

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031622\
 Data File : VN071330.D
 Acq On : 16 Mar 2022 19:13
 Operator : JC\MD
 Sample : N1957-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MP-3

Quant Time: Mar 17 05:20:48 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)

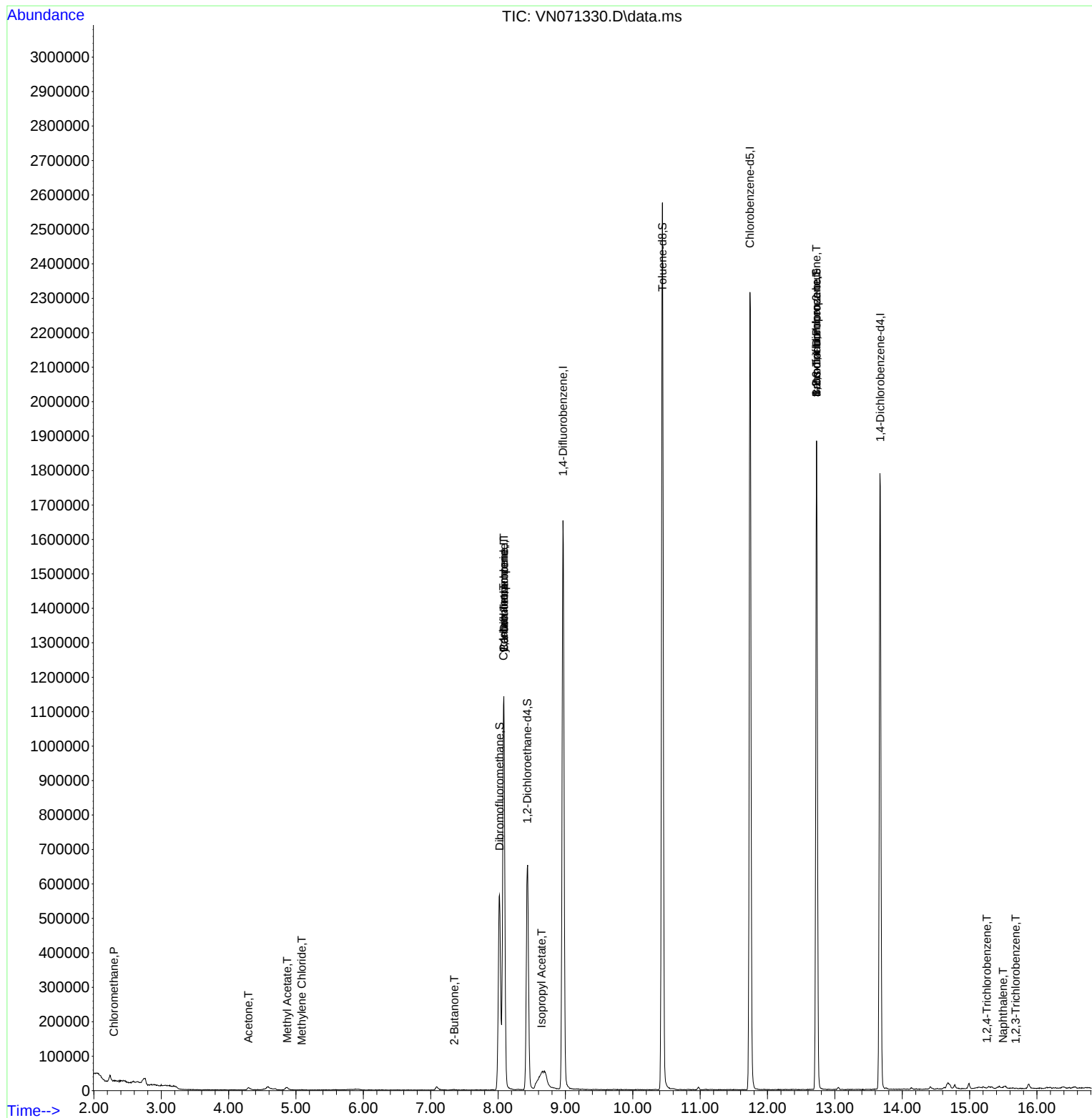
Internal Standards						
1) Pentafluorobenzene	8.086	168	875979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1448009	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1358895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	496020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	548072	45.651	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.300%
35) Dibromofluoromethane	8.022	113	417526	45.694	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	91.380%
50) Toluene-d8	10.439	98	1762748	47.914	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.820%
62) 4-Bromofluorobenzene	12.727	95	655892	52.648	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	105.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	3343	0.225	ug/l	99
5) Bromomethane	2.857	94	1175	Below Cal	#	79
16) Acetone	4.292	43	9229	1.580	ug/l	94
18) Methyl Acetate	4.869	43	16968	1.541	ug/l #	67
20) Methylene Chloride	5.087	84	196	0.400	ug/l #	43
25) 2-Butanone	7.351	43	1887	0.201	ug/l #	63
31) Cyclohexane	8.080	56	18311	0.955	ug/l #	18
36) 1,1-Dichloropropene	8.086	75	69835	4.770	ug/l #	48
38) Carbon Tetrachloride	8.086	117	86606	6.116	ug/l #	17
43) Isopropyl Acetate	8.645	43	86576	2.873	ug/l #	56
71) Bromoform	12.727	173	4009	0.493	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.715	83	272	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	335772	26.610	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	335772	73.176	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.256	180	304	3.024	ug/l #	71
95) Naphthalene	15.498	128	1576	5.130	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.686	180	92	2.743	ug/l #	1

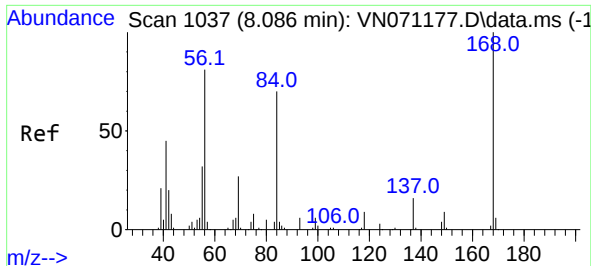
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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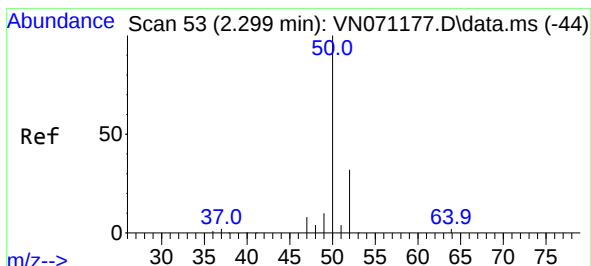
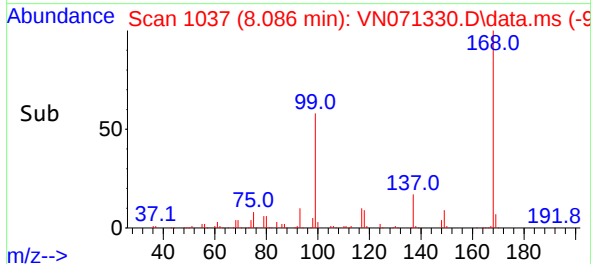
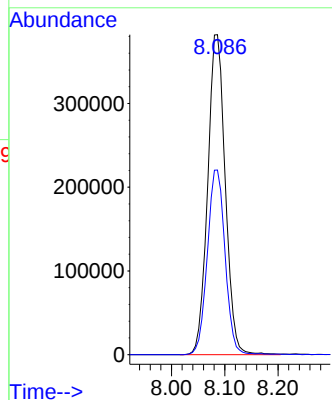
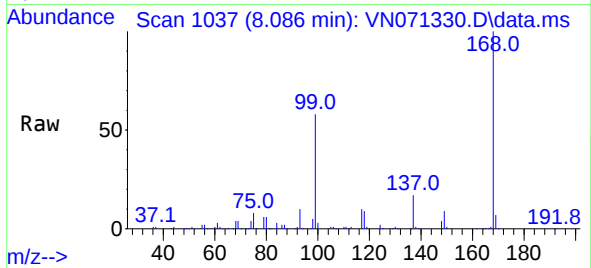




