

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050222\
 Data File : VN072297.D
 Acq On : 02 May 2022 15:35
 Operator : JC\MD
 Sample : N2624-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 03 03:12:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

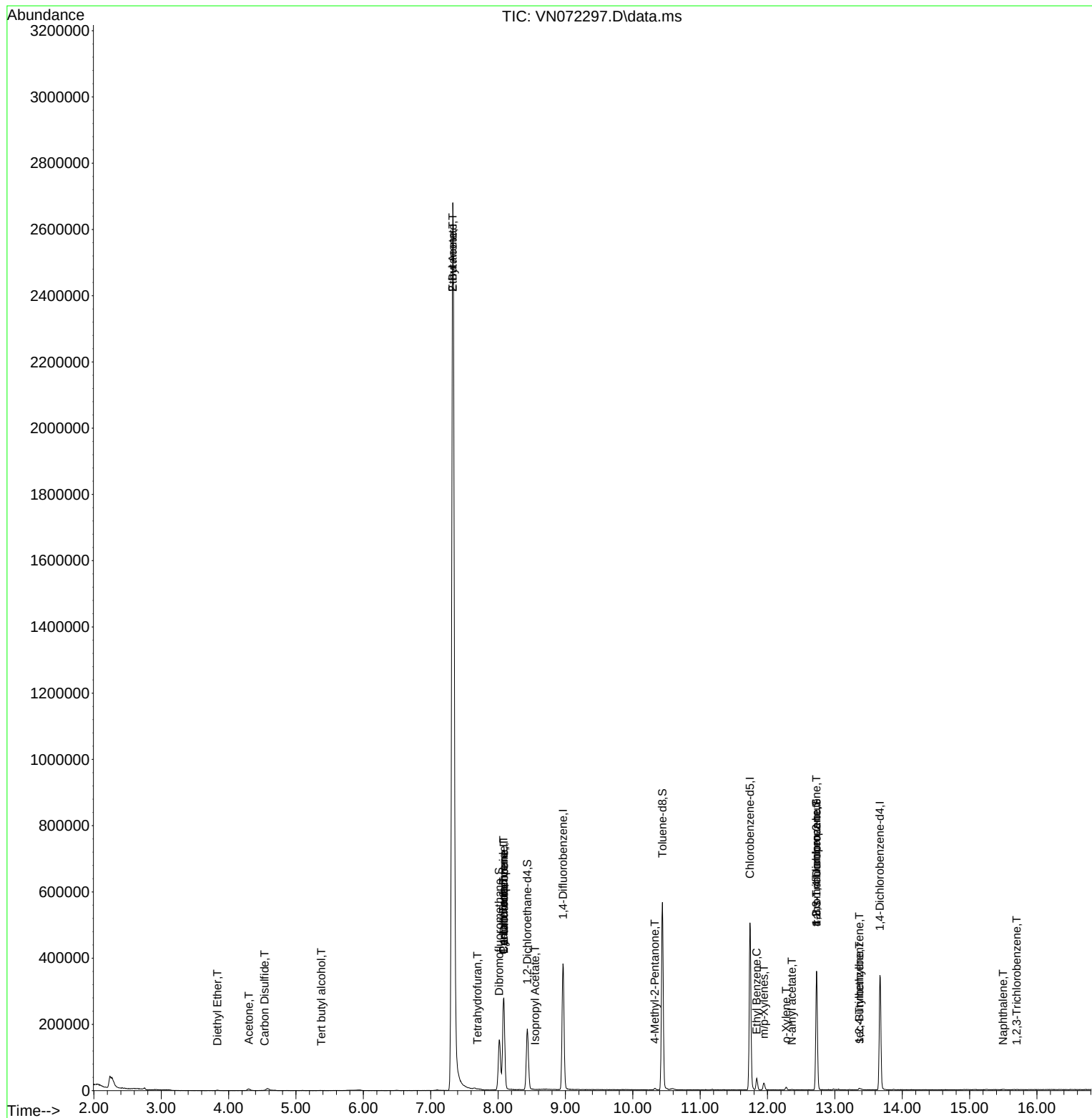
Internal Standards						
1) Pentafluorobenzene	8.086	168	192899	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	315604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	277643	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	92040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	168106	56.765	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 113.540%	
35) Dibromofluoromethane	8.016	113	108457	53.690	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 107.380%	
50) Toluene-d8	10.439	98	386254	48.662	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 97.320%	
62) 4-Bromofluorobenzene	12.727	95	125169	47.509	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 95.020%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	127	Below Cal	#	43
5) Bromomethane	2.863	94	130	Below Cal	#	2
6) Chloroethane	3.010	64	481	Below Cal	#	42
8) Diethyl Ether	3.834	74	628	0.457	ug/l	72
11) Tert butyl alcohol	5.375	59	887	1.823	ug/l	# 72
16) Acetone	4.298	43	9567	7.493	ug/l	# 78
17) Carbon Disulfide	4.534	76	439	0.464	ug/l	# 75
25) 2-Butanone	7.328	43	4597700	2261.110	ug/l	95
29) Tetrahydrofuran	7.692	42	345	0.259	ug/l	# 29
31) Cyclohexane	8.080	56	4812	1.216	ug/l	# 43
36) 1,1-Dichloropropene	8.086	75	17360	5.904	ug/l	# 50
37) Ethyl Acetate	7.328	43	4610838	1180.818	ug/l	# 67
38) Carbon Tetrachloride	8.080	117	22070	7.008	ug/l	# 17
43) Isopropyl Acetate	8.551	43	215	0.836	ug/l	# 53
51) 4-Methyl-2-Pentanone	10.327	43	3252	0.883	ug/l	87
67) Ethyl Benzene	11.839	91	25245	2.580	ug/l	92
68) m/p-Xylenes	11.945	106	6750	1.858	ug/l	91
69) o-Xylene	12.274	106	2360	0.670	ug/l	96
74) N-amyl acetate	12.363	43	1447	0.475	ug/l	# 41
75) 1,1,2,2-Tetrachloroethane	12.733	83	126	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	72149	34.774	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	72149	90.638	ug/l	# 10
84) 1,2,4-Trimethylbenzene	13.362	105	3903	0.596	ug/l	89
85) sec-Butylbenzene	13.362	105	3903	0.504	ug/l	# 56
95) Naphthalene	15.498	128	1850	4.654	ug/l	# 78
96) 1,2,3-Trichlorobenzene	15.698	180	172	2.789	ug/l	# 52

