

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041122\
 Data File : VN071936.D
 Acq On : 11 Apr 2022 15:16
 Operator : JC\MD
 Sample : N2336-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 12 08:40:04 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)

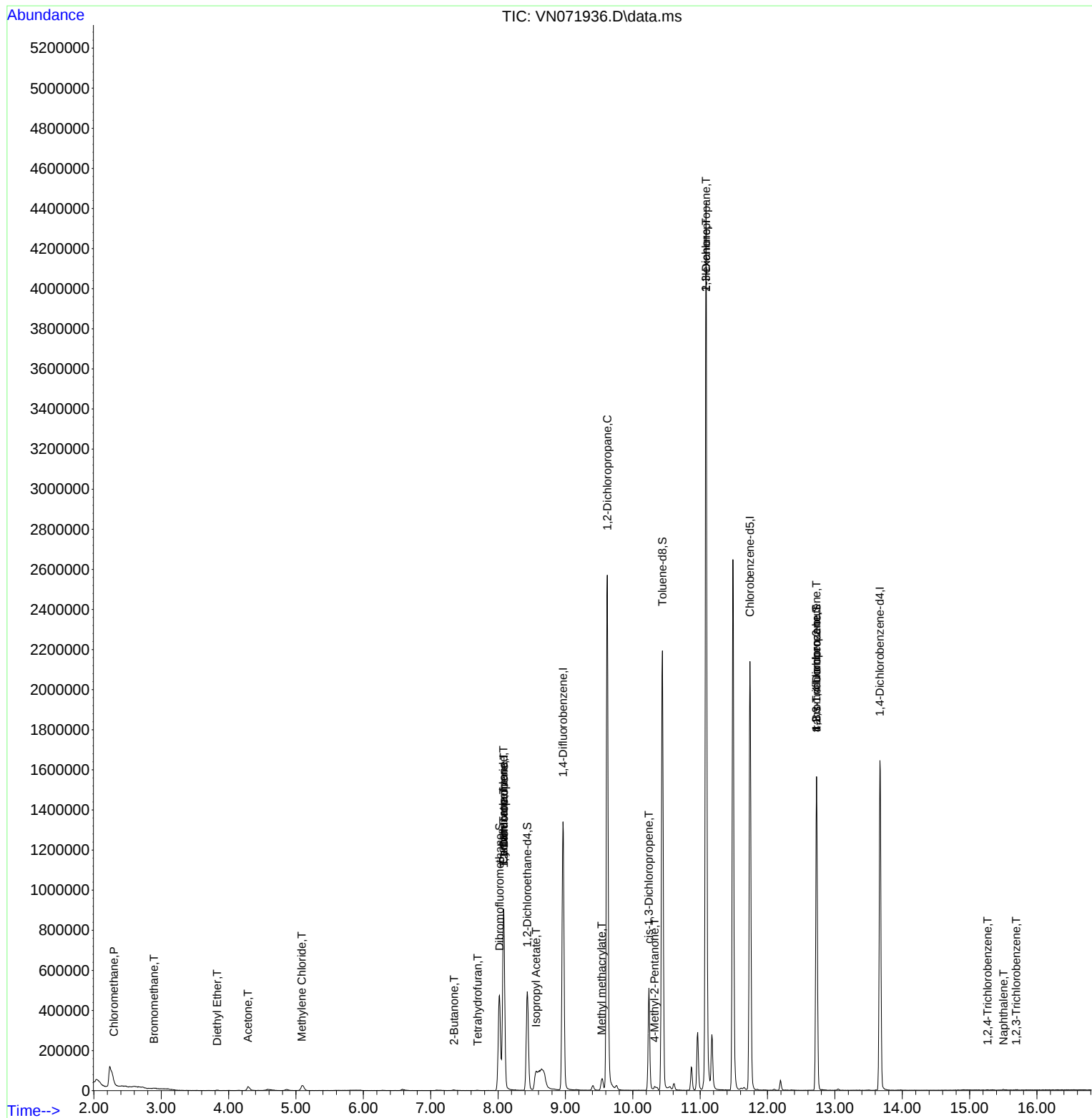
Internal Standards						
1) Pentafluorobenzene	8.080	168	752468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1274386	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1337799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	499978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	407565	47.445	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.880%
35) Dibromofluoromethane	8.022	113	356809	47.581	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.160%
50) Toluene-d8	10.439	98	1630994	53.167	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.340%
62) 4-Bromofluorobenzene	12.727	95	559947	56.439	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	112.880%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2583	0.341	ug/l #	72
5) Bromomethane	2.893	94	1559	0.288	ug/l	87
8) Diethyl Ether	3.828	74	1379	0.308	ug/l	56
16) Acetone	4.287	43	35423	9.649	ug/l	94
18) Methyl Acetate	4.857	43	12052	Below Cal		95
20) Methylene Chloride	5.087	84	22644	2.926	ug/l	95
25) 2-Butanone	7.345	43	5622	1.062	ug/l	97
29) Tetrahydrofuran	7.698	42	1105	0.322	ug/l #	75
31) Cyclohexane	8.080	56	12094	1.035	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	49637	4.740	ug/l #	49
38) Carbon Tetrachloride	8.080	117	67808	6.607	ug/l #	15
43) Isopropyl Acetate	8.563	43	117725	6.175	ug/l #	75
45) 1,2-Dichloropropane	9.622	63	3648	0.441	ug/l #	44
48) Methyl methacrylate	9.539	41	15880	2.008	ug/l #	10
49) 1,4-Dioxane	9.622	88	518	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.322	43	7987	0.729	ug/l #	73
54) cis-1,3-Dichloropropene	10.239	75	101957	7.971	ug/l #	58
57) 1,3-Dichloropropane	11.086	76	50509	3.510	ug/l #	42
59) 2-Hexanone	11.086	43	627643	81.329	ug/l #	48
76) 1,2,3-Trichloropropane	12.727	75	265775	22.947	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	265775	71.110	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.268	180	695	2.169	ug/l #	74
95) Naphthalene	15.504	128	3385	3.940	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.692	180	724	2.504	ug/l #	54

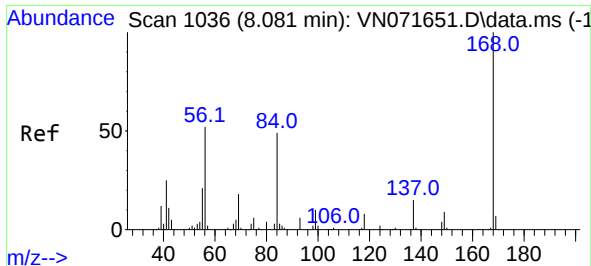
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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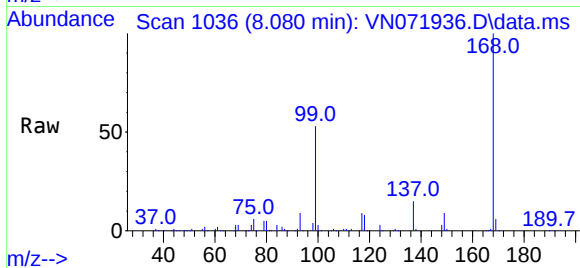
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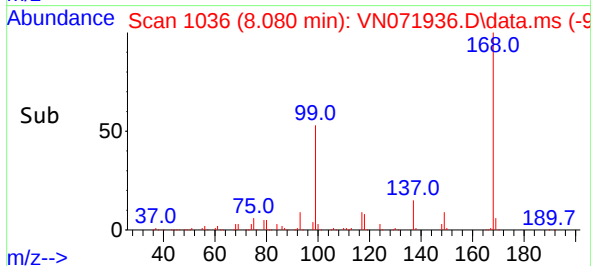
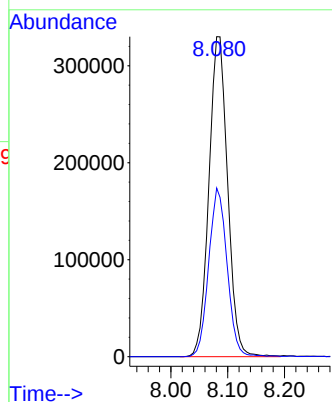


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN071936.D
Acq: 11 Apr 2022 15:16

Instrument :
MSVOA_N
ClientSampleId :

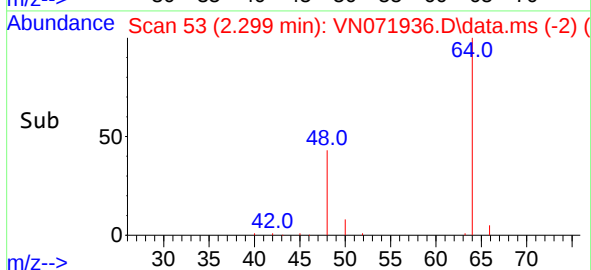
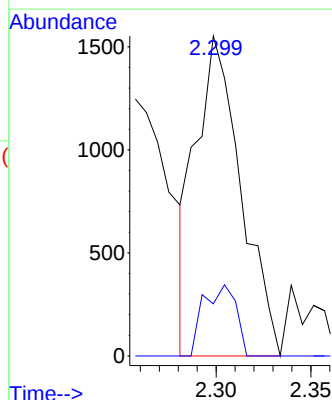
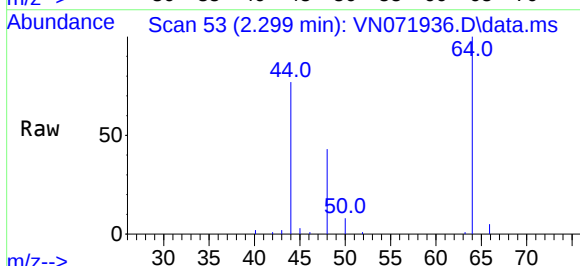


