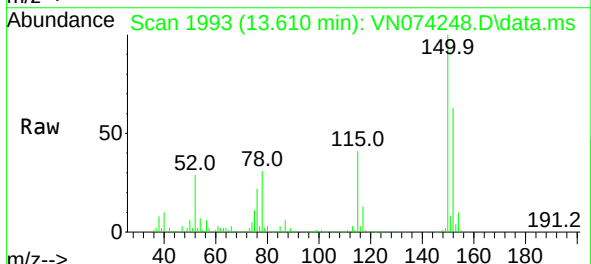


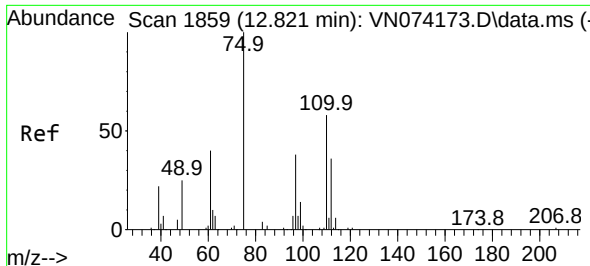
Tgt Ion:173 Resp: 2024
Ion Ratio Lower Upper
173 100
175 491.9 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

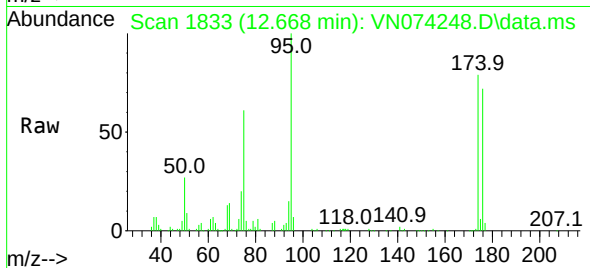
Tgt Ion:152 Resp: 218698
Ion Ratio Lower Upper
152 100
115 62.1 28.9 86.7
150 156.8 0.0 356.2



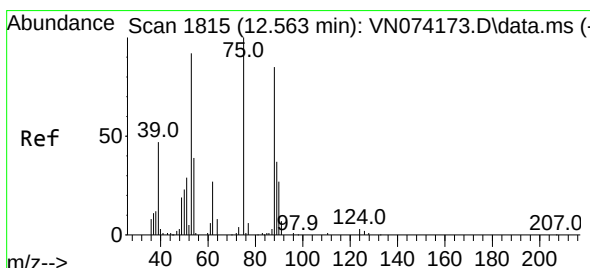
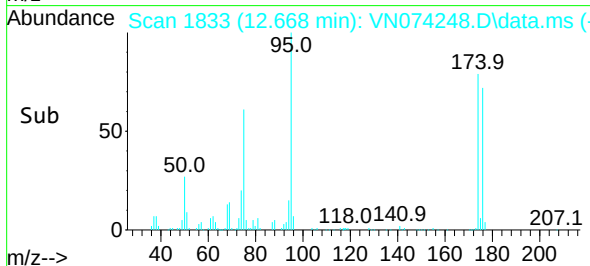
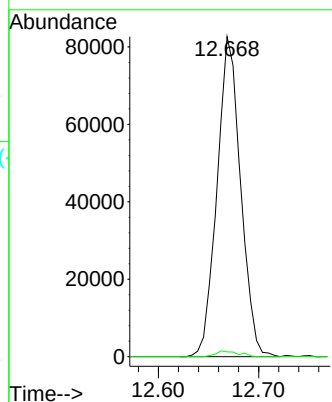


#76
1,2,3-Trichloropropane
Concen: 24.783 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

Instrument :
MSVOA_N
ClientSampleId :

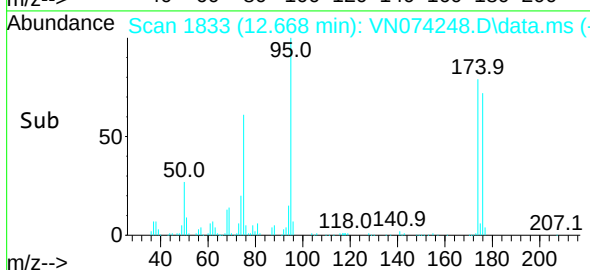
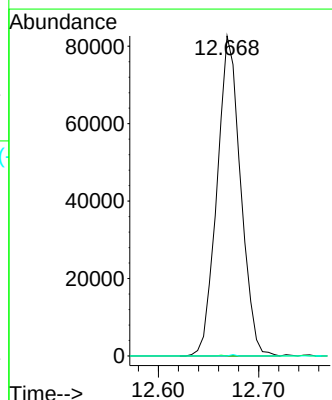
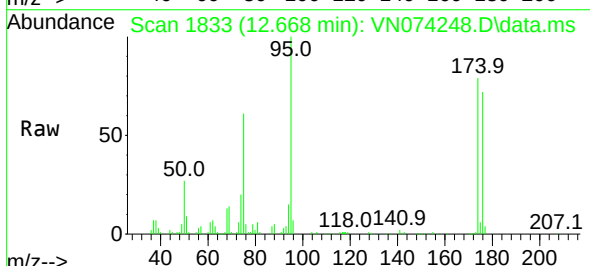


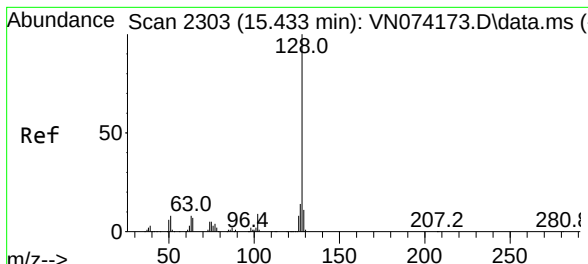
Tgt Ion: 75 Resp: 134787
Ion Ratio Lower Upper
75 100
77 1.7 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.972 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN074248.D
Acq: 01 Sep 2022 17:32

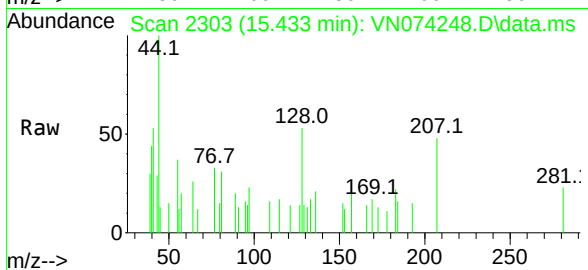
Tgt Ion: 75 Resp: 134787
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#





#95
 Naphthalene
 Concen: 1.210 ug/l
 RT: 15.433 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN074248.D
 Acq: 01 Sep 2022 17:32

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:128 Resp: 1007
 Ion Ratio Lower Upper
 128 100
 127 6.9 10.3 15.5#
 129 32.4 8.6 13.0#

