

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030822\
 Data File : VN071185.D
 Acq On : 08 Mar 2022 12:41
 Operator : JC\MD
 Sample : VN0308WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 09 04:00:38 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

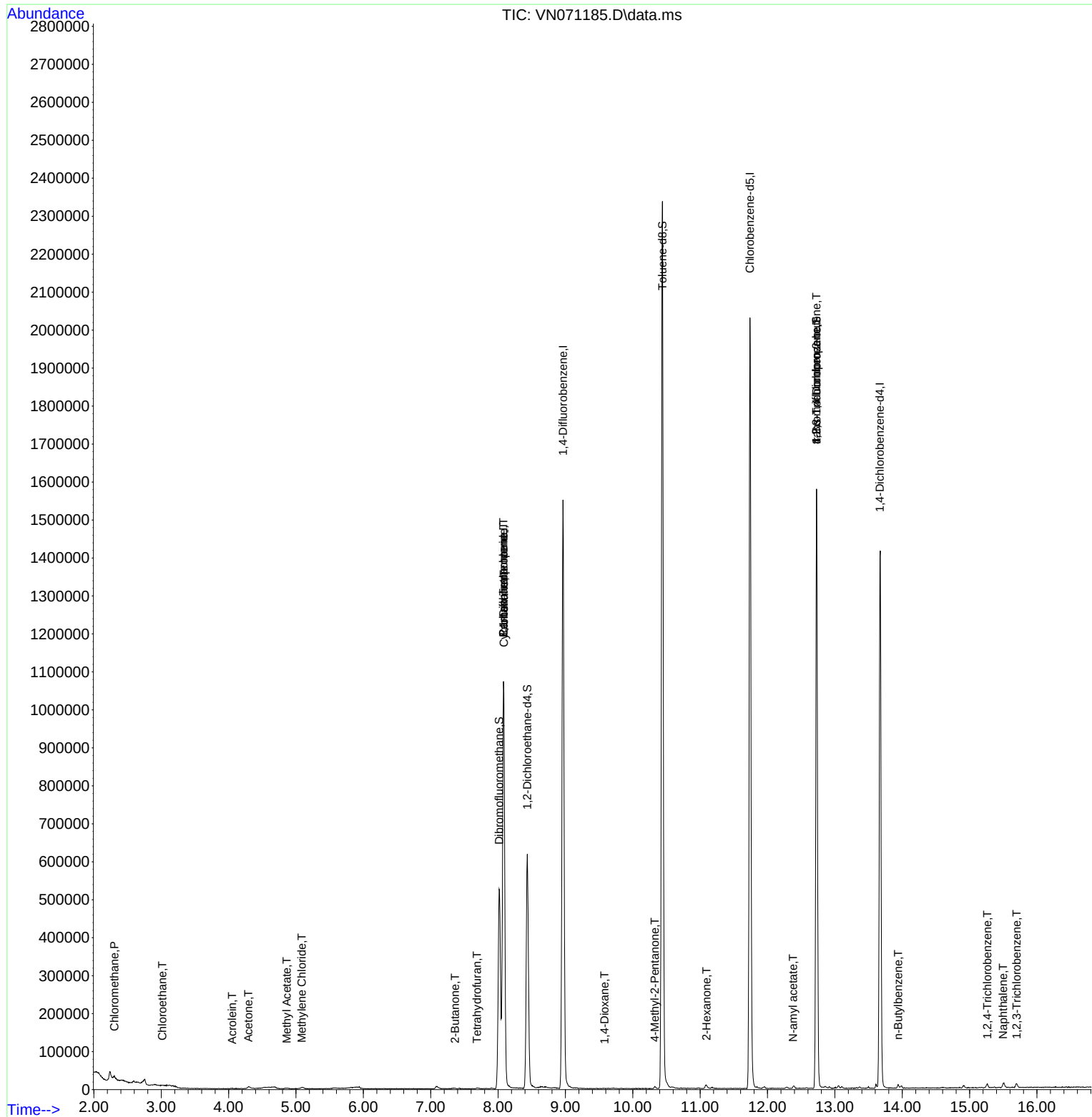
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	834294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1346467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1193205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	400336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	512742	44.842	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	89.680%
35) Dibromofluoromethane	8.016	113	393867	46.355	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.720%
50) Toluene-d8	10.439	98	1635903	47.819	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.640%
62) 4-Bromofluorobenzene	12.727	95	546654	47.189	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.380%
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	3044	0.214	ug/l #	82
5) Bromomethane	2.863	94	1014	Below Cal		91
6) Chloroethane	3.016	64	1457	0.215	ug/l #	82
13) Acrolein	4.052	56	1004	0.422	ug/l #	81
16) Acetone	4.293	43	4959	0.891	ug/l #	79
18) Methyl Acetate	4.863	43	2889	0.662	ug/l #	72
20) Methylene Chloride	5.087	84	2858	0.661	ug/l #	71
25) 2-Butanone	7.363	43	3073	0.343	ug/l #	48
29) Tetrahydrofuran	7.687	42	1748	0.282	ug/l #	58
31) Cyclohexane	8.087	56	17481	0.957	ug/l #	16
36) 1,1-Dichloropropene	8.081	75	66597	4.892	ug/l #	48
38) Carbon Tetrachloride	8.081	117	81723	6.206	ug/l #	16
49) 1,4-Dioxane	9.581	88	121	0.536	ug/l #	1
51) 4-Methyl-2-Pentanone	10.328	43	4353	0.250	ug/l	99
59) 2-Hexanone	11.092	43	9747	0.822	ug/l	90
74) N-amyl acetate	12.380	43	4541	0.313	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	751	Below Cal	#	74
76) 1,2,3-Trichloropropane	12.727	75	281545	27.762	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	281545	76.023	ug/l #	5
89) n-Butylbenzene	13.939	91	6153	0.281	ug/l	96
93) 1,2,4-Trichlorobenzene	15.263	180	4110	3.578	ug/l	88
95) Naphthalene	15.498	128	13279	5.718	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.698	180	4742	3.445	ug/l	91

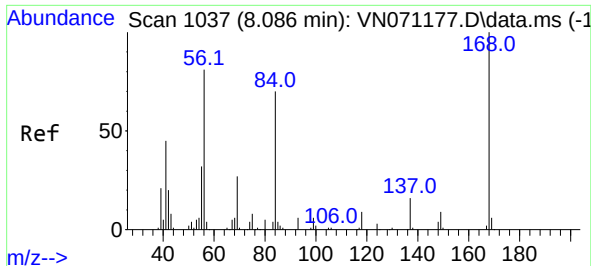
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030822\
Data File : VN071185.D
Acq On : 08 Mar 2022 12:41
Operator : JC\MD
Sample : VN0308WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Mar 09 04:00:38 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

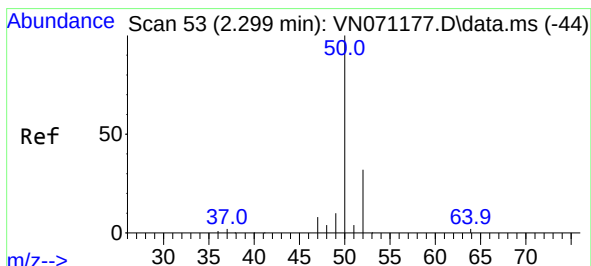
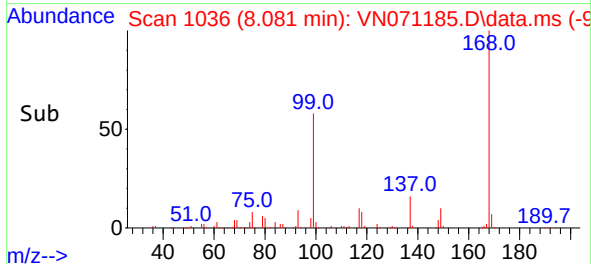
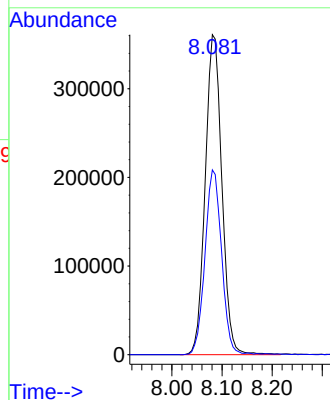
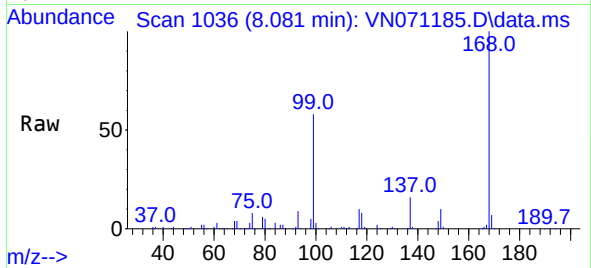




