

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081322\
 Data File : VN073868.D
 Acq On : 13 Aug 2022 13:42
 Operator : JC\MD
 Sample : VN0813WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBL01

Quant Time: Aug 14 02:34:10 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)

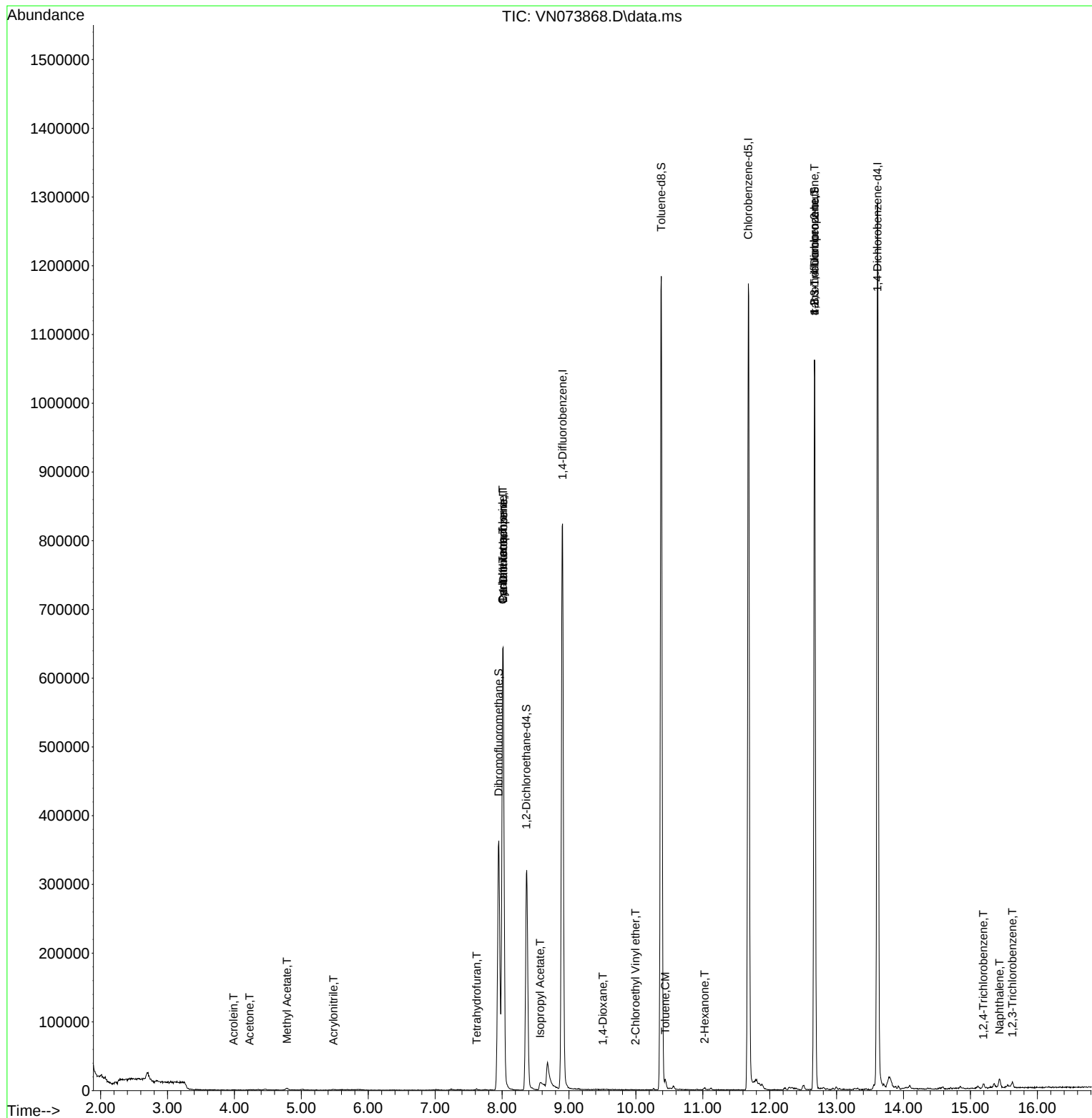
Internal Standards						
1) Pentafluorobenzene	8.016	168	569884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	803680	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	740981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	384998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	273428	39.371	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	78.740%		
35) Dibromofluoromethane	7.951	113	264304	52.373	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.740%		
50) Toluene-d8	10.380	98	868524	43.735	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	87.460%		
62) 4-Bromofluorobenzene	12.668	95	338201	48.594	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.180%		
Target Compounds						Qvalue
3) Chloromethane	2.275	50	997	Below Cal		96
6) Chloroethane	2.957	64	88	Below Cal	#	76
13) Acrolein	3.987	56	393	0.265	ug/l #	74
15) Acrylonitrile	5.481	53	859	0.207	ug/l #	63
16) Acetone	4.228	43	1454	0.390	ug/l #	42
18) Methyl Acetate	4.787	43	5377	0.579	ug/l	91
20) Methylene Chloride	4.998	84	918	Below Cal	#	56
29) Tetrahydrofuran	7.622	42	1154	0.315	ug/l #	64
31) Cyclohexane	8.010	56	9179	0.888	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	34579	4.808	ug/l #	50
38) Carbon Tetrachloride	8.010	117	48602	6.653	ug/l #	17
43) Isopropyl Acetate	8.569	43	15704	1.227	ug/l #	53
49) 1,4-Dioxane	9.504	88	55	0.348	ug/l #	1
52) Toluene	10.439	92	4642	0.325	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.992	63	64	9.956	ug/l #	44
59) 2-Hexanone	11.027	43	3400	0.489	ug/l	68
76) 1,2,3-Trichloropropane	12.668	75	171887	22.605	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	171887	57.858	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.192	180	3385	0.502	ug/l	90
95) Naphthalene	15.433	128	14843	0.678	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.627	180	3854	0.543	ug/l	91

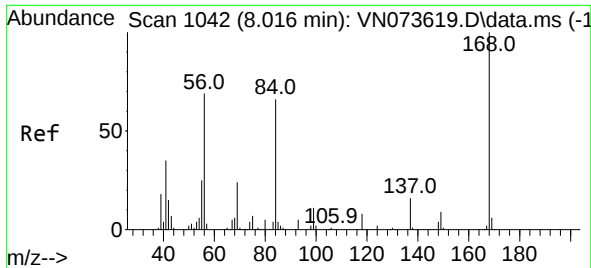
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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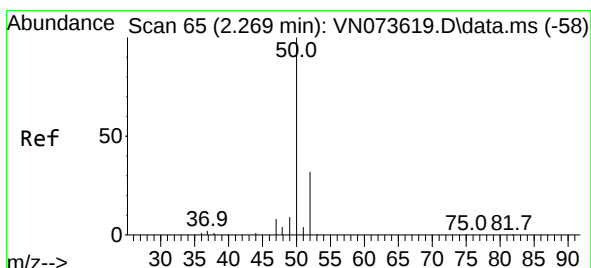
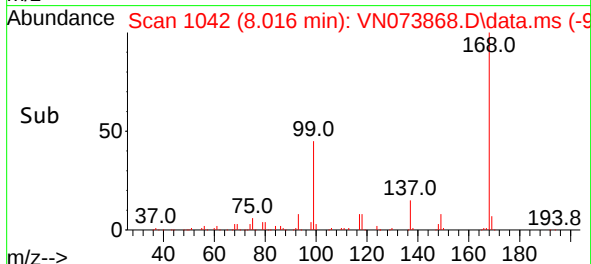
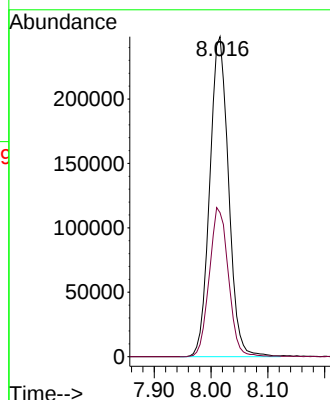
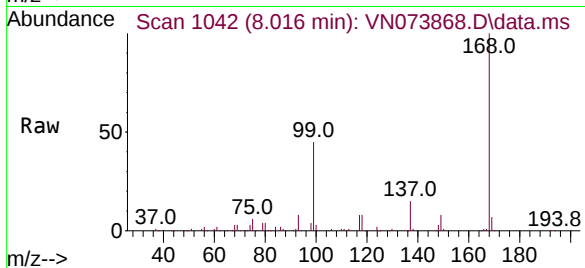




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073868.D
Acq: 13 Aug 2022 13:42