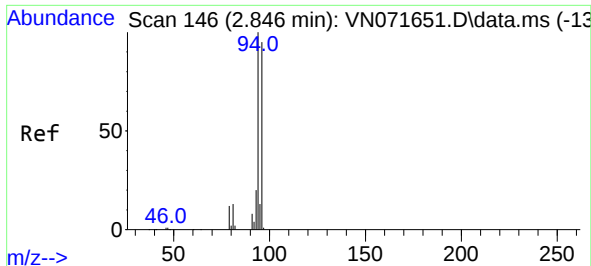
Tgt Ion:168 Resp: 752468
Ion Ratio Lower Upper
168 100
99 52.7 42.3 63.5



#3
Chloromethane
Concen: 0.341 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071936.D
Acq: 11 Apr 2022 15:16

Tgt Ion: 50 Resp: 2583
Ion Ratio Lower Upper
50 100
52 16.3 25.7 38.5#

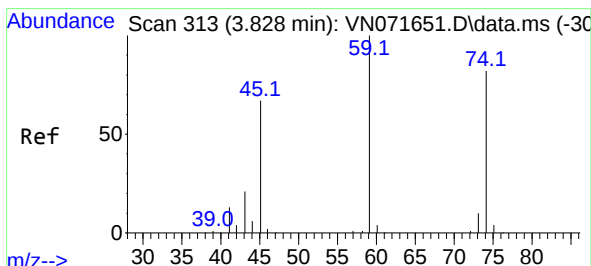
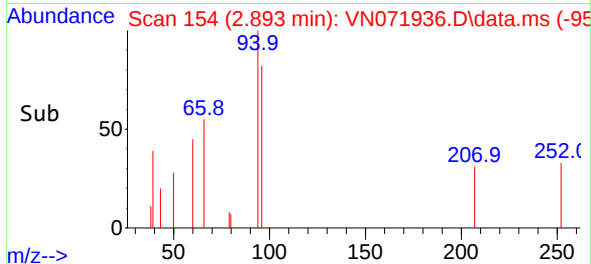
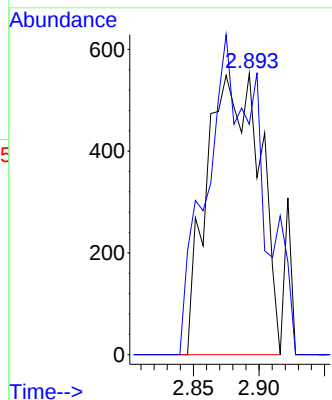
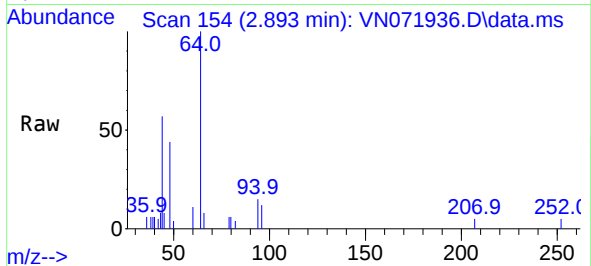




#5
Bromomethane
Concen: 0.288 ug/l
RT: 2.893 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN071936.D
Acq: 11 Apr 2022 15:16

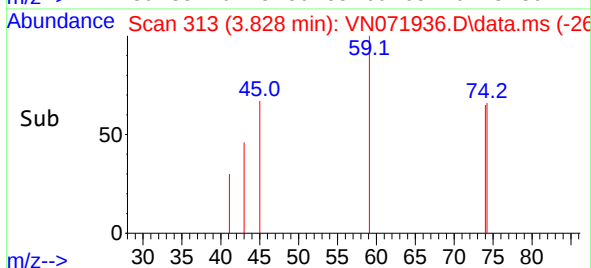
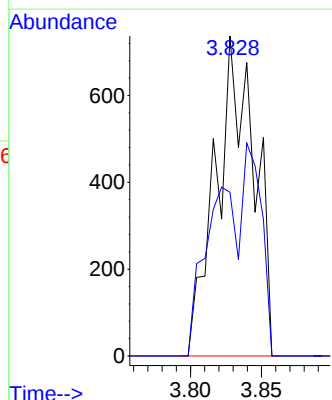
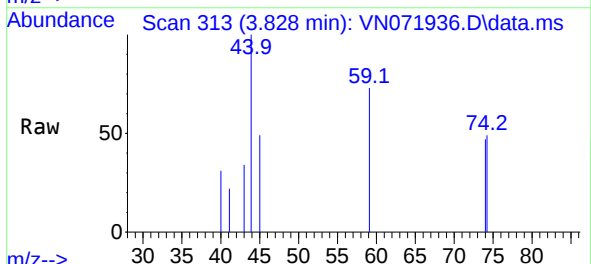
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 94 Resp: 1559
Ion Ratio Lower Upper
94 100
96 81.9 76.0 114.0



#8
Diethyl Ether
Concen: 0.308 ug/l
RT: 3.828 min Scan# 313
Delta R.T. -0.000 min
Lab File: VN071936.D
Acq: 11 Apr 2022 15:16

Tgt Ion: 74 Resp: 1379
Ion Ratio Lower Upper
74 100
45 45.1 42.9 128.5

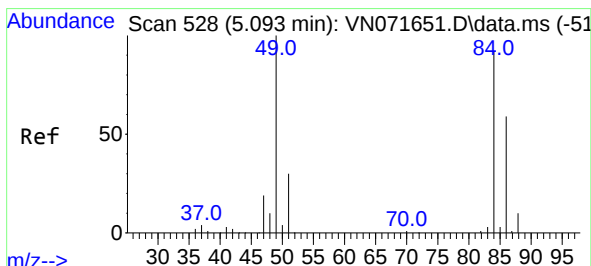
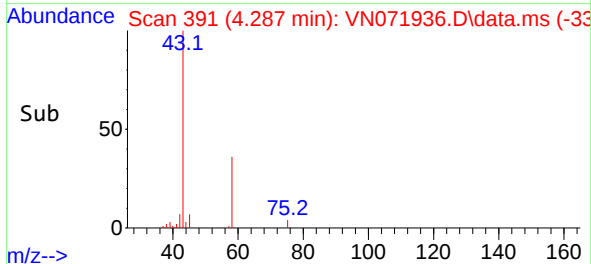
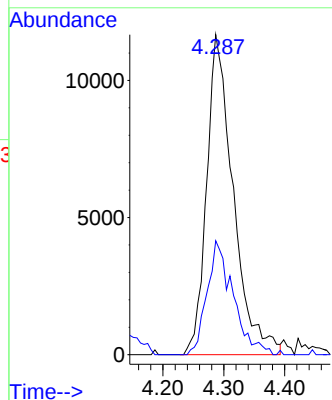
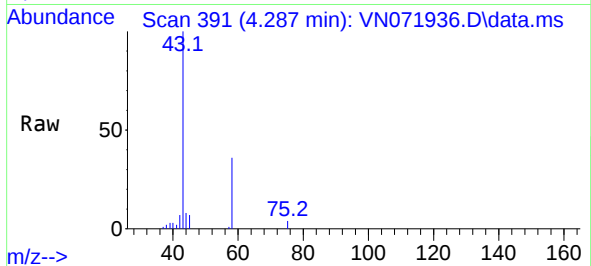




#16
Acetone
Concen: 9.649 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071936.D
Acq: 11 Apr 2022 15:16

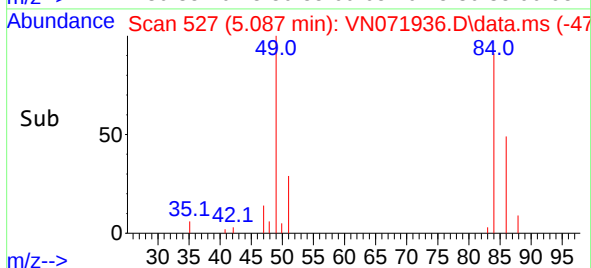
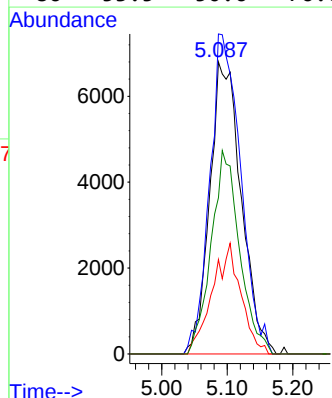
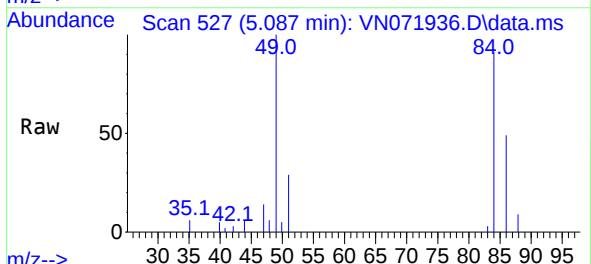
Instrument :
MSVOA_N
ClientSampleId :

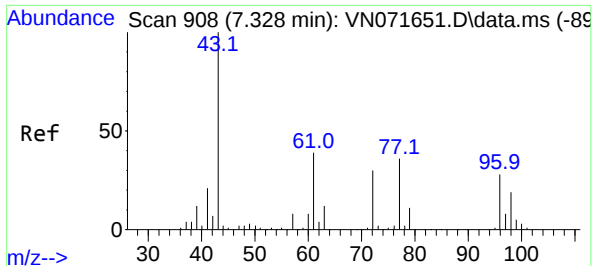
Tgt Ion: 43 Resp: 35423
Ion Ratio Lower Upper
43 100
58 35.6 26.0 39.0



