

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031822\
 Data File : VN071371.D
 Acq On : 18 Mar 2022 14:42
 Operator : JC\MD
 Sample : N1974-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 07:07:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	766659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1293934	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1240211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	448481	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	504802	48.043	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.080%
35) Dibromofluoromethane	8.016	113	385204	47.176	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.360%
50) Toluene-d8	10.439	98	1606183	48.857	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.720%
62) 4-Bromofluorobenzene	12.727	95	599344	53.838	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	107.680%

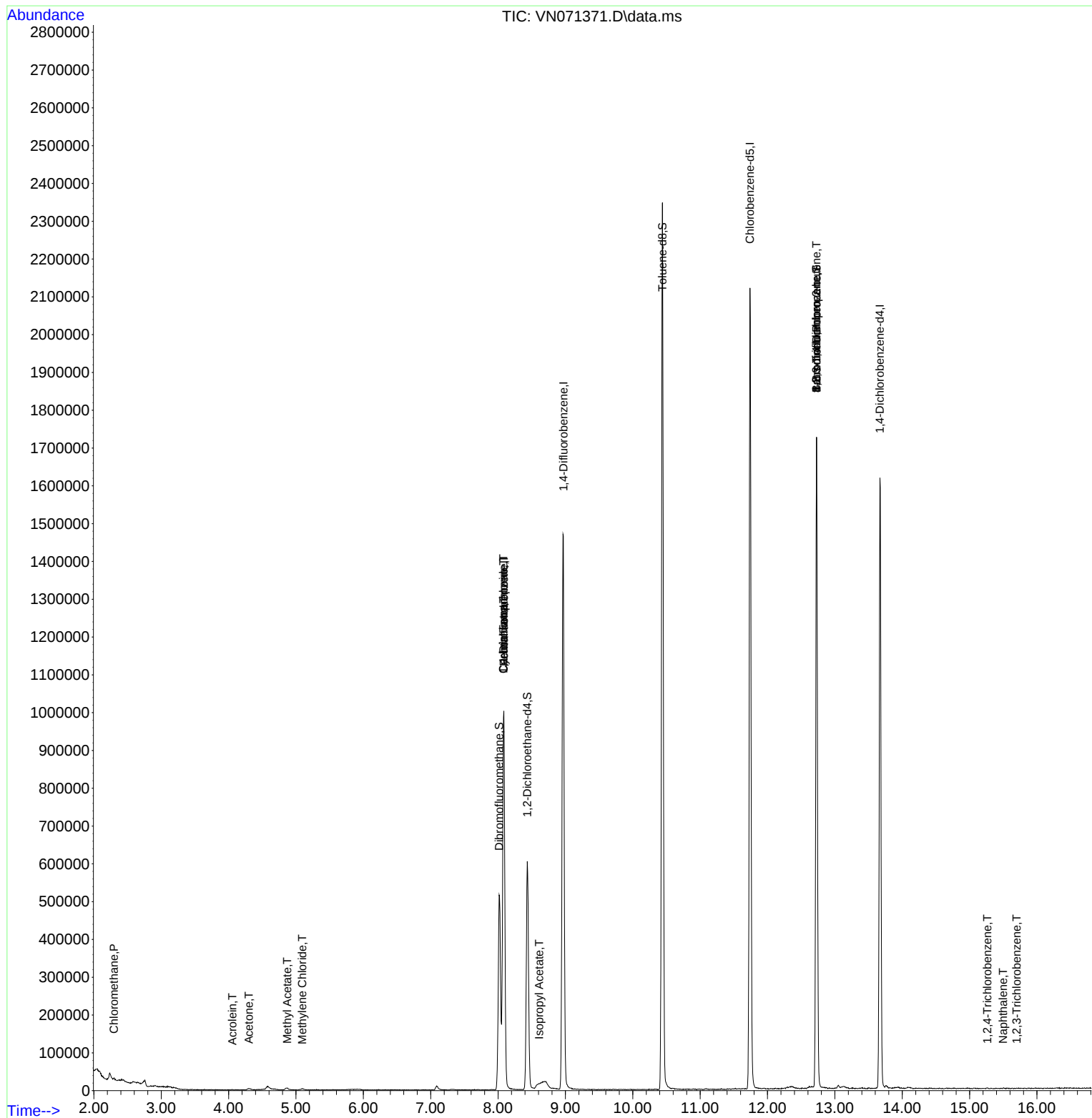
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.298	50	4084	0.328	ug/l	92
5) Bromomethane	2.857	94	1204	Below Cal	#	47
13) Acrolein	4.057	56	617	0.282	ug/l #	72
16) Acetone	4.298	43	5227	1.022	ug/l	92
18) Methyl Acetate	4.869	43	10315	1.214	ug/l	93
20) Methylene Chloride	5.092	84	2393	0.636	ug/l #	79
31) Cyclohexane	8.080	56	16407	0.978	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	60122	4.596	ug/l #	50
38) Carbon Tetrachloride	8.080	117	76220	6.023	ug/l #	16
43) Isopropyl Acetate	8.610	43	17746	0.659	ug/l #	55
71) Bromoform	12.727	173	3635	0.490	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.810	83	415	Below Cal	#	40
76) 1,2,3-Trichloropropane	12.727	75	312071	27.437	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	312071	75.220	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	515	3.055	ug/l #	85
95) Naphthalene	15.498	128	1643	5.139	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.698	180	161	2.753	ug/l #	1

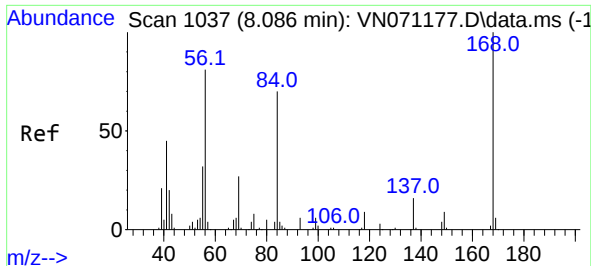
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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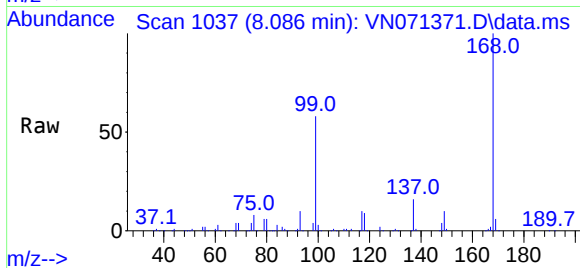
Quant Time: Mar 19 07:07:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 08 06:52:46 2022
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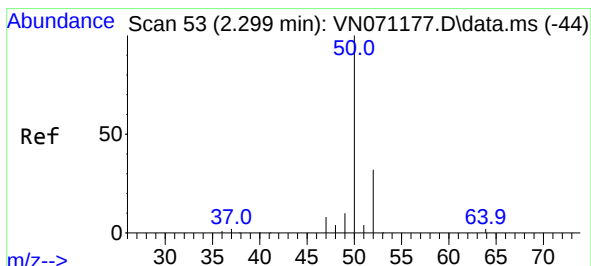
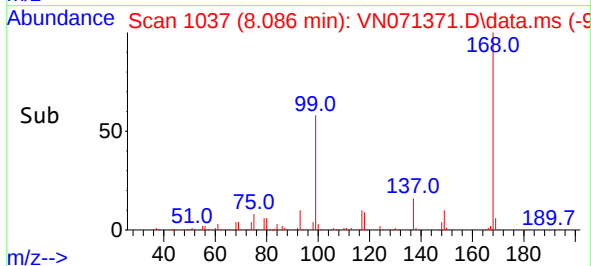
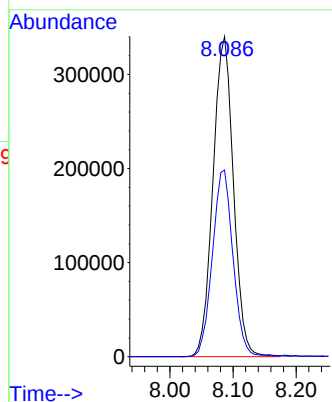