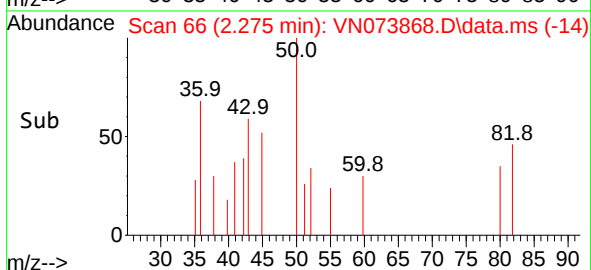
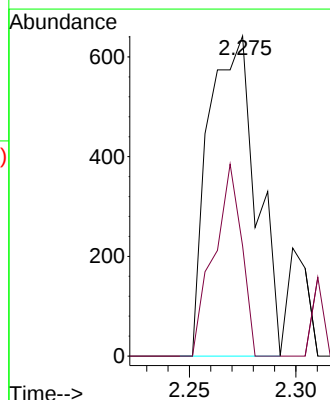
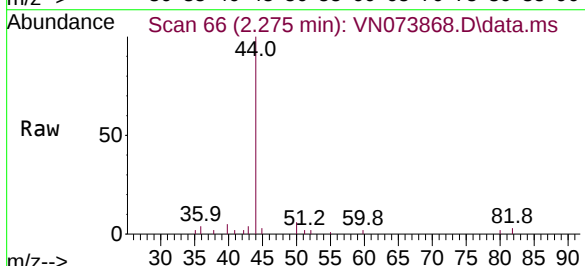
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

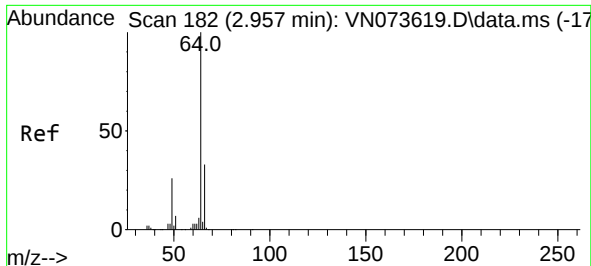
Tgt Ion:168 Resp: 569884
Ion Ratio Lower Upper
168 100
99 45.0 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.275 min Scan# 66
Delta R.T. 0.006 min
Lab File: VN073868.D
Acq: 13 Aug 2022 13:42

Tgt Ion: 50 Resp: 997
Ion Ratio Lower Upper
50 100
52 34.4 25.7 38.5

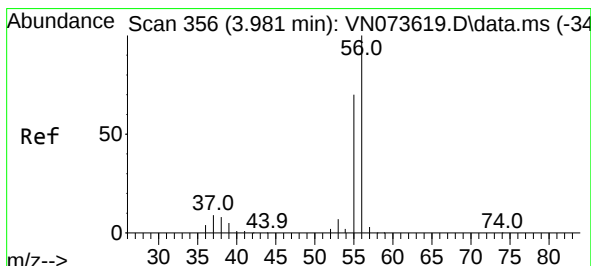
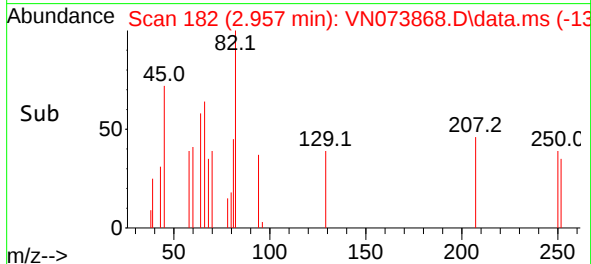
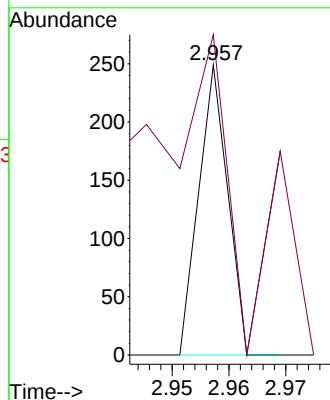
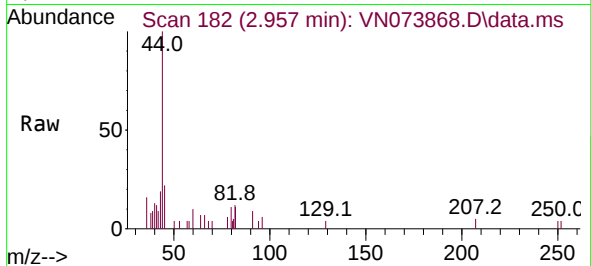




#6
Chloroethane
Concen: Below Cal
RT: 2.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073868.D
Acq: 13 Aug 2022 13:42

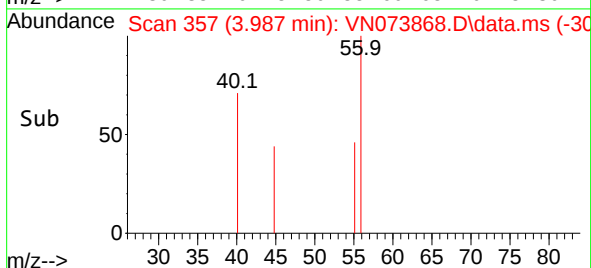
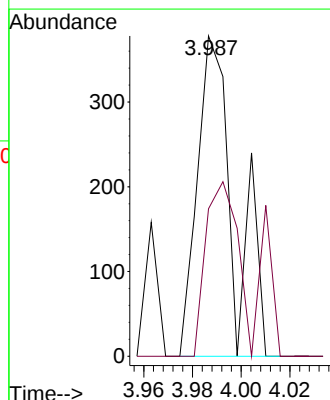
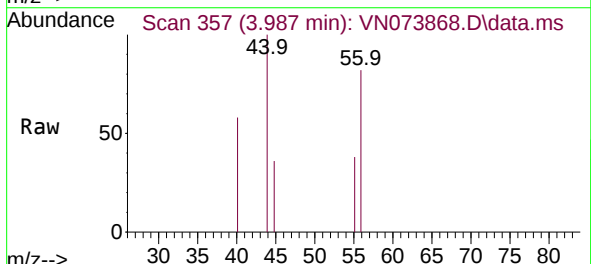
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

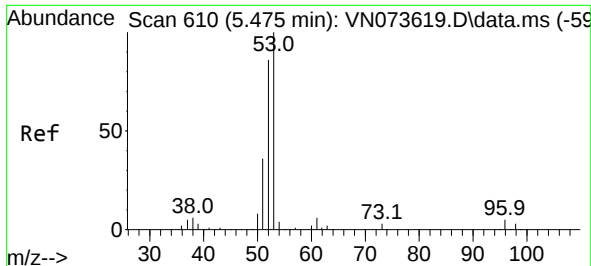
Tgt Ion: 64 Resp: 88
Ion Ratio Lower Upper
64 100
66 46.2 26.2 39.4#



#13
Acrolein
Concen: 0.265 ug/l
RT: 3.987 min Scan# 357
Delta R.T. 0.006 min
Lab File: VN073868.D
Acq: 13 Aug 2022 13:42

Tgt Ion: 56 Resp: 393
Ion Ratio Lower Upper
56 100
55 47.6 54.8 82.2#





#15

Acrylonitrile

Concen: 0.207 ug/l

RT: 5.481 min Scan# 610

Delta R.T. 0.006 min

Lab File: VN073868.D

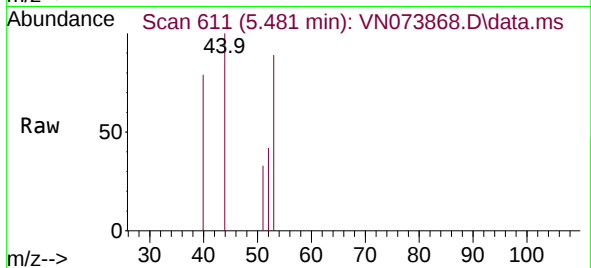
Acq: 13 Aug 2022 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBL01



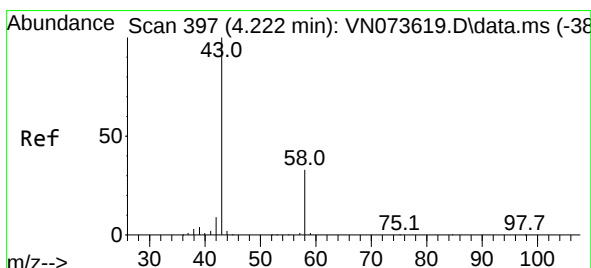
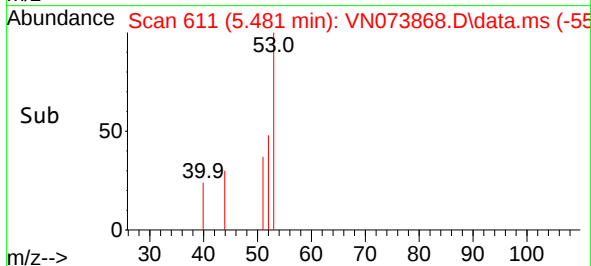
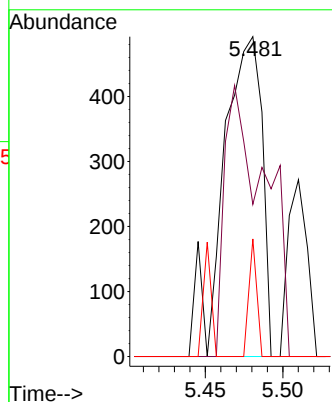
Tgt Ion: 53 Resp: 859