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071330.D
Acq: 16 Mar 2022 19:13

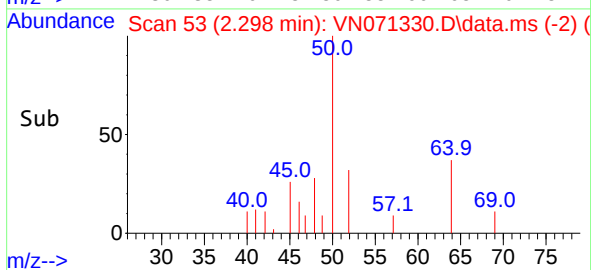
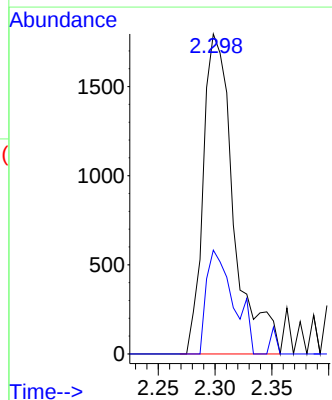
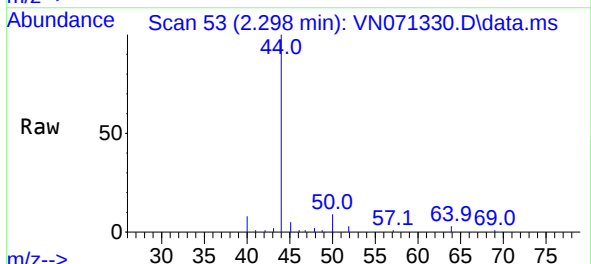
Instrument :
MSVOA_N
ClientSampleId :
MP-3

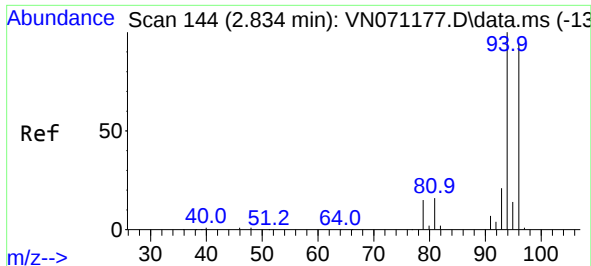
Tgt Ion:168 Resp: 875979
Ion Ratio Lower Upper
168 100
99 57.7 41.3 61.9



#3
Chloromethane
Concen: 0.225 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN071330.D
Acq: 16 Mar 2022 19:13

Tgt Ion: 50 Resp: 3343
Ion Ratio Lower Upper
50 100
52 32.4 25.4 38.0

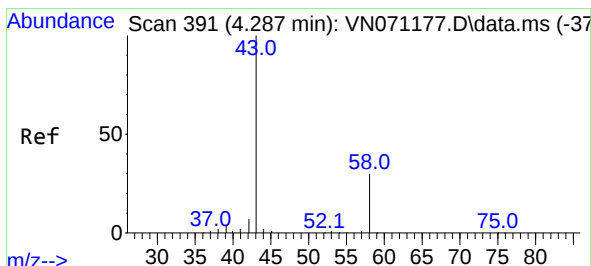
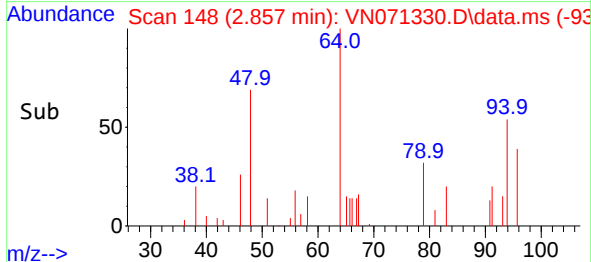
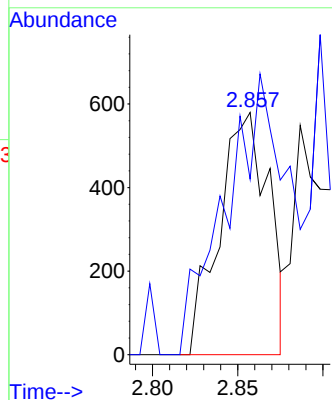
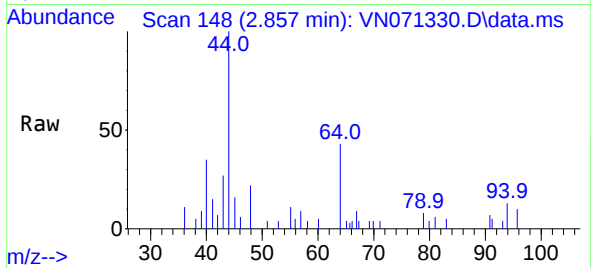




#5
Bromomethane
Concen: Below Cal
RT: 2.857 min Scan# 14
Delta R.T. 0.023 min
Lab File: VN071330.D
Acq: 16 Mar 2022 19:13

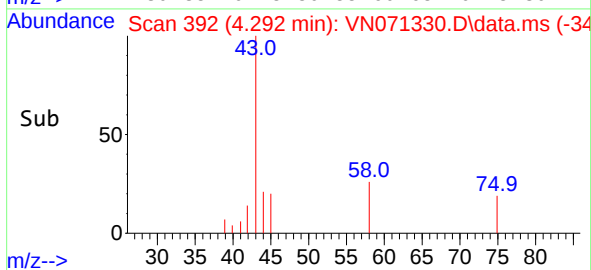
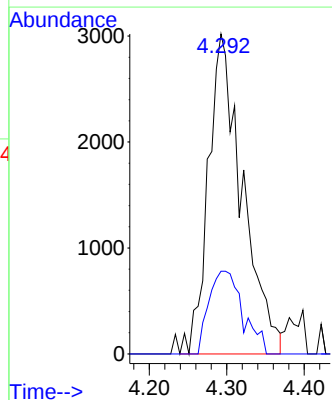
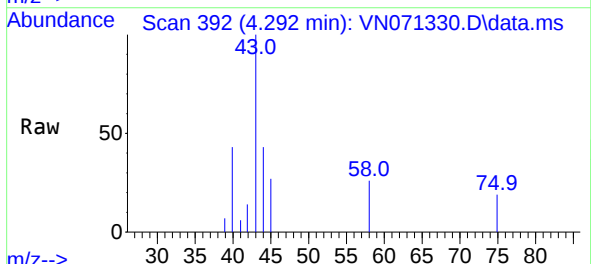
Instrument :
MSVOA_N
ClientSampleId :
MP-3

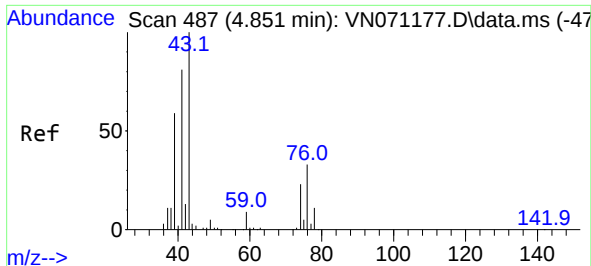
Tgt Ion: 94 Resp: 1175
Ion Ratio Lower Upper
94 100
96 72.4 73.8 110.8#



#16
Acetone
Concen: 1.580 ug/l
RT: 4.292 min Scan# 392
Delta R.T. 0.006 min
Lab File: VN071330.D
Acq: 16 Mar 2022 19:13