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071371.D
Acq: 18 Mar 2022 14:42

Instrument :
MSVOA_N
ClientSampleId :

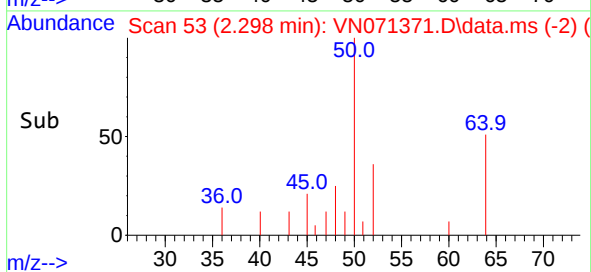
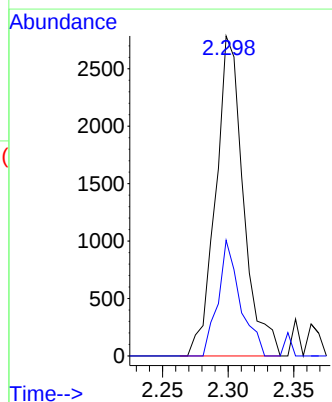
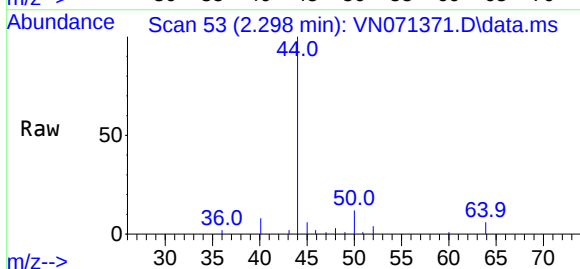


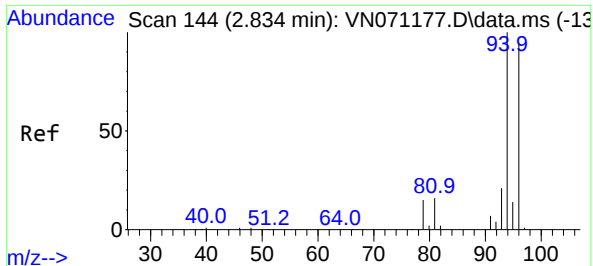
Tgt Ion:168 Resp: 766659
Ion Ratio Lower Upper
168 100
99 58.3 41.3 61.9



#3
Chloromethane
Concen: 0.328 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN071371.D
Acq: 18 Mar 2022 14:42

Tgt Ion: 50 Resp: 4084
Ion Ratio Lower Upper
50 100
52 36.1 25.4 38.0

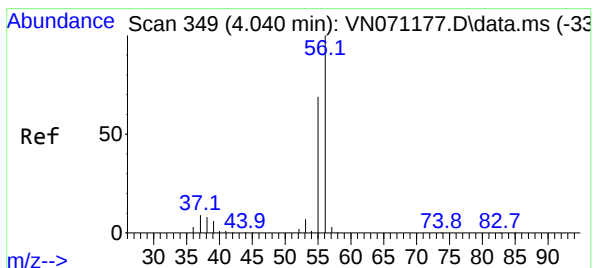
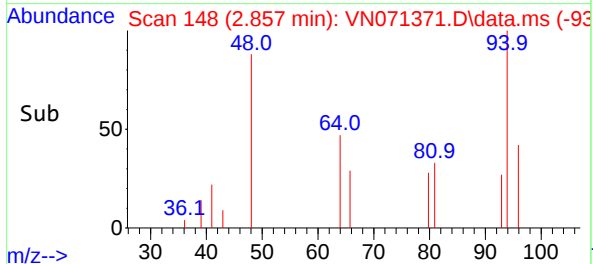
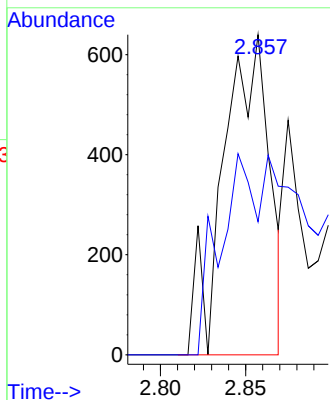
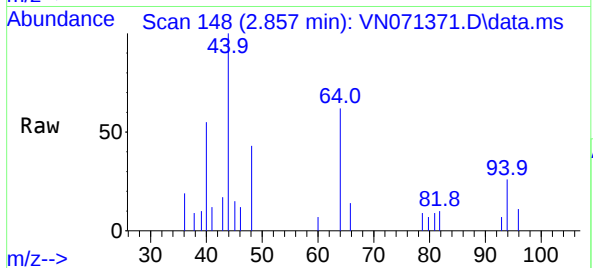




#5
Bromomethane
Concen: Below Cal
RT: 2.857 min Scan# 14
Delta R.T. 0.023 min
Lab File: VN071371.D
Acq: 18 Mar 2022 14:42

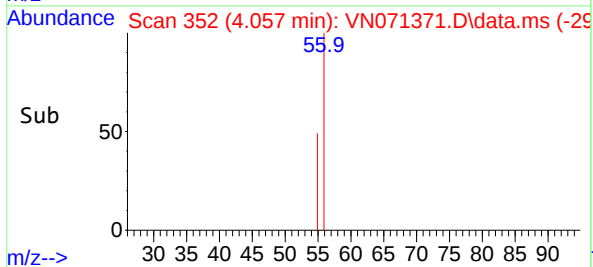
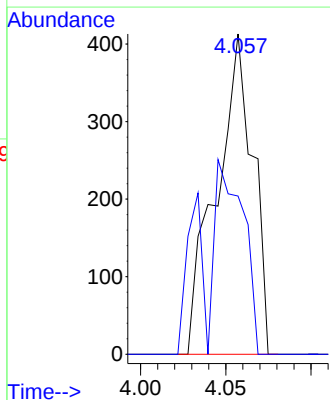
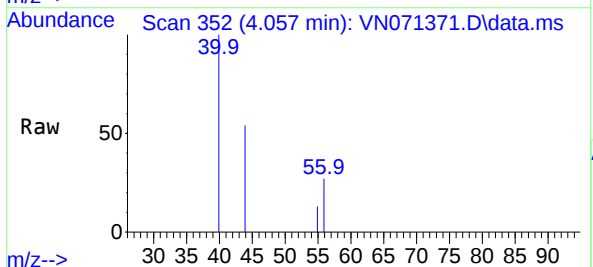
Instrument :
MSVOA_N
ClientSampleId :

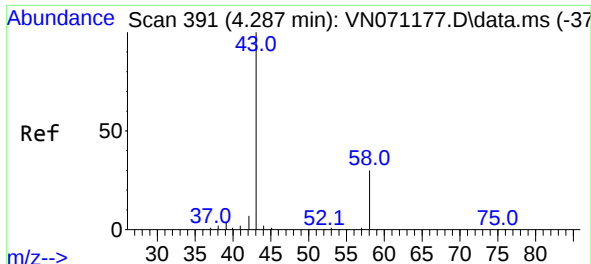
Tgt Ion: 94 Resp: 1204
Ion Ratio Lower Upper
94 100
96 41.6 73.8 110.8#



#13
Acrolein
Concen: 0.282 ug/l
RT: 4.057 min Scan# 352
Delta R.T. 0.018 min
Lab File: VN071371.D
Acq: 18 Mar 2022 14:42