Ion Ratio Lower Upper

53 100

52 53.9 66.4 99.6#

51 7.5 28.5 42.7#



#16

Acetone

Concen: 0.390 ug/l

RT: 4.228 min Scan# 398

Delta R.T. 0.006 min

Lab File: VN073868.D

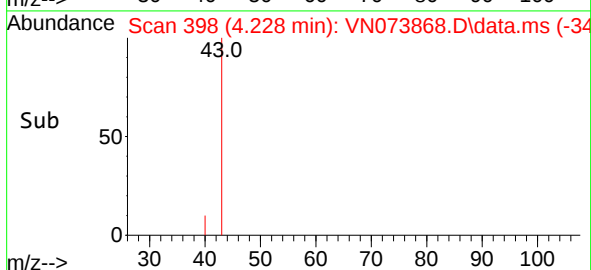
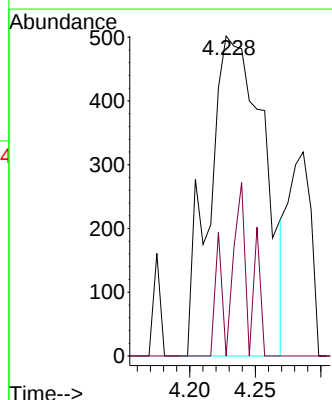
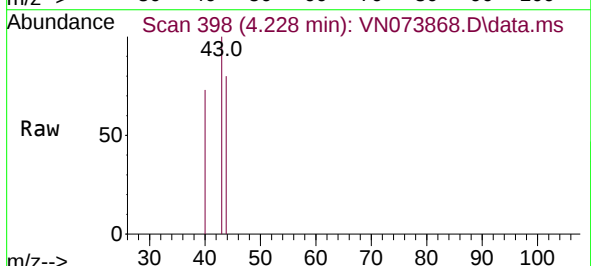
Acq: 13 Aug 2022 13:42

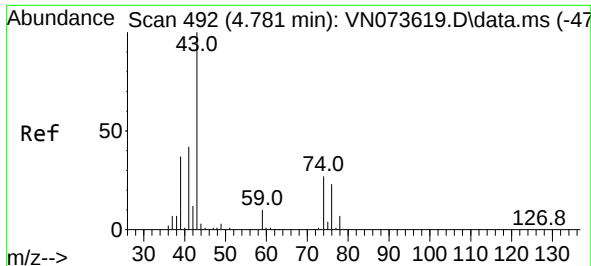
Tgt Ion: 43 Resp: 1454

Ion Ratio Lower Upper

43 100

58 0.0 26.0 39.0#

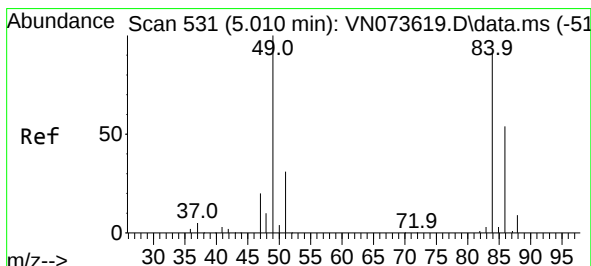
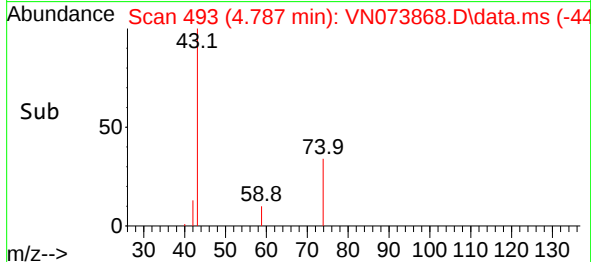
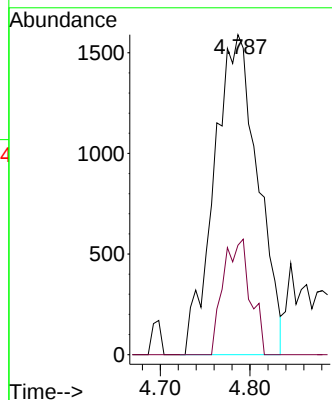
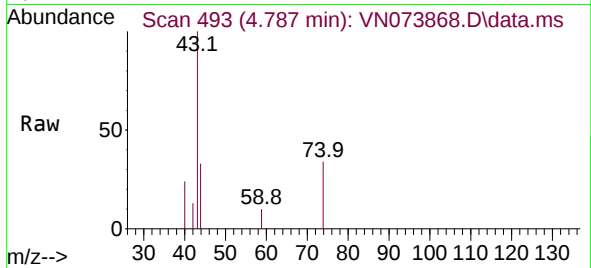




#18
Methyl Acetate
Concen: 0.579 ug/l
RT: 4.787 min Scan# 49
Delta R.T. 0.006 min
Lab File: VN073868.D
Acq: 13 Aug 2022 13:42

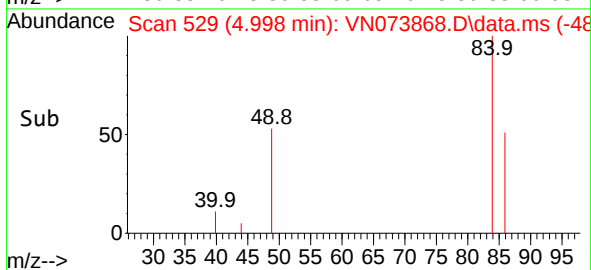
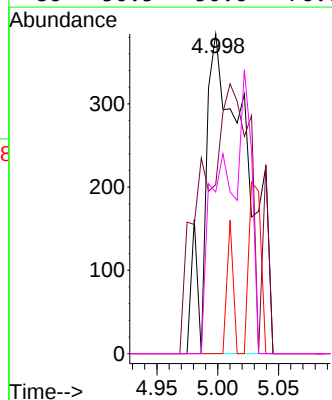
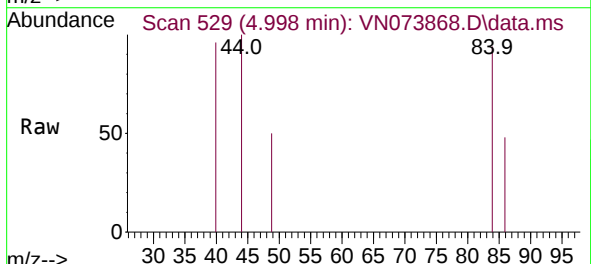
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

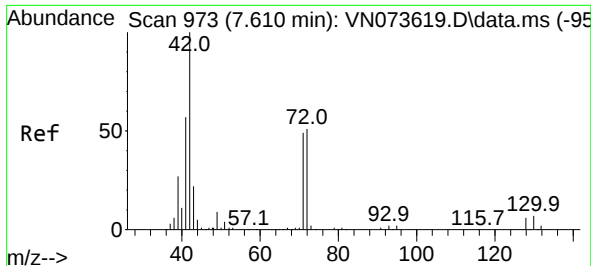
Tgt Ion: 43 Resp: 5377
Ion Ratio Lower Upper
43 100
74 22.4 21.6 32.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.998 min Scan# 529
Delta R.T. -0.012 min
Lab File: VN073868.D
Acq: 13 Aug 2022 13:42

Tgt Ion: 84 Resp: 918
Ion Ratio Lower Upper
84 100
49 52.9 88.3 132.5#
51 0.0 28.2 42.2#
86 50.5 50.6 76.0#





#29

Tetrahydrofuran

Concen: 0.315 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073868.D

Acq: 13 Aug 2022 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBL01

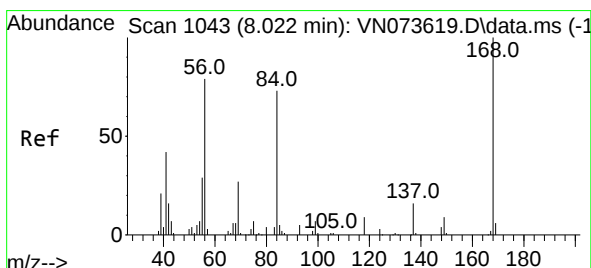
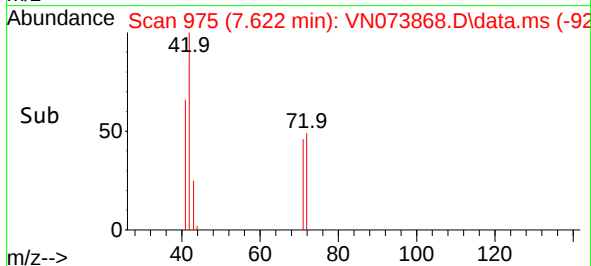
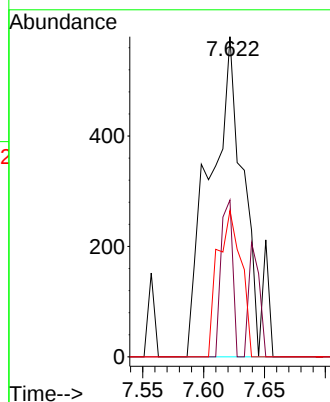
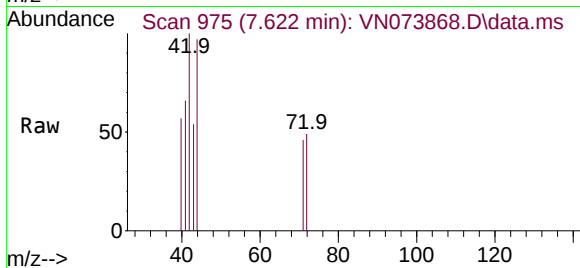
Tgt Ion: 42 Resp: 1154