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

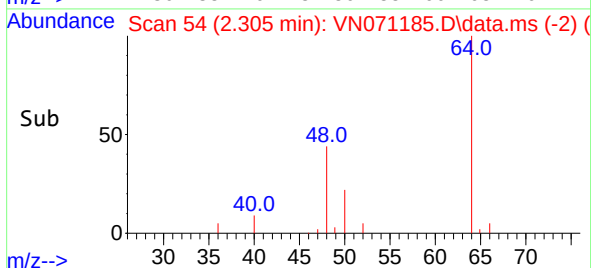
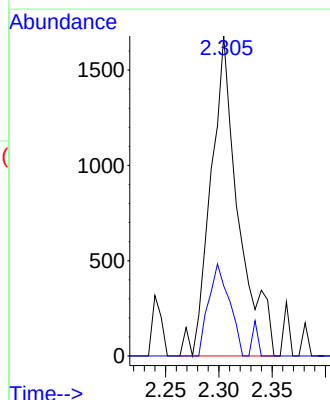
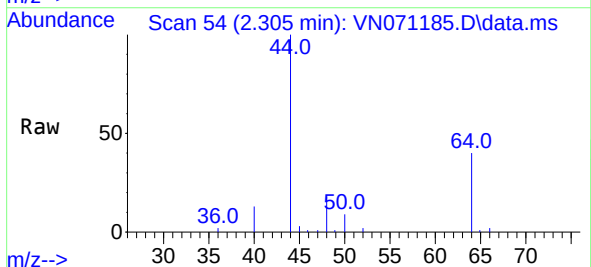
Instrument :
MSVOA_N
ClientSampleId :

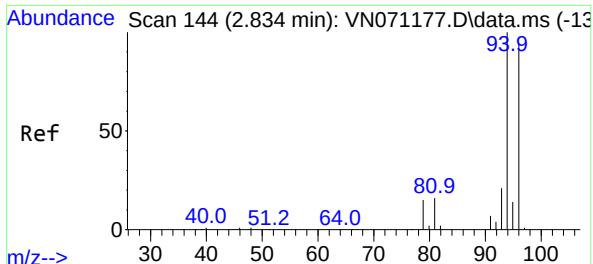
Tgt Ion:168 Resp: 834294
Ion Ratio Lower Upper
168 100
99 57.7 41.3 61.9



#3
Chloromethane
Concen: 0.214 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

Tgt Ion: 50 Resp: 3044
Ion Ratio Lower Upper
50 100
52 21.9 25.4 38.0#

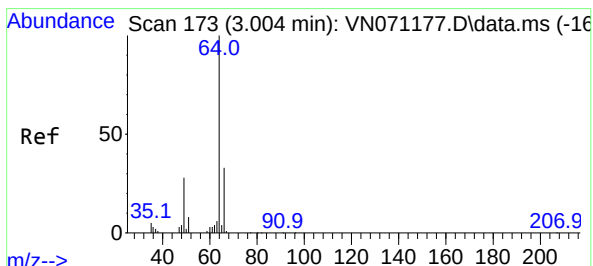
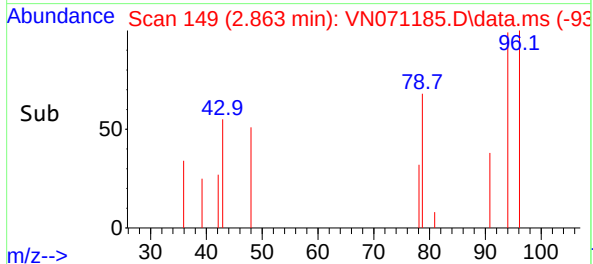
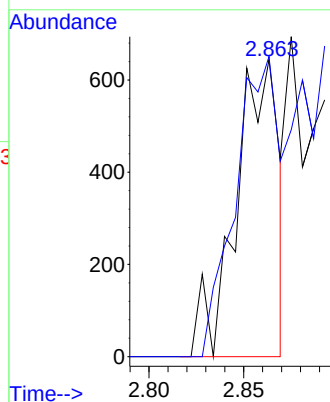
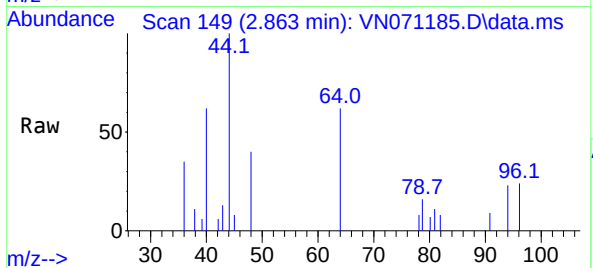




#5
Bromomethane
Concen: Below Cal
RT: 2.863 min Scan# 14
Delta R.T. 0.029 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

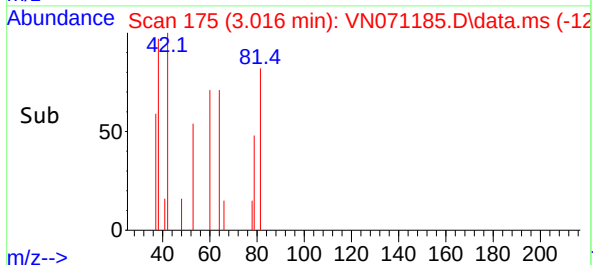
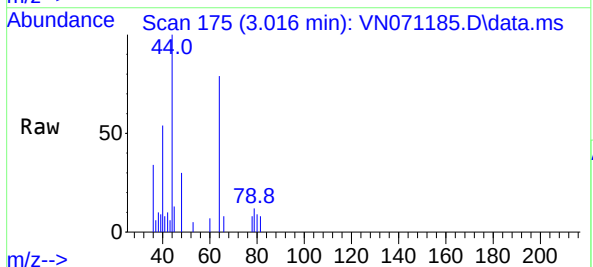
Instrument :
MSVOA_N
ClientSampleId :

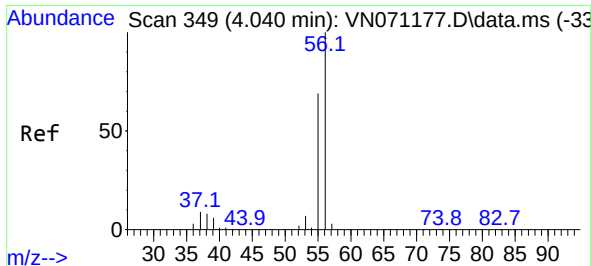
Tgt Ion: 94 Resp: 1014
Ion Ratio Lower Upper
94 100
96 101.1 73.8 110.8



#6
Chloroethane
Concen: 0.215 ug/l
RT: 3.016 min Scan# 175
Delta R.T. 0.012 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

Tgt Ion: 64 Resp: 1457
Ion Ratio Lower Upper
64 100
66 22.7 26.3 39.5#

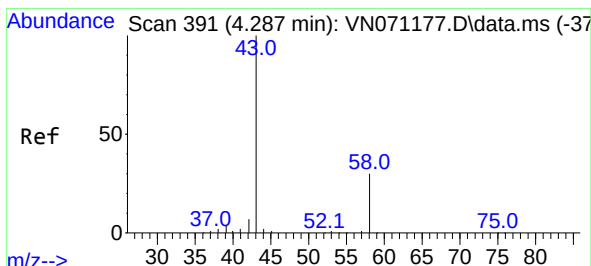
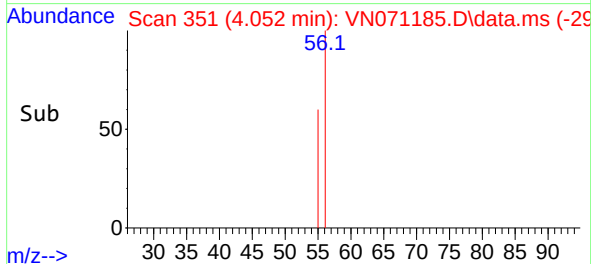
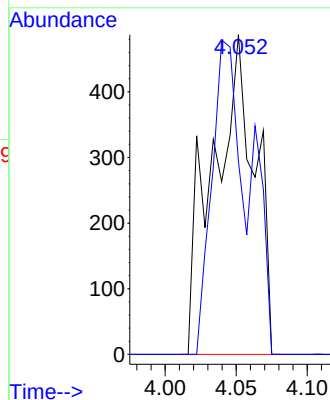
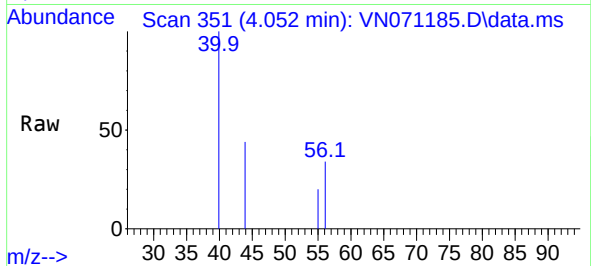




#13
Acrolein
Concen: 0.422 ug/l
RT: 4.052 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

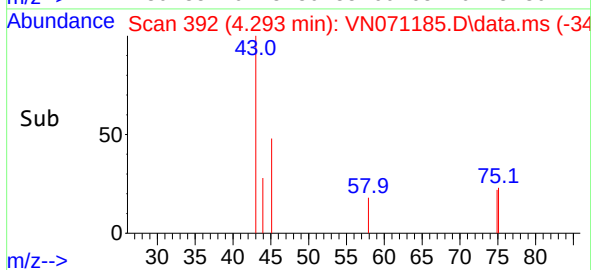
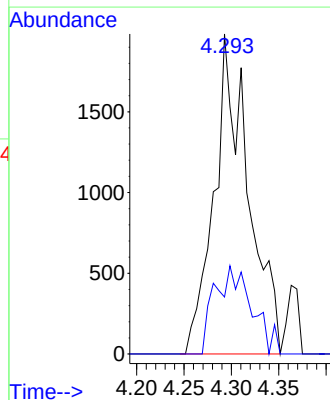
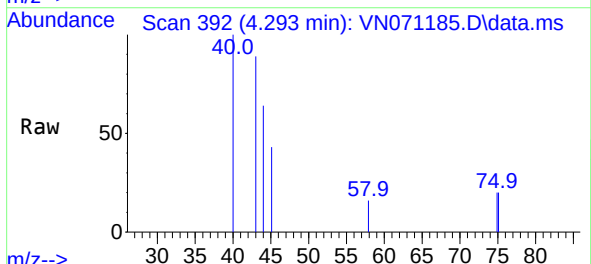
Instrument :
MSVOA_N
ClientSampleId :