Tgt Ion: 56 Resp: 617
Ion Ratio Lower Upper
56 100
55 47.3 56.6 85.0#

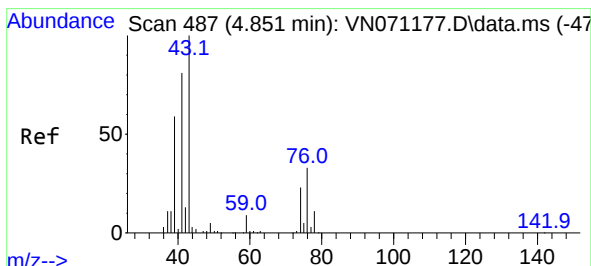
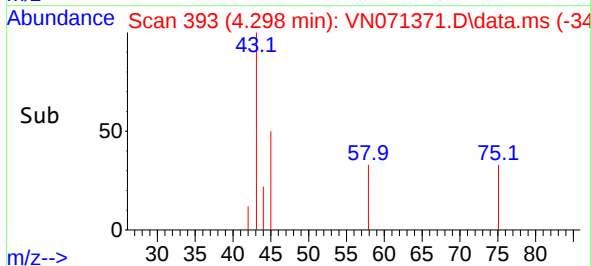
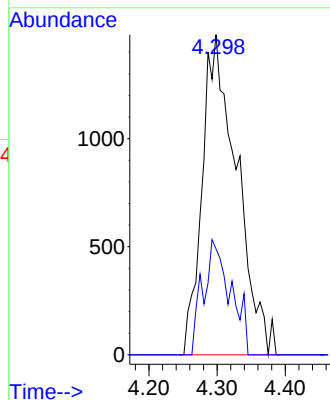
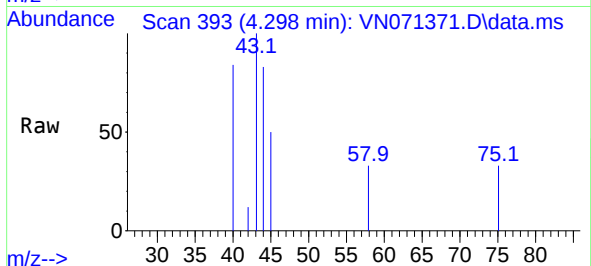




#16
Acetone
Concen: 1.022 ug/l
RT: 4.298 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071371.D
Acq: 18 Mar 2022 14:42

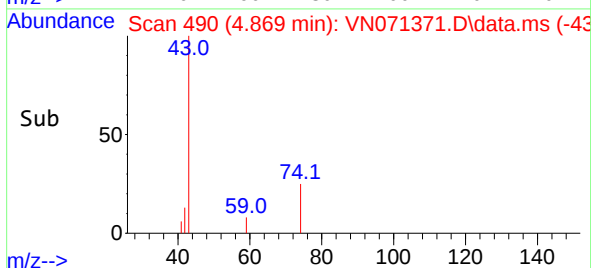
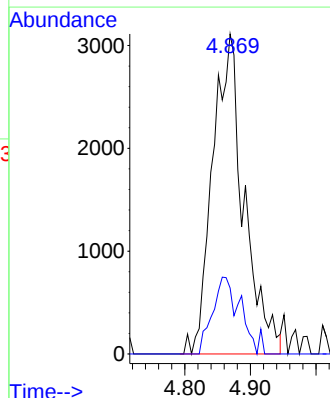
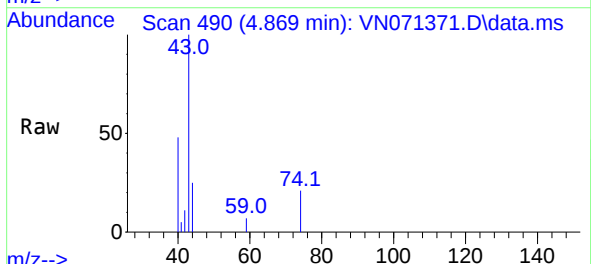
Instrument :
MSVOA_N
ClientSampleId :

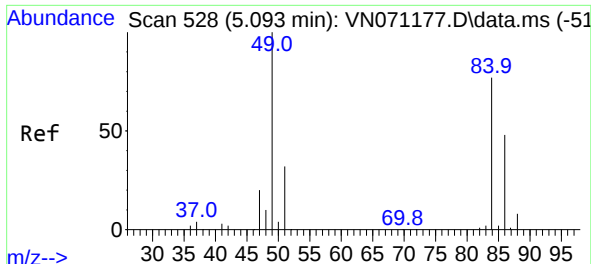
Tgt Ion: 43 Resp: 5227
Ion Ratio Lower Upper
43 100
58 33.1 23.1 34.7



#18
Methyl Acetate
Concen: 1.214 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.018 min
Lab File: VN071371.D
Acq: 18 Mar 2022 14:42

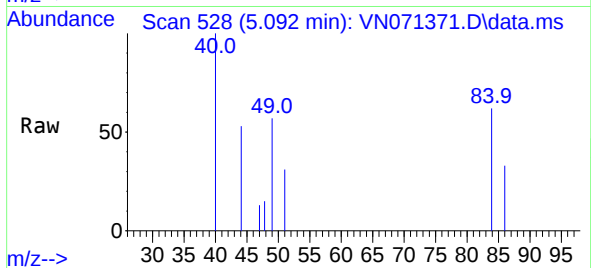
Tgt Ion: 43 Resp: 10315
Ion Ratio Lower Upper
43 100
74 20.8 19.4 29.2





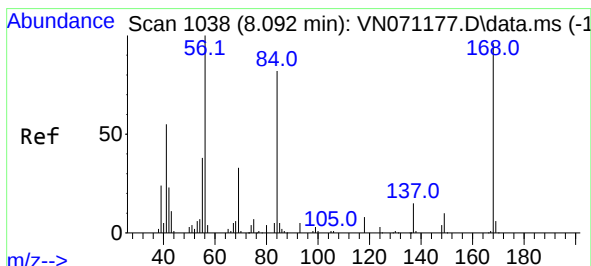
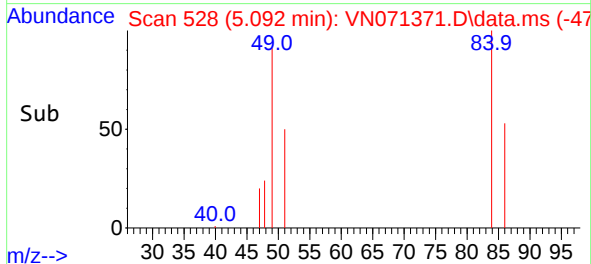
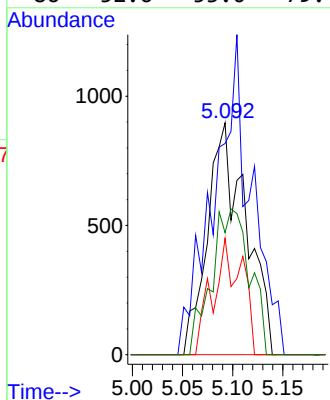
#20
Methylene Chloride
Concen: 0.636 ug/l
RT: 5.092 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN071371.D
Acq: 18 Mar 2022 14:42

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2393

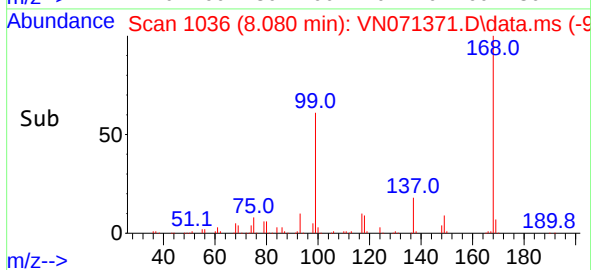
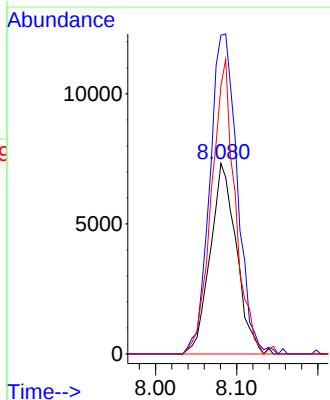
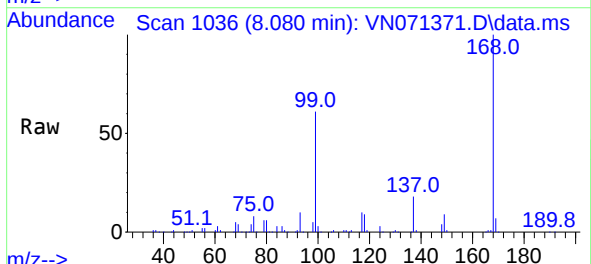
Ion	Ratio	Lower	Upper
84	100		
49	91.1	93.5	140.3#
51	50.3	29.4	44.2#
86	52.6	53.0	79.4#

