

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040422\
 Data File : VN071831.D
 Acq On : 04 Apr 2022 15:05
 Operator : JC\MD
 Sample : N2233-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-REF-4

Quant Time: Apr 05 01:18:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

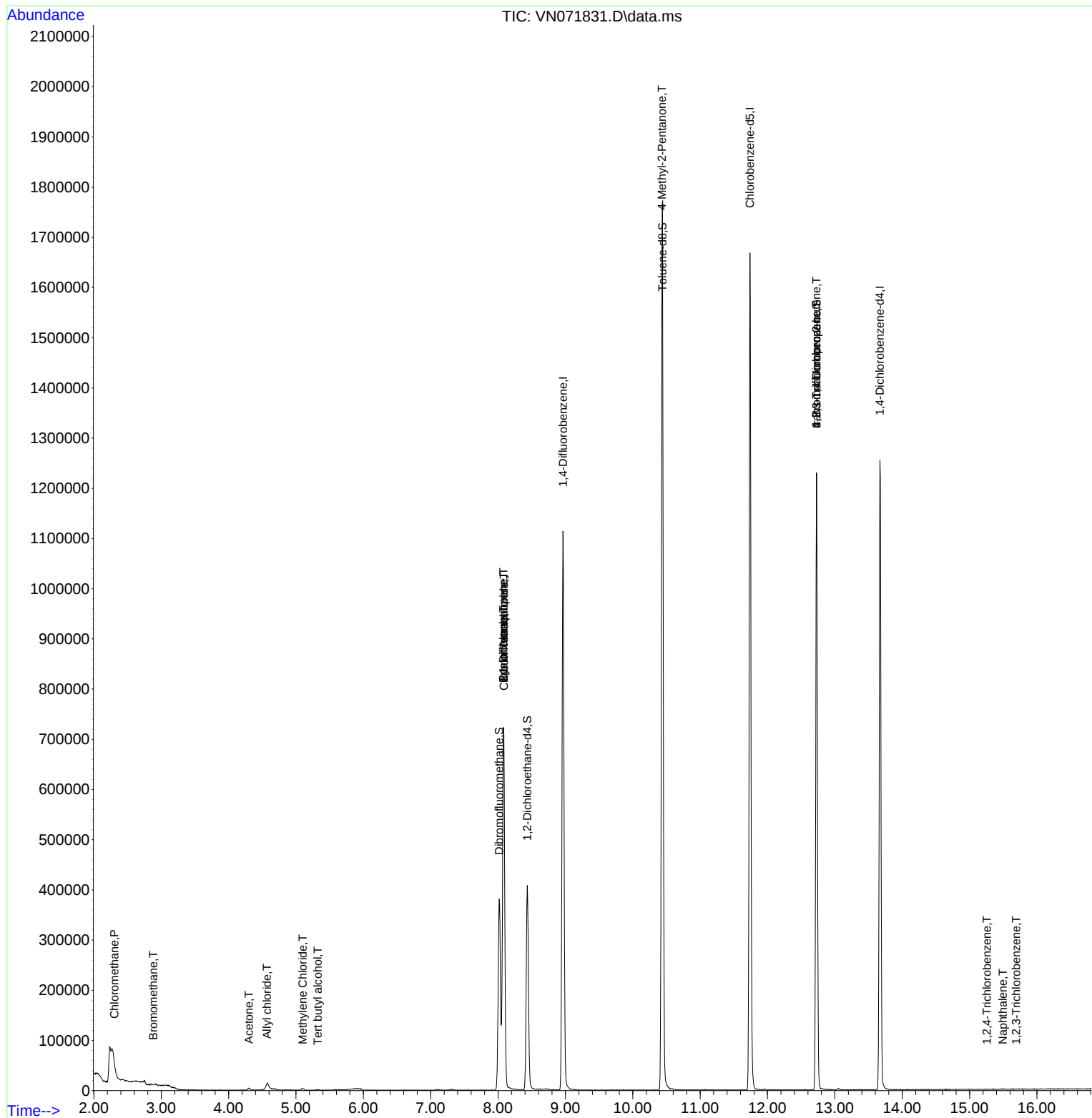
Internal Standards						
1) Pentafluorobenzene	8.081	168	602668	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1025890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1035707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	381191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	341903	49.694	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.380%
35) Dibromofluoromethane	8.016	113	293030	48.541	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.080%
50) Toluene-d8	10.439	98	1282033	51.915	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.820%
62) 4-Bromofluorobenzene	12.727	95	436200	54.615	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	109.240%
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	6576	1.083	ug/l #	73
5) Bromomethane	2.881	94	1472	0.340	ug/l #	65
11) Tert butyl alcohol	5.322	59	687	0.615	ug/l #	72
14) Allyl chloride	4.569	41	1821	0.226	ug/l #	69
16) Acetone	4.298	43	4769	1.622	ug/l	90
18) Methyl Acetate	4.857	43	1554	Below Cal	#	63
20) Methylene Chloride	5.098	84	2515	0.406	ug/l #	87
31) Cyclohexane	8.081	56	10048	1.074	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	41731	4.950	ug/l #	47
38) Carbon Tetrachloride	8.086	117	54365	6.580	ug/l #	15
51) 4-Methyl-2-Pentanone	10.433	43	4578	0.519	ug/l #	1
76) 1,2,3-Trichloropropane	12.727	75	211979	24.005	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	211979	74.391	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.257	180	76	2.098	ug/l #	12
95) Naphthalene	15.492	128	638	3.837	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.692	180	53	2.423	ug/l #	83

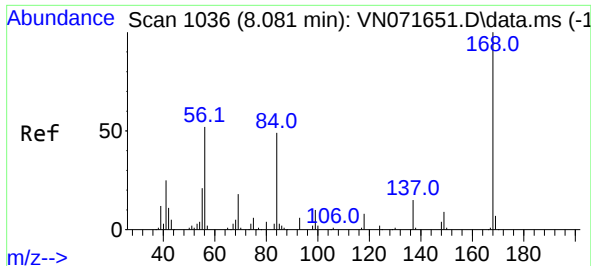
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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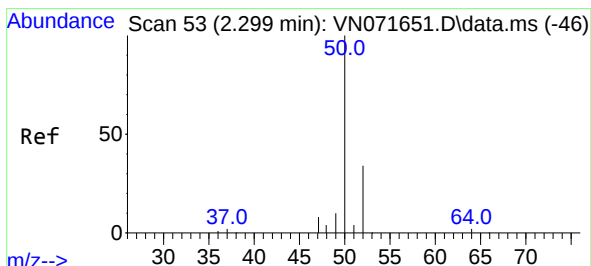
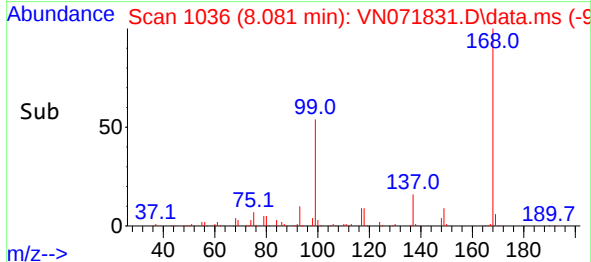
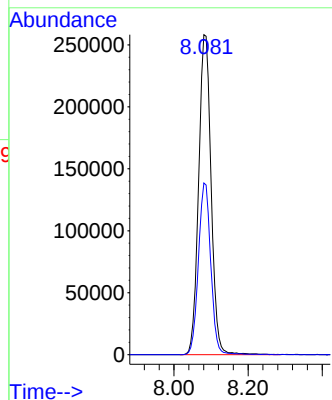
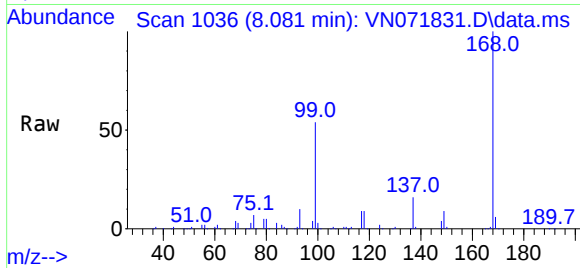