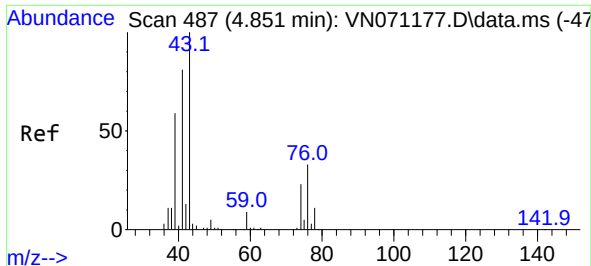
Tgt Ion: 56 Resp: 1004
Ion Ratio Lower Upper
56 100
55 86.7 56.6 85.0#



#16
Acetone
Concen: 0.891 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.006 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

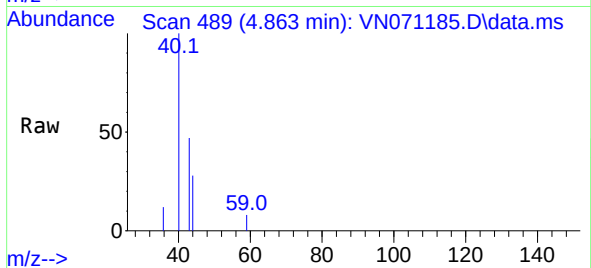
Tgt Ion: 43 Resp: 4959
Ion Ratio Lower Upper
43 100
58 17.8 23.1 34.7#



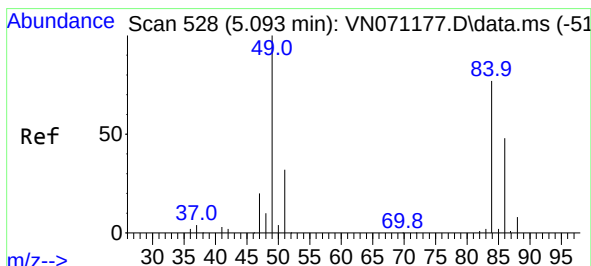
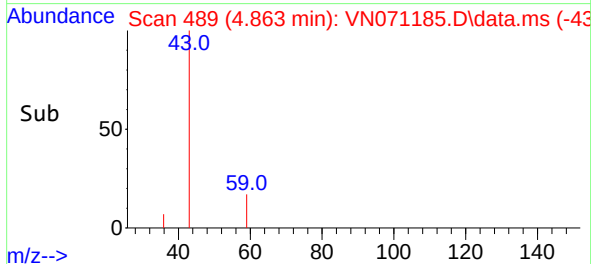
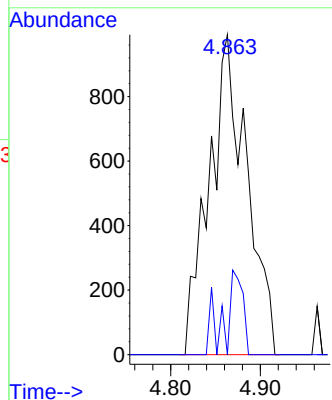


#18
Methyl Acetate
Concen: 0.662 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

Instrument :
MSVOA_N
ClientSampleId :

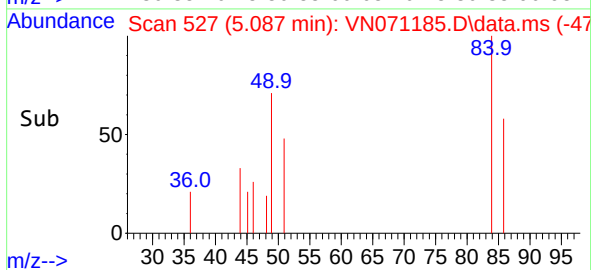
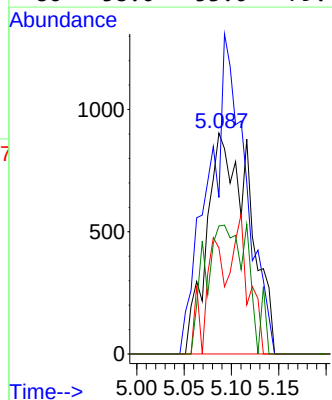
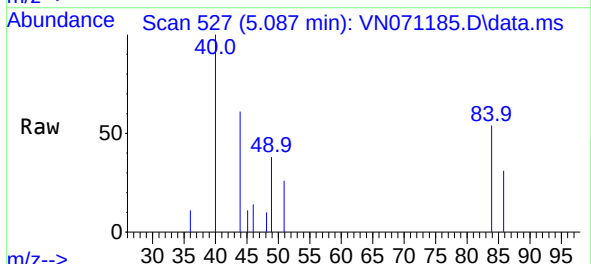


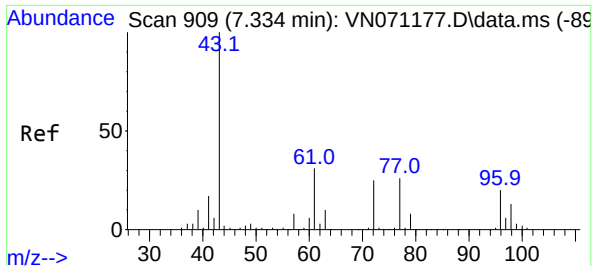
Tgt Ion: 43 Resp: 2889
Ion Ratio Lower Upper
43 100
74 10.2 19.4 29.2#



#20
Methylene Chloride
Concen: 0.661 ug/l
RT: 5.087 min Scan# 527
Delta R.T. -0.006 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

Tgt Ion: 84 Resp: 2858
Ion Ratio Lower Upper
84 100
49 70.9 93.5 140.3#
51 48.1 29.4 44.2#
86 58.0 53.0 79.4





#25

2-Butanone

Concen: 0.343 ug/l

RT: 7.363 min Scan# 914

Delta R.T. 0.030 min

Lab File: VN071185.D

Acq: 08 Mar 2022 12:41

Instrument :

MSVOA_N

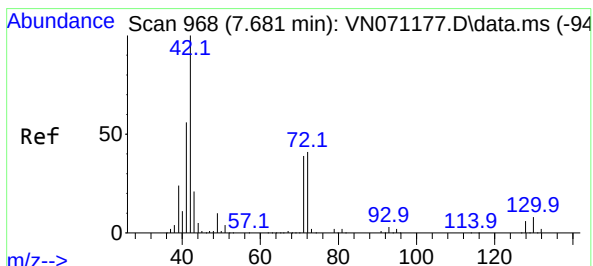
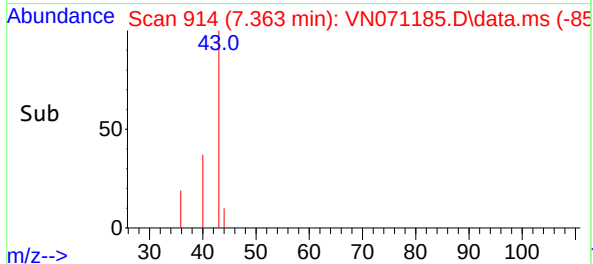
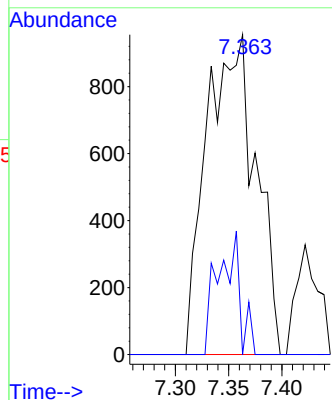
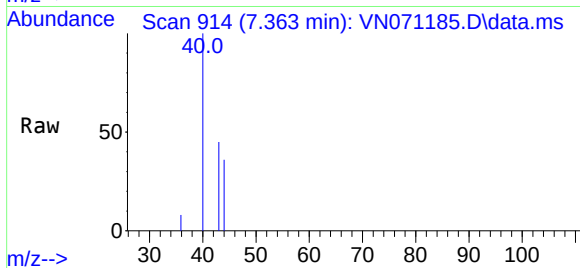
ClientSampleId :

Tgt Ion: 43 Resp: 3073

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.282 ug/l

RT: 7.687 min Scan# 969

Delta R.T. 0.006 min

Lab File: VN071185.D

Acq: 08 Mar 2022 12:41

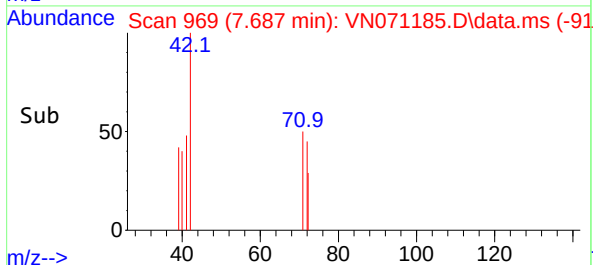
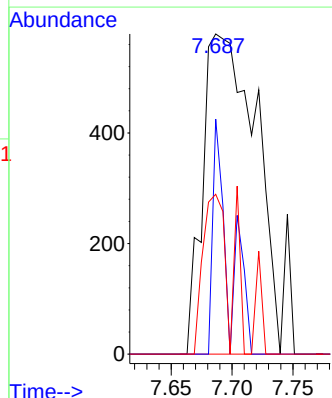
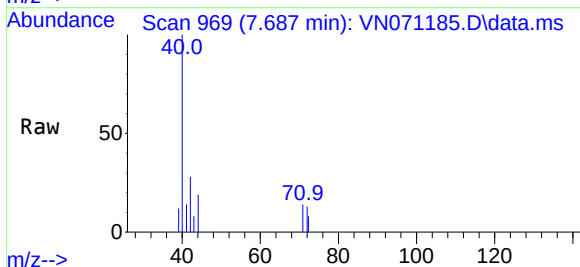
Tgt Ion: 42 Resp: 1748