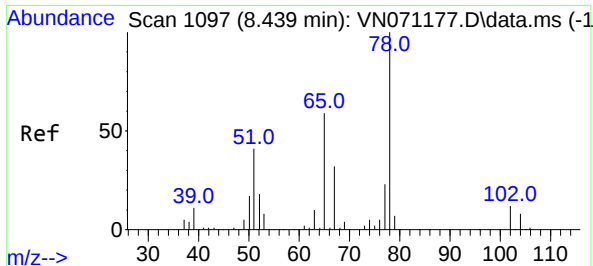


#31
Cyclohexane
Concen: 0.978 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071371.D
Acq: 18 Mar 2022 14:42

Tgt Ion: 56 Resp: 16407

Ion	Ratio	Lower	Upper
56	100		
69	167.3	27.1	40.7#
84	140.6	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 48.043 ug/l

RT: 8.433 min Scan# 110

Delta R.T. -0.006 min

Lab File: VN071371.D

Acq: 18 Mar 2022 14:42

Instrument :

MSVOA_N

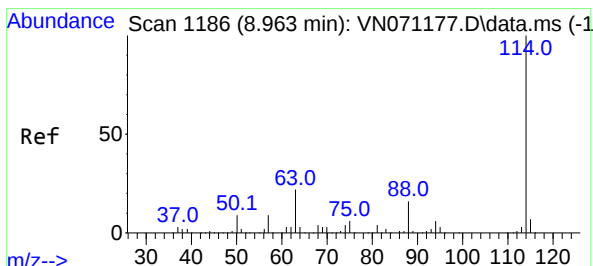
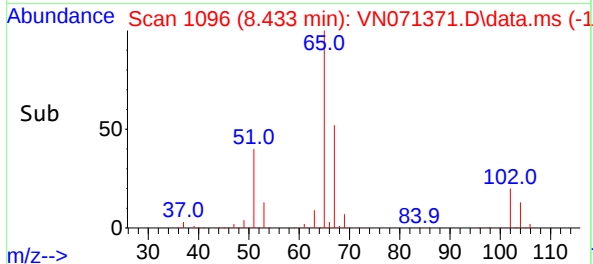
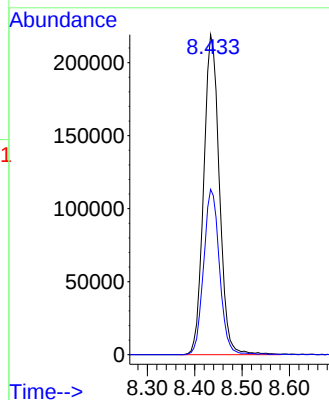
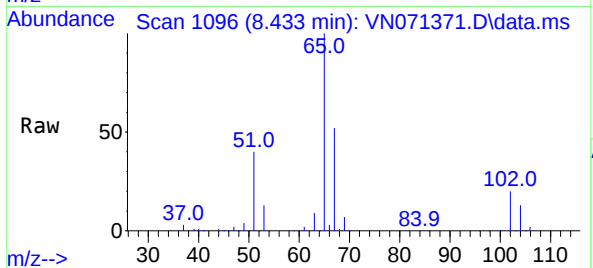
ClientSampleId :

Tgt Ion: 65 Resp: 504802

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.969 min Scan# 1187

Delta R.T. 0.006 min

Lab File: VN071371.D

Acq: 18 Mar 2022 14:42

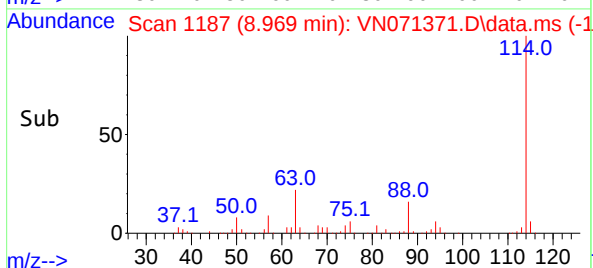
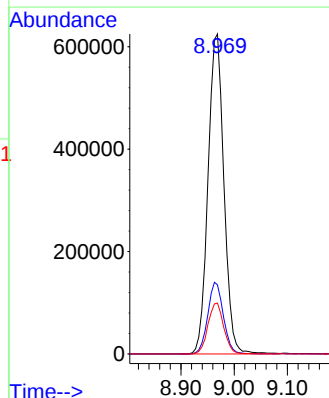
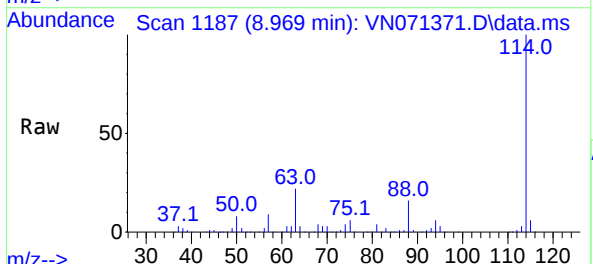
Tgt Ion: 114 Resp: 1293934

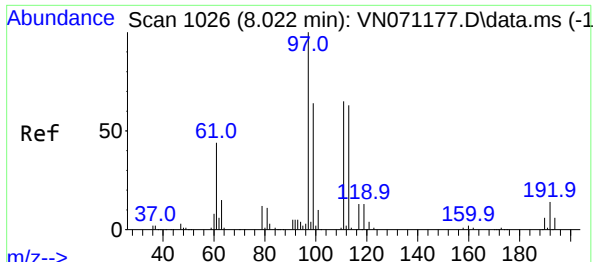
Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.8

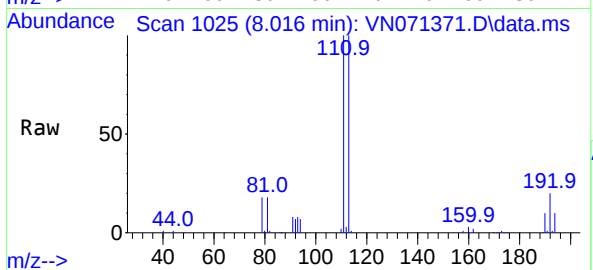
88 15.9 0.0 27.4



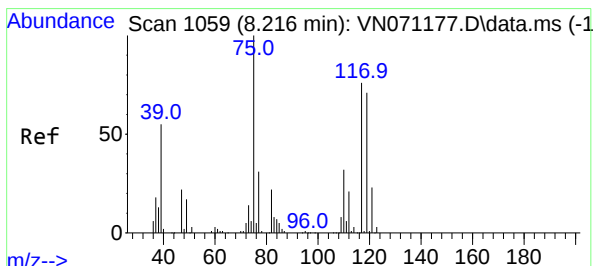
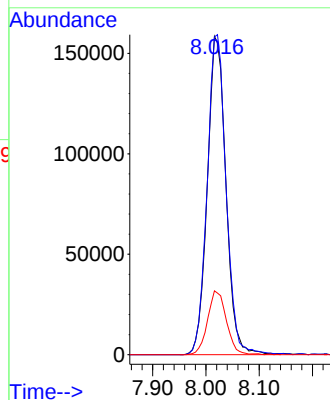
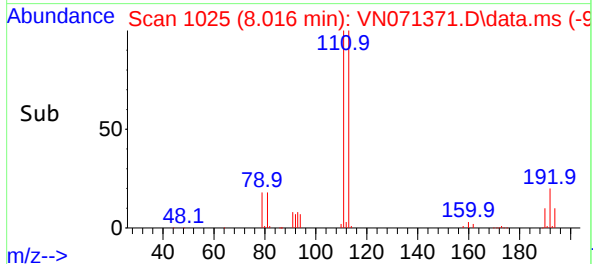