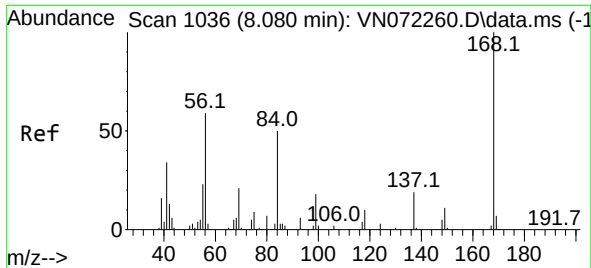
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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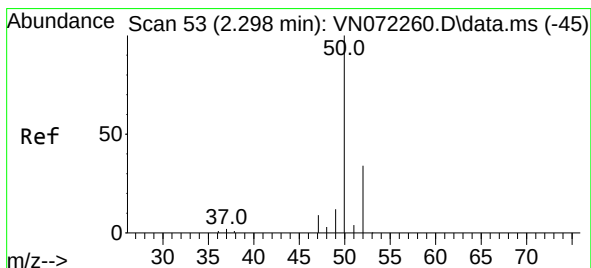
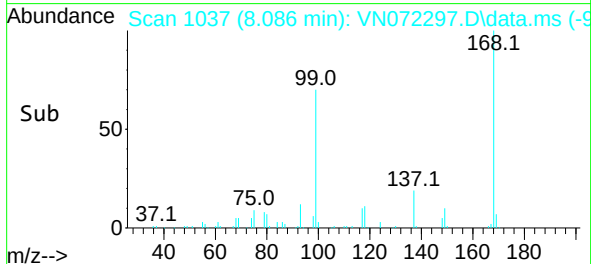
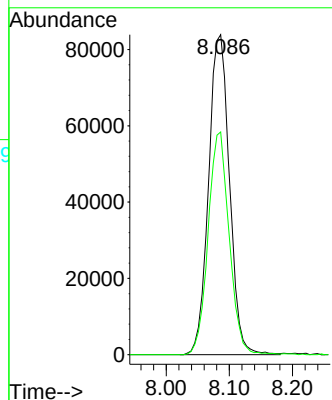
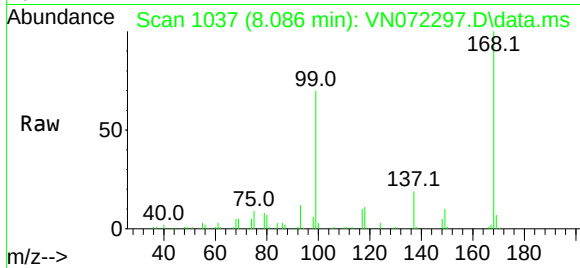