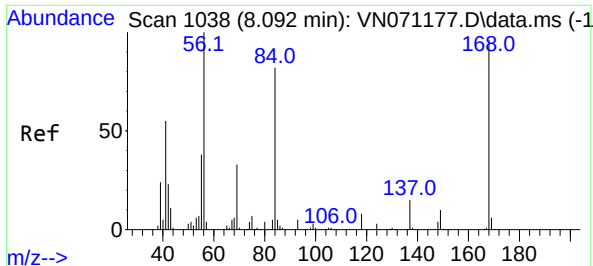
Ion Ratio Lower Upper

42 100

72 14.0 36.3 54.5#

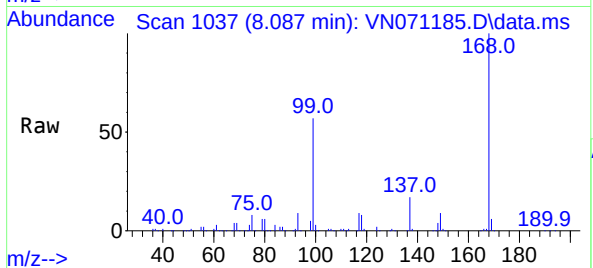
71 20.0 34.7 52.1#



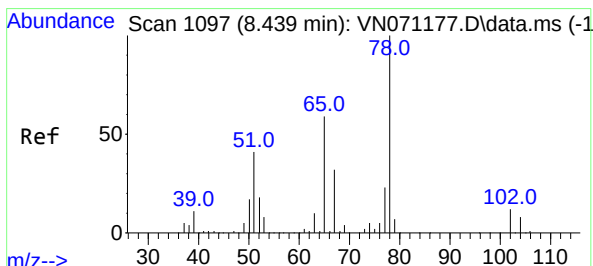
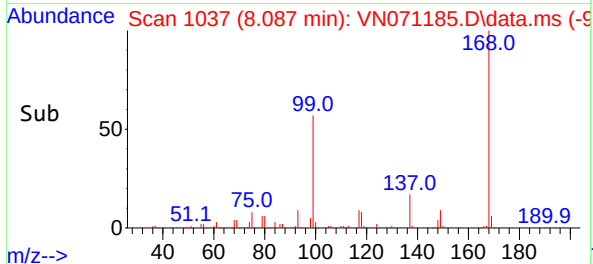
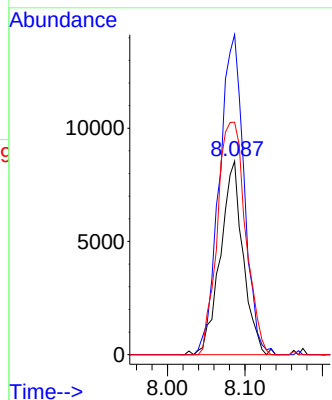


#31
Cyclohexane
Concen: 0.957 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

Instrument :
MSVOA_N
ClientSampleId :

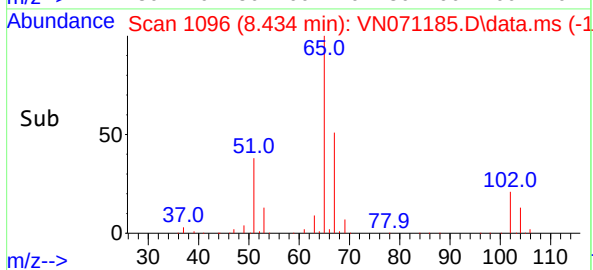
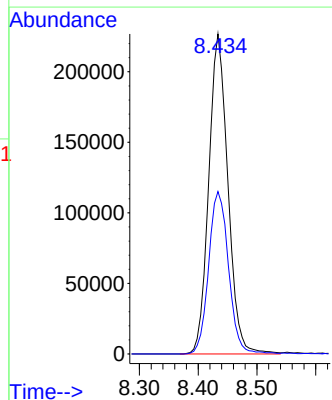
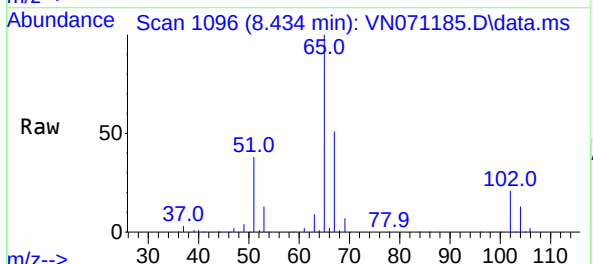


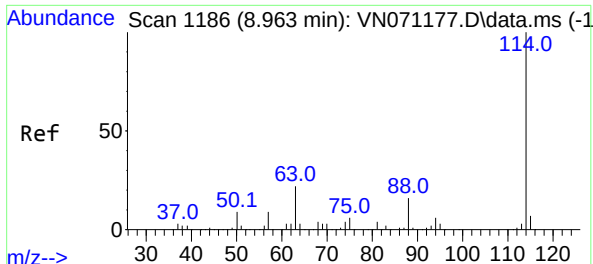
Tgt Ion: 56 Resp: 17481
Ion Ratio Lower Upper
56 100
69 165.5 27.1 40.7#
84 120.2 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 44.842 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.006 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

Tgt Ion: 65 Resp: 512742
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.0

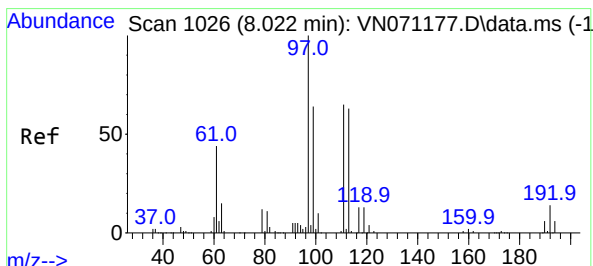
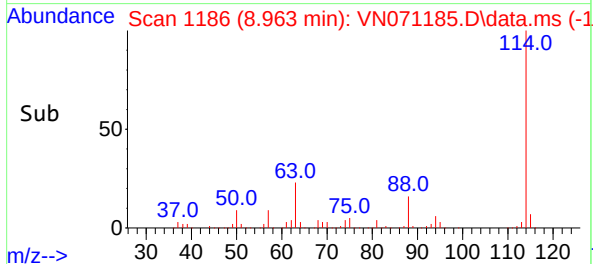
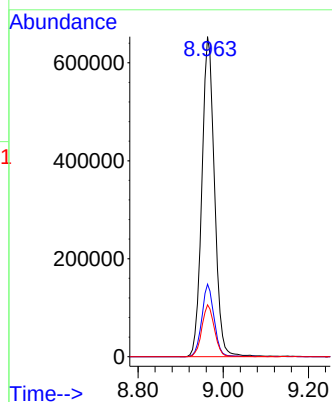
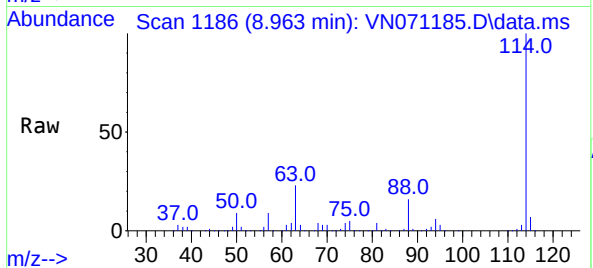




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

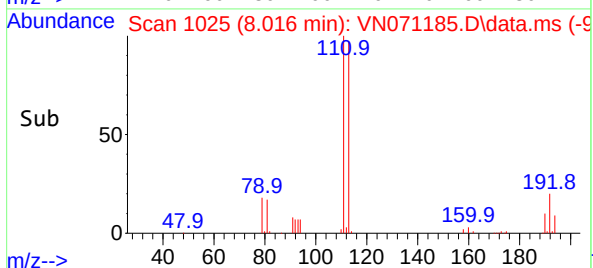
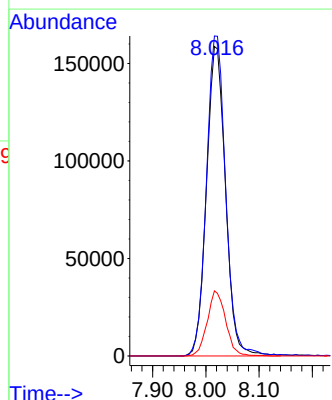
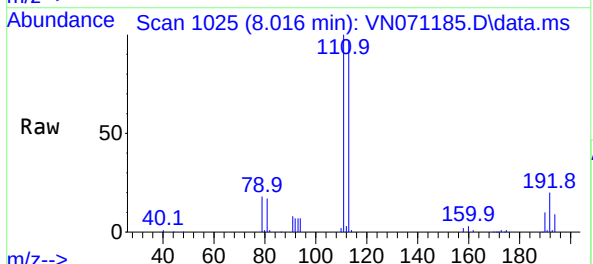
Instrument :
MSVOA_N
ClientSampleId :