#35
Dibromofluoromethane
Concen: 47.176 ug/l
RT: 8.016 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VN071371.D
Acq: 18 Mar 2022 14:42

Instrument :
MSVOA_N
ClientSampleId :

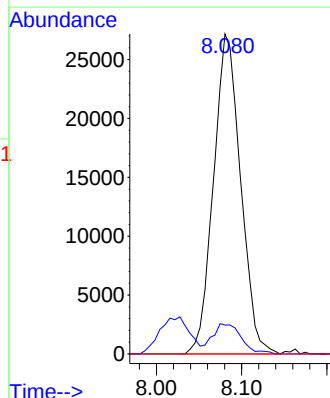
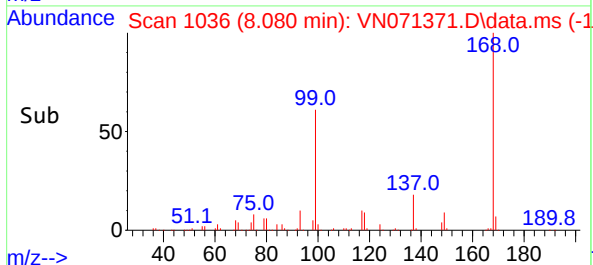
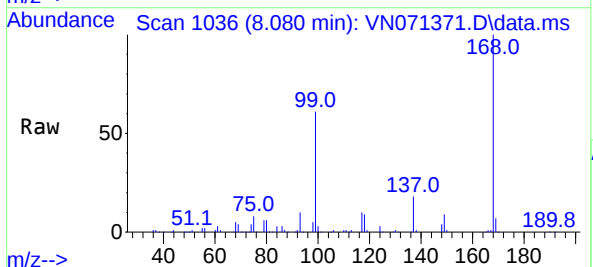


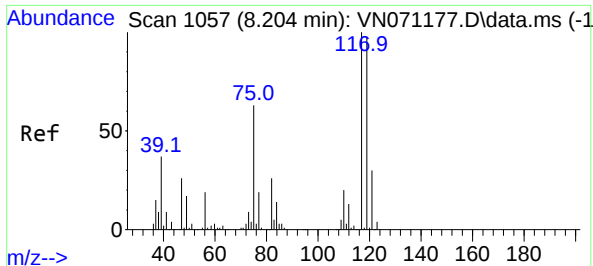
Tgt Ion:113 Resp: 385204
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.2
192 20.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.596 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071371.D
Acq: 18 Mar 2022 14:42

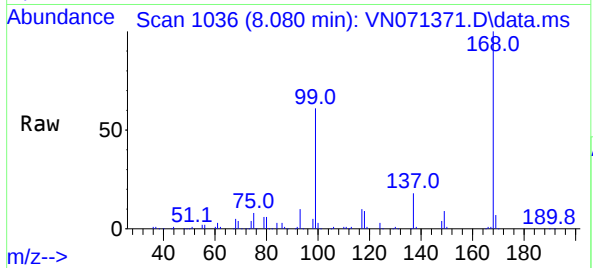
Tgt Ion: 75 Resp: 60122
Ion Ratio Lower Upper
75 100
110 10.2 18.4 55.2#
77 0.0 24.4 36.6#



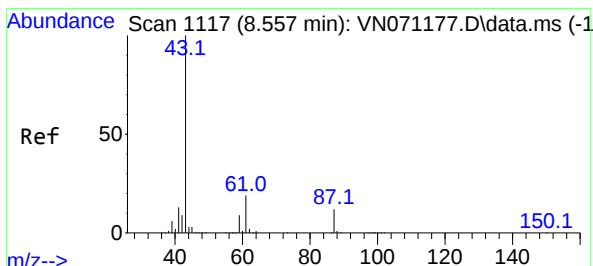
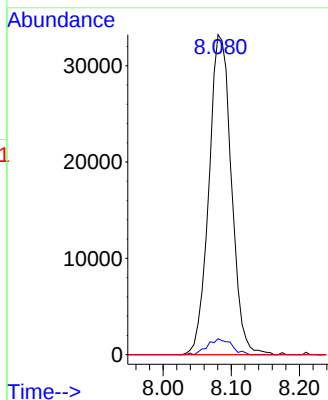
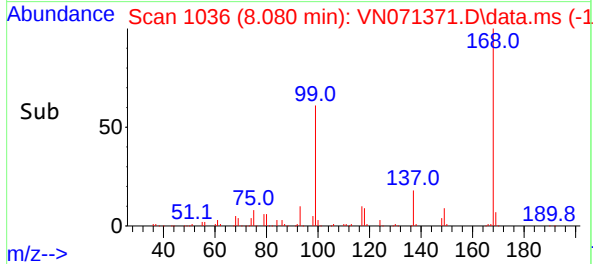


#38
Carbon Tetrachloride
Concen: 6.023 ug/l
RT: 8.080 min Scan# 110
Delta R.T. -0.124 min
Lab File: VN071371.D
Acq: 18 Mar 2022 14:42

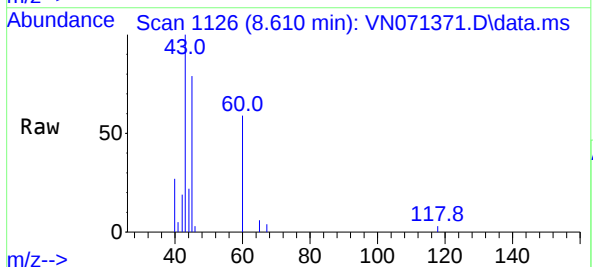
Instrument :
MSVOA_N
ClientSampleId :



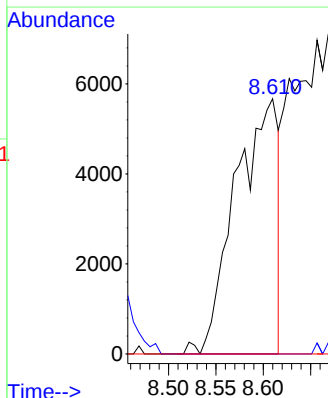
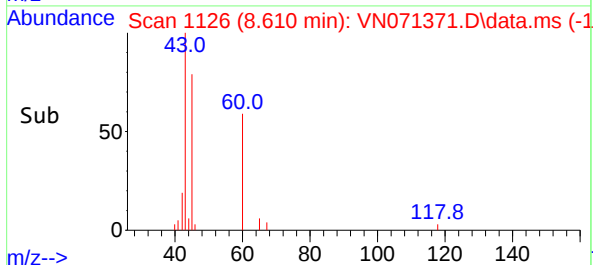
Tgt Ion:117 Resp: 76220
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#

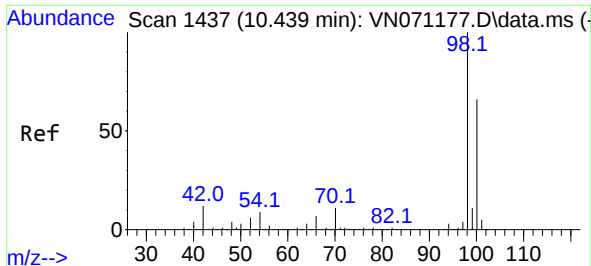


#43
Isopropyl Acetate
Concen: 0.659 ug/l
RT: 8.610 min Scan# 1126
Delta R.T. 0.053 min
Lab File: VN071371.D
Acq: 18 Mar 2022 14:42