#20
Methylene Chloride
Concen: 2.926 ug/l
RT: 5.087 min Scan# 527
Delta R.T. -0.006 min
Lab File: VN071936.D
Acq: 11 Apr 2022 15:16

Tgt Ion: 84 Resp: 22644
Ion Ratio Lower Upper
84 100
49 109.6 88.3 132.5
51 32.3 28.2 42.2
86 53.5 50.6 76.0





#25

2-Butanone

Concen: 1.062 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.017 min

Lab File: VN071936.D

Acq: 11 Apr 2022 15:16

Instrument :

MSVOA_N

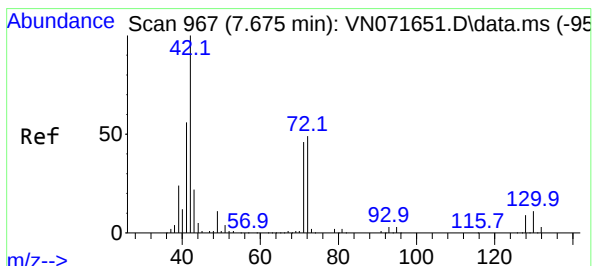
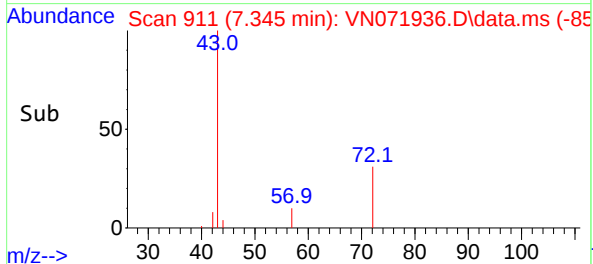
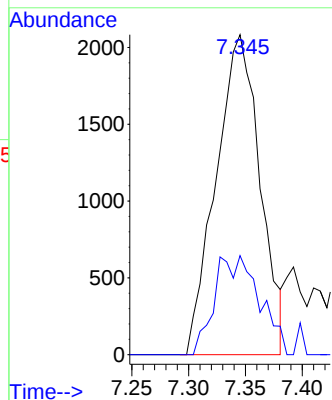
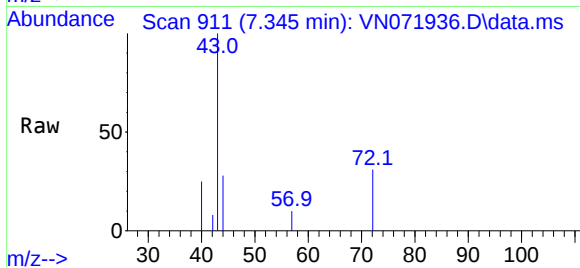
ClientSampleId :

Tgt Ion: 43 Resp: 5622

Ion Ratio Lower Upper

43 100

72 31.0 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.322 ug/l

RT: 7.698 min Scan# 971

Delta R.T. 0.023 min

Lab File: VN071936.D

Acq: 11 Apr 2022 15:16

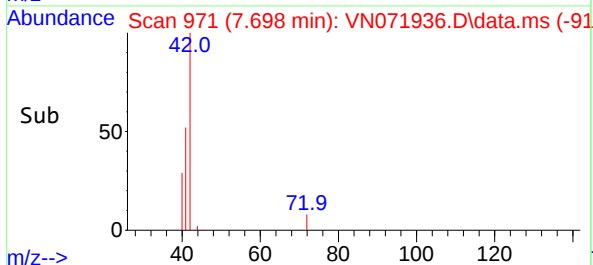
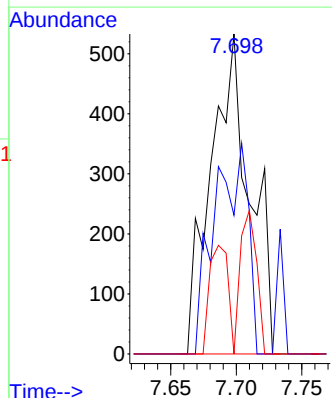
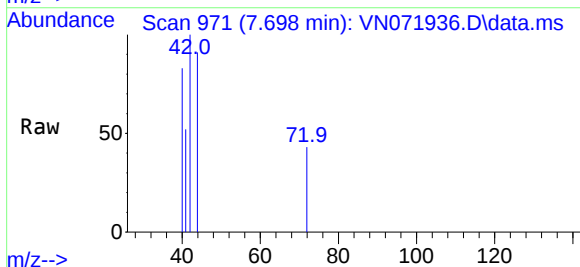
Tgt Ion: 42 Resp: 1105

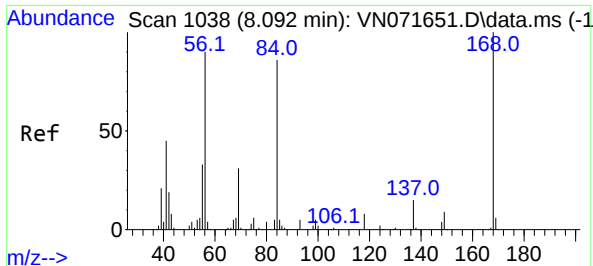
Ion Ratio Lower Upper

42 100

72 56.6 39.7 59.5

71 18.8 36.6 55.0#





#31

Cyclohexane

Concen: 1.035 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.012 min

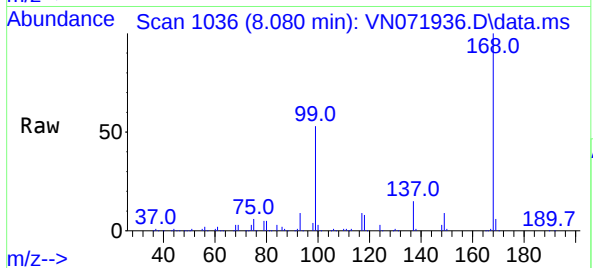
Lab File: VN071936.D

Acq: 11 Apr 2022 15:16

Instrument :

MSVOA_N

ClientSampleId :



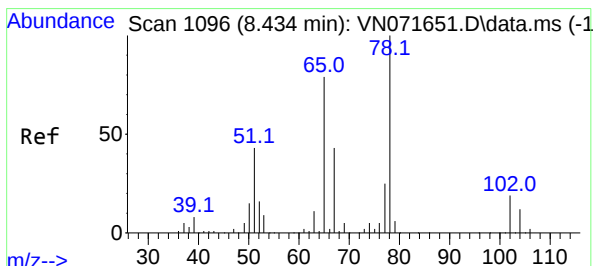
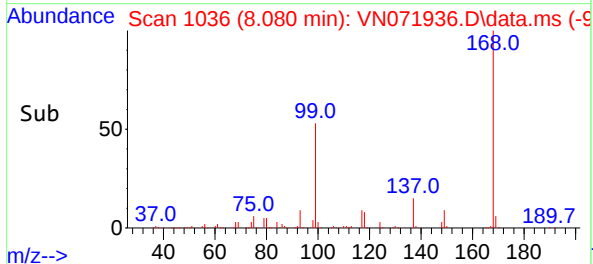
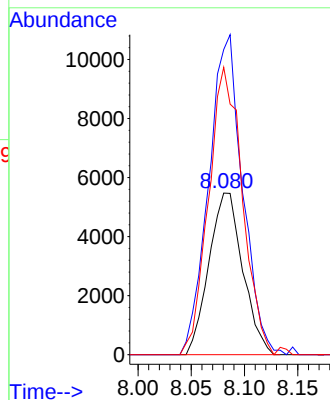
Tgt Ion: 56 Resp: 12094

Ion Ratio Lower Upper

56 100

69 188.8 27.8 41.8#

84 177.8 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 47.445 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN071936.D

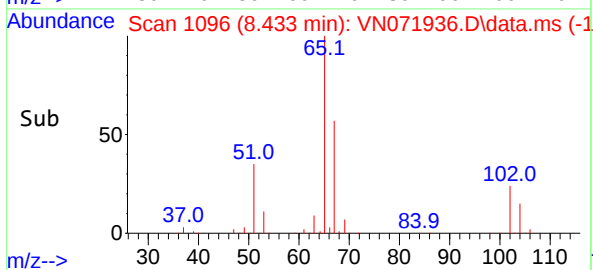
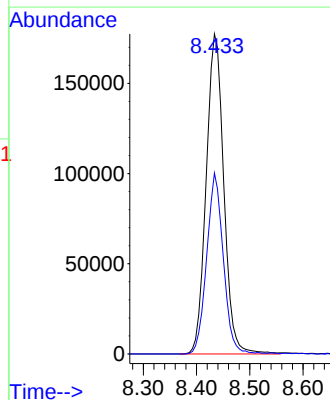
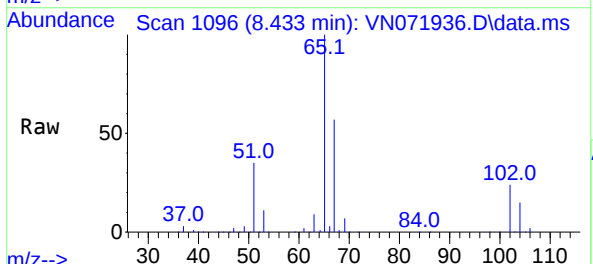
Acq: 11 Apr 2022 15:16