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071831.D
Acq: 04 Apr 2022 15:05

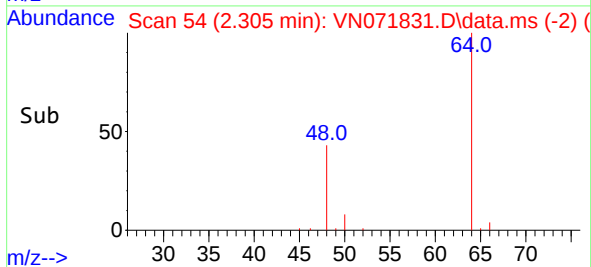
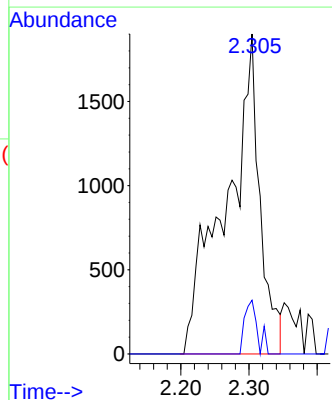
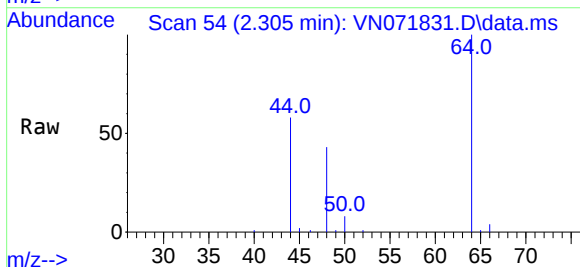
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-REF-4

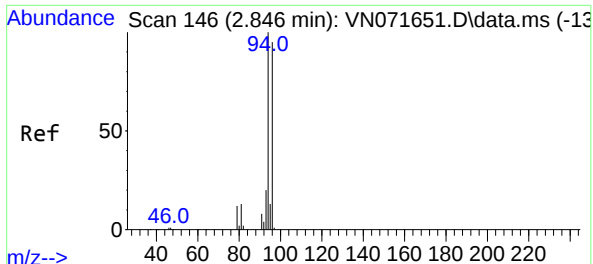
Tgt Ion:168 Resp: 602668
Ion Ratio Lower Upper
168 100
99 53.7 42.3 63.5



#3
Chloromethane
Concen: 1.083 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071831.D
Acq: 04 Apr 2022 15:05

Tgt Ion: 50 Resp: 6576
Ion Ratio Lower Upper
50 100
52 16.8 25.7 38.5#

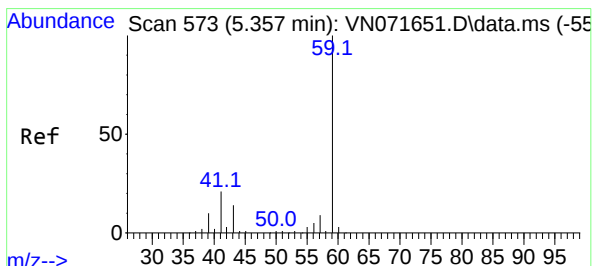
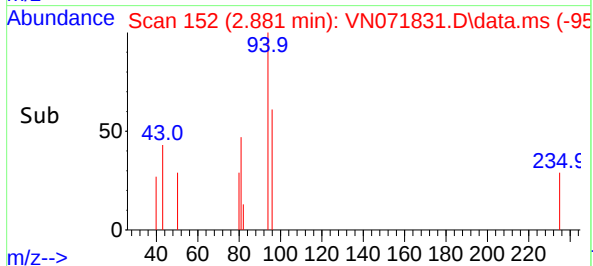
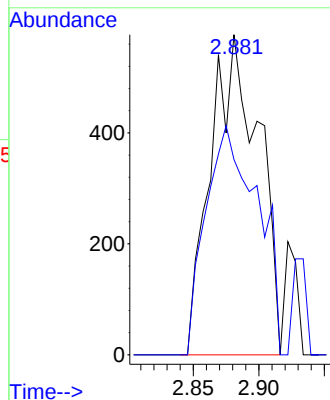
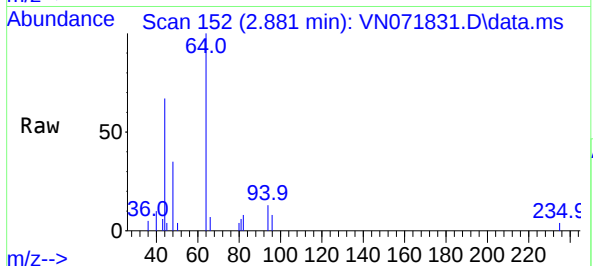




#5
Bromomethane
Concen: 0.340 ug/l
RT: 2.881 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN071831.D
Acq: 04 Apr 2022 15:05

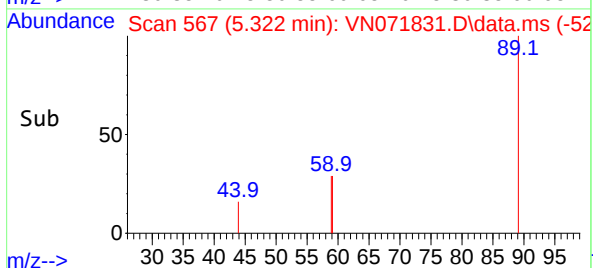
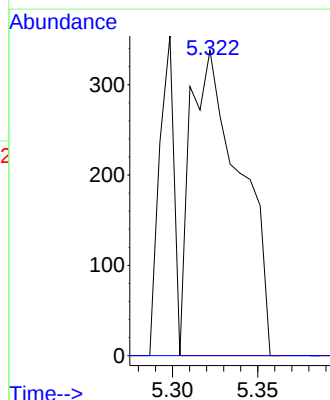
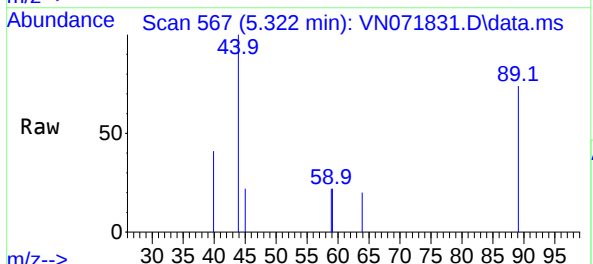
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-REF-4

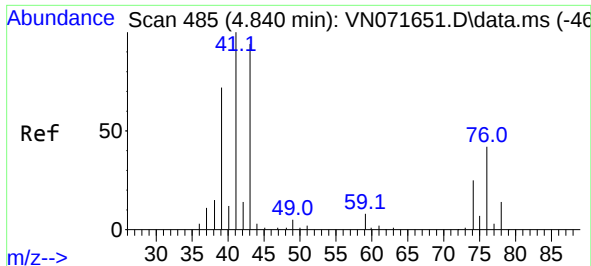
Tgt Ion: 94 Resp: 1472
Ion Ratio Lower Upper
94 100
96 61.0 76.0 114.0#