Tgt Ion: 43 Resp: 17746
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

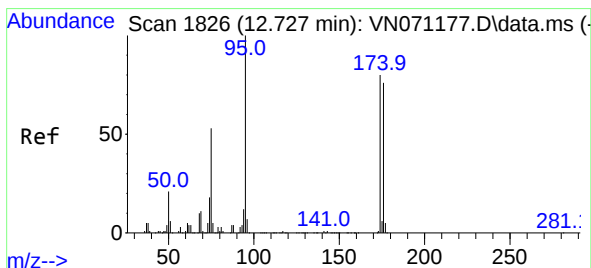
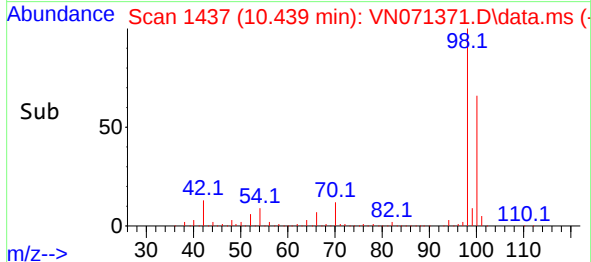
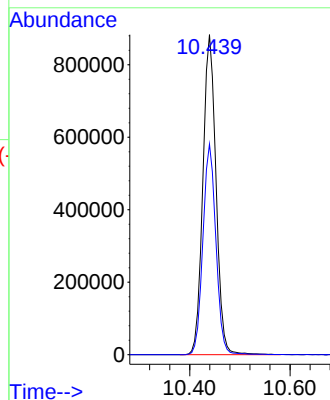
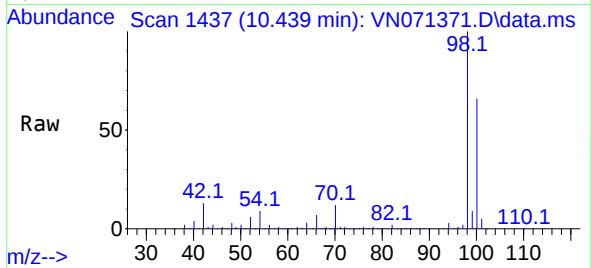




#50
Toluene-d8
Concen: 48.857 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071371.D
Acq: 18 Mar 2022 14:42

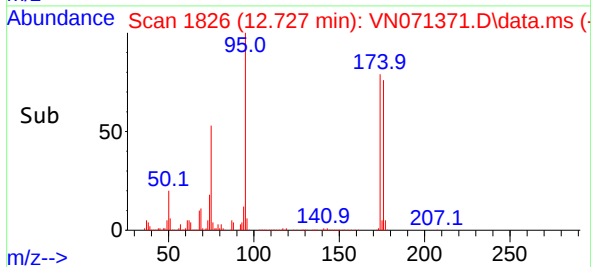
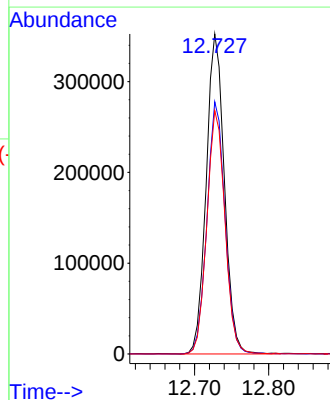
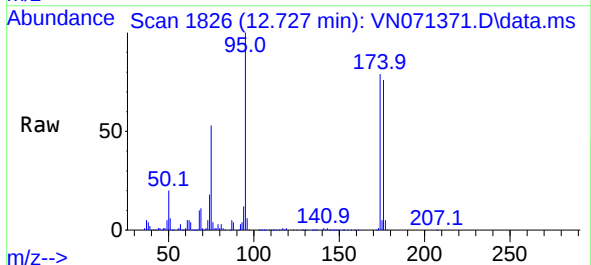
Instrument :
MSVOA_N
ClientSampleId :

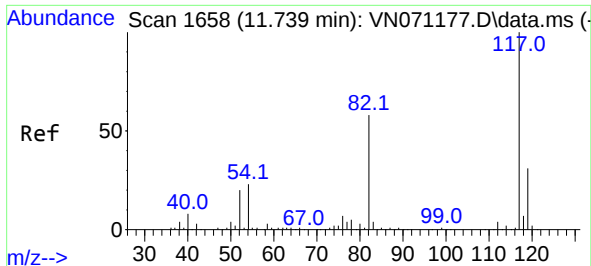
Tgt Ion: 98 Resp: 1606183
Ion Ratio Lower Upper
98 100
100 65.2 50.4 75.6



#62
4-Bromofluorobenzene
Concen: 53.838 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071371.D
Acq: 18 Mar 2022 14:42

Tgt Ion: 95 Resp: 599344
Ion Ratio Lower Upper
95 100
174 78.2 0.0 187.2
176 75.7 0.0 181.4

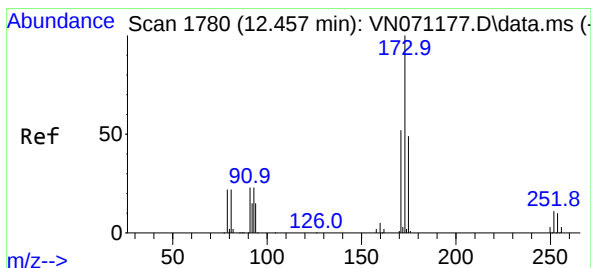
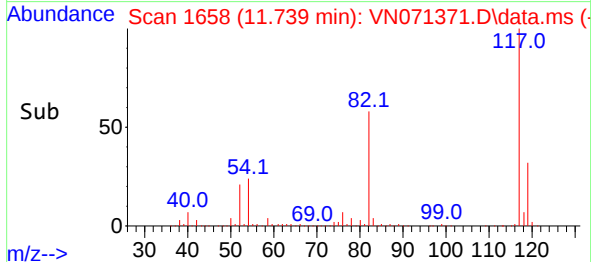
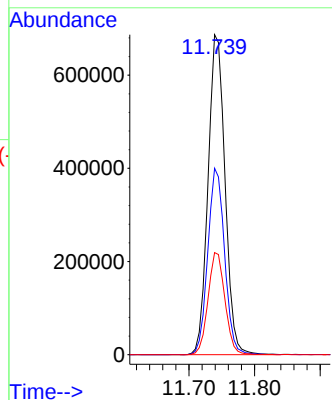
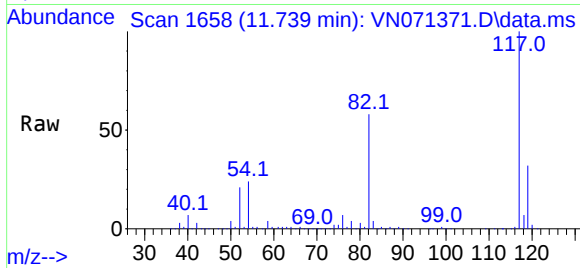




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071371.D
Acq: 18 Mar 2022 14:42

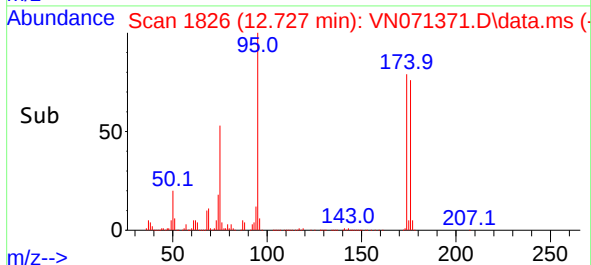
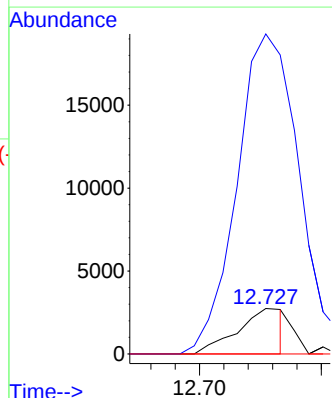
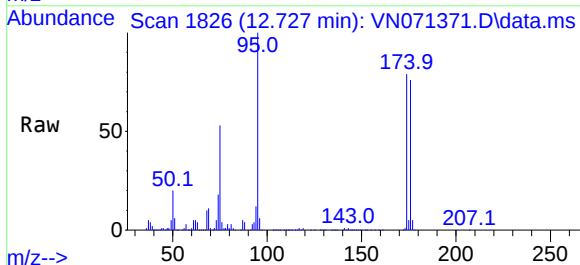
Instrument :
MSVOA_N
ClientSampleId :