Ion Ratio Lower Upper

42 100

72 16.4 39.7 59.5#

71 30.7 36.6 55.0#



#31

Cyclohexane

Concen: 0.888 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN073868.D

Acq: 13 Aug 2022 13:42

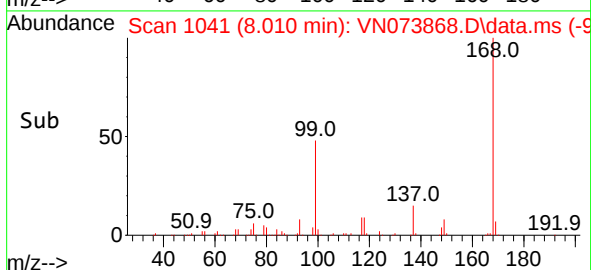
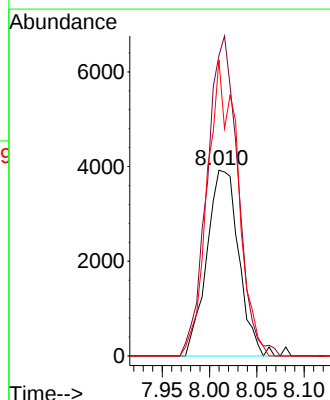
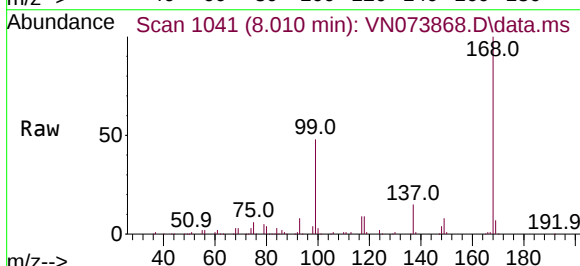
Tgt Ion: 56 Resp: 9179

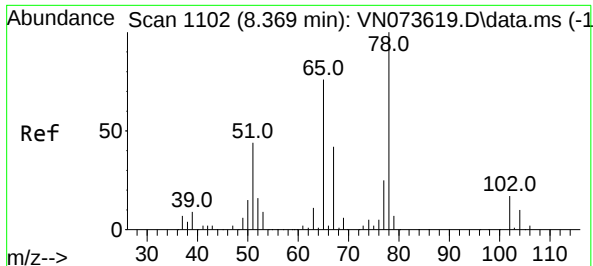
Ion Ratio Lower Upper

56 100

69 161.8 27.8 41.8#

84 171.6 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 39.371 ug/l

RT: 8.363 min Scan# 1101

Delta R.T. -0.006 min

Lab File: VN073868.D

Acq: 13 Aug 2022 13:42

Instrument :

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ClientSampleId :

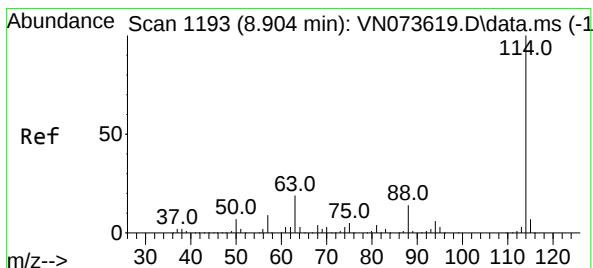
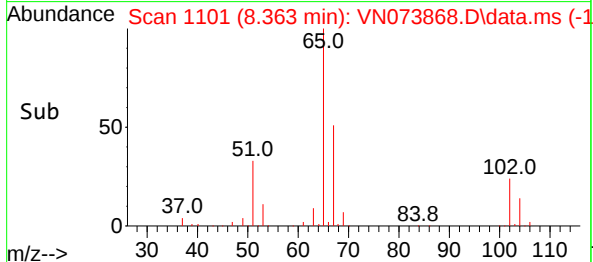
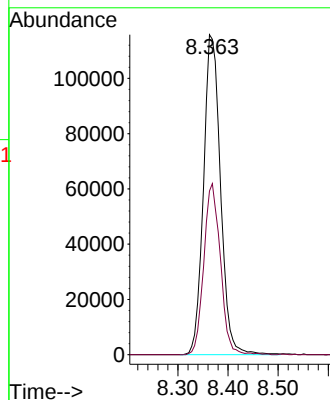
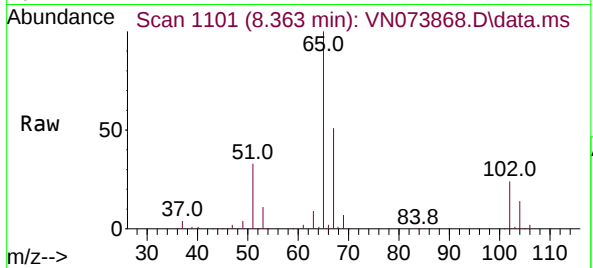
VN0813WBL01

Tgt Ion: 65 Resp: 273428

Ion Ratio Lower Upper

65 100

67 52.0 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: VN073868.D

Acq: 13 Aug 2022 13:42

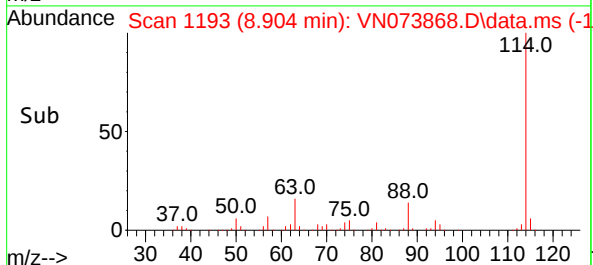
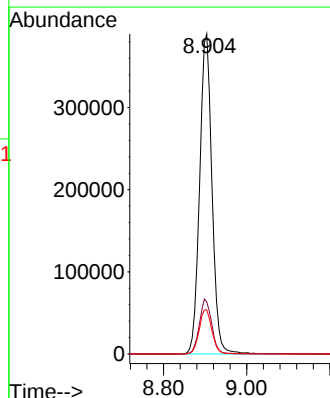
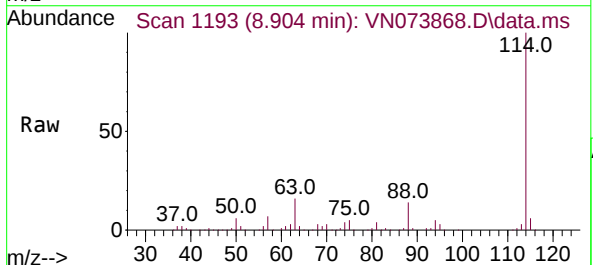
Tgt Ion: 114 Resp: 803680

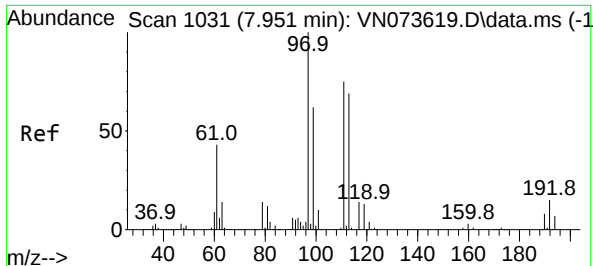
Ion Ratio Lower Upper

114 100

63 16.2 0.0 40.0

88 13.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.373 ug/l

RT: 7.951 min Scan# 1042

Delta R.T. -0.000 min

Lab File: VN073868.D

Acq: 13 Aug 2022 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBL01

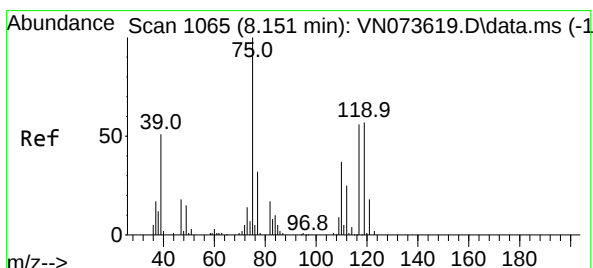
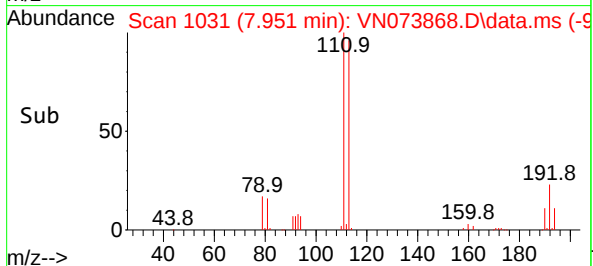
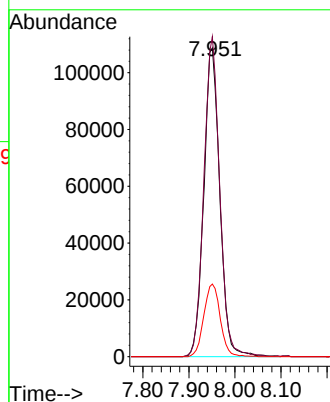
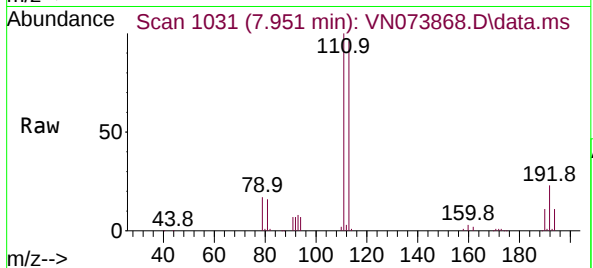
Tgt Ion:113 Resp: 264304