#11
Tert butyl alcohol
Concen: 0.615 ug/l
RT: 5.322 min Scan# 567
Delta R.T. -0.035 min
Lab File: VN071831.D
Acq: 04 Apr 2022 15:05

Tgt Ion: 59 Resp: 687
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

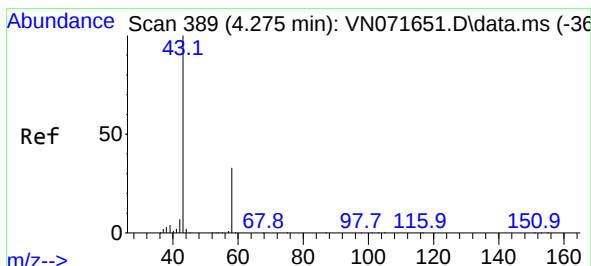
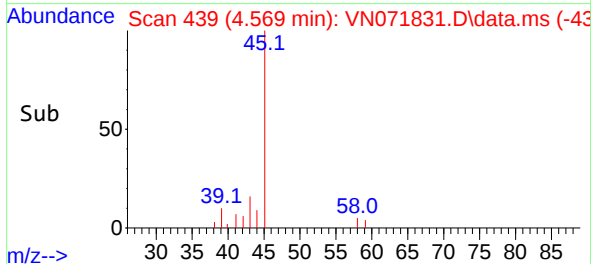
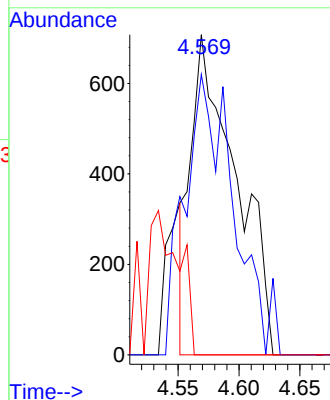
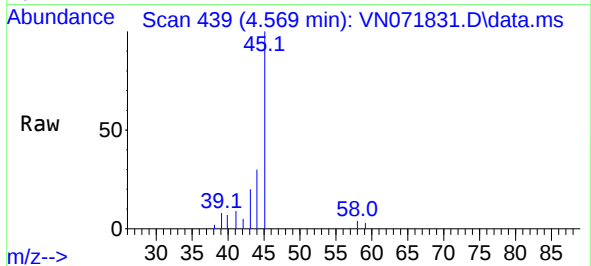




#14
 Allyl chloride
 Concen: 0.226 ug/l
 RT: 4.569 min Scan# 41
 Delta R.T. -0.271 min
 Lab File: VN071831.D
 Acq: 04 Apr 2022 15:05

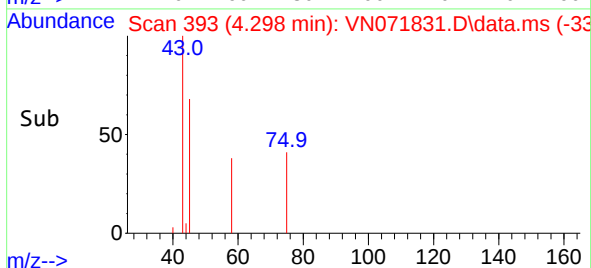
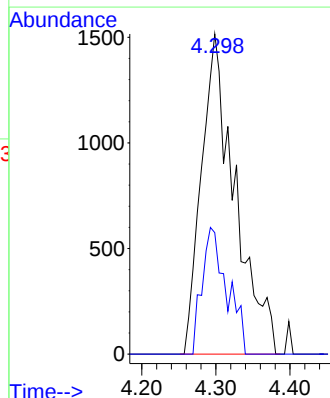
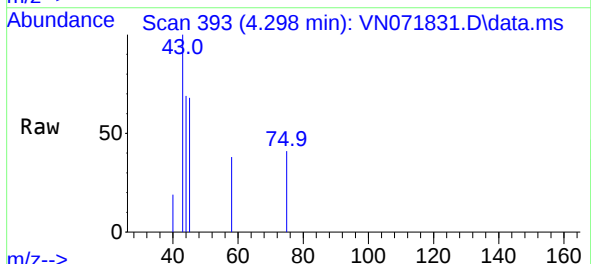
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-REF-4

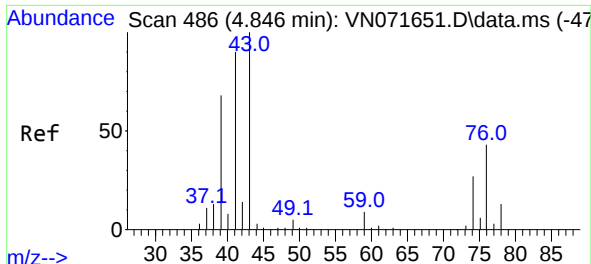
Tgt Ion: 41 Resp: 1821
 Ion Ratio Lower Upper
 41 100
 39 77.7 53.2 79.8
 76 0.0 29.9 44.9#



#16
 Acetone
 Concen: 1.622 ug/l
 RT: 4.298 min Scan# 393
 Delta R.T. 0.023 min
 Lab File: VN071831.D
 Acq: 04 Apr 2022 15:05

Tgt Ion: 43 Resp: 4769
 Ion Ratio Lower Upper
 43 100
 58 37.9 26.0 39.0

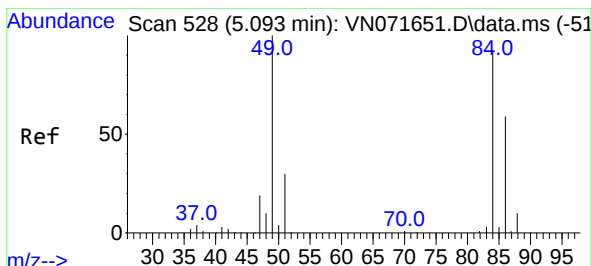
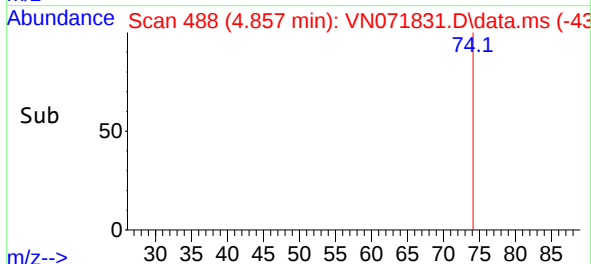
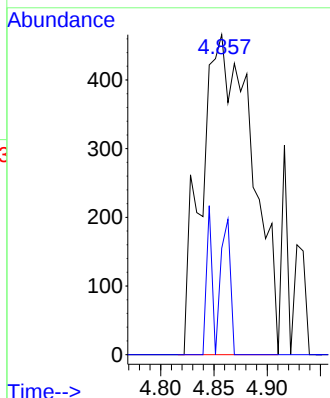
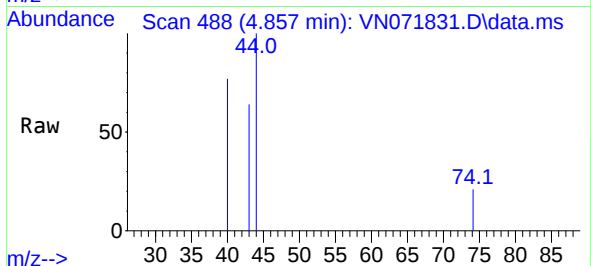