Tgt Ion: 43 Resp: 9229
Ion Ratio Lower Upper
43 100
58 25.8 23.1 34.7

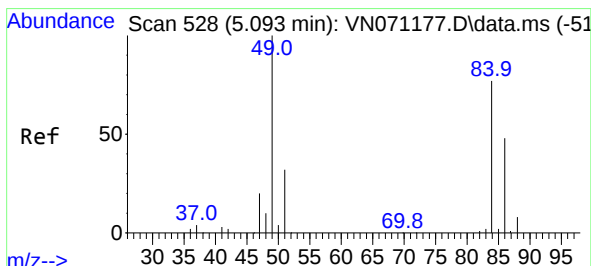
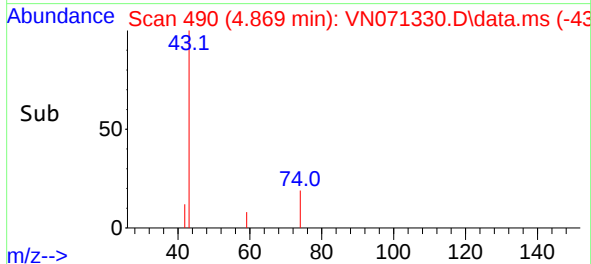
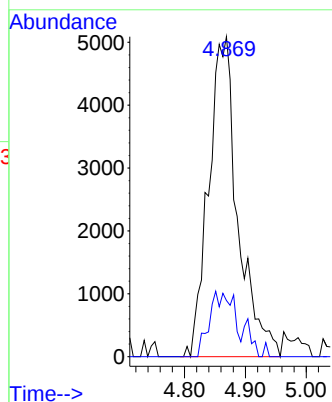
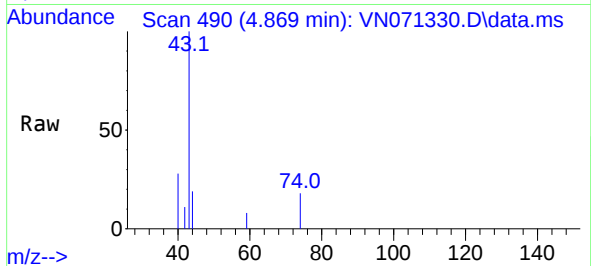




#18
Methyl Acetate
Concen: 1.541 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.018 min
Lab File: VN071330.D
Acq: 16 Mar 2022 19:13

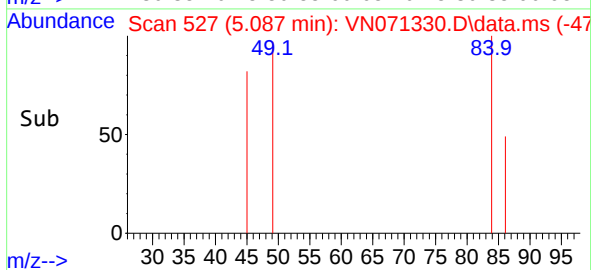
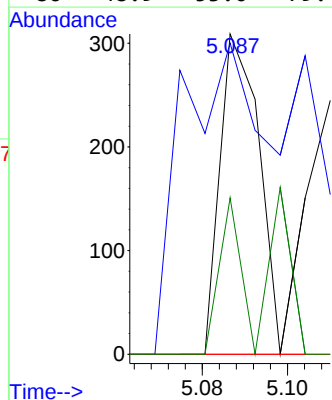
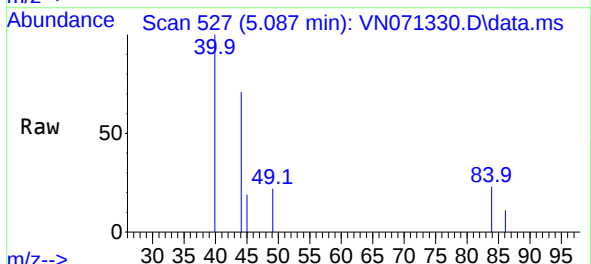
Instrument :
MSVOA_N
ClientSampleId :
MP-3

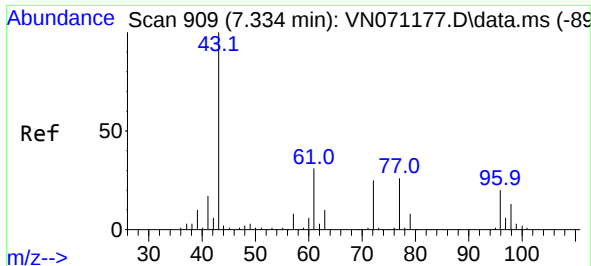
Tgt Ion: 43 Resp: 16968
Ion Ratio Lower Upper
43 100
74 7.9 19.4 29.2#



#20
Methylene Chloride
Concen: 0.400 ug/l
RT: 5.087 min Scan# 527
Delta R.T. -0.006 min
Lab File: VN071330.D
Acq: 16 Mar 2022 19:13

Tgt Ion: 84 Resp: 196
Ion Ratio Lower Upper
84 100
49 35.0 93.5 140.3#
51 0.0 29.4 44.2#
86 48.9 53.0 79.4#





#25

2-Butanone

Concen: 0.201 ug/l

RT: 7.351 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN071330.D

Acq: 16 Mar 2022 19:13

Instrument :

MSVOA_N

ClientSampleId :

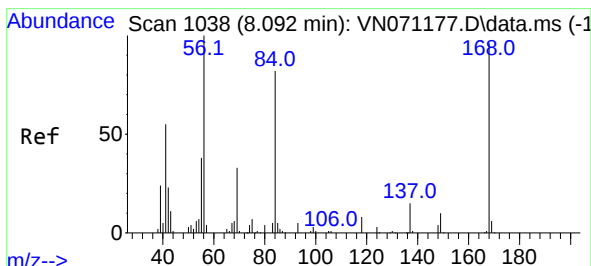
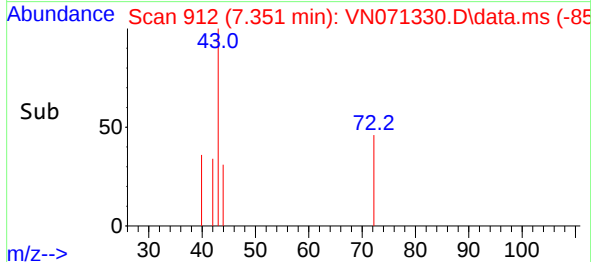
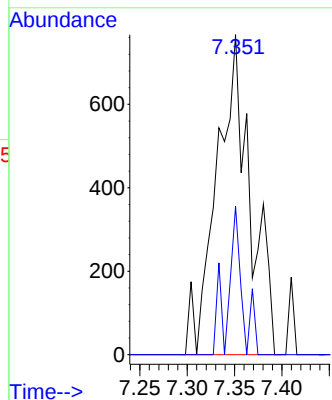
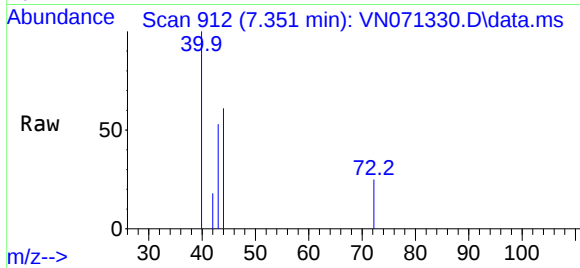
MP-3

Tgt Ion: 43 Resp: 1887

Ion Ratio Lower Upper

43 100

72 46.4 21.7 32.5#



#31

Cyclohexane

Concen: 0.955 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071330.D

Acq: 16 Mar 2022 19:13

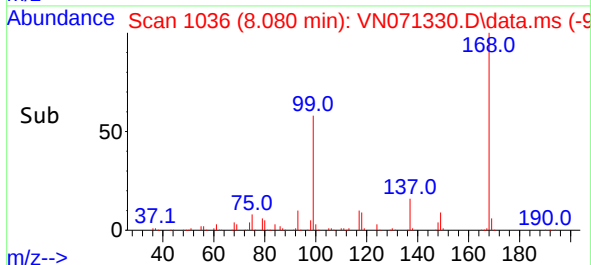
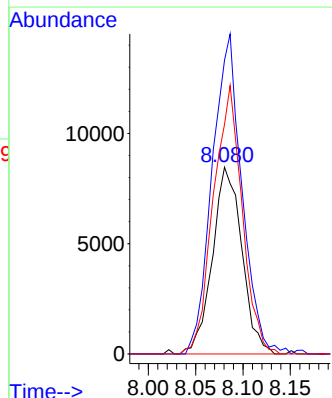
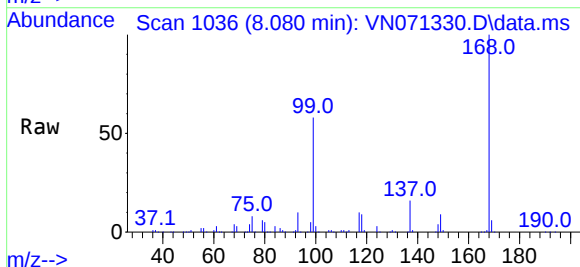
Tgt Ion: 56 Resp: 18311