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

192 24.2 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.808 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073868.D

Acq: 13 Aug 2022 13:42

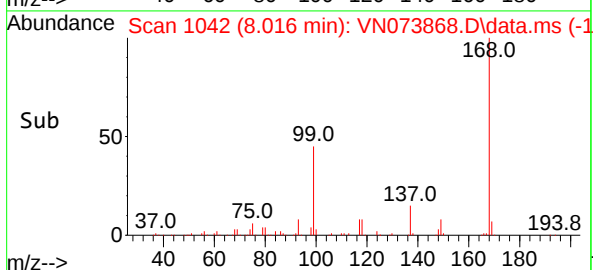
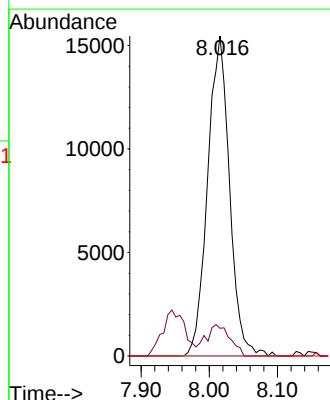
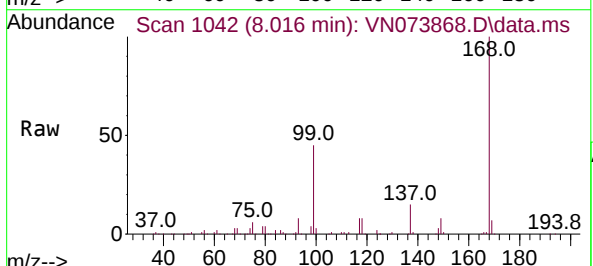
Tgt Ion: 75 Resp: 34579

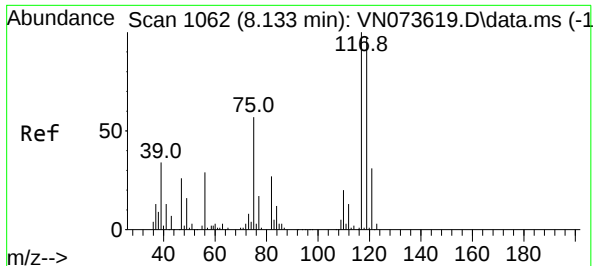
Ion Ratio Lower Upper

75 100

110 10.7 18.3 54.8#

77 0.0 25.1 37.7#

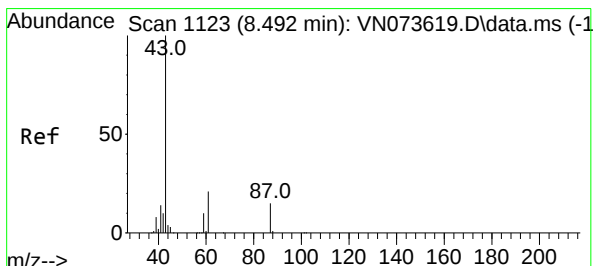
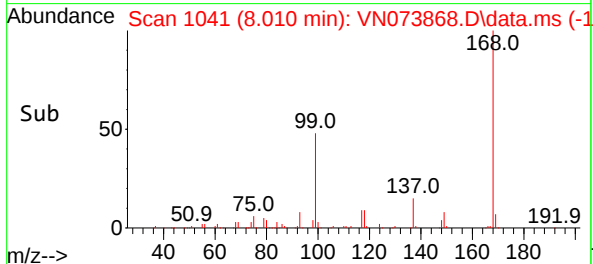
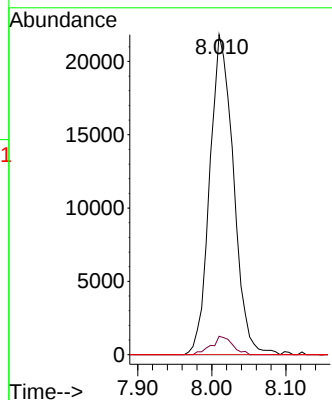
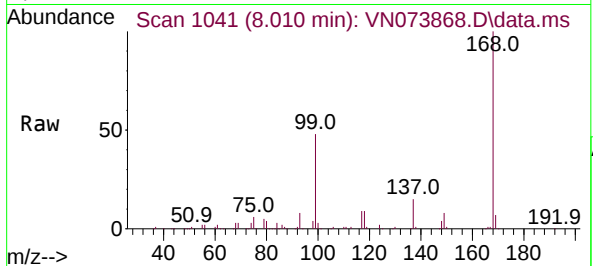




#38
Carbon Tetrachloride
Concen: 6.653 ug/l
RT: 8.010 min Scan# 1104
Delta R.T. -0.124 min
Lab File: VN073868.D
Acq: 13 Aug 2022 13:42

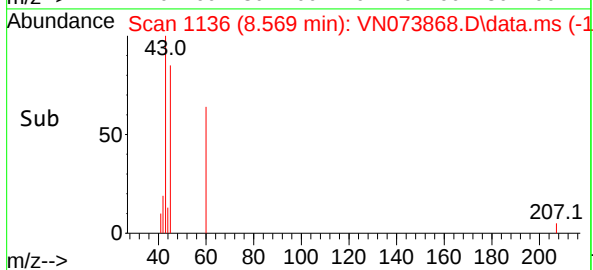
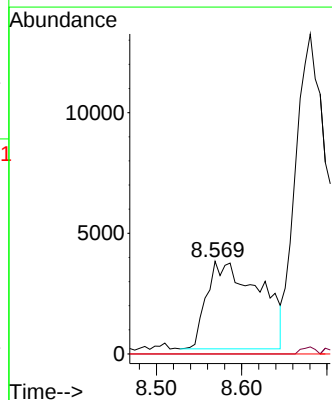
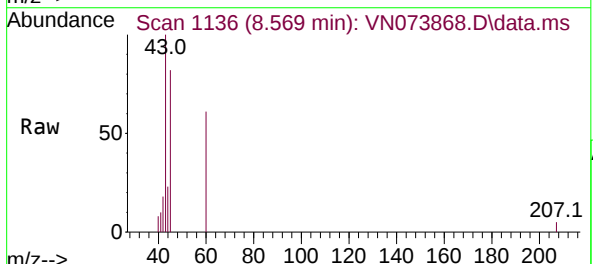
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

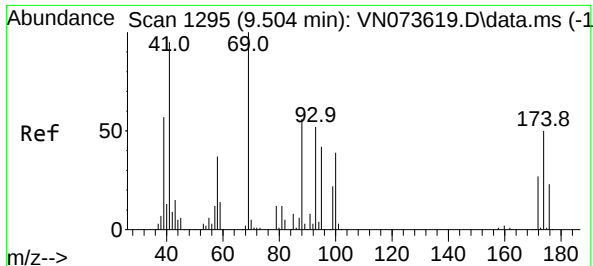
Tgt Ion:117 Resp: 48602
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 1.227 ug/l
RT: 8.569 min Scan# 1136
Delta R.T. 0.076 min
Lab File: VN073868.D
Acq: 13 Aug 2022 13:42

Tgt Ion: 43 Resp: 15704
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: 0.348 ug/l

RT: 9.504 min Scan# 1295

Delta R.T. -0.000 min

Lab File: VN073868.D

Acq: 13 Aug 2022 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBL01

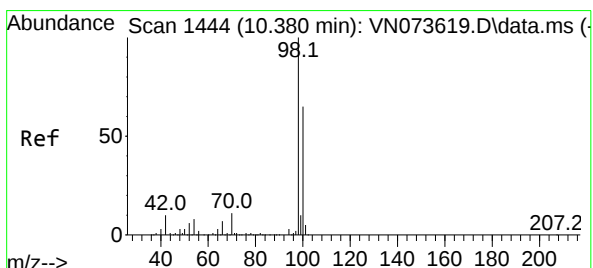
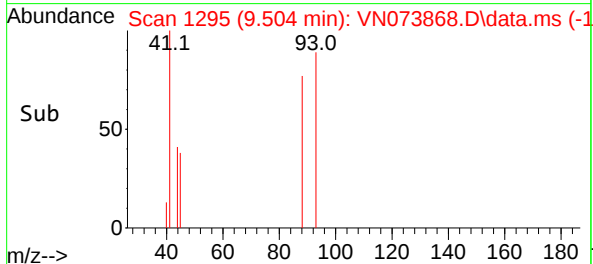
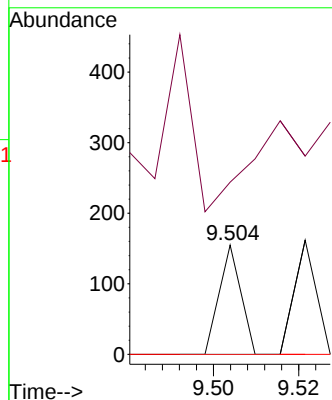
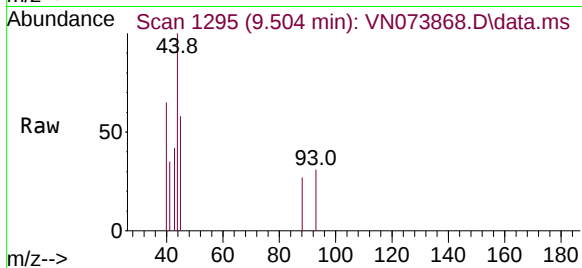
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 230.9 20.2 30.4#