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN072297.D
Acq: 02 May 2022 15:35

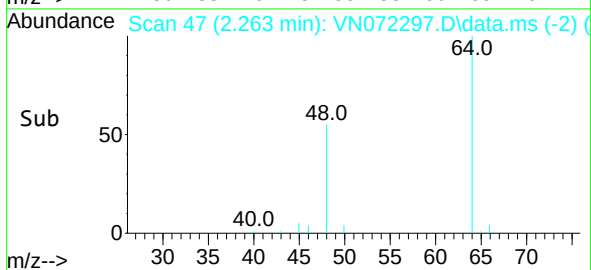
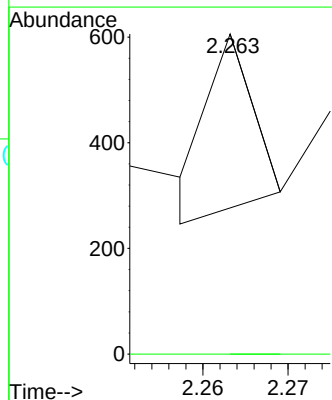
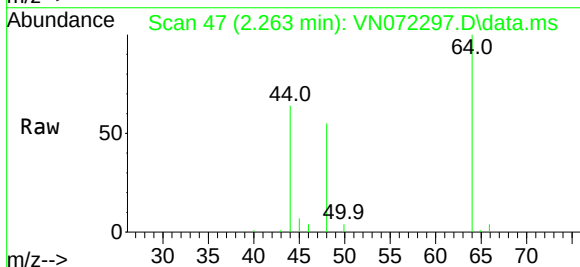
Instrument :
MSVOA_N
ClientSampleId :

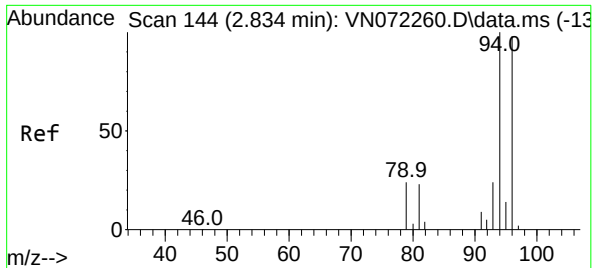
Tgt Ion:168 Resp: 192899
Ion Ratio Lower Upper
168 100
99 69.6 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 47
Delta R.T. -0.036 min
Lab File: VN072297.D
Acq: 02 May 2022 15:35