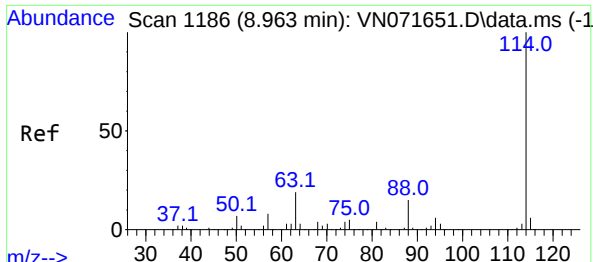
Tgt Ion: 65 Resp: 407565

Ion Ratio Lower Upper

65 100

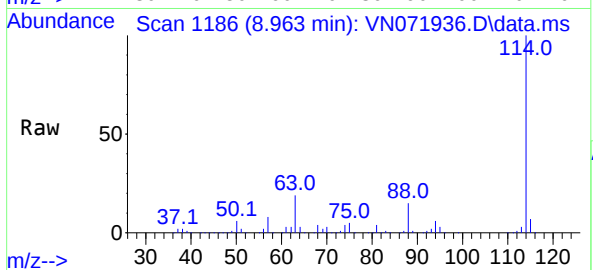
67 53.3 0.0 104.8



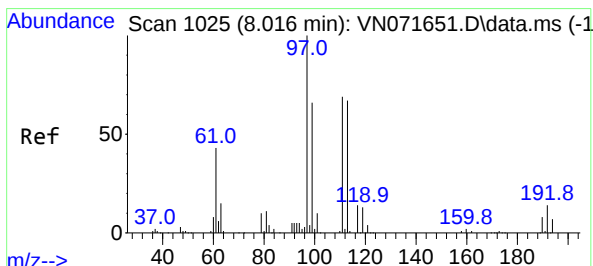
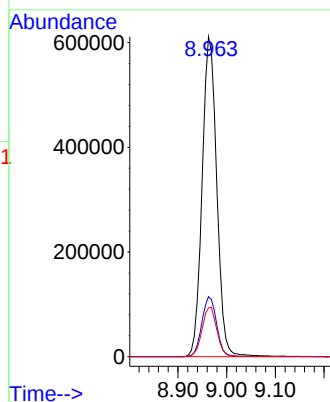
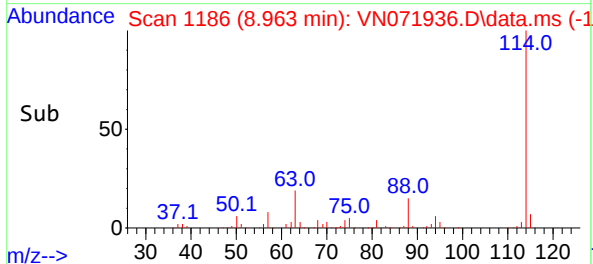


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071936.D
Acq: 11 Apr 2022 15:16

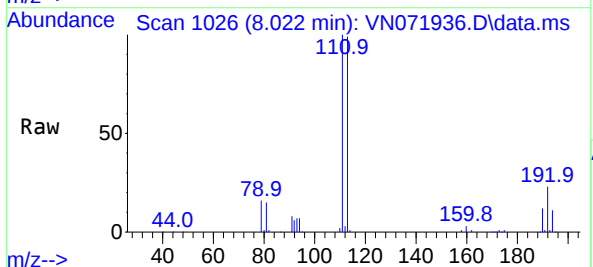
Instrument :
MSVOA_N
ClientSampleId :



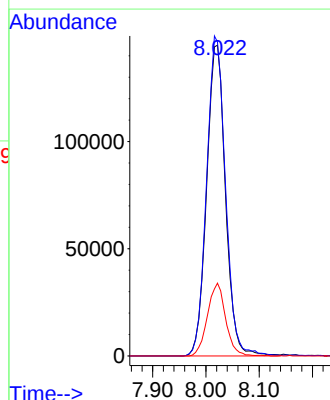
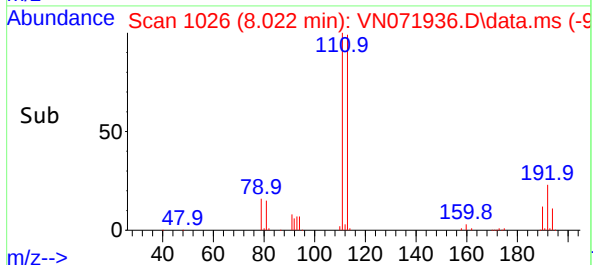
Tgt Ion:114 Resp: 1274386
Ion Ratio Lower Upper
114 100
63 18.8 0.0 40.0
88 15.2 0.0 32.6

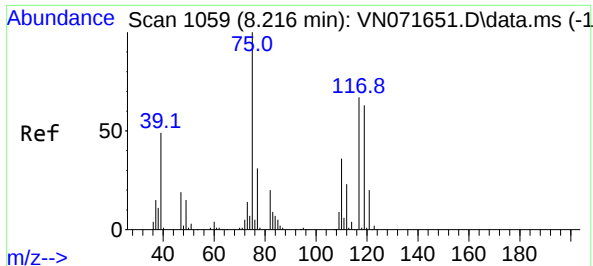


#35
Dibromofluoromethane
Concen: 47.581 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071936.D
Acq: 11 Apr 2022 15:16



Tgt Ion:113 Resp: 356809
Ion Ratio Lower Upper
113 100
111 103.1 81.4 122.0
192 22.7 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.740 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

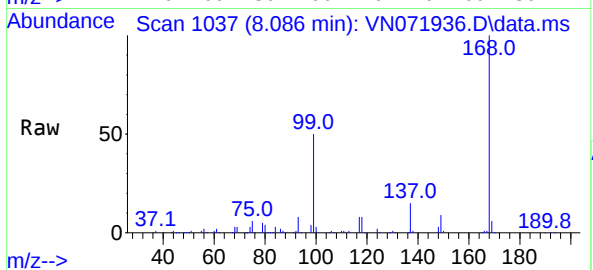
Lab File: VN071936.D

Acq: 11 Apr 2022 15:16

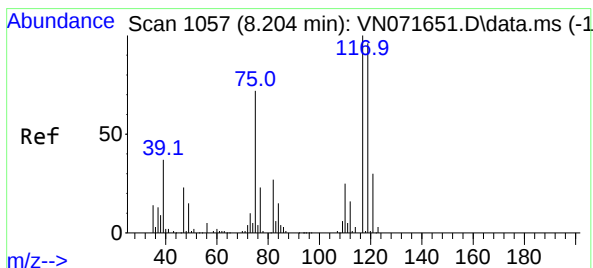
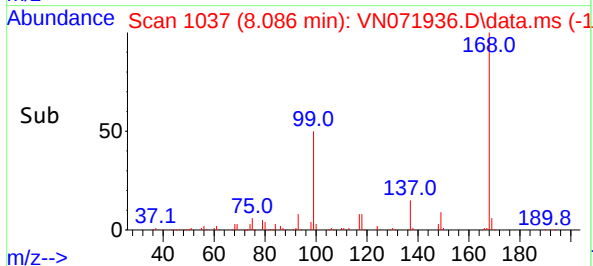
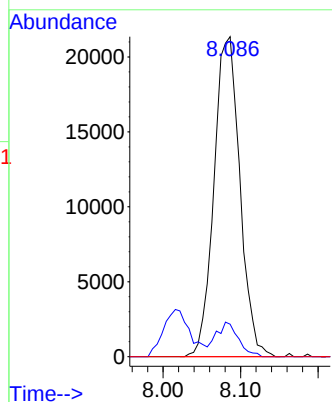
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	49637
Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.3	54.8#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 6.607 ug/l

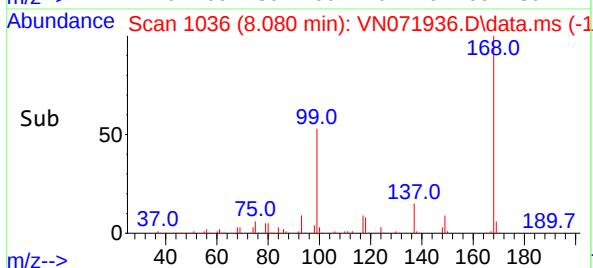
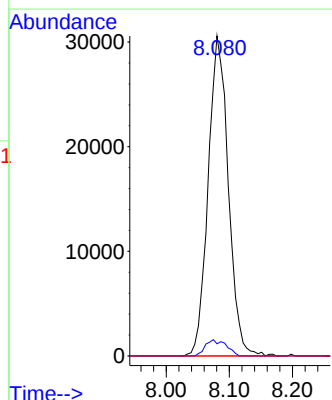
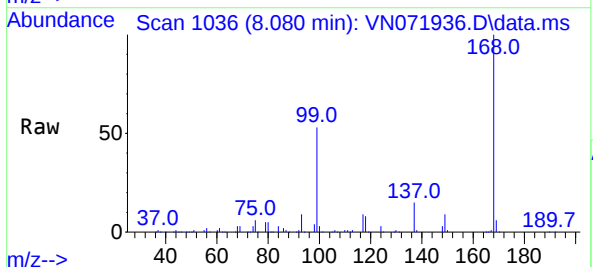
RT: 8.080 min Scan# 1036

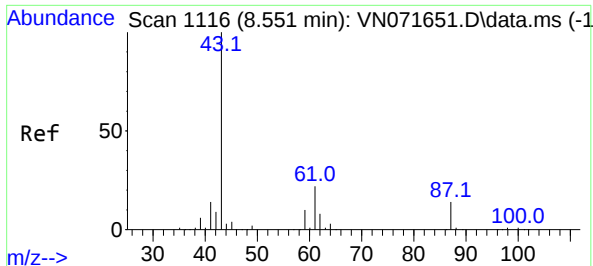
Delta R.T. -0.124 min

Lab File: VN071936.D

Acq: 11 Apr 2022 15:16

Tgt Ion:	117	Resp:	67808
Ion	Ratio	Lower	Upper
117	100		
119	3.8	75.8	113.8#
121	0.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 6.175 ug/l