58 0.0 54.2 81.4#



#50

Toluene-d8

Concen: 43.735 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. -0.000 min

Lab File: VN073868.D

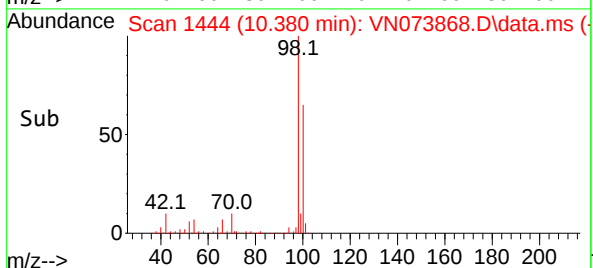
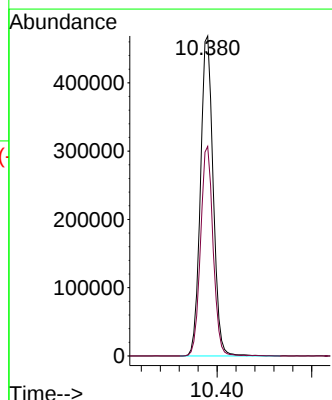
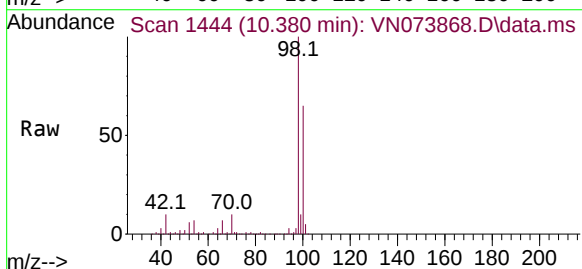
Acq: 13 Aug 2022 13:42

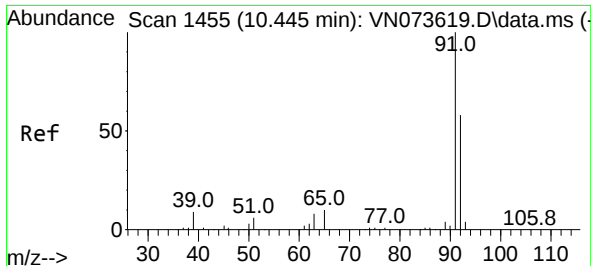
Tgt Ion: 98 Resp: 868524

Ion Ratio Lower Upper

98 100

100 65.0 52.6 78.8

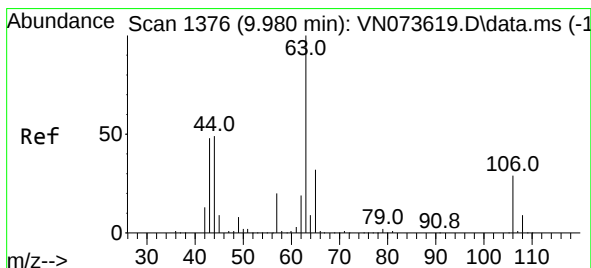
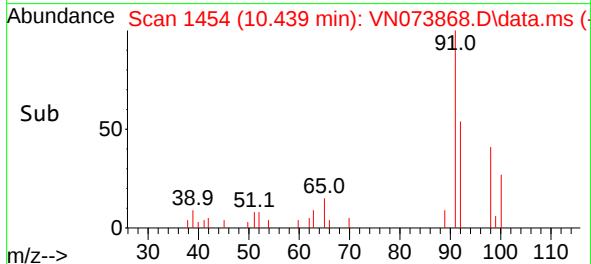
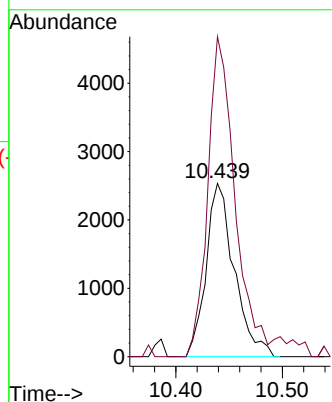
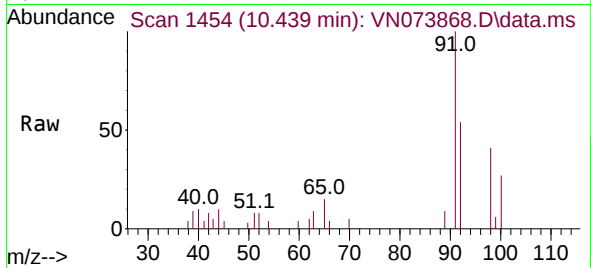




#52
Toluene
Concen: 0.325 ug/l
RT: 10.439 min Scan# 1455
Delta R.T. -0.006 min
Lab File: VN073868.D
Acq: 13 Aug 2022 13:42

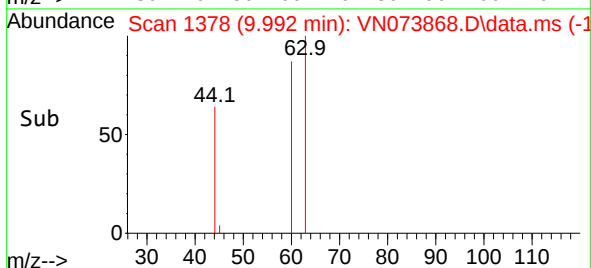
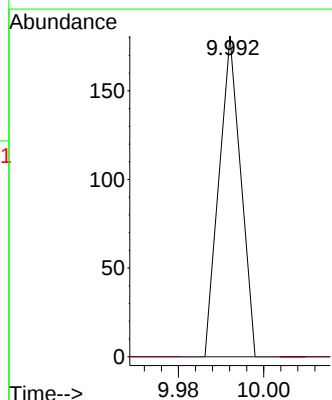
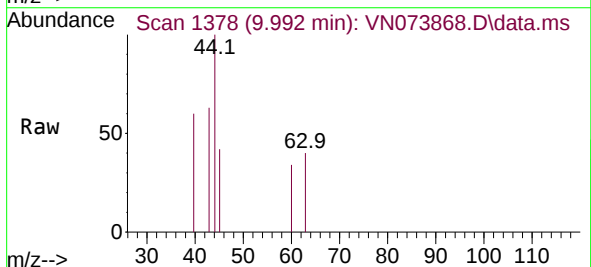
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

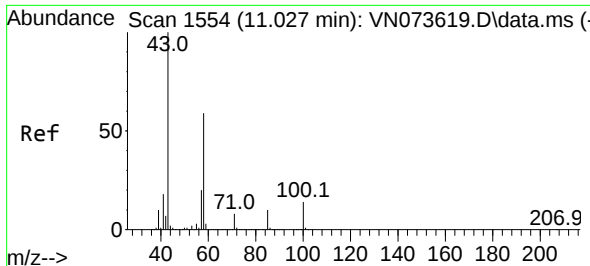
Tgt Ion: 92 Resp: 4642
Ion Ratio Lower Upper
92 100
91 180.5 138.6 207.8



#58
2-Chloroethyl Vinyl ether
Concen: 9.956 ug/l
RT: 9.992 min Scan# 1378
Delta R.T. 0.012 min
Lab File: VN073868.D
Acq: 13 Aug 2022 13:42

Tgt Ion: 63 Resp: 64
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#

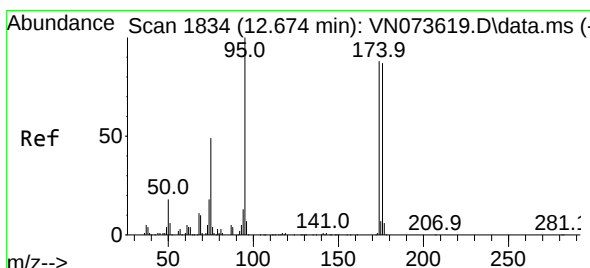
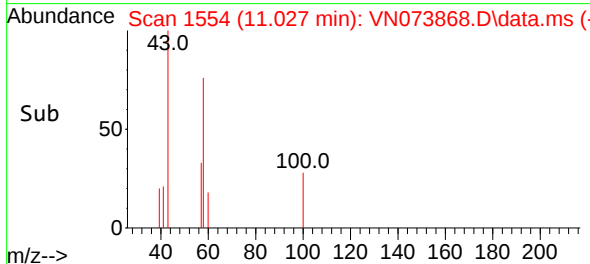
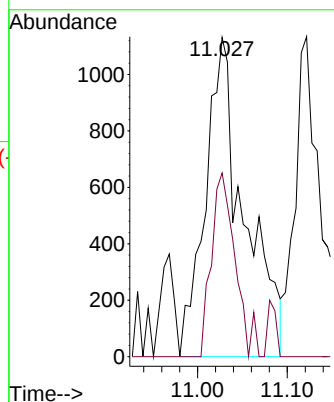
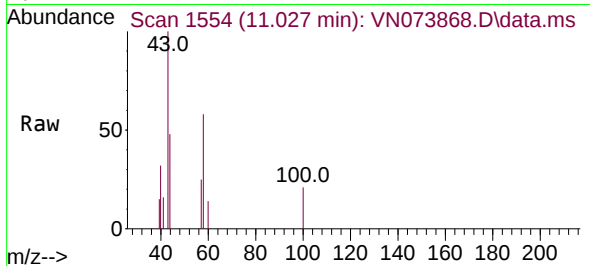