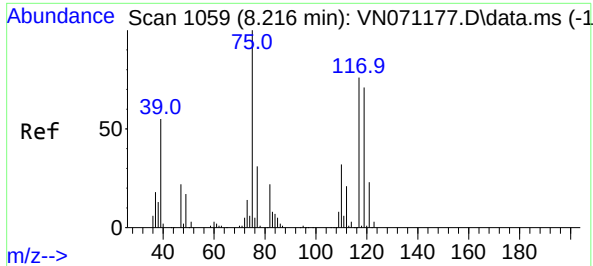
Tgt Ion:114 Resp: 1346467
Ion Ratio Lower Upper
114 100
63 22.7 0.0 37.8
88 16.2 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.355 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

Tgt Ion:113 Resp: 393867
Ion Ratio Lower Upper
113 100
111 104.8 82.2 123.2
192 20.4 16.9 25.3

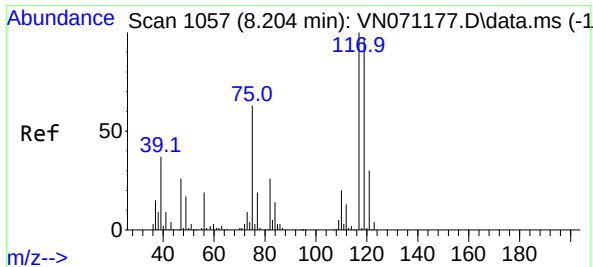
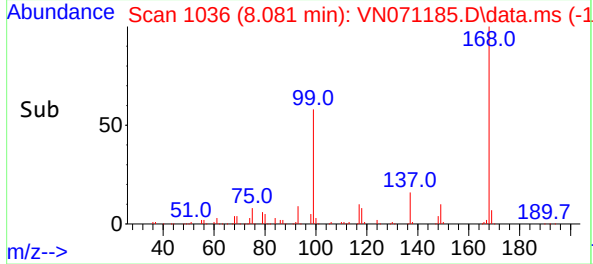
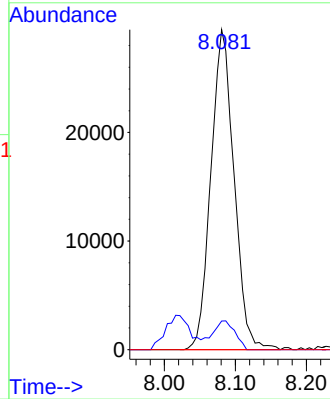
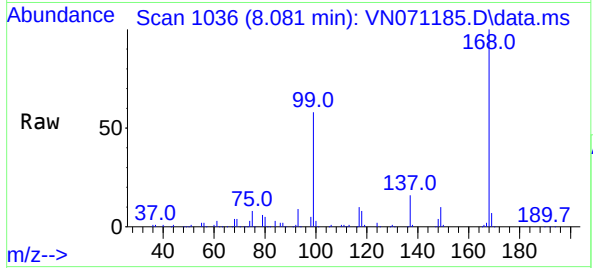




#36
1,1-Dichloropropene
Concen: 4.892 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

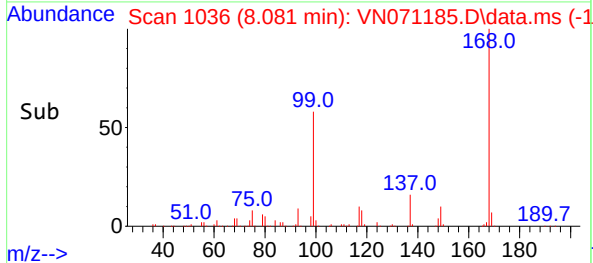
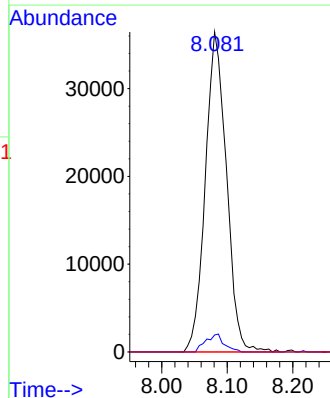
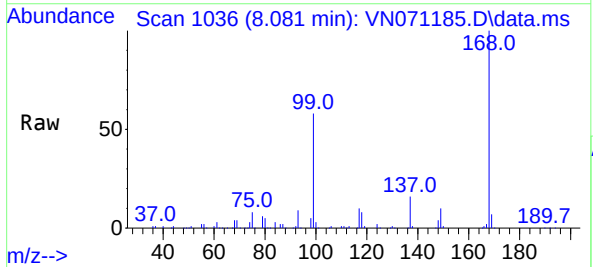
Instrument :
MSVOA_N
ClientSampleId :

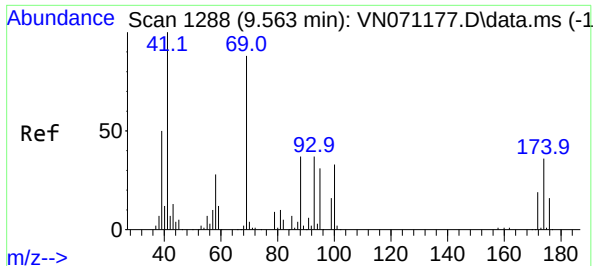
Tgt Ion: 75 Resp: 66597
Ion Ratio Lower Upper
75 100
110 7.7 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.206 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.123 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

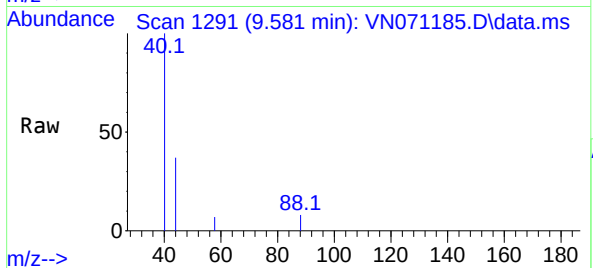
Tgt Ion: 117 Resp: 81723
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.2 36.2#



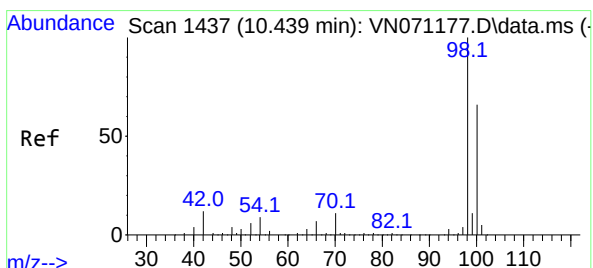
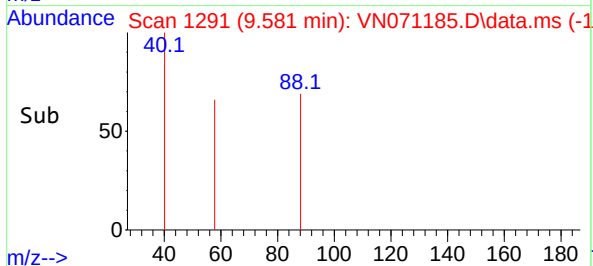
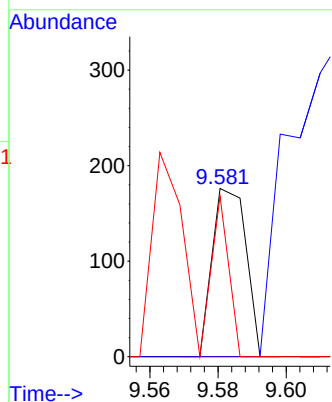


#49
1,4-Dioxane
Concen: 0.536 ug/l
RT: 9.581 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

Instrument :
MSVOA_N
ClientSampleId :

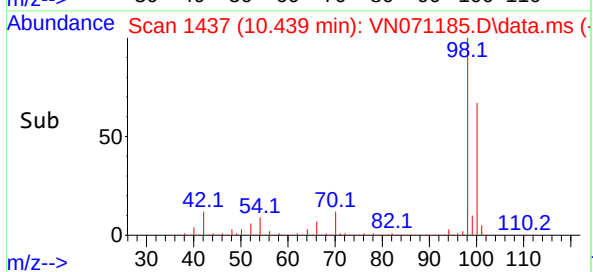
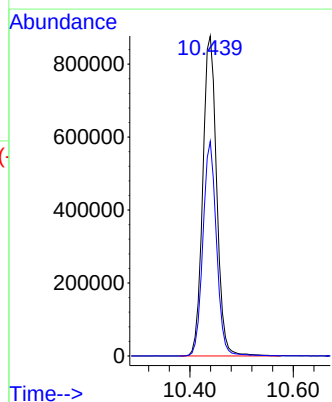
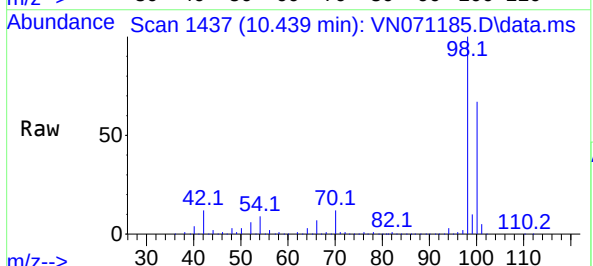


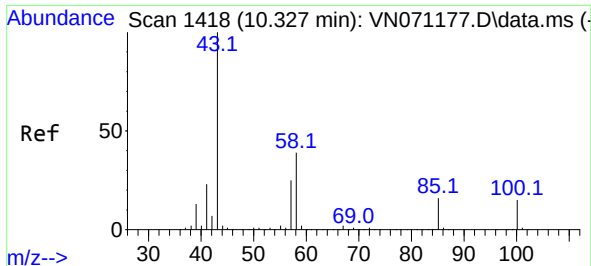
Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 157.9 50.6 75.8#



#50
Toluene-d8
Concen: 47.819 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