RT: 8.563 min Scan# 1116

Delta R.T. 0.012 min

Lab File: VN071936.D

Acq: 11 Apr 2022 15:16

Instrument :

MSVOA_N

ClientSampleId :

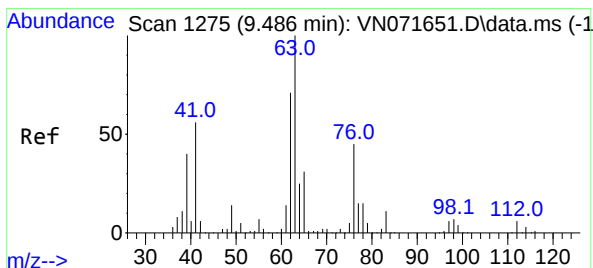
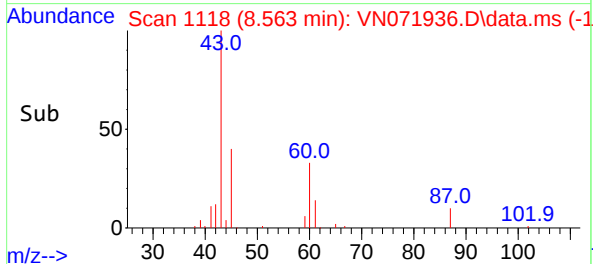
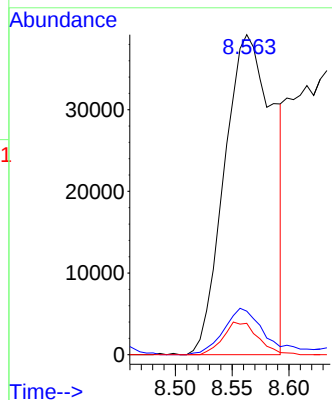
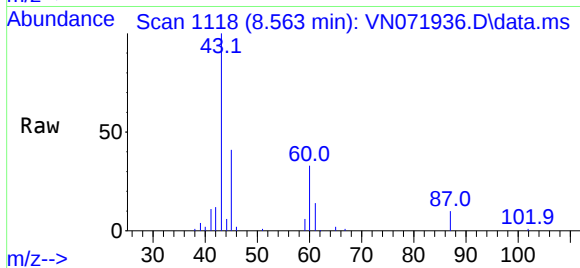
Tgt Ion: 43 Resp: 117725

Ion Ratio Lower Upper

43 100

61 12.4 21.9 32.9#

87 7.2 12.0 18.0#



#45

1,2-Dichloropropane

Concen: 0.441 ug/l

RT: 9.622 min Scan# 1298

Delta R.T. 0.136 min

Lab File: VN071936.D

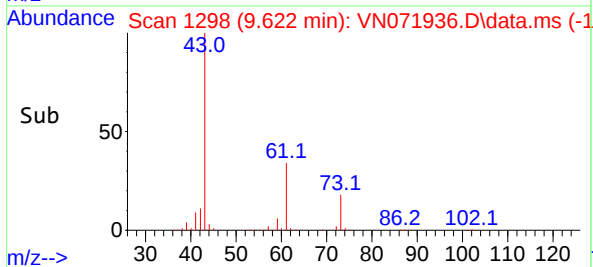
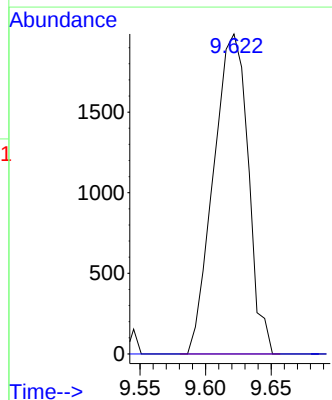
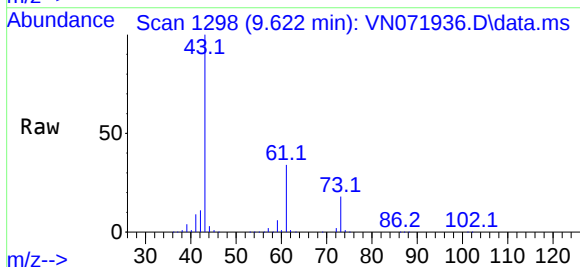
Acq: 11 Apr 2022 15:16

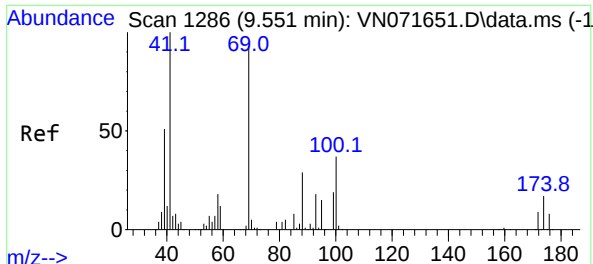
Tgt Ion: 63 Resp: 3648

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 2.008 ug/l

RT: 9.539 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN071936.D

Acq: 11 Apr 2022 15:16

Instrument :

MSVOA_N

ClientSampleId :

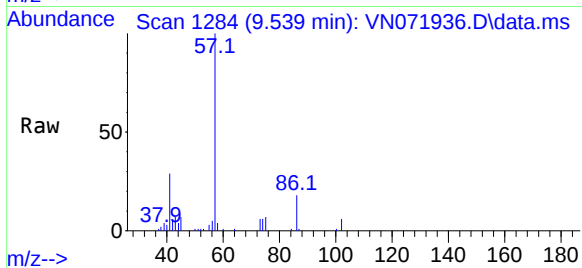
Tgt Ion: 41 Resp: 15880

Ion Ratio Lower Upper

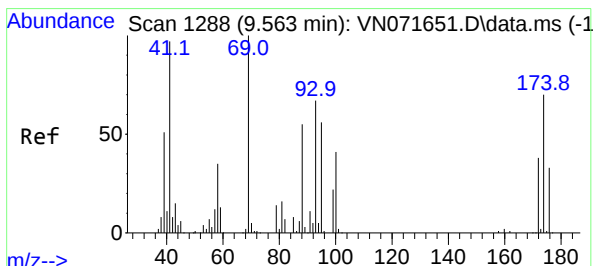
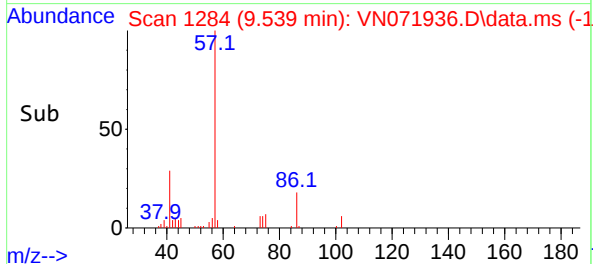
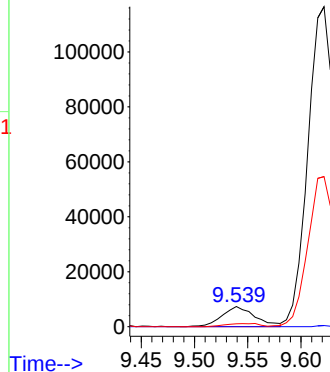
41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#



Abundance



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.622 min Scan# 1298

Delta R.T. 0.059 min

Lab File: VN071936.D

Acq: 11 Apr 2022 15:16

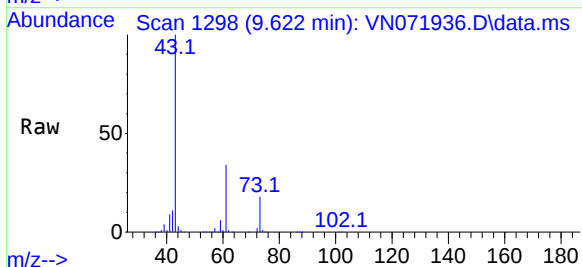
Tgt Ion: 88 Resp: 518

Ion Ratio Lower Upper

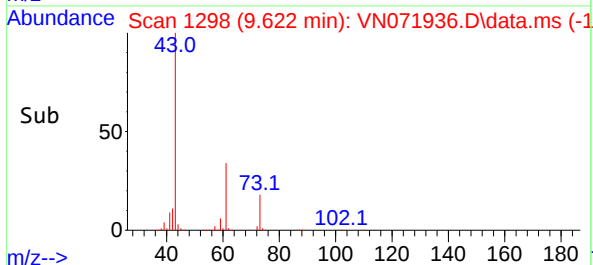
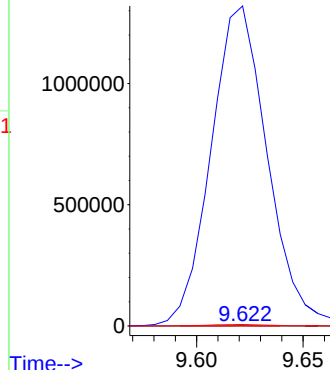
88 100