#59
2-Hexanone
Concen: 0.489 ug/l
RT: 11.027 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073868.D
Acq: 13 Aug 2022 13:42

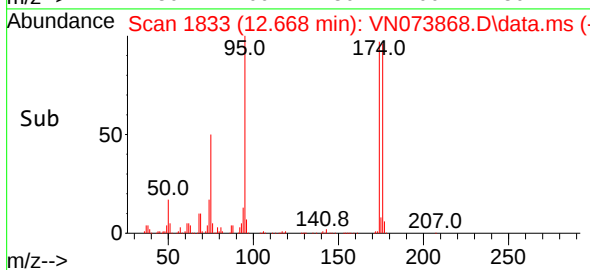
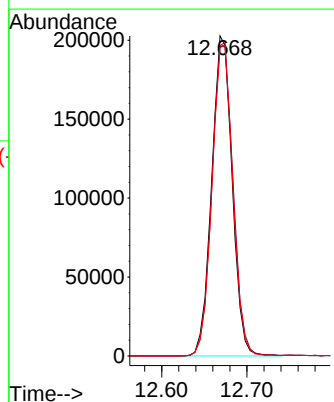
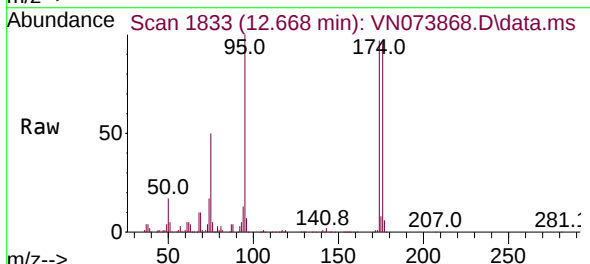
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

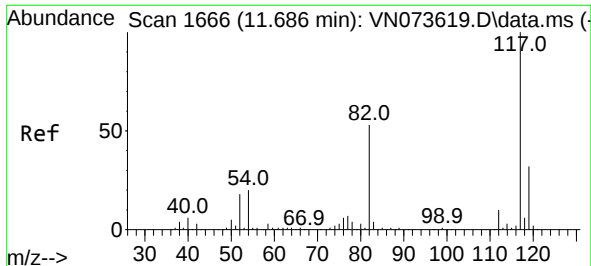
Tgt Ion: 43 Resp: 3400
Ion Ratio Lower Upper
43 100
58 35.1 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 48.594 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN073868.D
Acq: 13 Aug 2022 13:42

Tgt Ion: 95 Resp: 338201
Ion Ratio Lower Upper
95 100
174 100.6 0.0 167.6
176 98.6 0.0 163.4

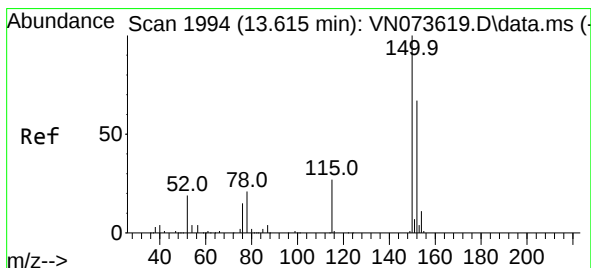
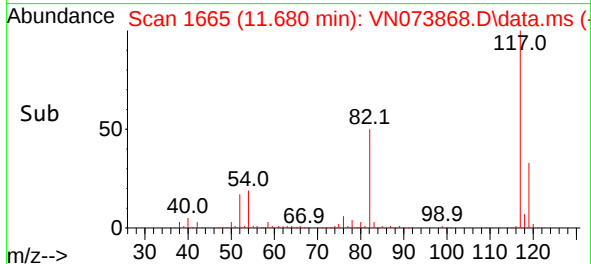
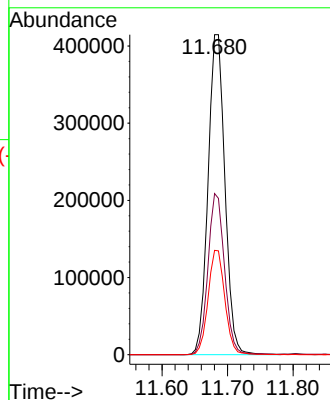
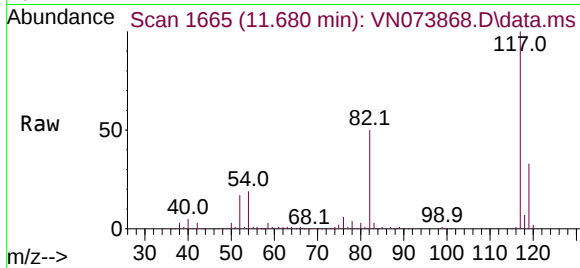




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073868.D
Acq: 13 Aug 2022 13:42

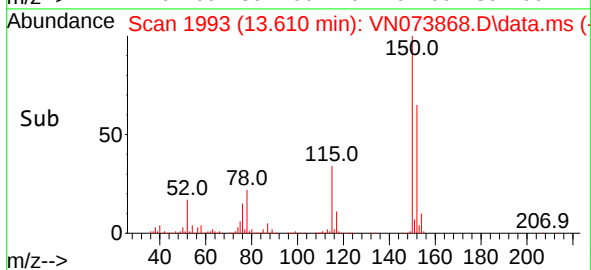
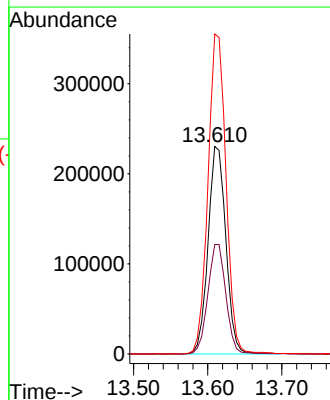
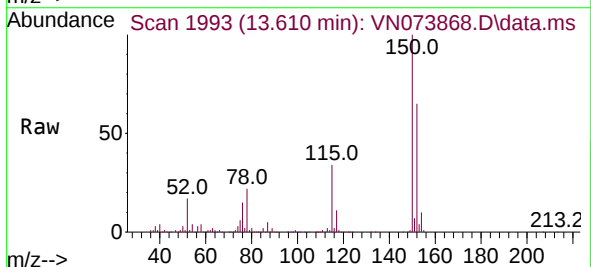
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

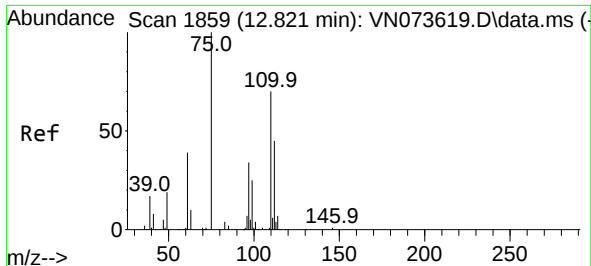
Tgt Ion:117 Resp: 740981
Ion Ratio Lower Upper
117 100
82 50.4 44.2 66.2
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.006 min
Lab File: VN073868.D
Acq: 13 Aug 2022 13:42

Tgt Ion:152 Resp: 384998
Ion Ratio Lower Upper
152 100
115 53.5 28.9 86.7
150 156.2 0.0 356.2