#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN071831.D
Acq: 04 Apr 2022 15:05

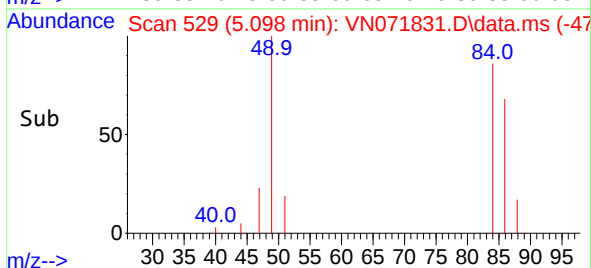
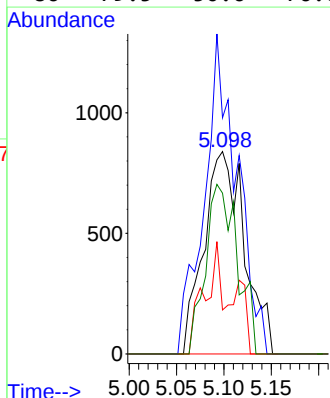
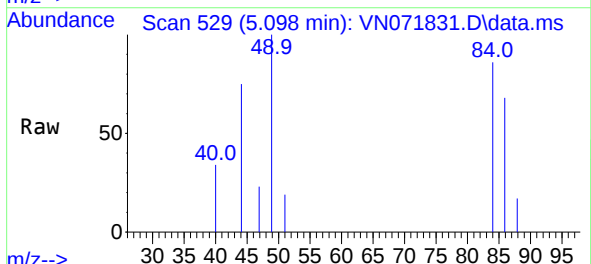
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-REF-4

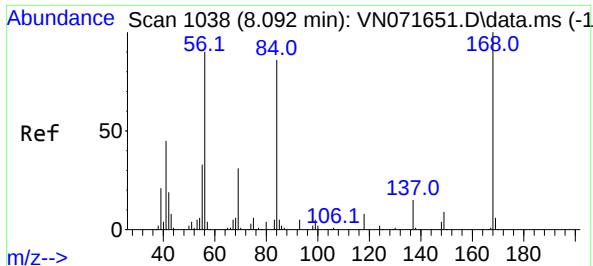
Tgt Ion: 43 Resp: 1554
Ion Ratio Lower Upper
43 100
74 8.0 21.6 32.4#



#20
Methylene Chloride
Concen: 0.406 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN071831.D
Acq: 04 Apr 2022 15:05

Tgt Ion: 84 Resp: 2515
Ion Ratio Lower Upper
84 100
49 116.7 88.3 132.5
51 21.7 28.2 42.2#
86 79.5 50.6 76.0#





#31

Cyclohexane

Concen: 1.074 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN071831.D

Acq: 04 Apr 2022 15:05

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-REF-4

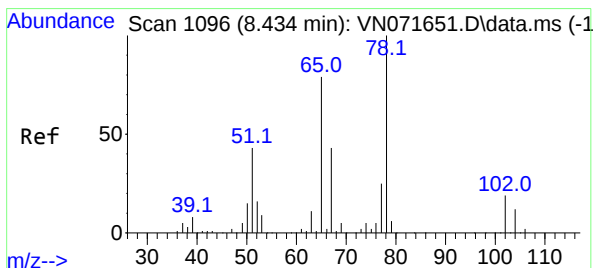
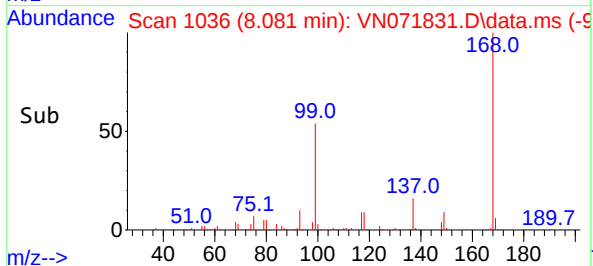
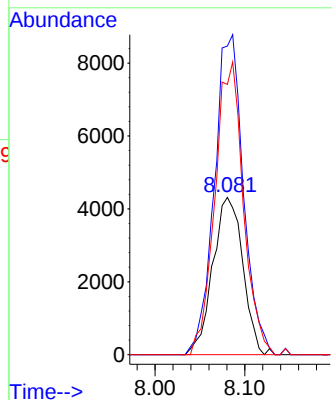
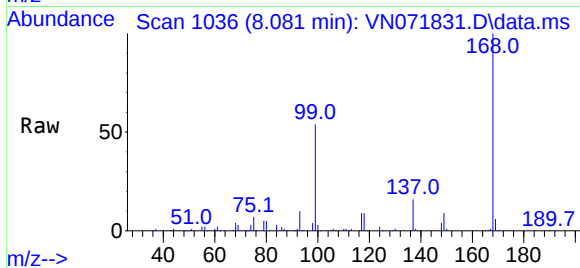
Tgt Ion: 56 Resp: 10048

Ion Ratio Lower Upper

56 100

69 196.2 27.8 41.8#

84 171.8 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 49.694 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN071831.D

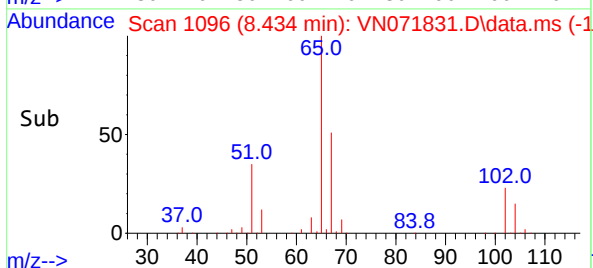
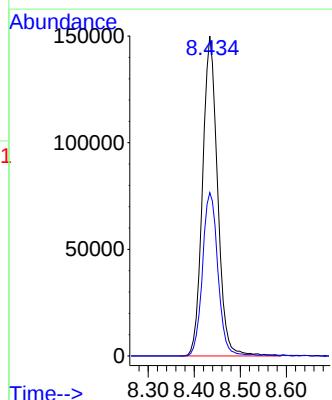
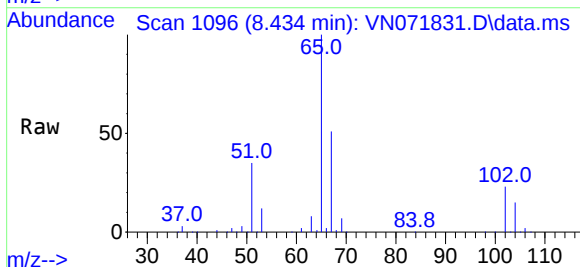
Acq: 04 Apr 2022 15:05