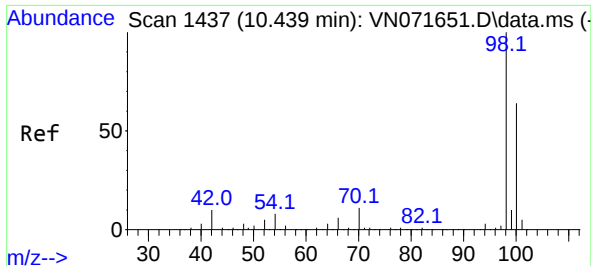
43 479955.6 20.2 30.4#

58 2269.9 54.2 81.4#



Abundance

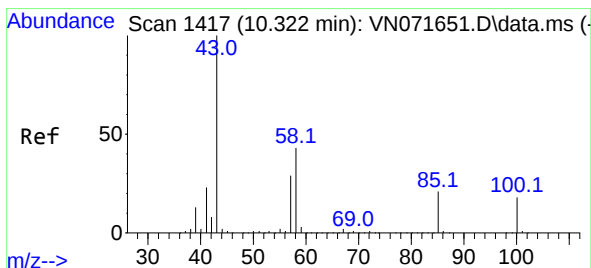
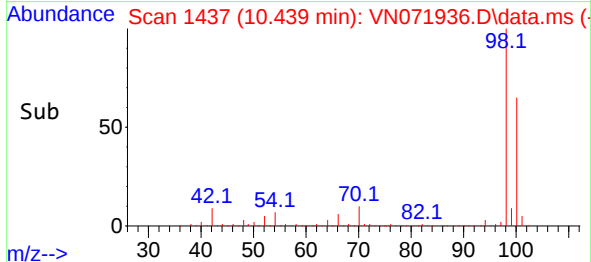
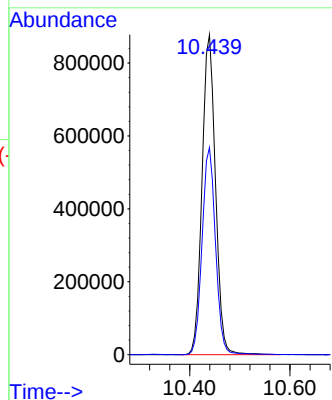
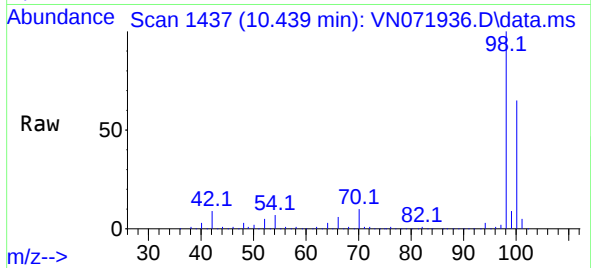




#50
Toluene-d8
Concen: 53.167 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071936.D
Acq: 11 Apr 2022 15:16

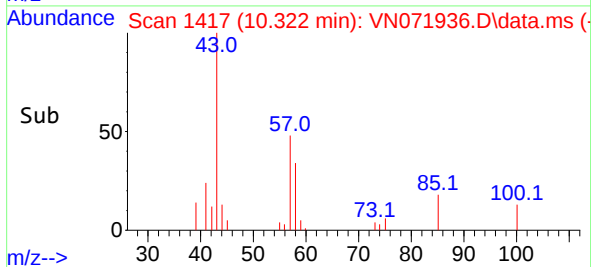
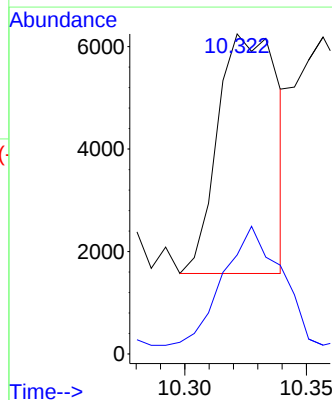
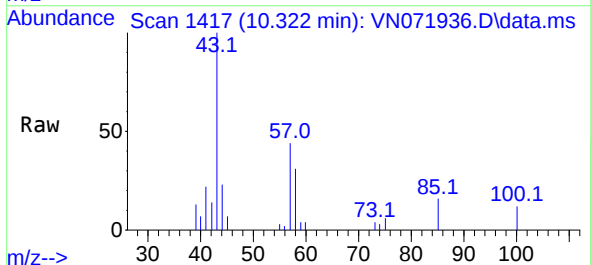
Instrument :
MSVOA_N
ClientSampleId :

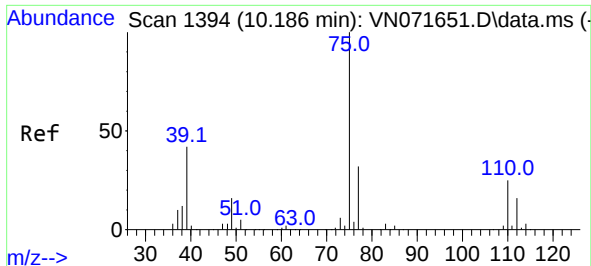
Tgt Ion: 98 Resp: 1630994
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.729 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.000 min
Lab File: VN071936.D
Acq: 11 Apr 2022 15:16

Tgt Ion: 43 Resp: 7987
Ion Ratio Lower Upper
43 100
58 59.6 34.1 51.1#

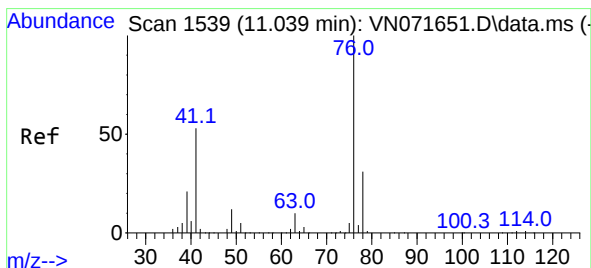
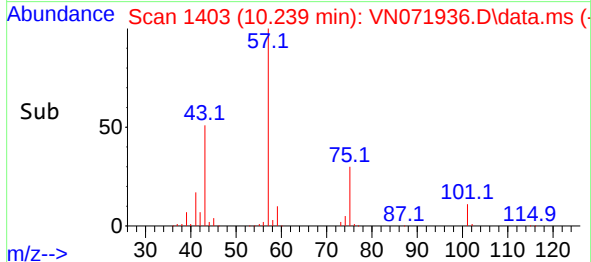
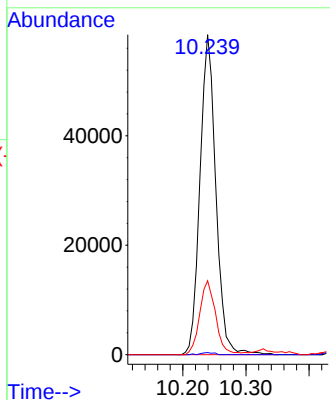
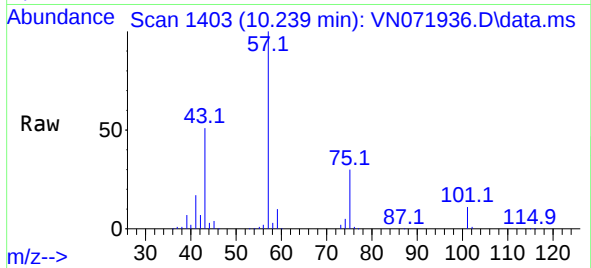




#54
cis-1,3-Dichloropropene
Concen: 7.971 ug/l
RT: 10.239 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN071936.D
Acq: 11 Apr 2022 15:16

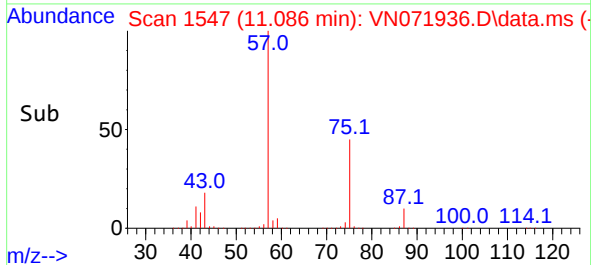
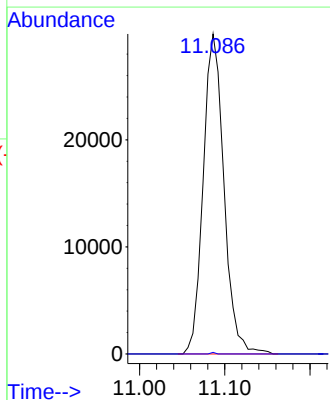
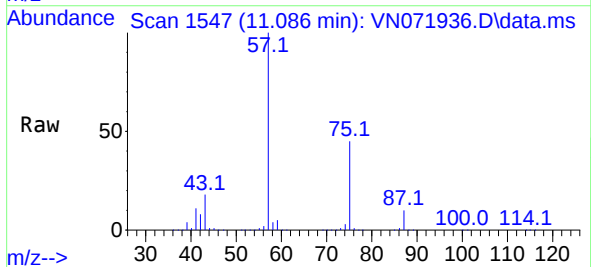
Instrument :
MSVOA_N
ClientSampleId :

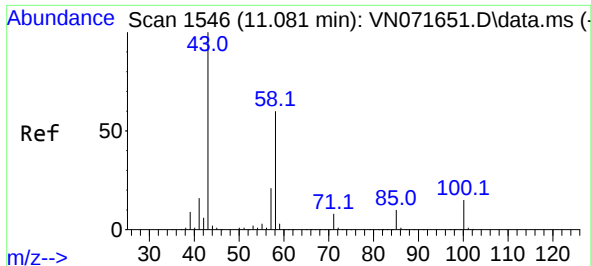
Tgt Ion: 75 Resp: 101957
Ion Ratio Lower Upper
75 100
77 0.7 25.2 37.8#
39 23.1 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 3.510 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071936.D
Acq: 11 Apr 2022 15:16