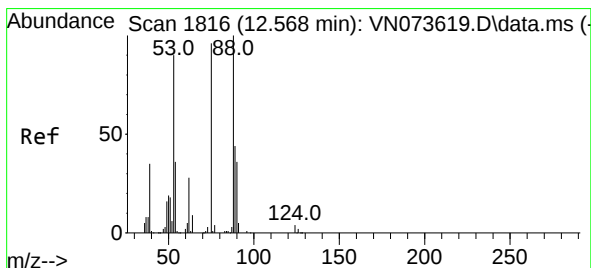
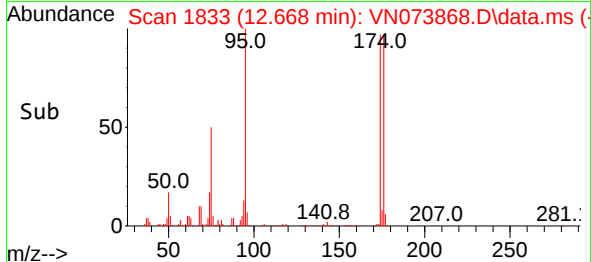
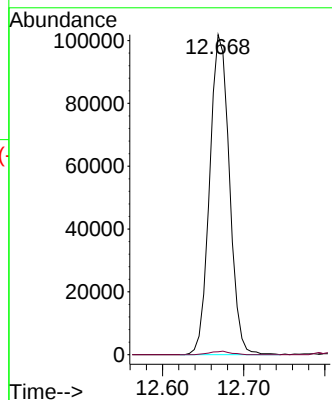
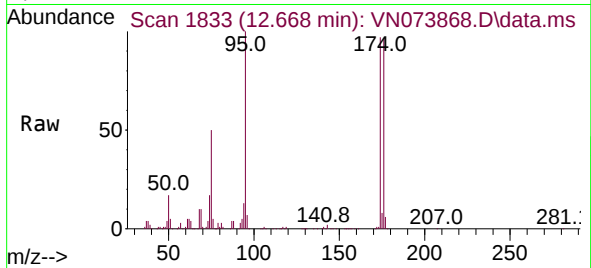




#76
1,2,3-Trichloropropane
Concen: 22.605 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN073868.D
Acq: 13 Aug 2022 13:42

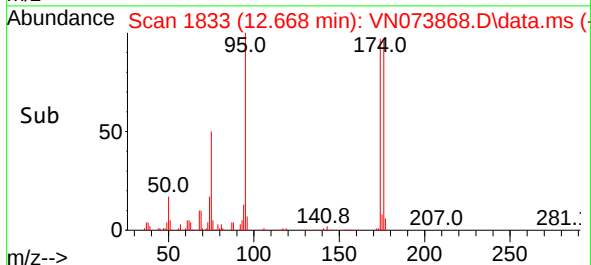
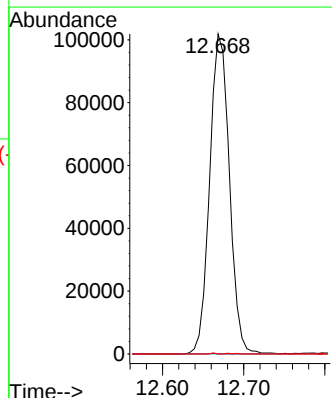
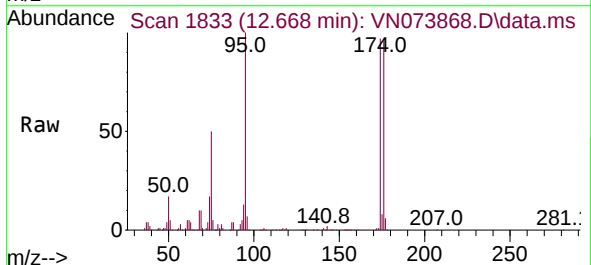
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

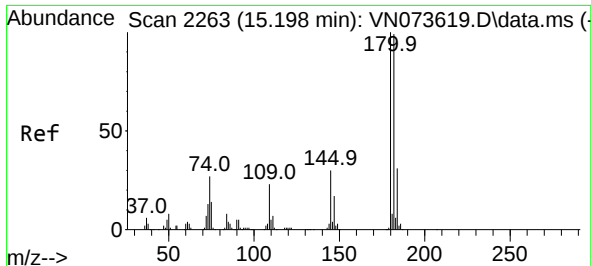
Tgt Ion: 75 Resp: 171887
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.858 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.100 min
Lab File: VN073868.D
Acq: 13 Aug 2022 13:42

Tgt Ion: 75 Resp: 171887
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#

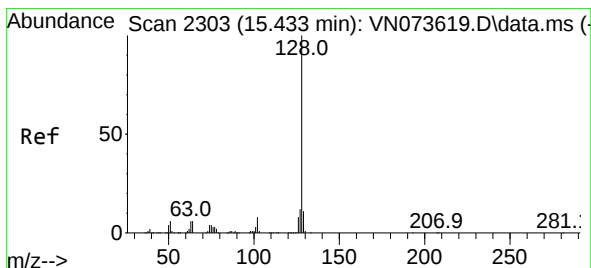
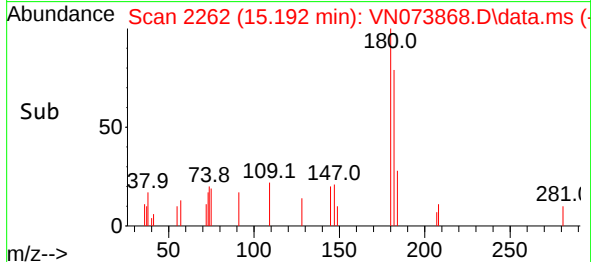
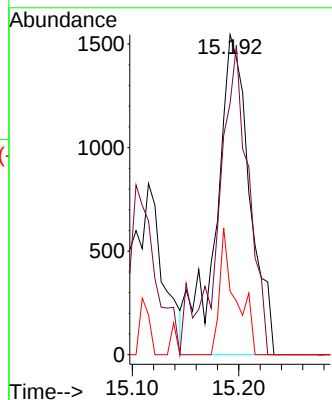
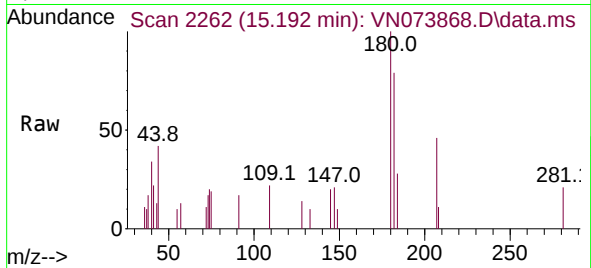




#93
1,2,4-Trichlorobenzene
Concen: 0.502 ug/l
RT: 15.192 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN073868.D
Acq: 13 Aug 2022 13:42

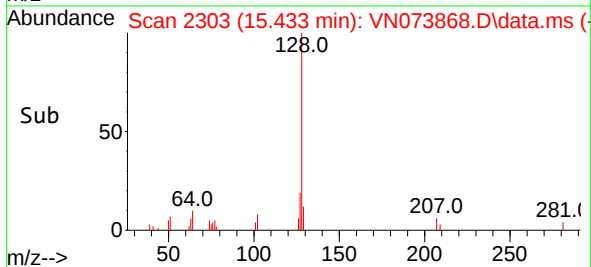
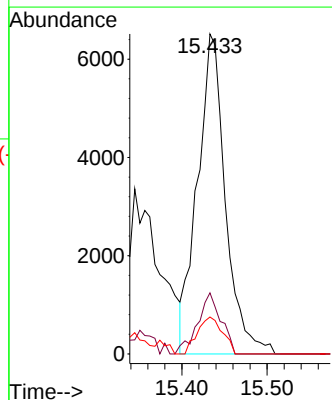
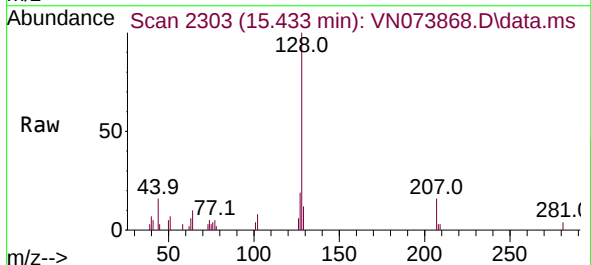
Instrument :
MSVOA_N
ClientSampleId :
VN0813WBL01

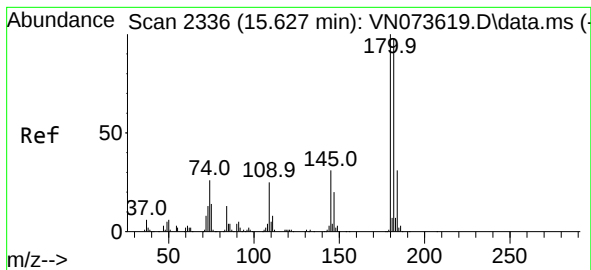
Tgt Ion:180 Resp: 3385
Ion Ratio Lower Upper
180 100
182 87.7 47.5 142.5
145 19.2 14.5 43.5



#95
Naphthalene
Concen: 0.678 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN073868.D
Acq: 13 Aug 2022 13:42

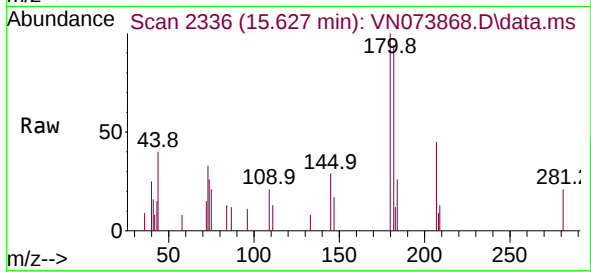
Tgt Ion:128 Resp: 14843
Ion Ratio Lower Upper
128 100
127 16.0 10.3 15.5#
129 10.4 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.543 ug/l
 RT: 15.627 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN073868.D
 Acq: 13 Aug 2022 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBL01



Tgt Ion:	180	Resp:	3854
Ion	Ratio	Lower	Upper
180	100		
182	106.0	47.8	143.3
145	32.2	15.5	46.5