Tgt Ion: 50 Resp: 127
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

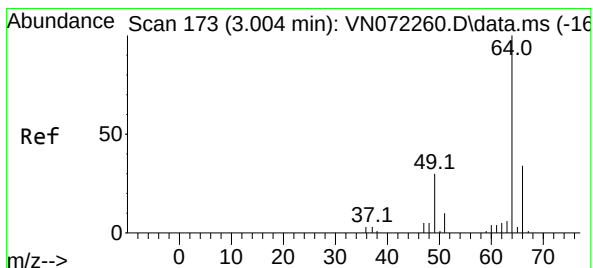
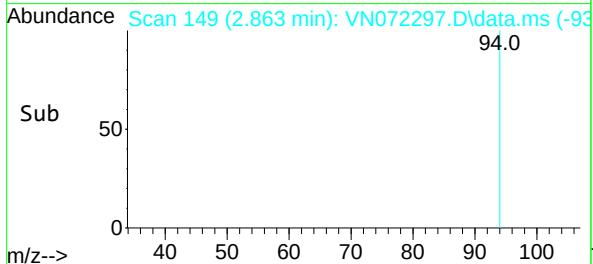
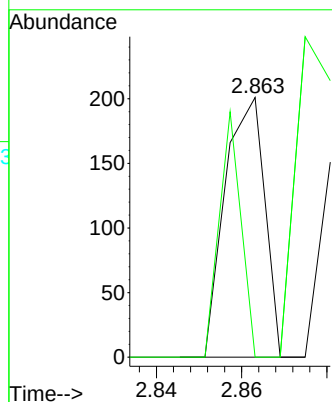
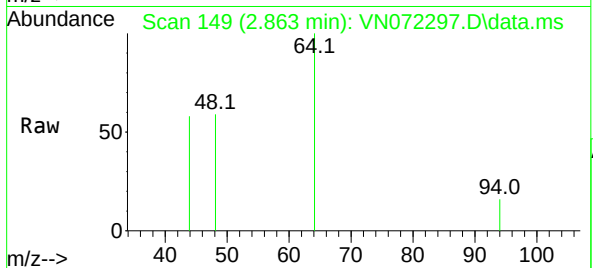




#5
Bromomethane
Concen: Below Cal
RT: 2.863 min Scan# 14
Delta R.T. 0.029 min
Lab File: VN072297.D
Acq: 02 May 2022 15:35

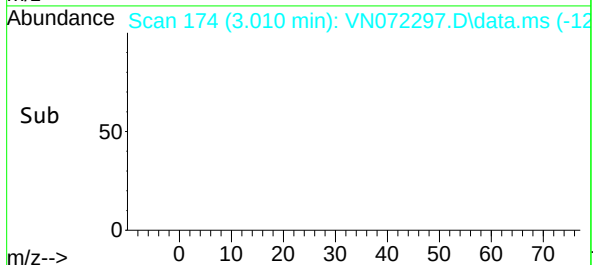
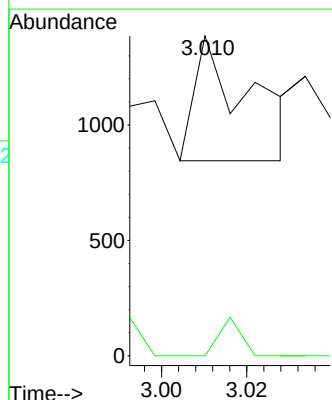
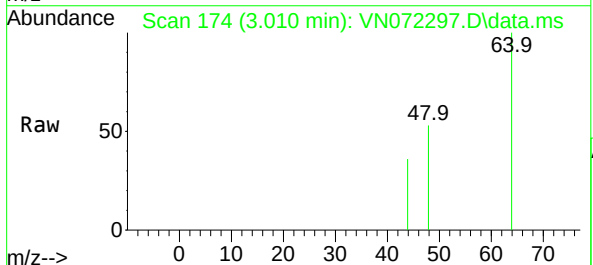
Instrument :
MSVOA_N
ClientSampleId :

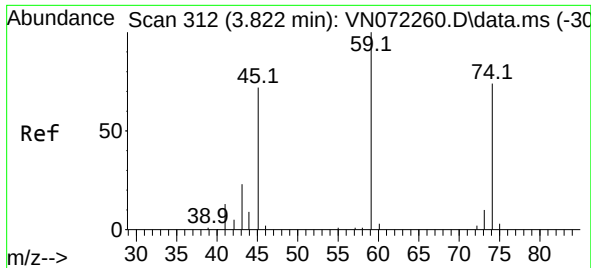
Tgt Ion: 94 Resp: 130
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 3.010 min Scan# 174
Delta R.T. 0.005 min
Lab File: VN072297.D
Acq: 02 May 2022 15:35

Tgt Ion: 64 Resp: 481
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#8

Diethyl Ether

Concen: 0.457 ug/l

RT: 3.834 min Scan# 31

Delta R.T. 0.012 min

Lab File: VN072297.D

Acq: 02 May 2022 15:35

Instrument :