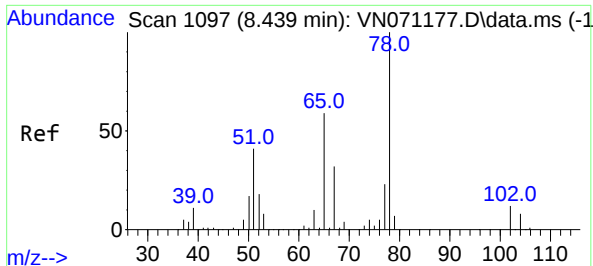
Ion Ratio Lower Upper

56 100

69 157.3 27.1 40.7#

84 123.0 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 45.651 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071330.D

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Instrument :

MSVOA_N

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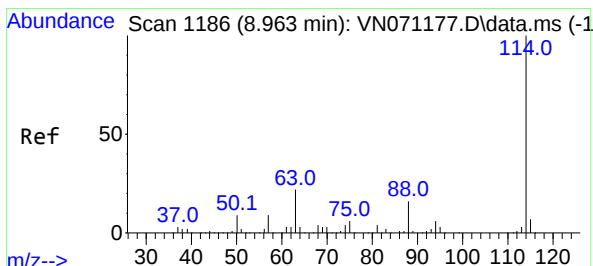
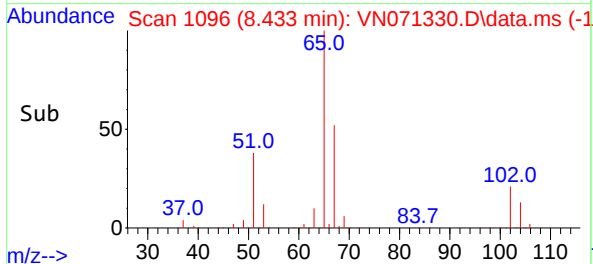
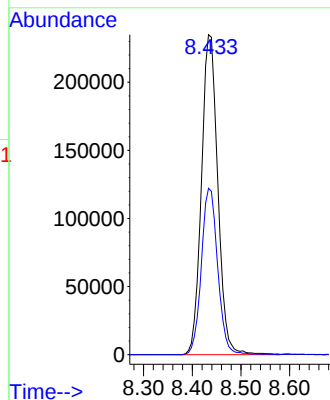
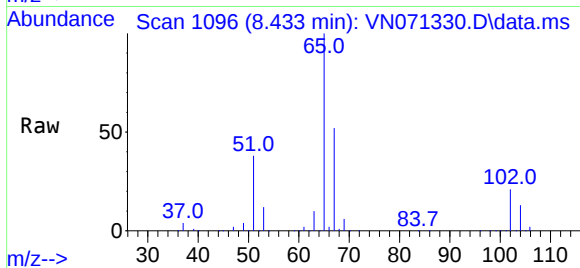
MP-3

Tgt Ion: 65 Resp: 548072

Ion Ratio Lower Upper

65 100

67 52.0 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: VN071330.D

Acq: 16 Mar 2022 19:13

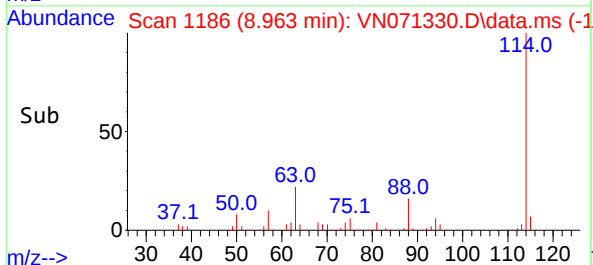
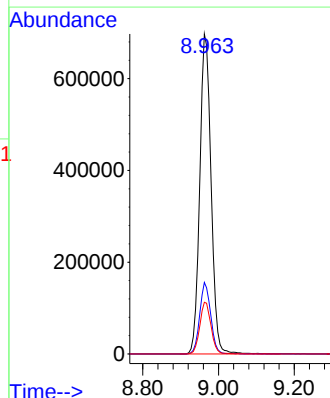
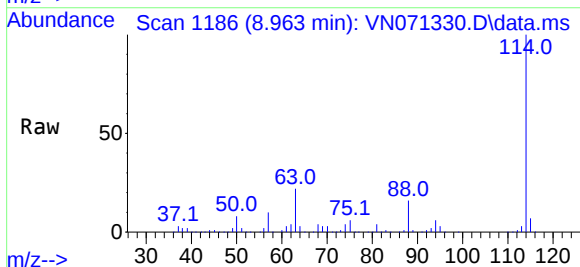
Tgt Ion: 114 Resp: 1448009

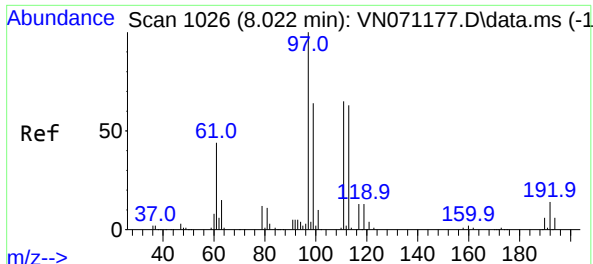
Ion Ratio Lower Upper

114 100

63 22.4 0.0 37.8

88 16.1 0.0 27.4

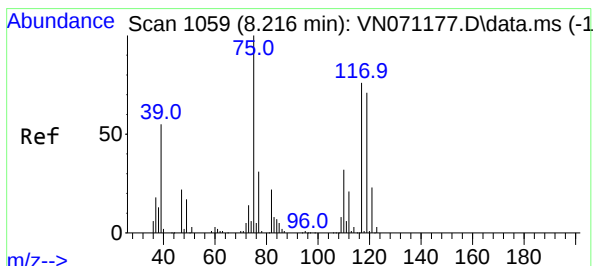
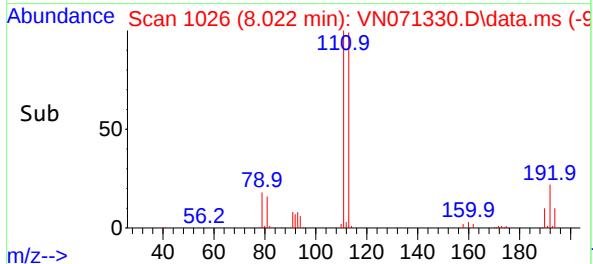
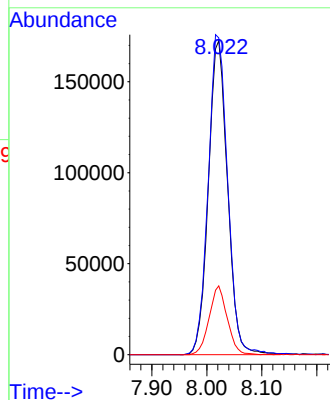
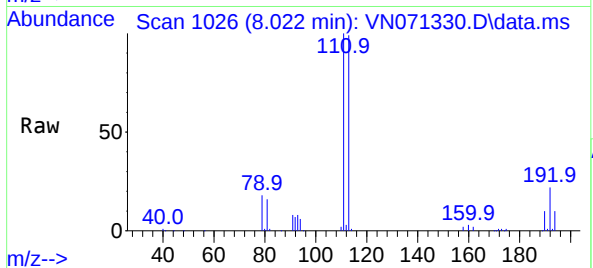