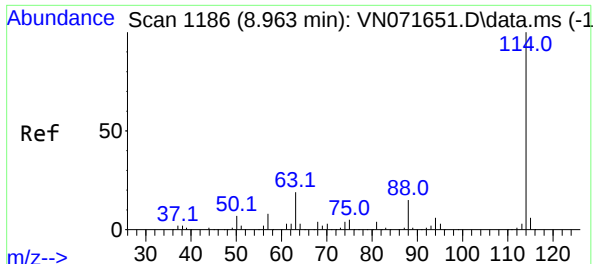
Tgt Ion: 65 Resp: 341903

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071831.D

Acq: 04 Apr 2022 15:05

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-REF-4

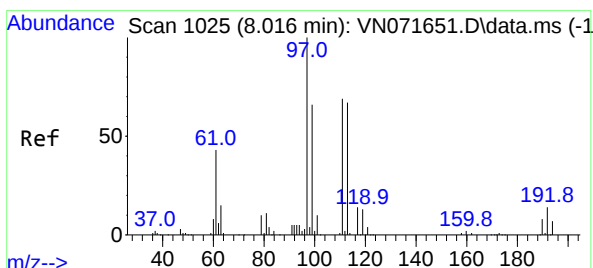
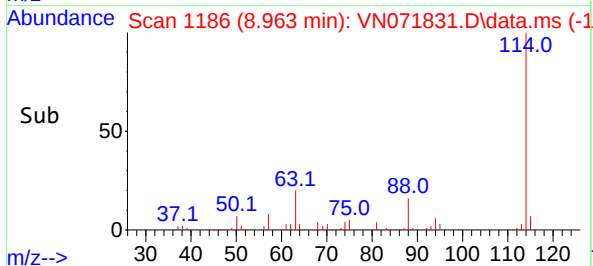
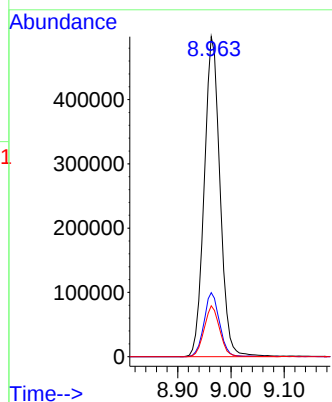
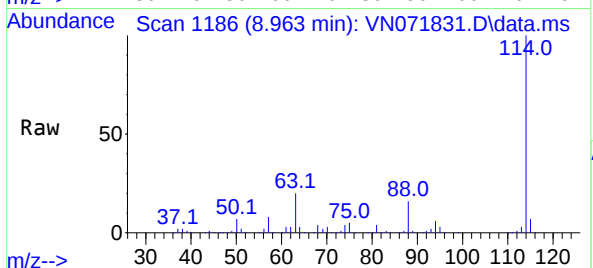
Tgt Ion:114 Resp: 1025890

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.541 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN071831.D

Acq: 04 Apr 2022 15:05

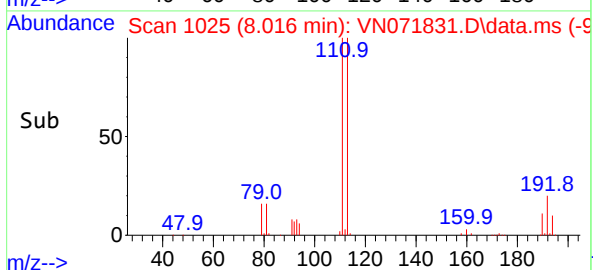
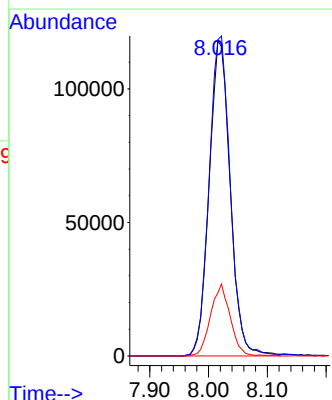
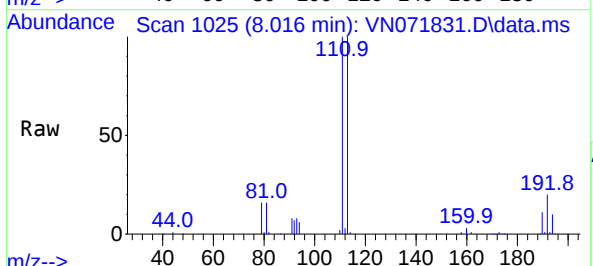
Tgt Ion:113 Resp: 293030

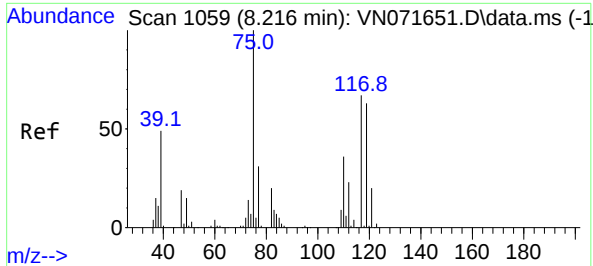
Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

192 21.2 17.0 25.6

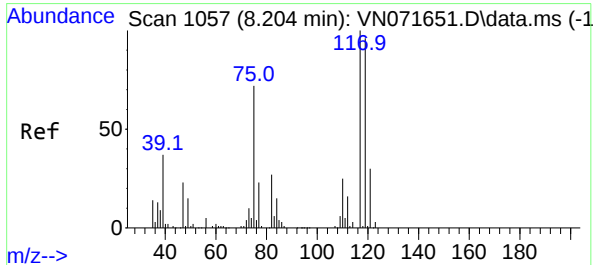
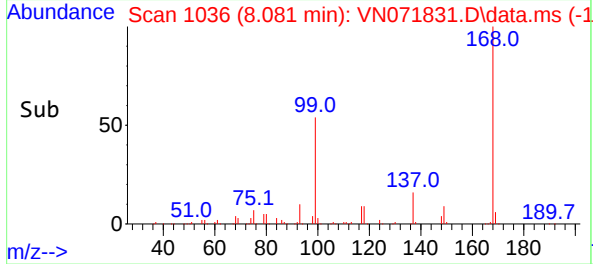
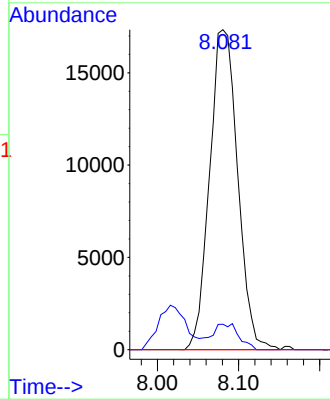
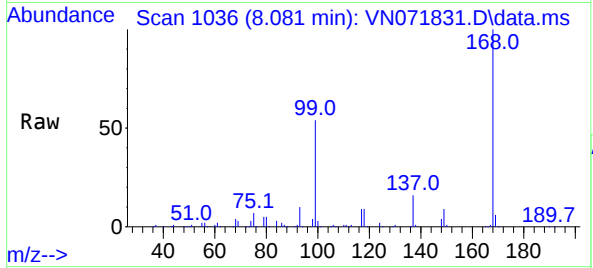




#36
1,1-Dichloropropene
Concen: 4.950 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071831.D
Acq: 04 Apr 2022 15:05

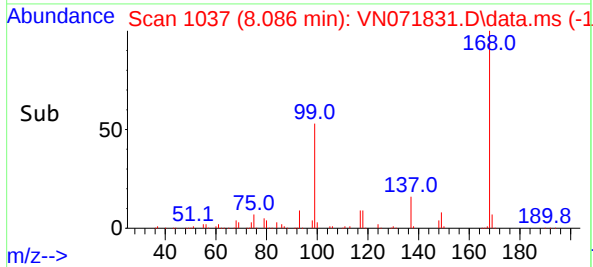
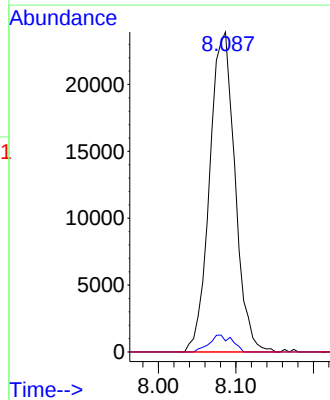
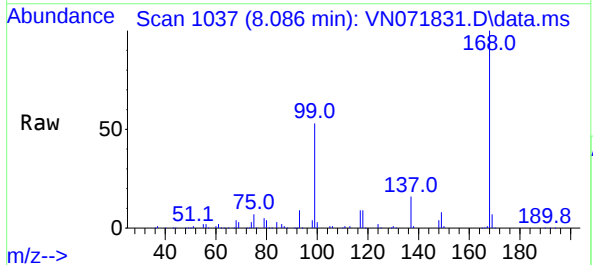
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-REF-4