MSVOA_N

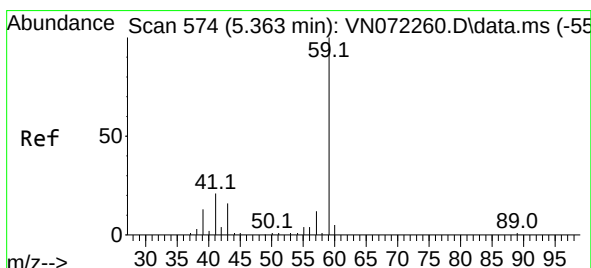
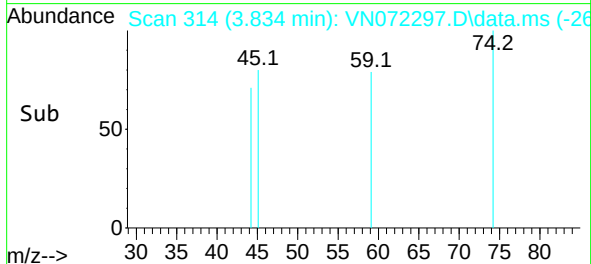
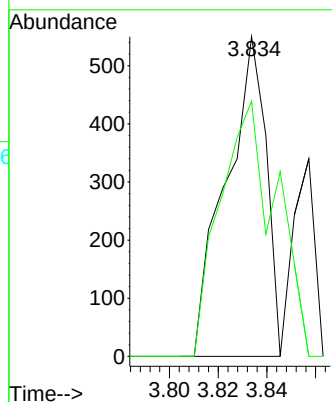
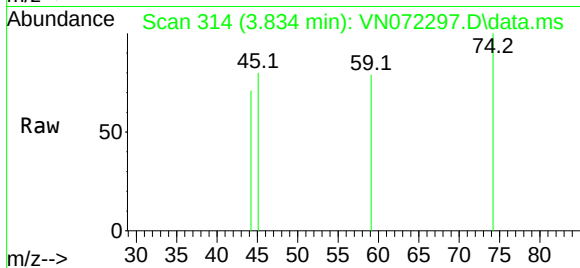
ClientSampleId :

Tgt Ion: 74 Resp: 628

Ion Ratio Lower Upper

74 100

45 111.8 42.9 128.5



#11

Tert butyl alcohol

Concen: 1.823 ug/l

RT: 5.375 min Scan# 576

Delta R.T. 0.012 min

Lab File: VN072297.D

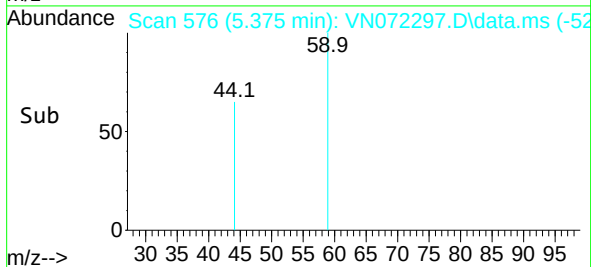
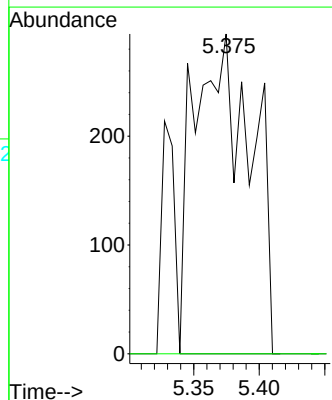
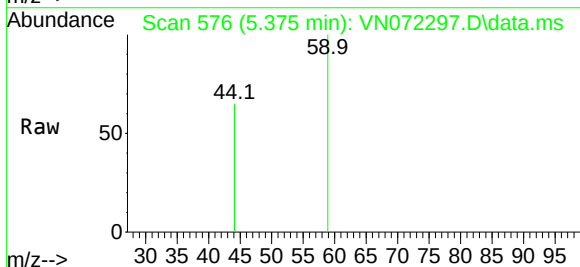
Acq: 02 May 2022 15:35