#35
Dibromofluoromethane
Concen: 45.694 ug/l
RT: 8.022 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VN071330.D
Acq: 16 Mar 2022 19:13

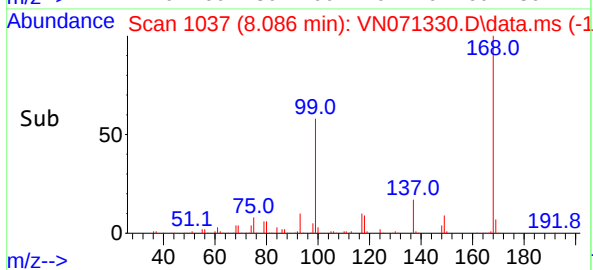
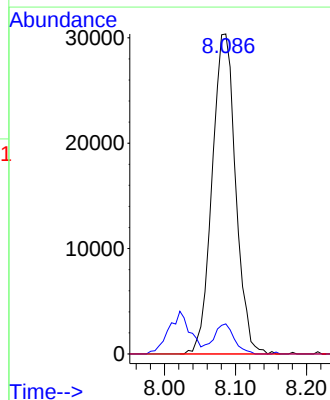
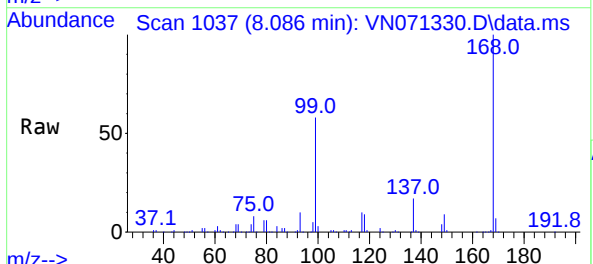
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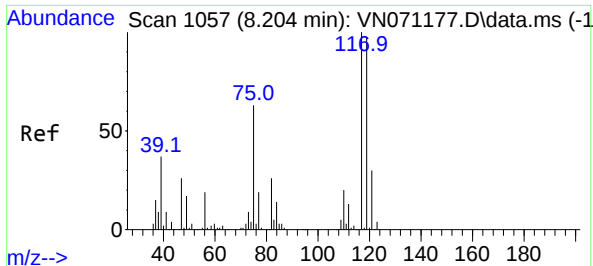
Tgt Ion:113 Resp: 417526
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.2
192 20.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.770 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.130 min
Lab File: VN071330.D
Acq: 16 Mar 2022 19:13

Tgt Ion: 75 Resp: 69835
Ion Ratio Lower Upper
75 100
110 8.0 18.4 55.2#
77 0.0 24.4 36.6#

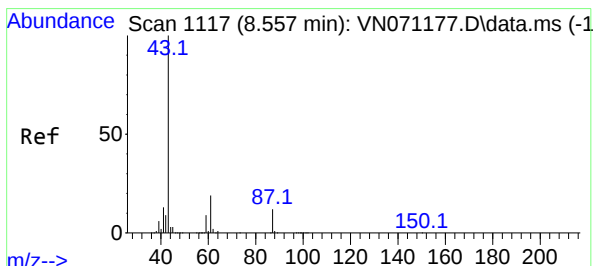
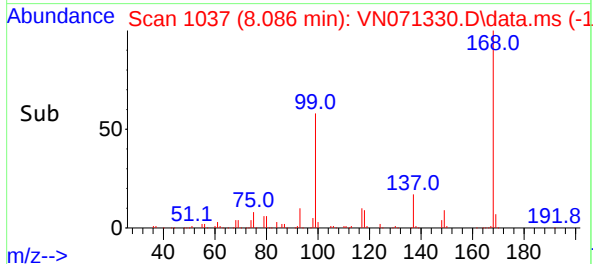
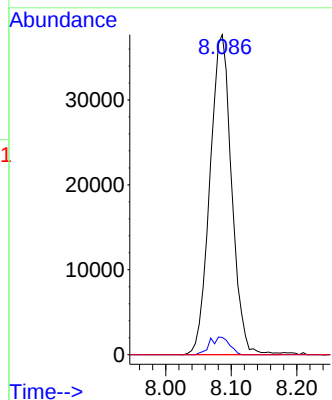
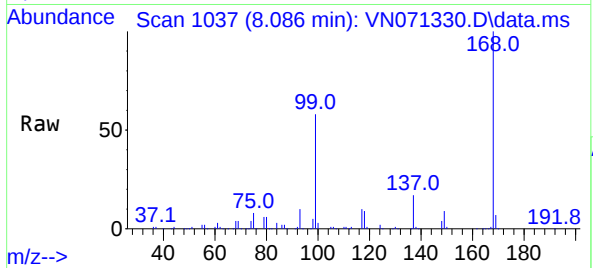




#38
Carbon Tetrachloride
Concen: 6.116 ug/l
RT: 8.086 min Scan# 1132
Delta R.T. -0.118 min
Lab File: VN071330.D
Acq: 16 Mar 2022 19:13

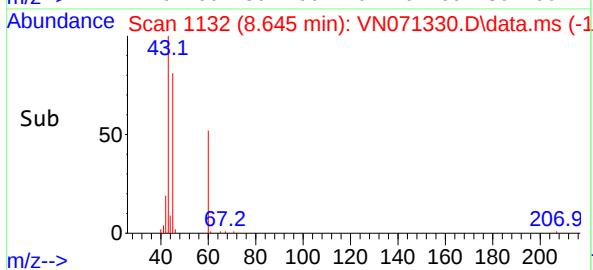
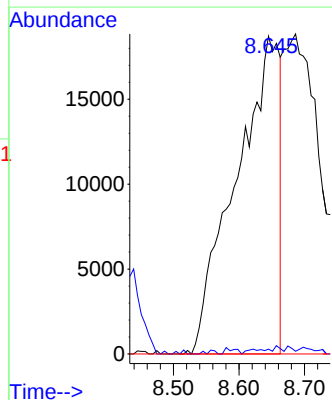
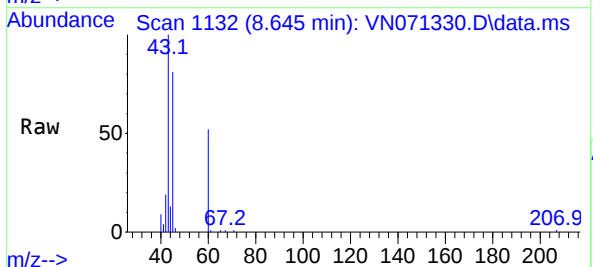
Instrument :
MSVOA_N
ClientSampleId :
MP-3

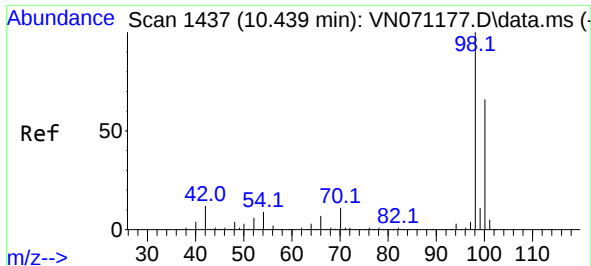
Tgt Ion:117 Resp: 86606
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.873 ug/l
RT: 8.645 min Scan# 1132
Delta R.T. 0.088 min
Lab File: VN071330.D
Acq: 16 Mar 2022 19:13

Tgt Ion: 43 Resp: 86576
Ion Ratio Lower Upper
43 100
61 0.6 20.4 30.6#
87 0.0 11.2 16.8#