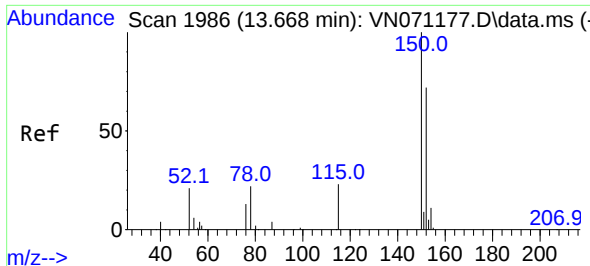
Tgt Ion:117 Resp: 1240211
Ion Ratio Lower Upper
117 100
82 58.2 42.4 63.6
119 31.9 25.4 38.2



#71
Bromoform
Concen: 0.490 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071371.D
Acq: 18 Mar 2022 14:42

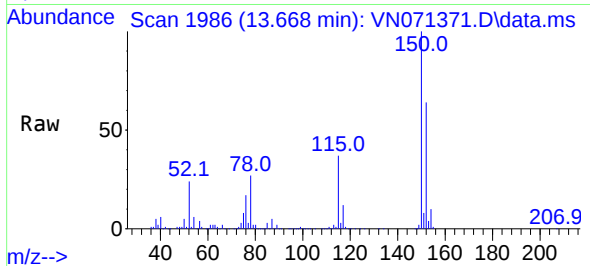
Tgt Ion:173 Resp: 3635
Ion Ratio Lower Upper
173 100
175 704.5 24.2 72.6#
254 0.0 0.0 0.0



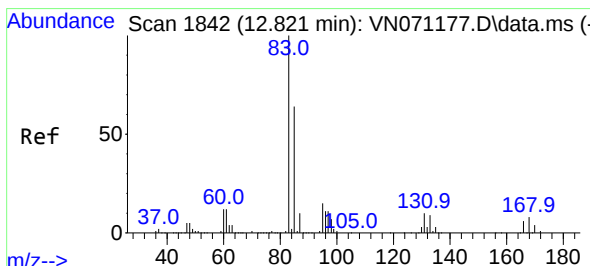
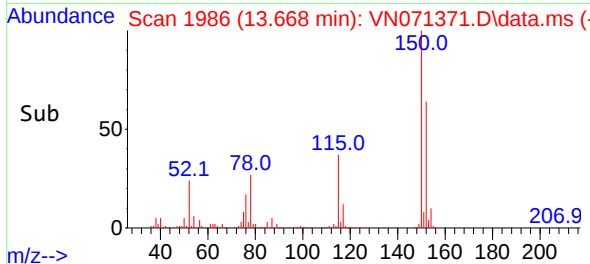
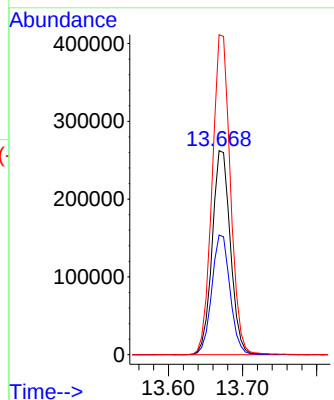


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN071371.D
 Acq: 18 Mar 2022 14:42

Instrument :
 MSVOA_N
 ClientSampleId :

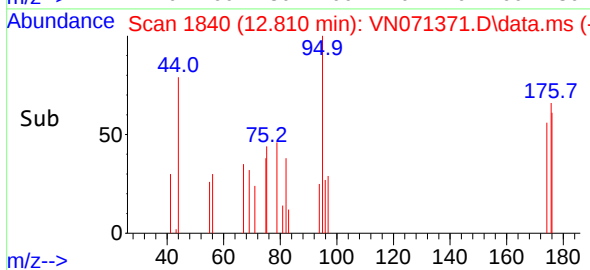
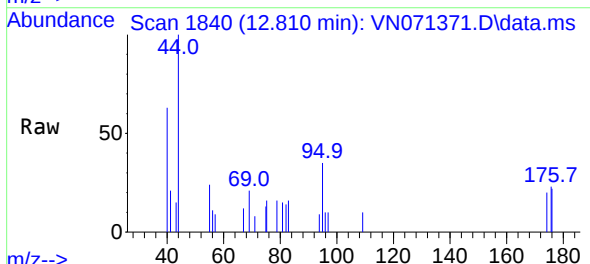
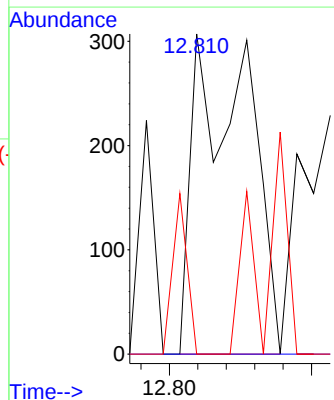


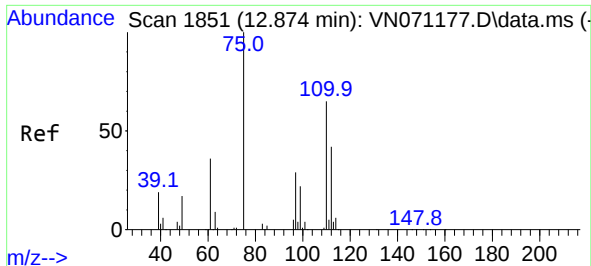
Tgt Ion:152 Resp: 448481
 Ion Ratio Lower Upper
 152 100
 115 58.8 27.5 82.5
 150 156.9 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.810 min Scan# 1840
 Delta R.T. -0.011 min
 Lab File: VN071371.D
 Acq: 18 Mar 2022 14:42

Tgt Ion: 83 Resp: 415
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 13.0 32.4 97.2#

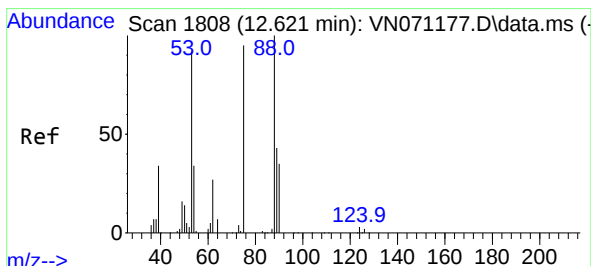
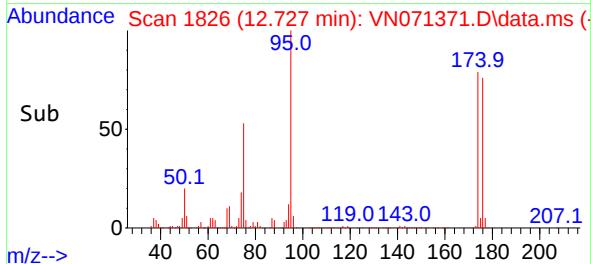
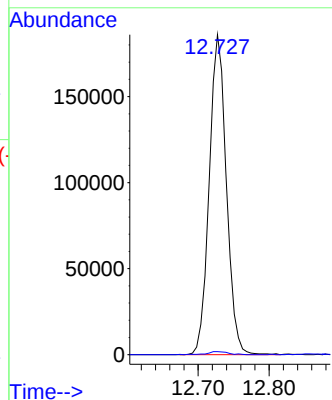
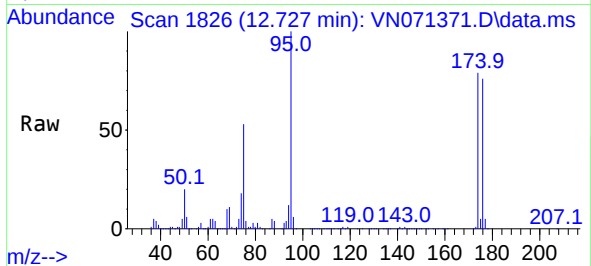