Tgt Ion: 98 Resp: 1635903
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6

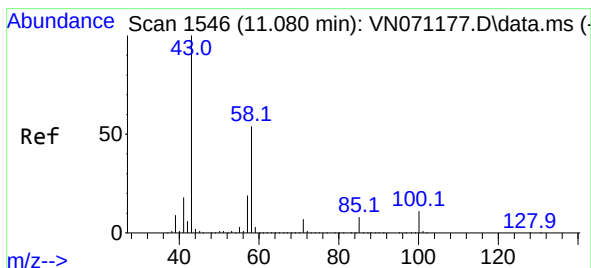
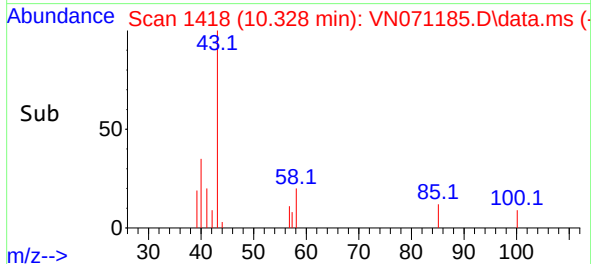
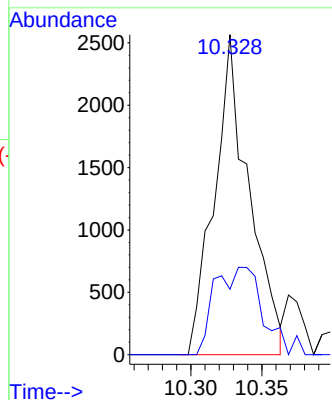
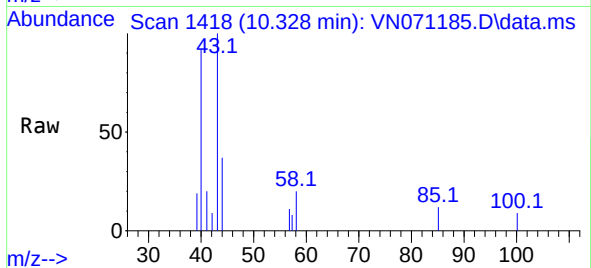




#51
4-Methyl-2-Pentanone
Concen: 0.250 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.001 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

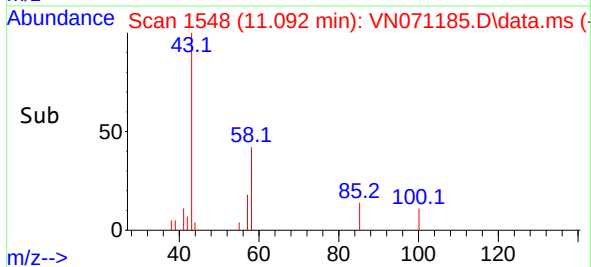
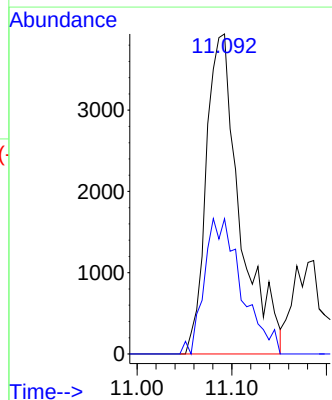
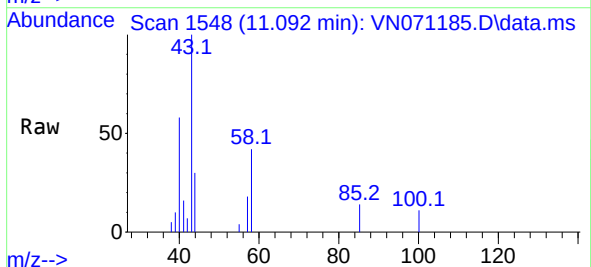
Instrument :
MSVOA_N
ClientSampleId :

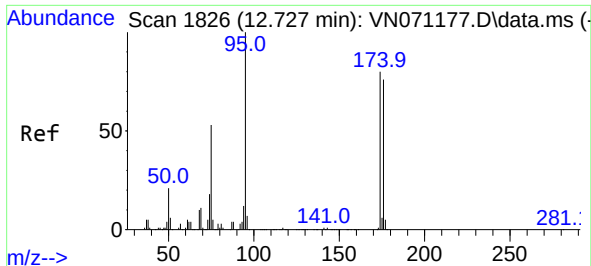
Tgt Ion: 43 Resp: 4353
Ion Ratio Lower Upper
43 100
58 38.5 30.4 45.6



#59
2-Hexanone
Concen: 0.822 ug/l
RT: 11.092 min Scan# 1548
Delta R.T. 0.012 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

Tgt Ion: 43 Resp: 9747
Ion Ratio Lower Upper
43 100
58 46.7 26.9 80.7

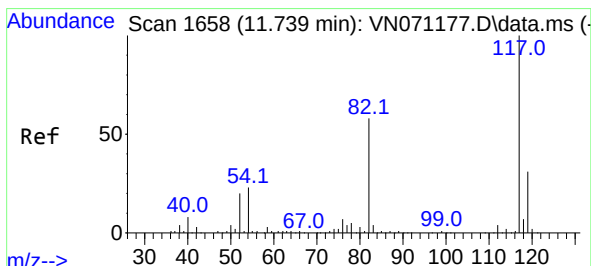
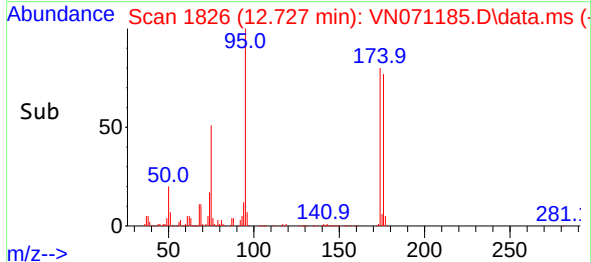
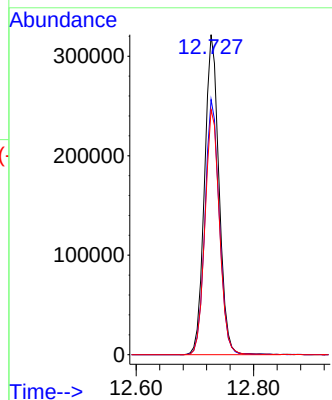
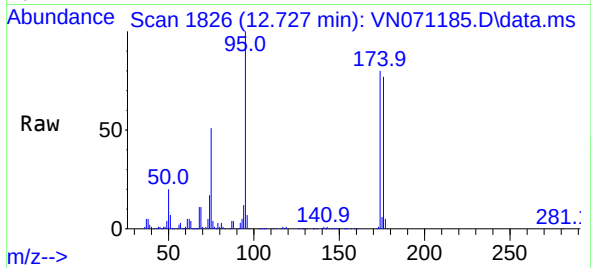




#62
4-Bromofluorobenzene
Concen: 47.189 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

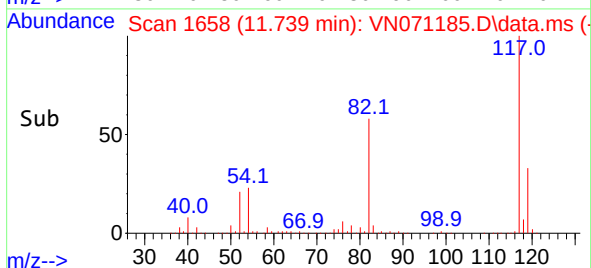
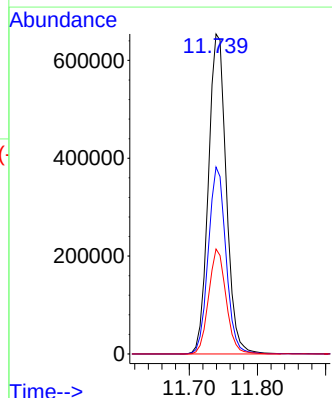
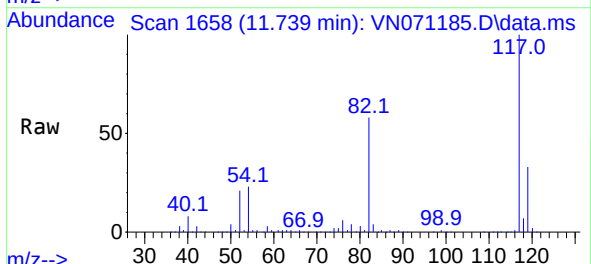
Instrument :
MSVOA_N
ClientSampleId :

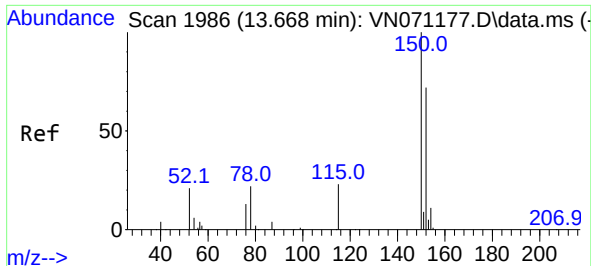
Tgt Ion: 95 Resp: 546654
Ion Ratio Lower Upper
95 100
174 79.2 0.0 187.2
176 76.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

Tgt Ion: 117 Resp: 1193205
Ion Ratio Lower Upper
117 100
82 58.4 42.4 63.6
119 32.8 25.4 38.2