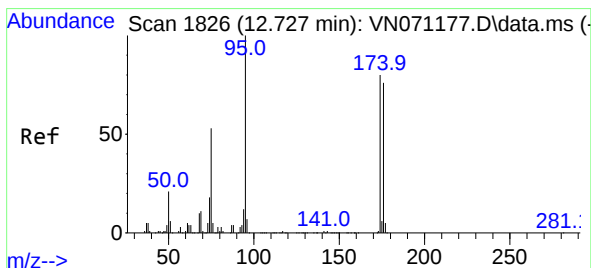
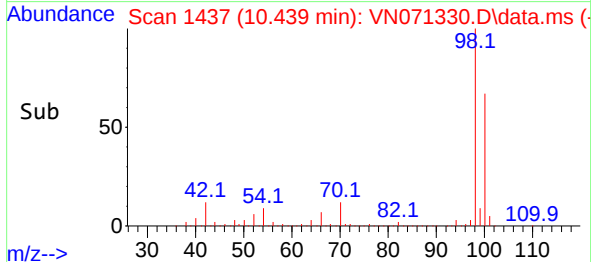
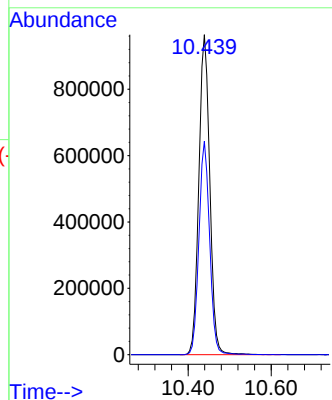
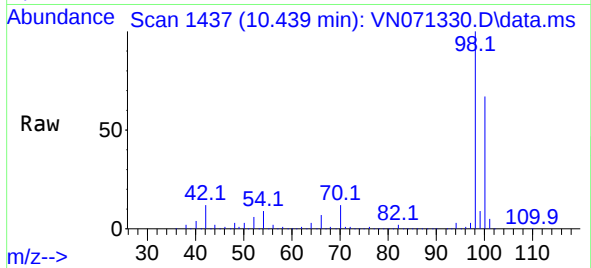




#50
Toluene-d8
Concen: 47.914 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071330.D
Acq: 16 Mar 2022 19:13

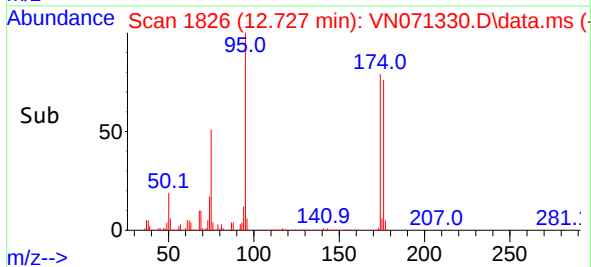
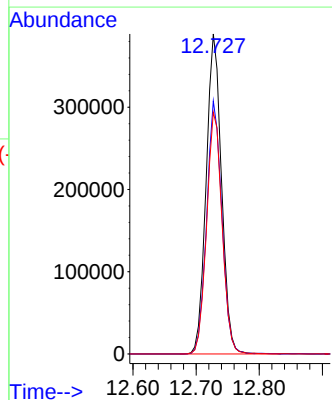
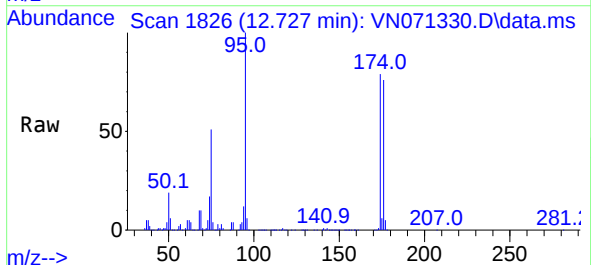
Instrument :
MSVOA_N
ClientSampleId :
MP-3

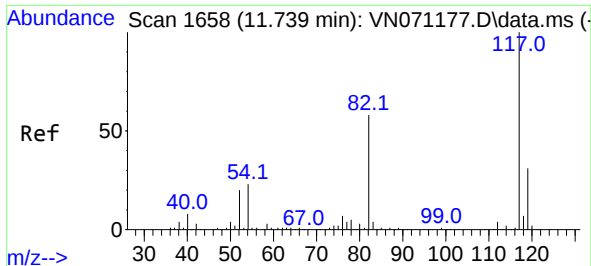
Tgt Ion: 98 Resp: 1762748
Ion Ratio Lower Upper
98 100
100 65.3 50.4 75.6



#62
4-Bromofluorobenzene
Concen: 52.648 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071330.D
Acq: 16 Mar 2022 19:13

Tgt Ion: 95 Resp: 655892
Ion Ratio Lower Upper
95 100
174 78.6 0.0 187.2
176 76.1 0.0 181.4

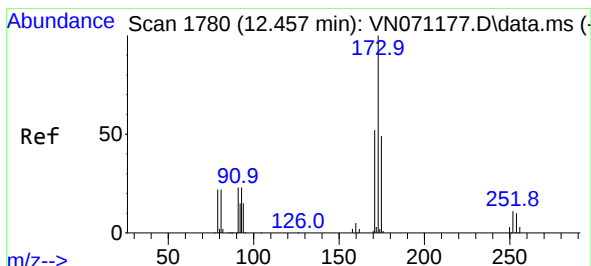
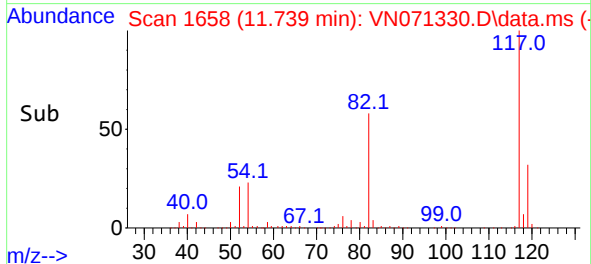
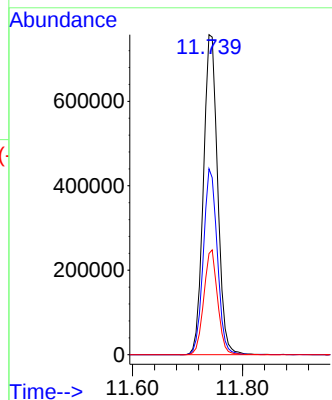
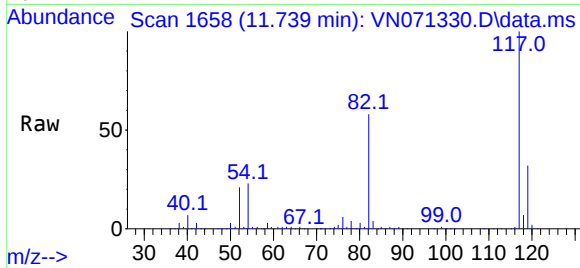




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071330.D
Acq: 16 Mar 2022 19:13

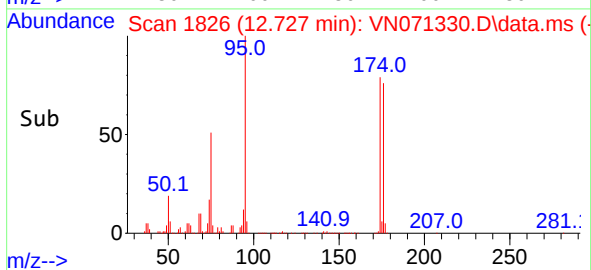
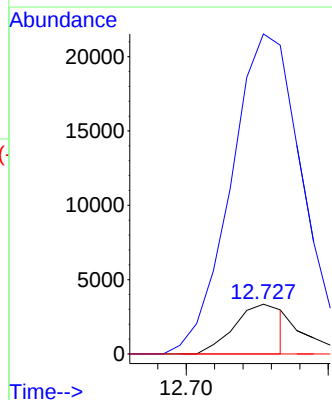
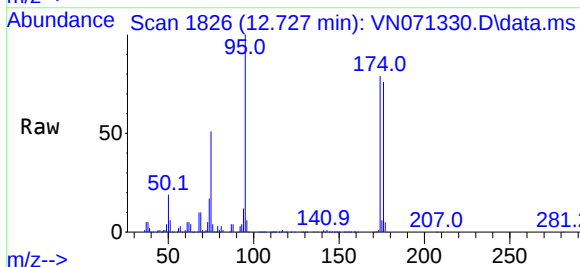
Instrument :
MSVOA_N
ClientSampleId :
MP-3