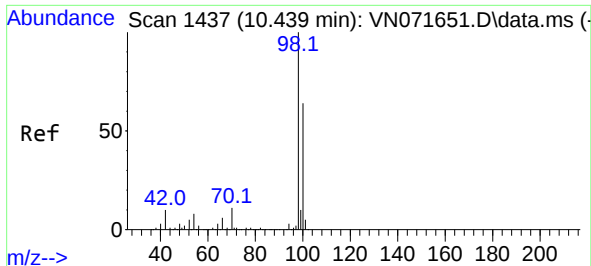
Tgt Ion: 75 Resp: 41731
Ion Ratio Lower Upper
75 100
110 7.4 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.580 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN071831.D
Acq: 04 Apr 2022 15:05

Tgt Ion: 117 Resp: 54365
Ion Ratio Lower Upper
117 100
119 3.4 75.8 113.8#
121 0.0 24.6 37.0#

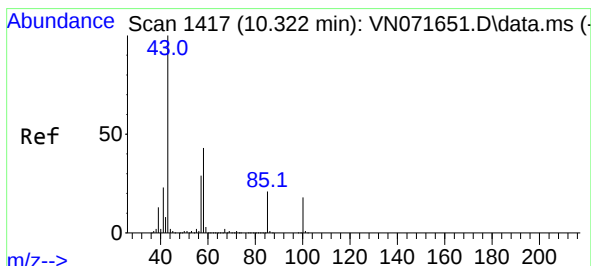
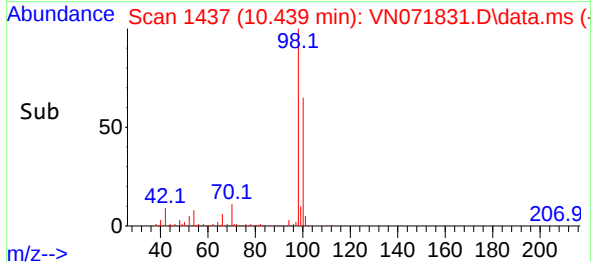
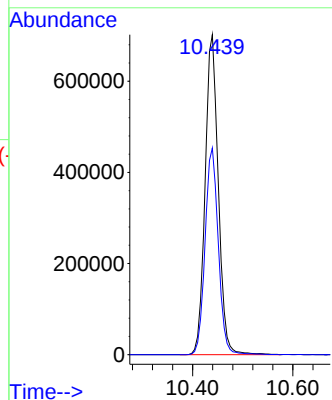
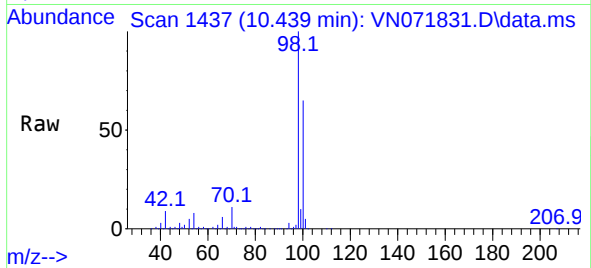




#50
Toluene-d8
Concen: 51.915 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071831.D
Acq: 04 Apr 2022 15:05

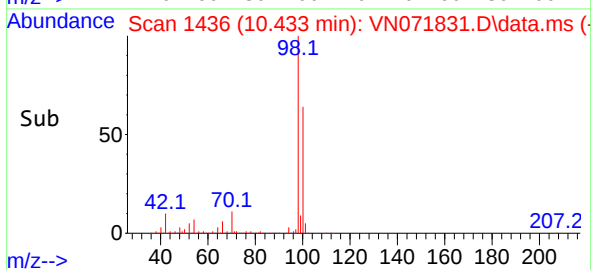
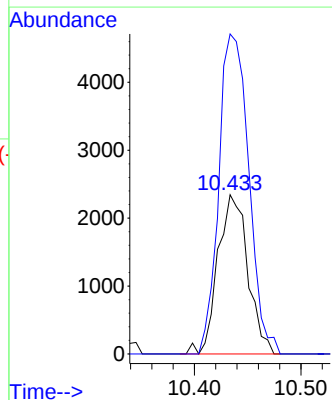
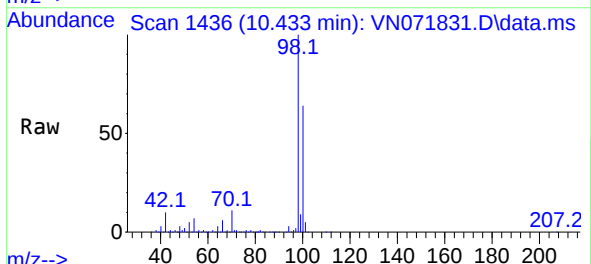
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-REF-4

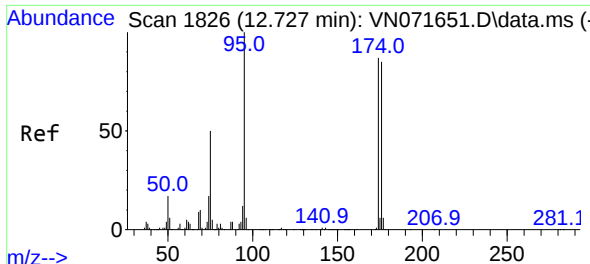
Tgt Ion: 98 Resp: 1282033
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.519 ug/l
RT: 10.433 min Scan# 1436
Delta R.T. 0.111 min
Lab File: VN071831.D
Acq: 04 Apr 2022 15:05

Tgt Ion: 43 Resp: 4578
Ion Ratio Lower Upper
43 100
58 201.2 34.1 51.1#

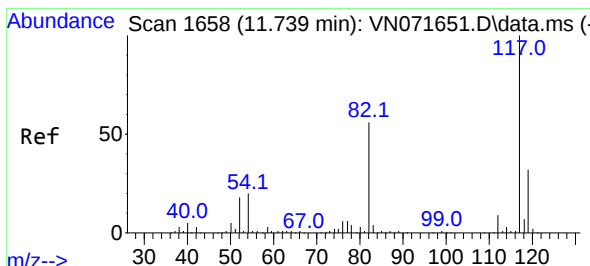
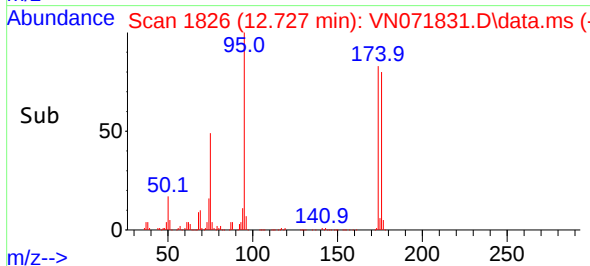
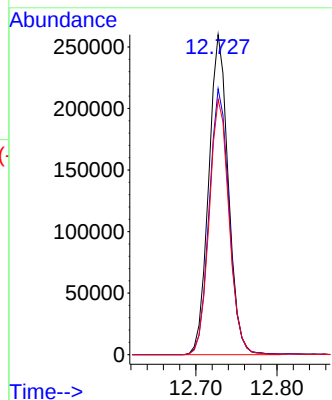
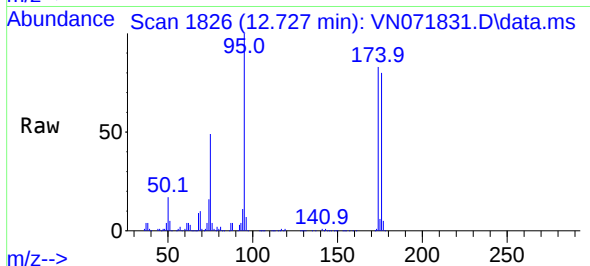