Tgt Ion: 76 Resp: 50509
Ion Ratio Lower Upper
76 100
78 0.1 26.2 39.2#

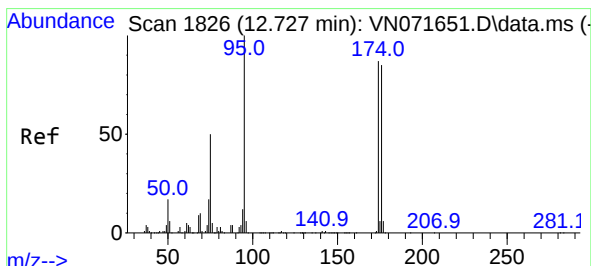
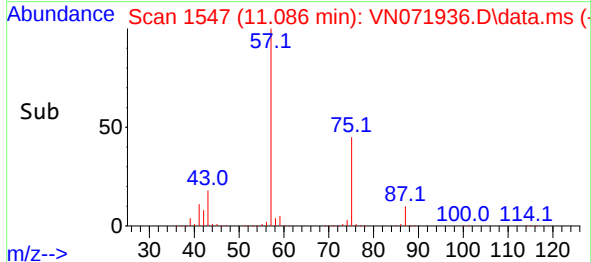
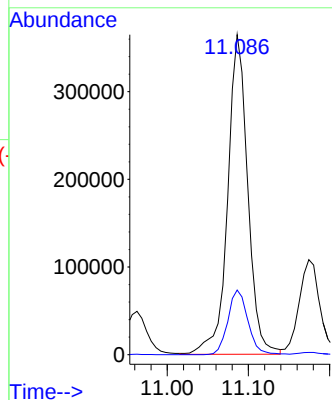
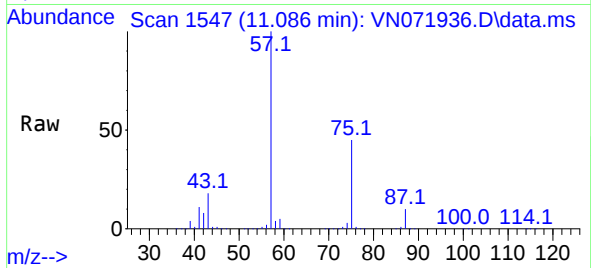




#59
2-Hexanone
Concen: 81.329 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN071936.D
Acq: 11 Apr 2022 15:16

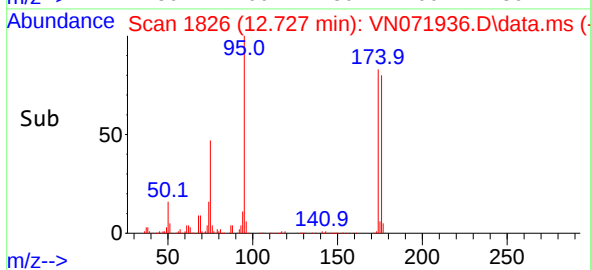
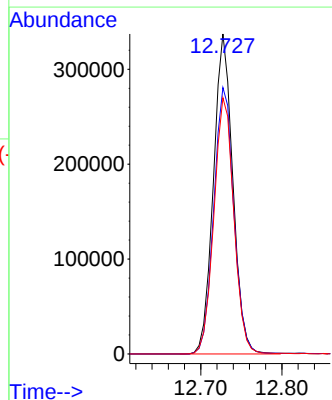
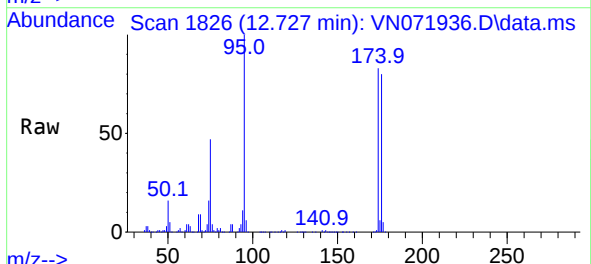
Instrument :
MSVOA_N
ClientSampleId :

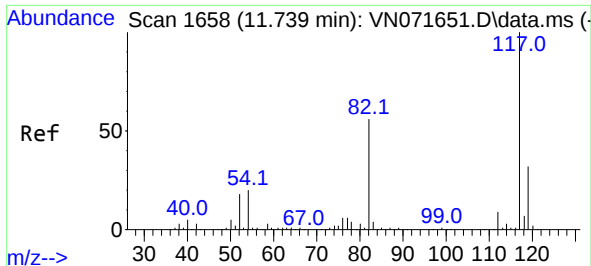
Tgt Ion: 43 Resp: 627643
Ion Ratio Lower Upper
43 100
58 20.2 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 56.439 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071936.D
Acq: 11 Apr 2022 15:16

Tgt Ion: 95 Resp: 559947
Ion Ratio Lower Upper
95 100
174 86.3 0.0 167.6
176 82.3 0.0 163.4

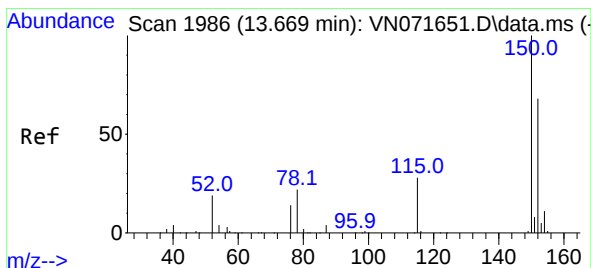
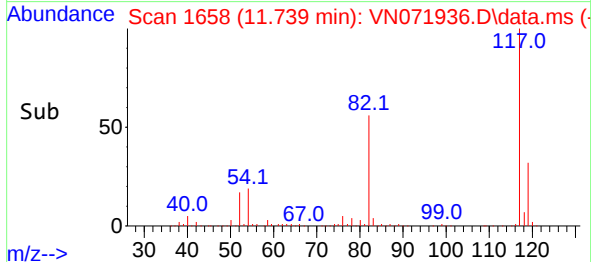
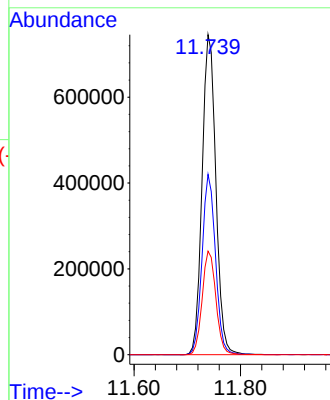
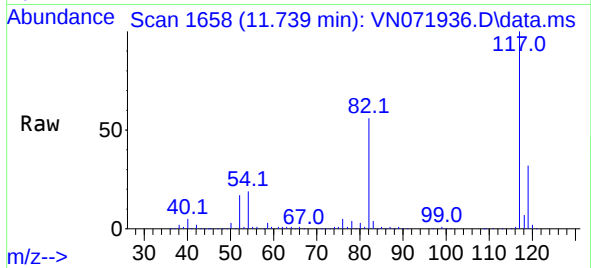




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071936.D
Acq: 11 Apr 2022 15:16

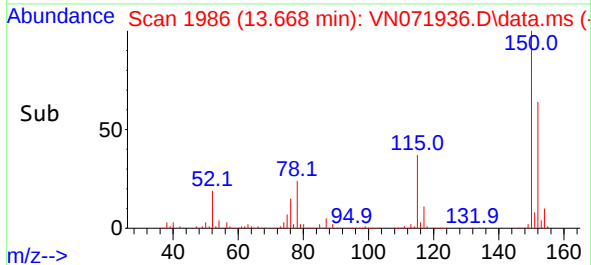
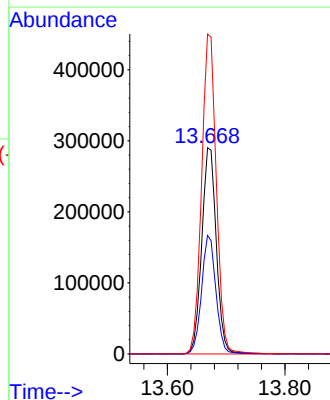
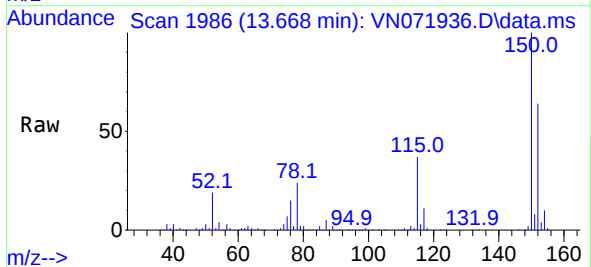
Instrument :
MSVOA_N
ClientSampleId :

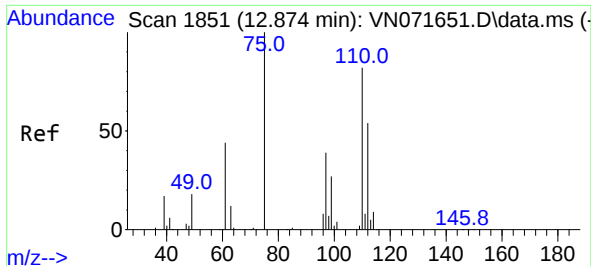
Tgt Ion:117 Resp: 1337799
Ion Ratio Lower Upper
117 100
82 56.4 44.2 66.2
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071936.D
Acq: 11 Apr 2022 15:16

Tgt Ion:152 Resp: 499978
Ion Ratio Lower Upper
152 100
115 56.5 28.9 86.7
150 156.3 0.0 356.2