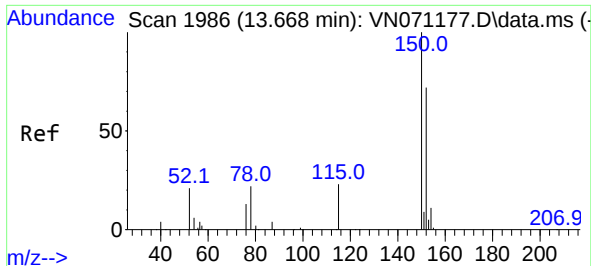
Tgt Ion:117 Resp: 1358895
Ion Ratio Lower Upper
117 100
82 58.1 42.4 63.6
119 31.6 25.4 38.2



#71
Bromoform
Concen: 0.493 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071330.D
Acq: 16 Mar 2022 19:13

Tgt Ion:173 Resp: 4009
Ion Ratio Lower Upper
173 100
175 706.0 24.2 72.6#
254 0.0 0.0 0.0

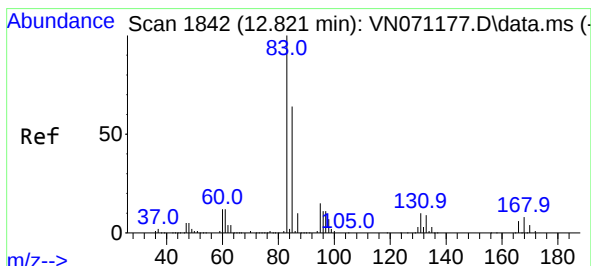
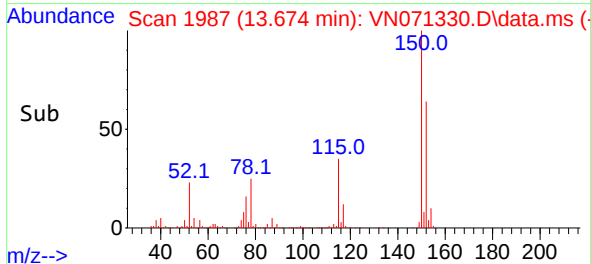
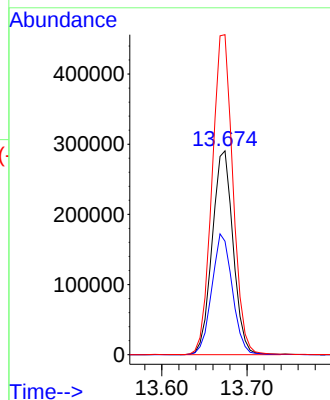
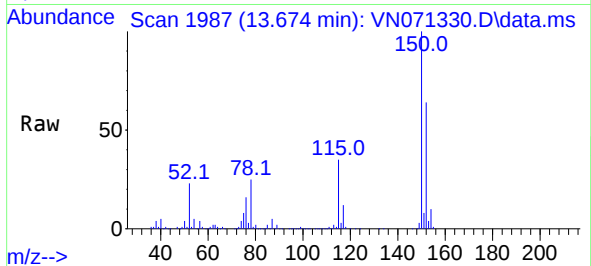




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN071330.D
Acq: 16 Mar 2022 19:13

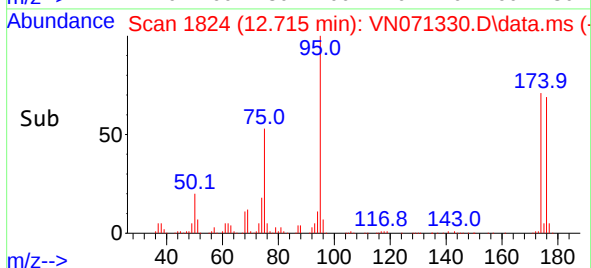
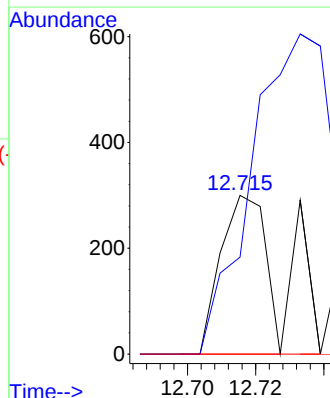
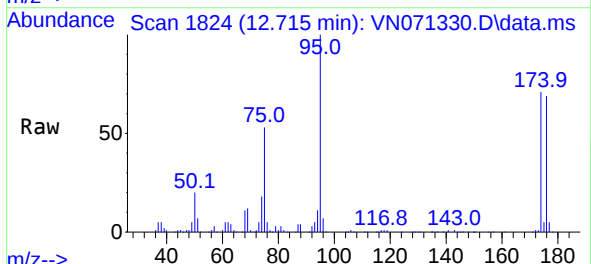
Instrument :
MSVOA_N
ClientSampleId :
MP-3

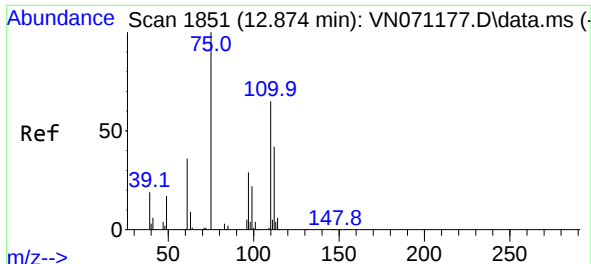
Tgt Ion:152 Resp: 496020
Ion Ratio Lower Upper
152 100
115 58.4 27.5 82.5
150 156.9 0.0 344.4



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.715 min Scan# 1824
Delta R.T. -0.106 min
Lab File: VN071330.D
Acq: 16 Mar 2022 19:13

Tgt Ion: 83 Resp: 272
Ion Ratio Lower Upper
83 100
131 363.6 5.5 16.5#
85 0.0 32.4 97.2#

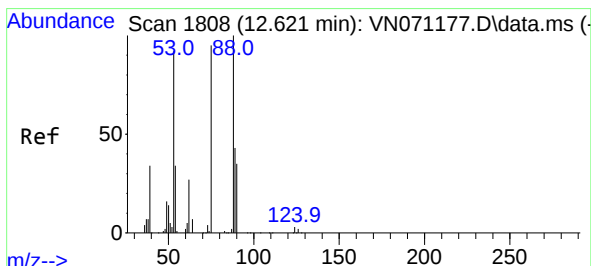
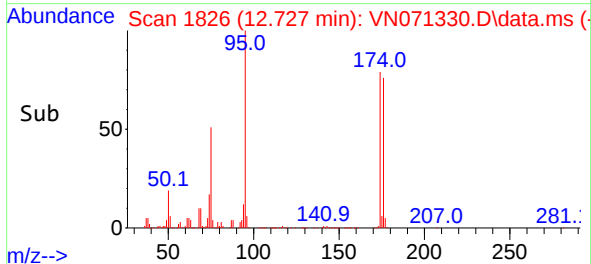
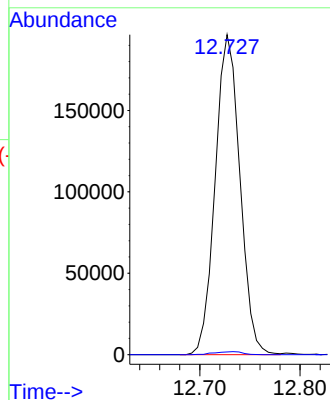
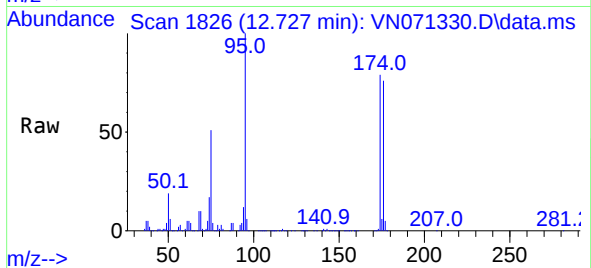




#76
1,2,3-Trichloropropane
Concen: 26.610 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071330.D
Acq: 16 Mar 2022 19:13