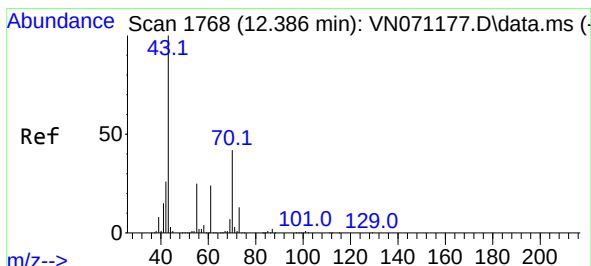
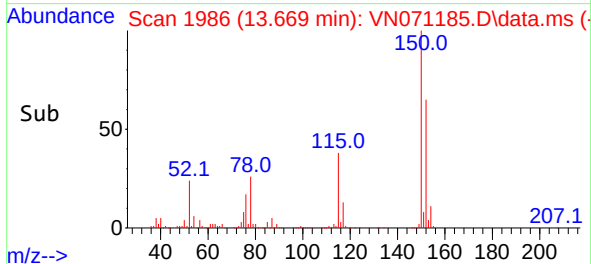
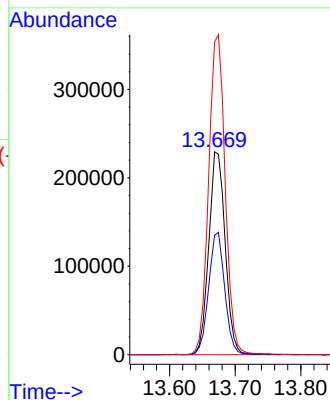
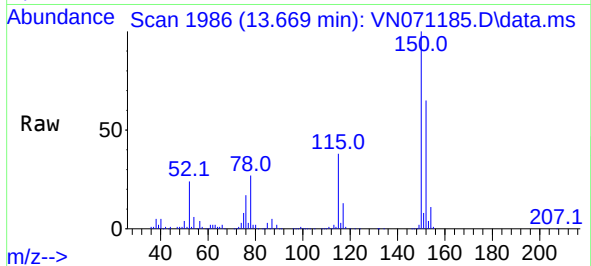




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

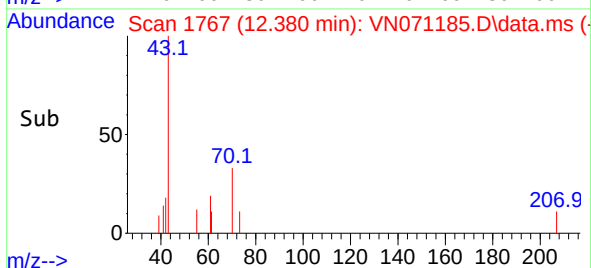
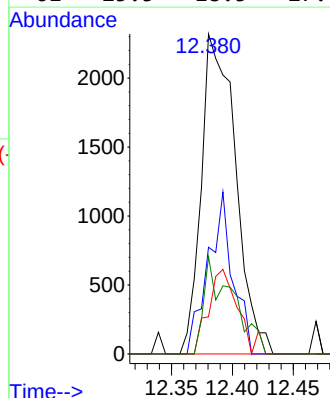
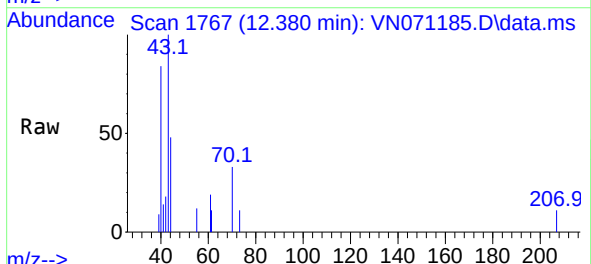
Instrument :
MSVOA_N
ClientSampleId :

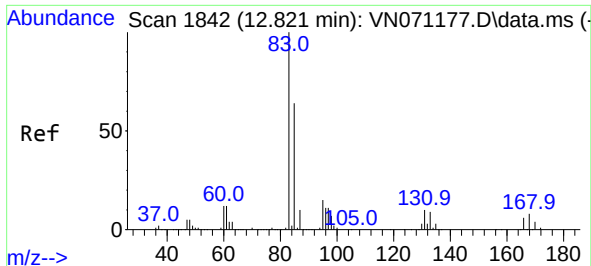
Tgt Ion:152 Resp: 400336
Ion Ratio Lower Upper
152 100
115 59.2 27.5 82.5
150 158.7 0.0 344.4



#74
N-ethyl acetate
Concen: 0.313 ug/l
RT: 12.380 min Scan# 1767
Delta R.T. -0.006 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

Tgt Ion: 43 Resp: 4541
Ion Ratio Lower Upper
43 100
70 36.5 33.4 50.0
55 22.8 19.3 28.9
61 25.5 18.5 27.7

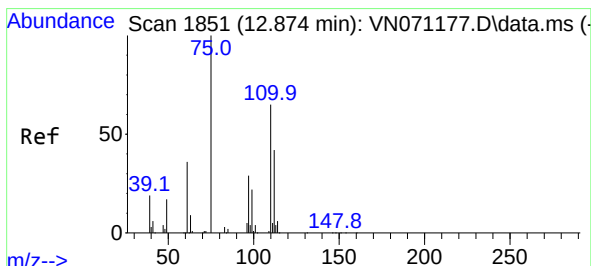
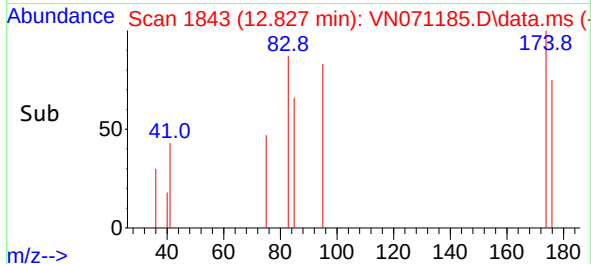
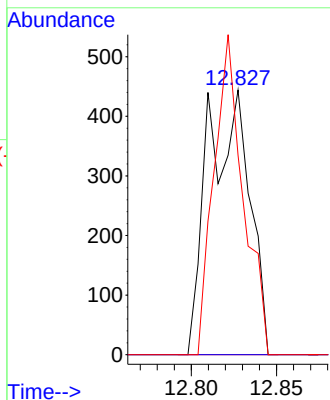
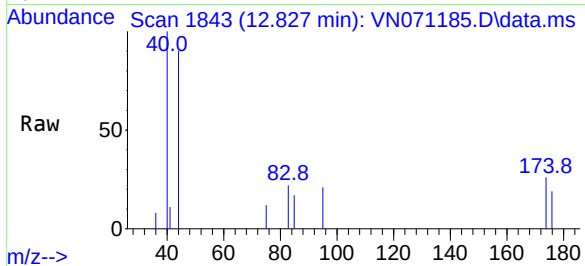




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.827 min Scan# 1185
Delta R.T. 0.006 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

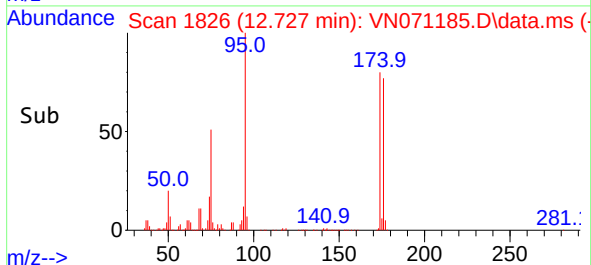
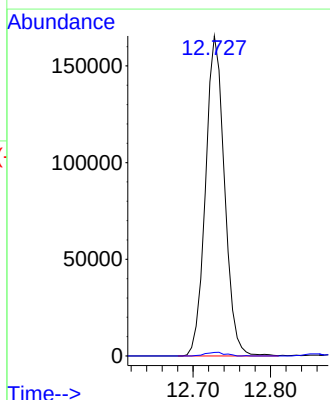
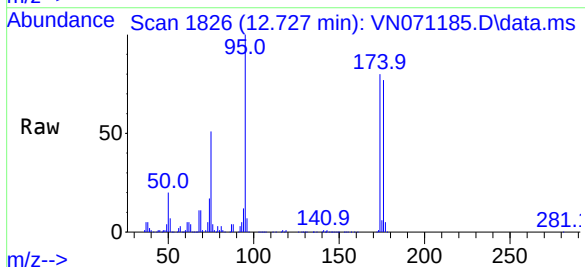
Instrument :
MSVOA_N
ClientSampleId :

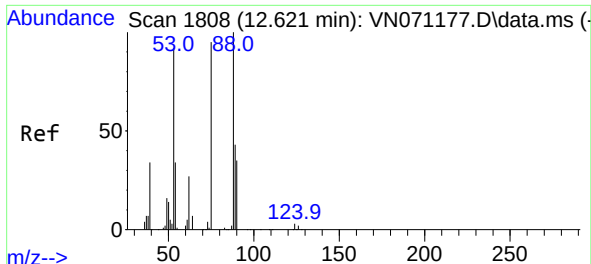
Tgt Ion: 83 Resp: 751
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 85.1 32.4 97.2



#76
1,2,3-Trichloropropane
Concen: 27.762 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