#76
1,2,3-Trichloropropane
Concen: 27.437 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071371.D
Acq: 18 Mar 2022 14:42

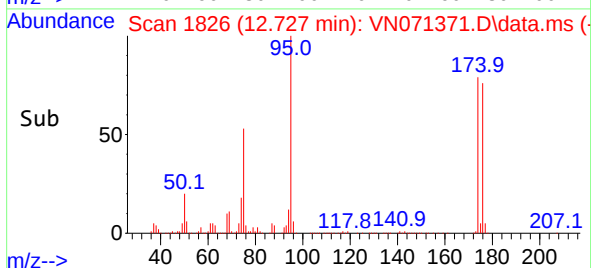
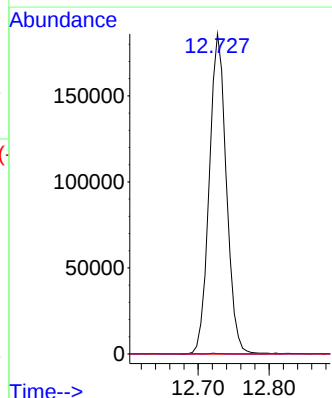
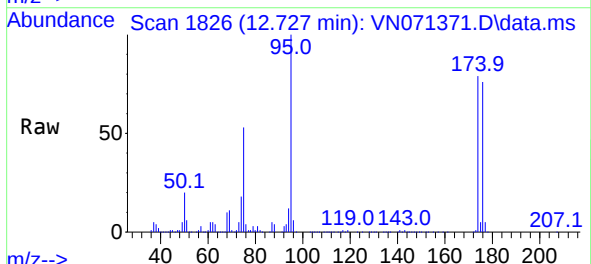
Instrument :
MSVOA_N
ClientSampleId :

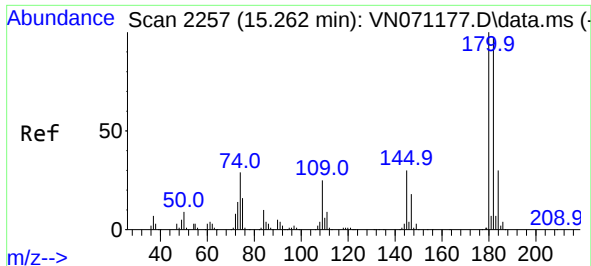
Tgt Ion: 75 Resp: 312071
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.220 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071371.D
Acq: 18 Mar 2022 14:42

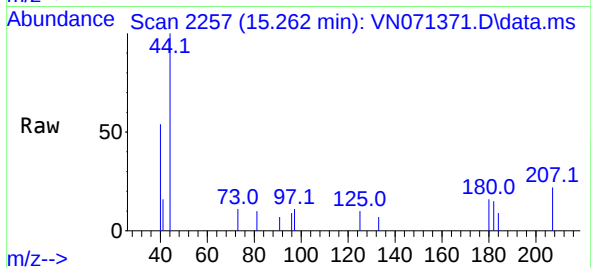
Tgt Ion: 75 Resp: 312071
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



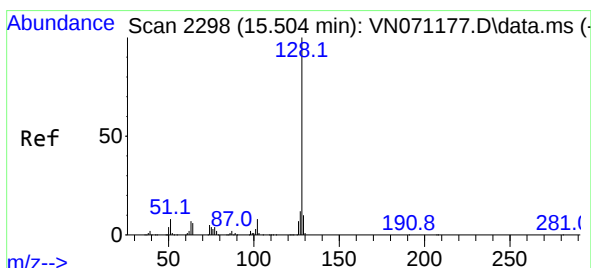
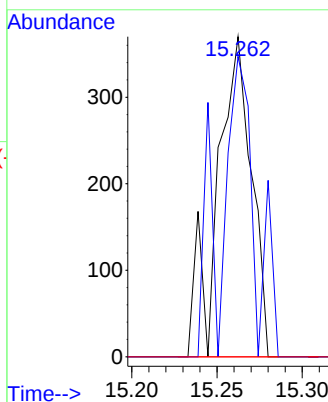
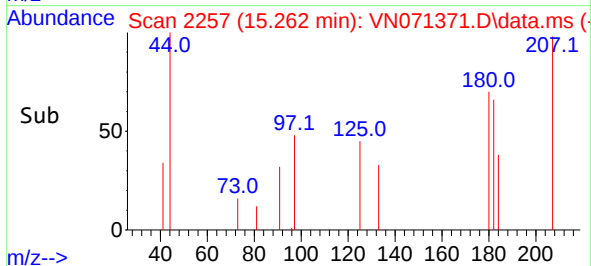


#93
1,2,4-Trichlorobenzene
Concen: 3.055 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN071371.D
Acq: 18 Mar 2022 14:42

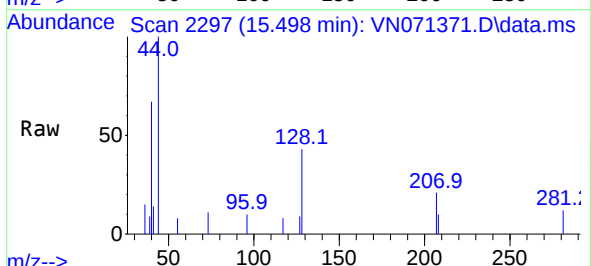
Instrument :
MSVOA_N
ClientSampleId :



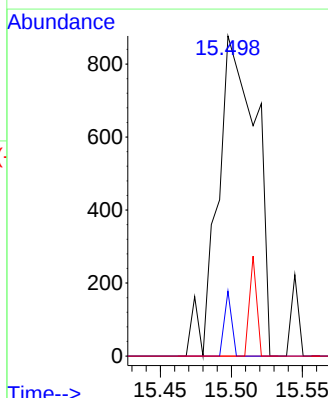
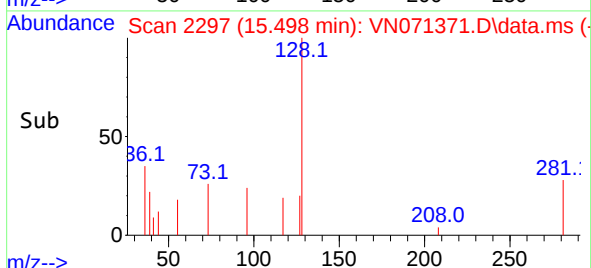
Tgt Ion:180 Resp: 515
Ion Ratio Lower Upper
180 100
182 94.0 48.3 144.9
145 0.0 14.5 43.5#

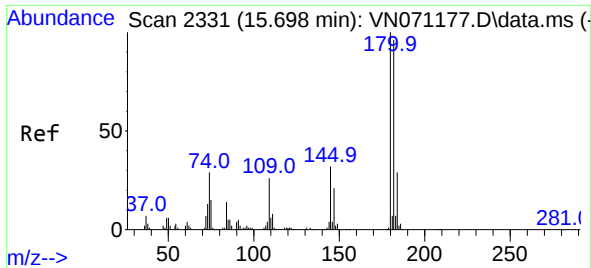


#95
Naphthalene
Concen: 5.139 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN071371.D
Acq: 18 Mar 2022 14:42



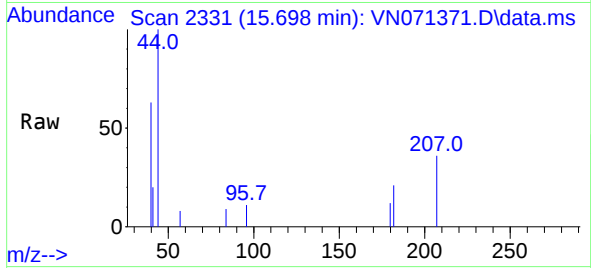
Tgt Ion:128 Resp: 1643
Ion Ratio Lower Upper
128 100
127 3.8 10.5 15.7#
129 5.9 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.753 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071371.D
 Acq: 18 Mar 2022 14:42

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	161
Ion	Ratio	Lower	Upper
180	100		
182	308.1	47.4	142.2#
145	33.5	15.0	45.1