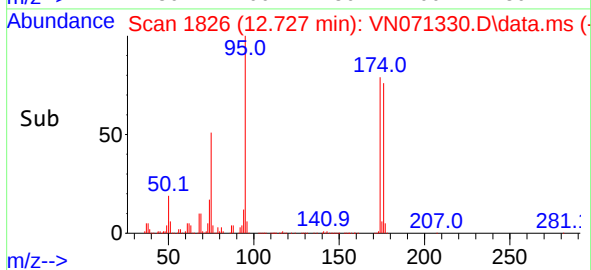
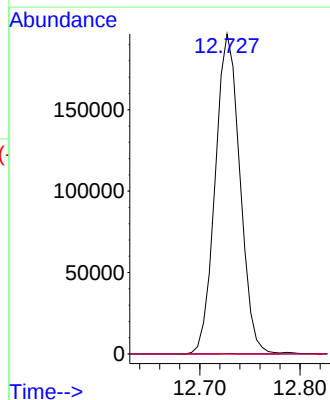
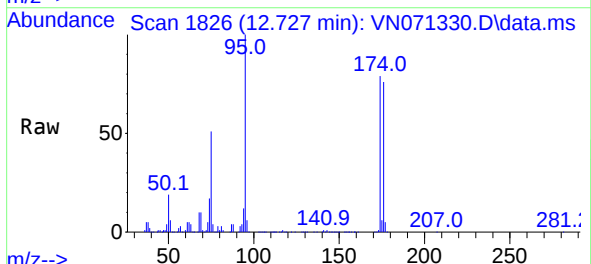
Instrument :
MSVOA_N
ClientSampleId :
MP-3

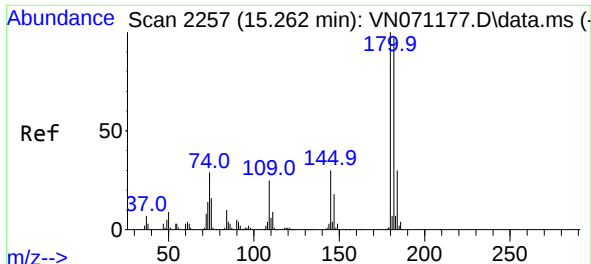
Tgt Ion: 75 Resp: 335772
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.176 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071330.D
Acq: 16 Mar 2022 19:13

Tgt Ion: 75 Resp: 335772
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

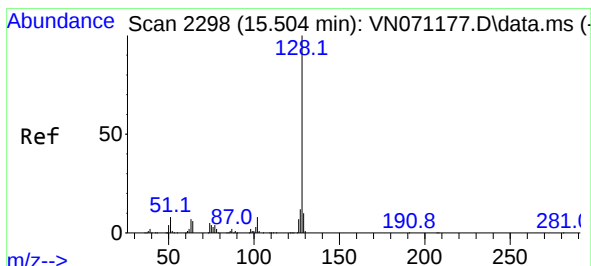
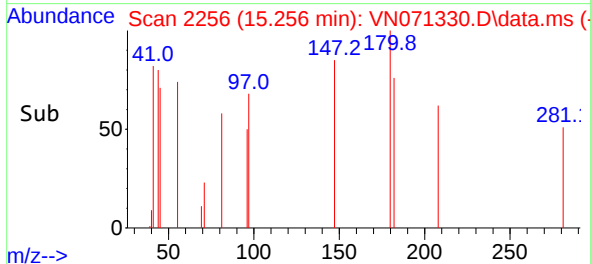
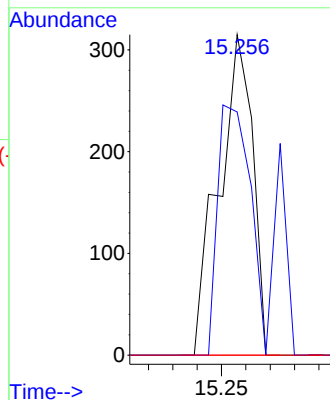
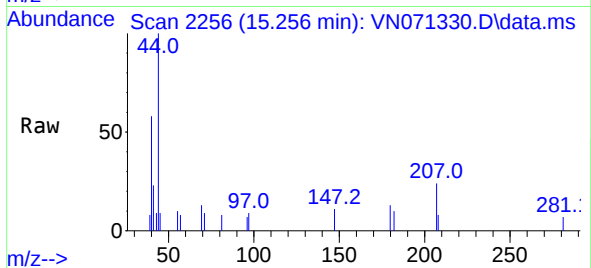




#93
1,2,4-Trichlorobenzene
Concen: 3.024 ug/l
RT: 15.256 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN071330.D
Acq: 16 Mar 2022 19:13

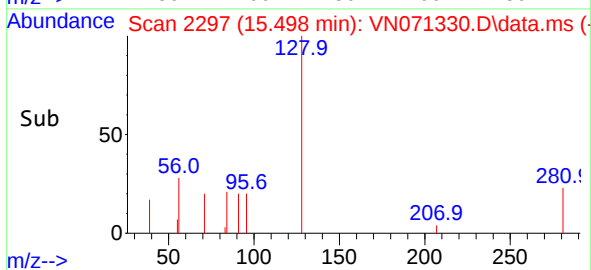
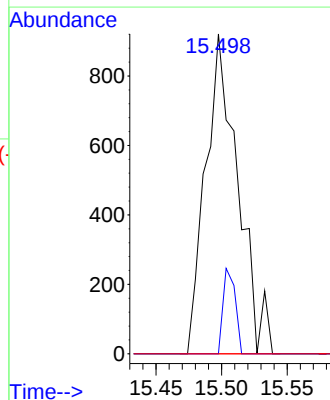
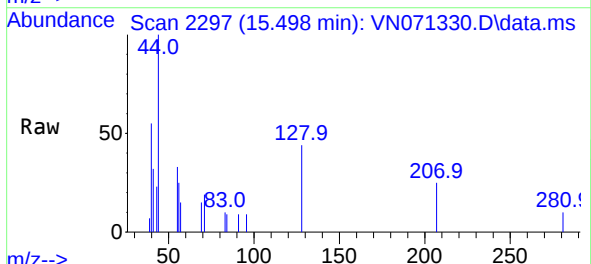
Instrument :
MSVOA_N
ClientSampleId :
MP-3

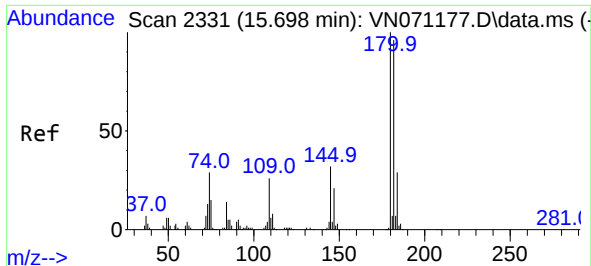
Tgt Ion:180 Resp: 304
Ion Ratio Lower Upper
180 100
182 75.3 48.3 144.9
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 5.130 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN071330.D
Acq: 16 Mar 2022 19:13

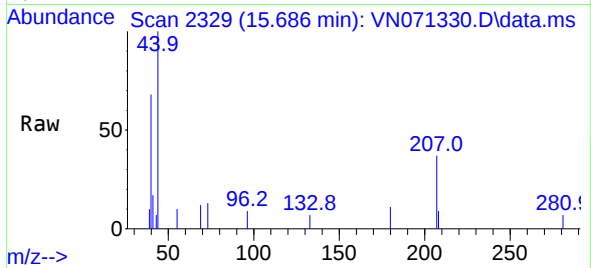
Tgt Ion:128 Resp: 1576
Ion Ratio Lower Upper
128 100
127 9.9 10.5 15.7#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.743 ug/l
 RT: 15.686 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN071330.D
 Acq: 16 Mar 2022 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 MP-3



Tgt Ion:	180	Resp:	92
Ion	Ratio	Lower	Upper
180	100		
182	327.2	47.4	142.2#
145	0.0	15.0	45.1#