#62
4-Bromofluorobenzene
Concen: 54.615 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071831.D
Acq: 04 Apr 2022 15:05

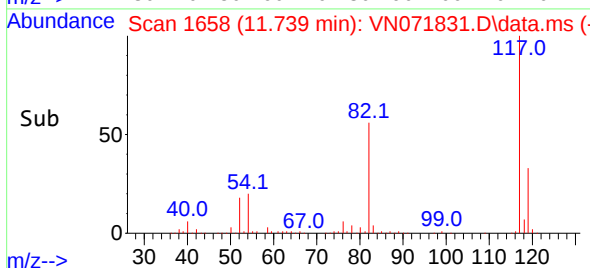
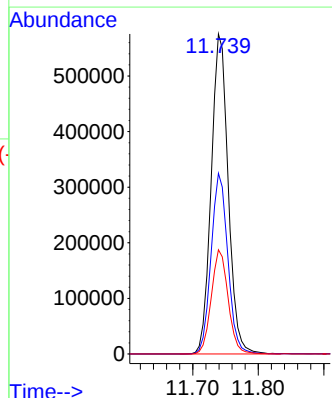
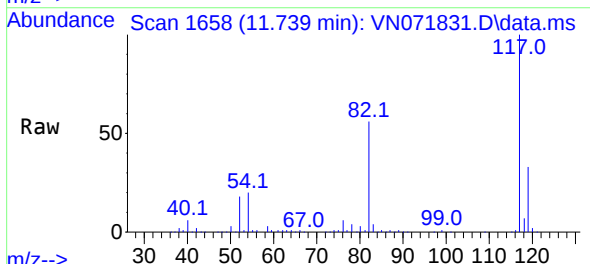
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-REF-4

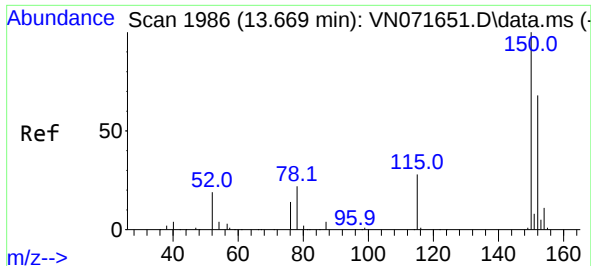
Tgt Ion: 95 Resp: 436200
Ion Ratio Lower Upper
95 100
174 84.2 0.0 167.6
176 80.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071831.D
Acq: 04 Apr 2022 15:05

Tgt Ion: 117 Resp: 1035707
Ion Ratio Lower Upper
117 100
82 56.5 44.2 66.2
119 32.5 25.4 38.0

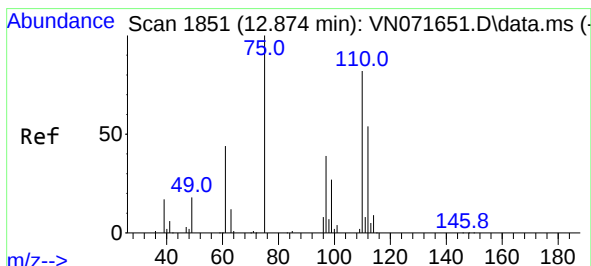
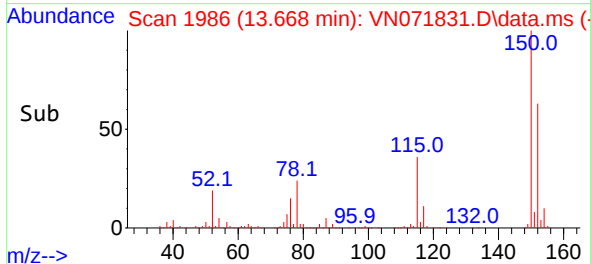
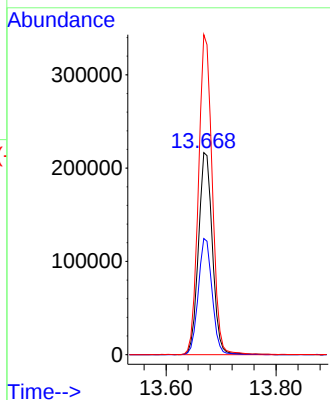
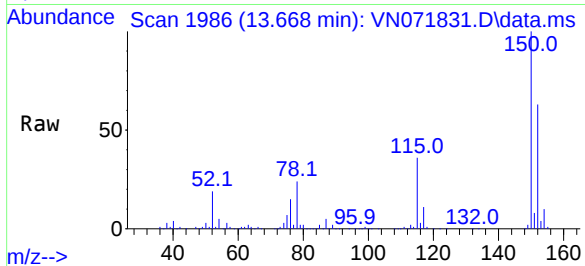




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN071831.D
 Acq: 04 Apr 2022 15:05

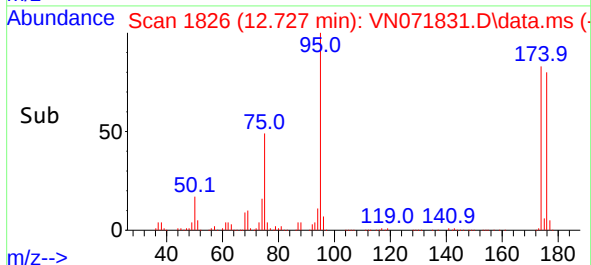
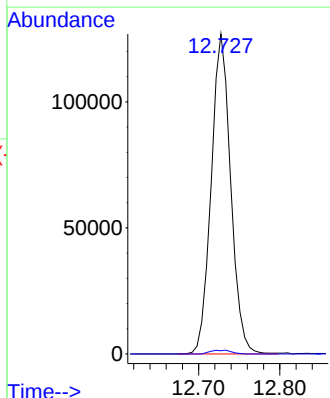
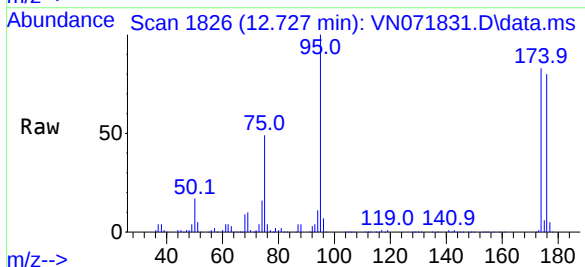
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-REF-4

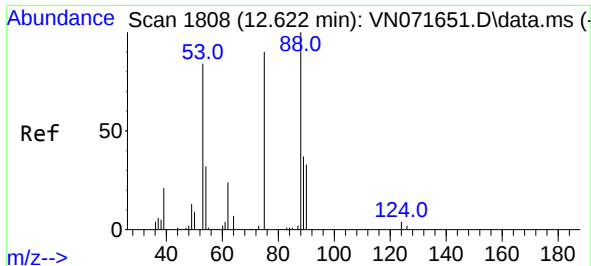
Tgt Ion:152 Resp: 381191
 Ion Ratio Lower Upper
 152 100
 115 57.3 28.9 86.7
 150 156.6 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 24.005 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN071831.D
 Acq: 04 Apr 2022 15:05