Tgt Ion: 75 Resp: 281545
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

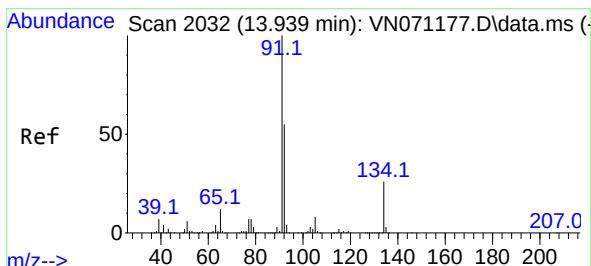
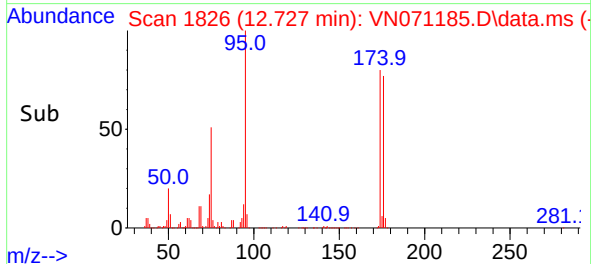
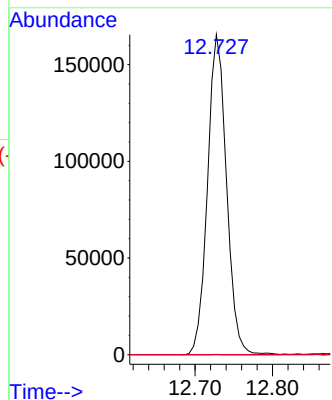
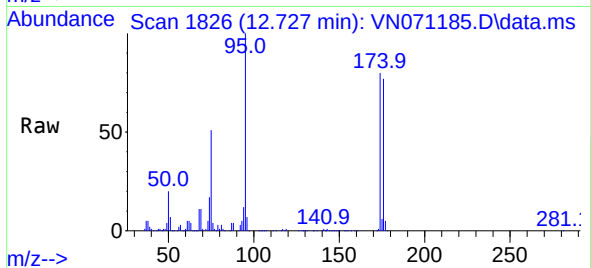




#81
trans-1,4-Dichloro-2-butene
Concen: 76.023 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

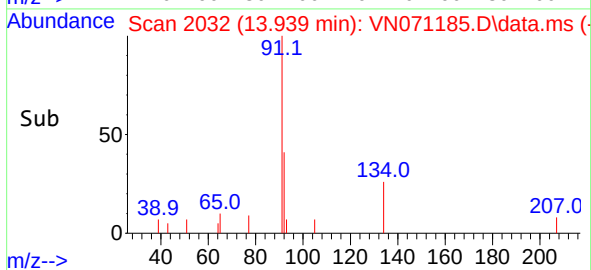
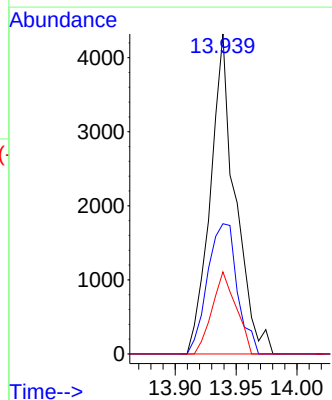
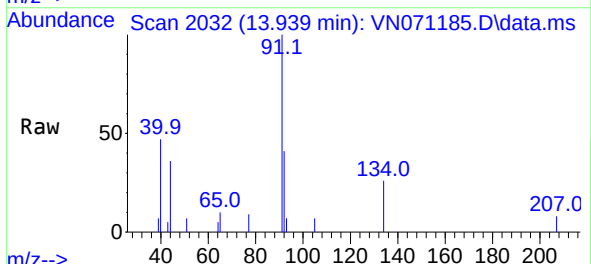
Instrument :
MSVOA_N
ClientSampleId :

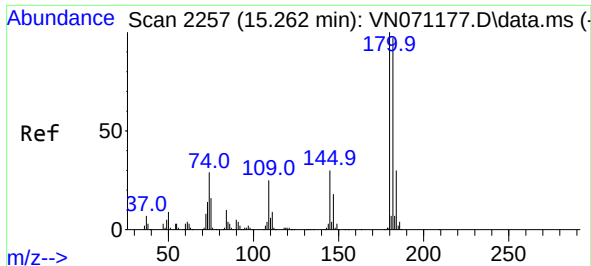
Tgt Ion: 75 Resp: 281545
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#89
n-Butylbenzene
Concen: 0.281 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

Tgt Ion: 91 Resp: 6153
Ion Ratio Lower Upper
91 100
92 48.6 25.4 76.0
134 24.7 13.6 40.8

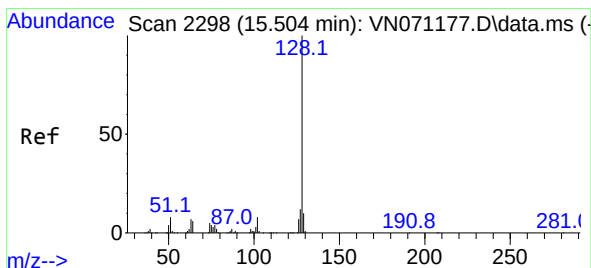
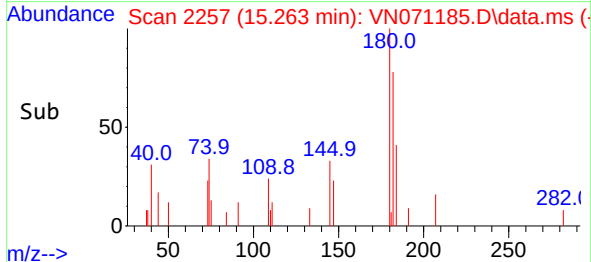
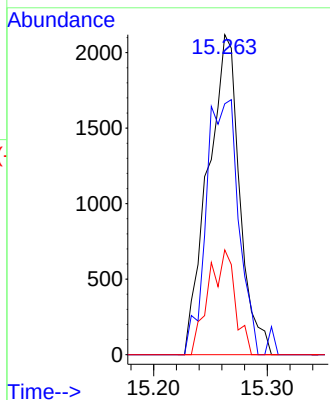
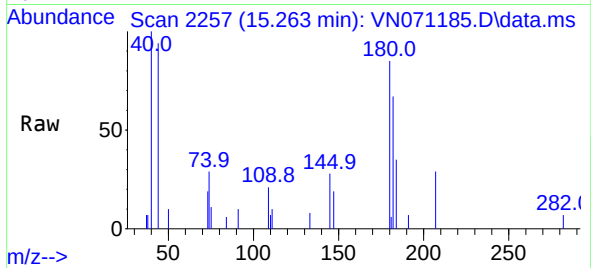




#93
1,2,4-Trichlorobenzene
Concen: 3.578 ug/l
RT: 15.263 min Scan# 211
Delta R.T. 0.001 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

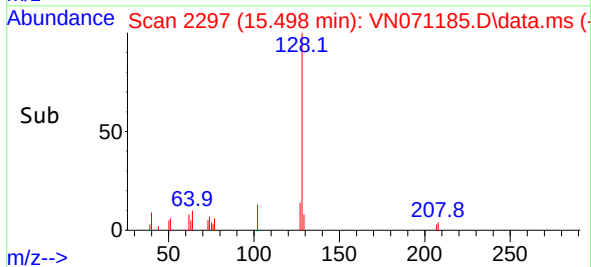
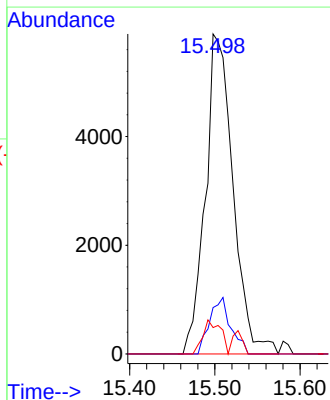
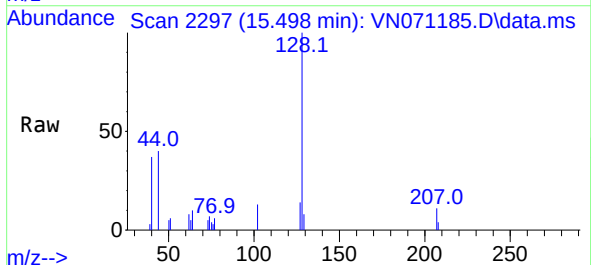
Instrument :
MSVOA_N
ClientSampleId :

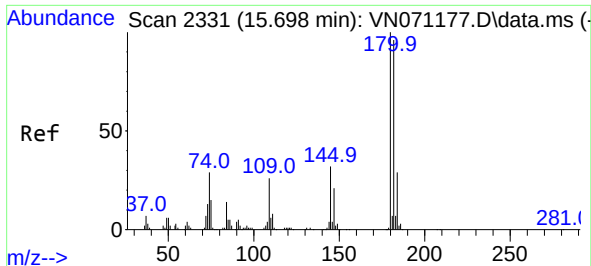
Tgt Ion:180 Resp: 4110
Ion Ratio Lower Upper
180 100
182 81.7 48.3 144.9
145 27.3 14.5 43.5



#95
Naphthalene
Concen: 5.718 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN071185.D
Acq: 08 Mar 2022 12:41

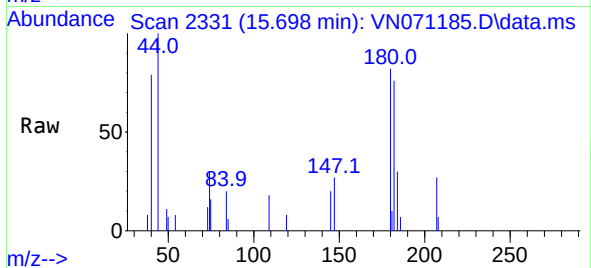
Tgt Ion:128 Resp: 13279
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 6.8 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.445 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071185.D
 Acq: 08 Mar 2022 12:41

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 4742
 Ion Ratio Lower Upper
 180 100
 182 84.7 47.4 142.2
 145 26.6 15.0 45.1