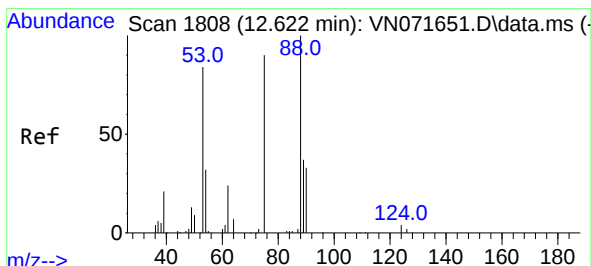
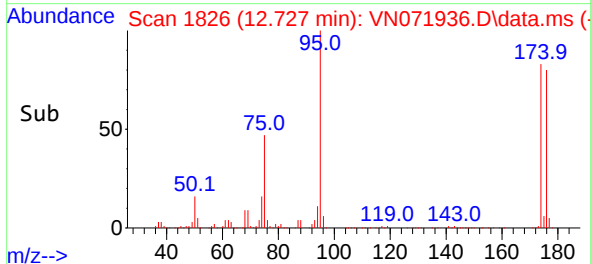
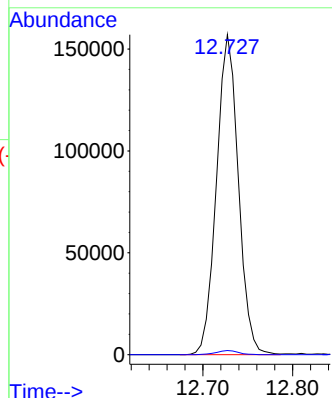
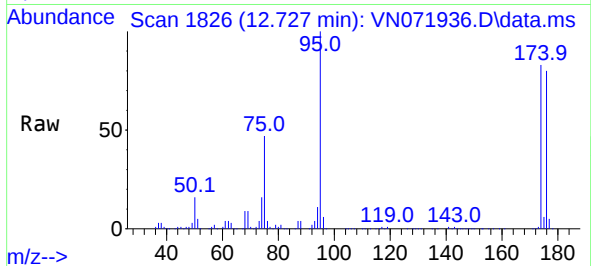




#76
1,2,3-Trichloropropane
Concen: 22.947 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071936.D
Acq: 11 Apr 2022 15:16

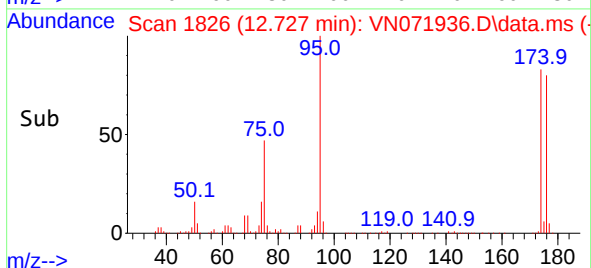
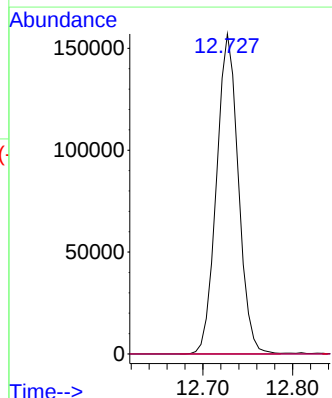
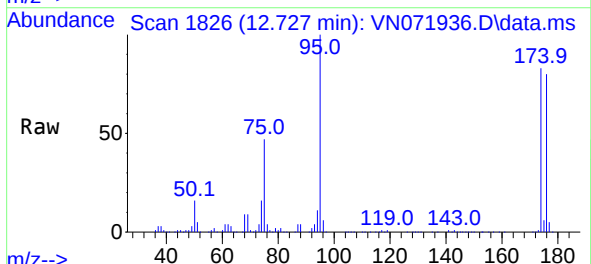
Instrument :
MSVOA_N
ClientSampleId :

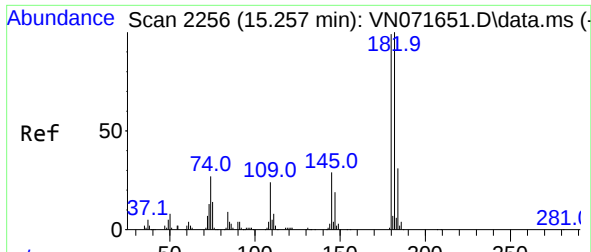
Tgt Ion: 75 Resp: 265775
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.110 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071936.D
Acq: 11 Apr 2022 15:16

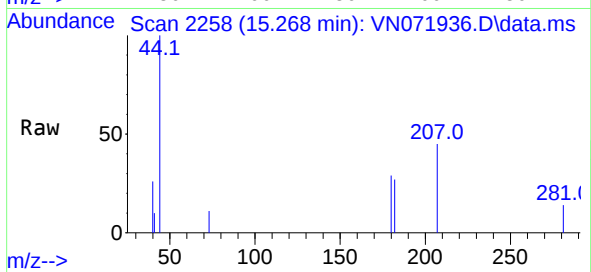
Tgt Ion: 75 Resp: 265775
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



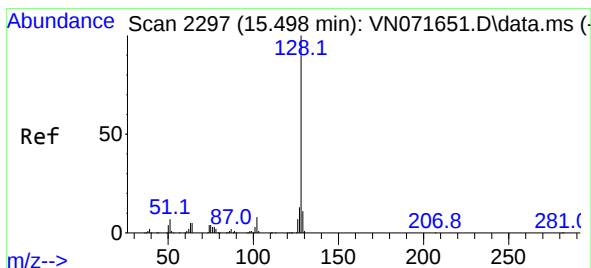
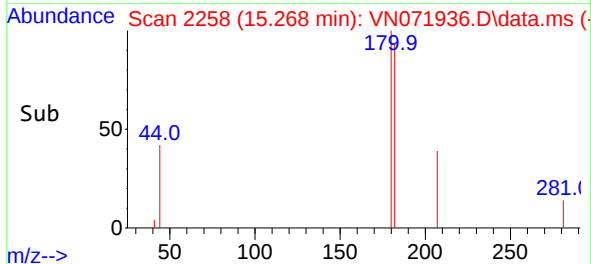
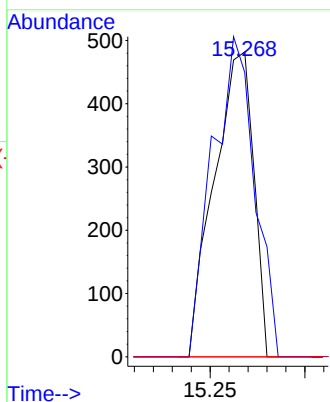


#93
1,2,4-Trichlorobenzene
Concen: 2.169 ug/l
RT: 15.268 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN071936.D
Acq: 11 Apr 2022 15:16

Instrument :
MSVOA_N
ClientSampleId :

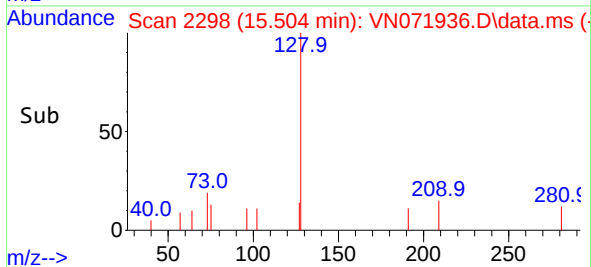
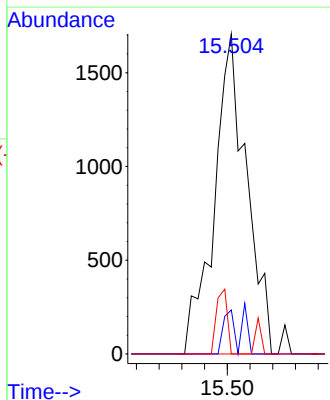
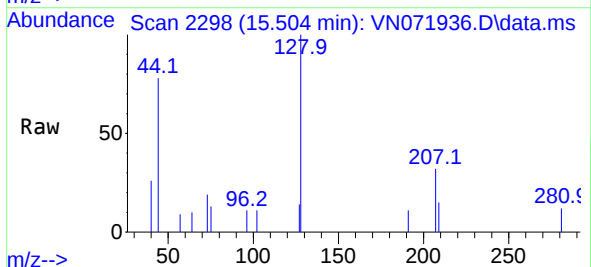


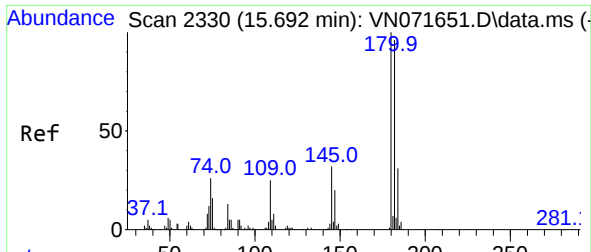
Tgt Ion:180 Resp: 695
Ion Ratio Lower Upper
180 100
182 111.9 47.5 142.5
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 3.940 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071936.D
Acq: 11 Apr 2022 15:16

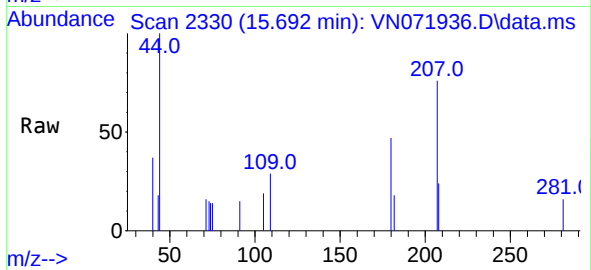
Tgt Ion:128 Resp: 3385
Ion Ratio Lower Upper
128 100
127 4.5 10.3 15.5#
129 6.7 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.504 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071936.D
 Acq: 11 Apr 2022 15:16

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	724
Ion	Ratio	Lower	Upper
180	100		
182	49.0	47.8	143.3
145	7.9	15.5	46.5#