Tgt Ion: 75 Resp: 211979
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#

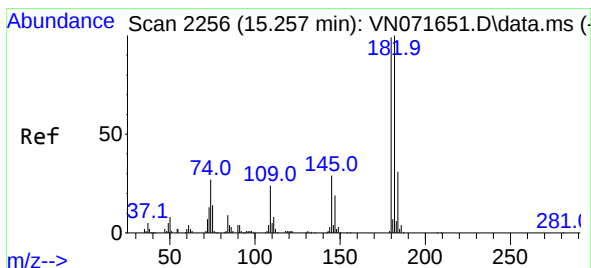
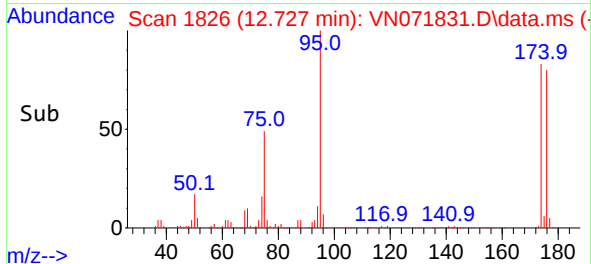
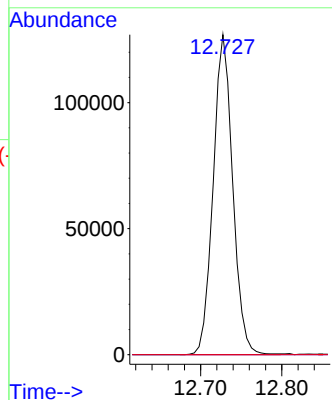
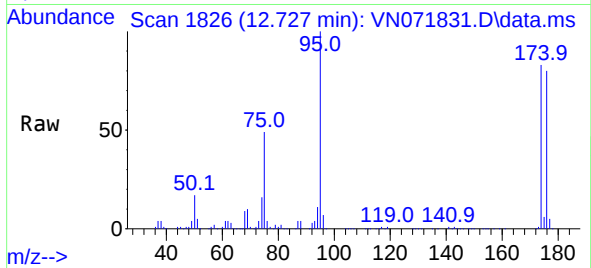




#81
trans-1,4-Dichloro-2-butene
Concen: 74.391 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071831.D
Acq: 04 Apr 2022 15:05

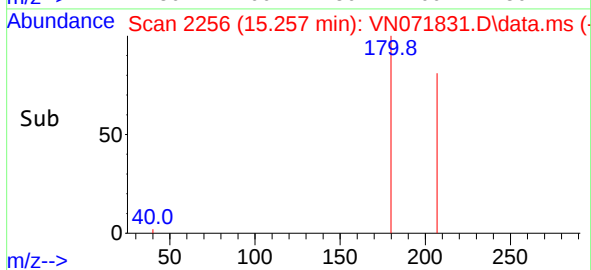
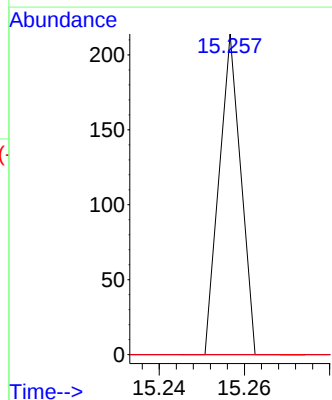
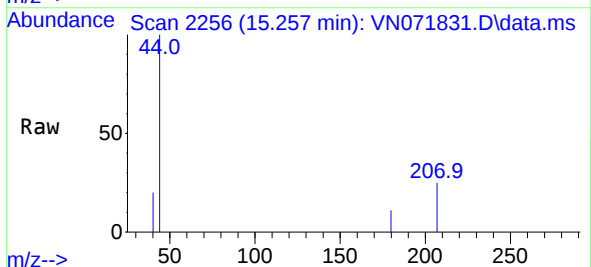
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-REF-4

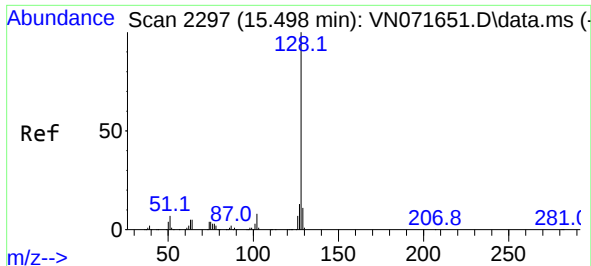
Tgt Ion: 75 Resp: 211979
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.098 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VN071831.D
Acq: 04 Apr 2022 15:05

Tgt Ion:180 Resp: 76
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 14.5 43.5#

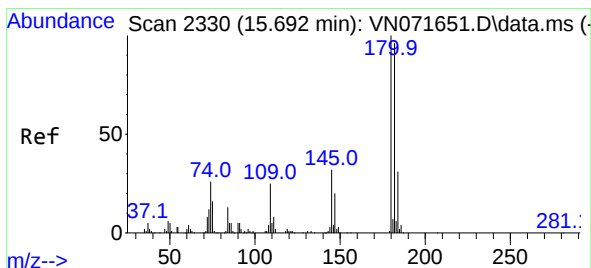
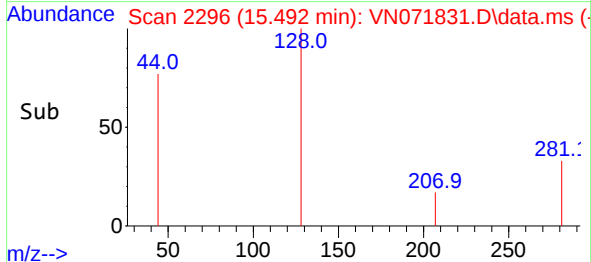
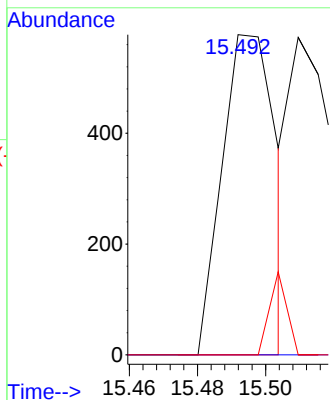
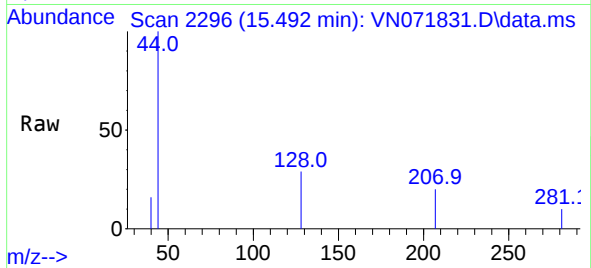




#95
Naphthalene
Concen: 3.837 ug/l
RT: 15.492 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN071831.D
Acq: 04 Apr 2022 15:05

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-REF-4

Tgt Ion:128 Resp: 638
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 8.3 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.423 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN071831.D
Acq: 04 Apr 2022 15:05

Tgt Ion:180 Resp: 53
Ion Ratio Lower Upper
180 100
182 100.0 47.8 143.3
145 0.0 15.5 46.5#