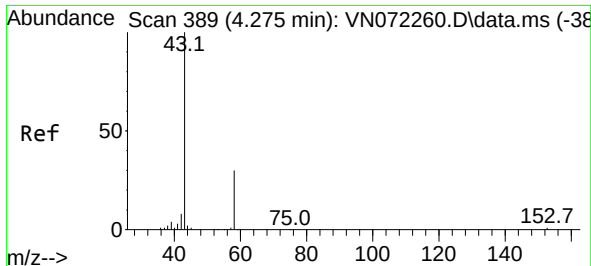
Tgt Ion: 59 Resp: 887

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#16

Acetone

Concen: 7.493 ug/l

RT: 4.298 min Scan# 393

Delta R.T. 0.017 min

Lab File: VN072297.D

Acq: 02 May 2022 15:35

Instrument :

MSVOA_N

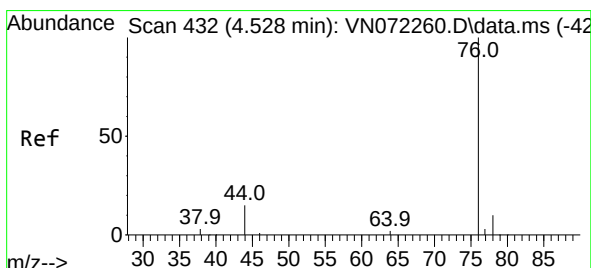
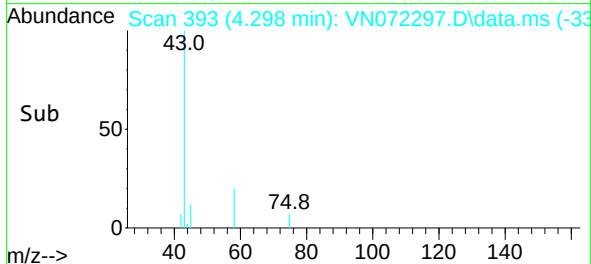
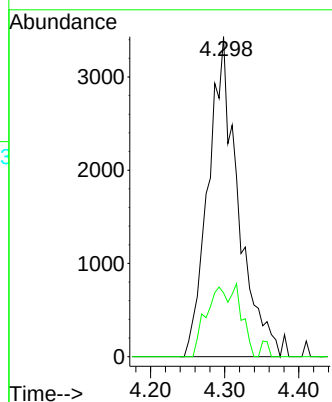
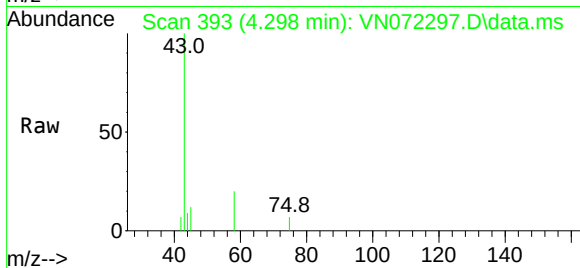
ClientSampleId :

Tgt Ion: 43 Resp: 9567

Ion Ratio Lower Upper

43 100

58 20.0 26.0 39.0#



#17

Carbon Disulfide

Concen: 0.464 ug/l

RT: 4.534 min Scan# 433

Delta R.T. -0.000 min

Lab File: VN072297.D

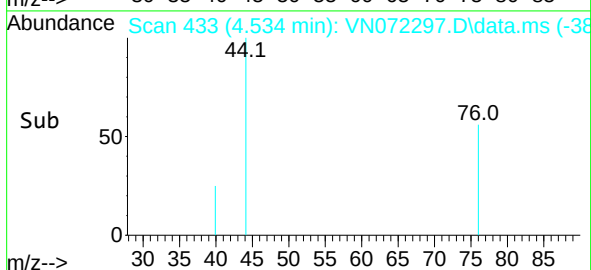
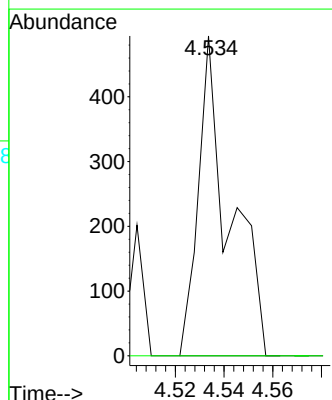
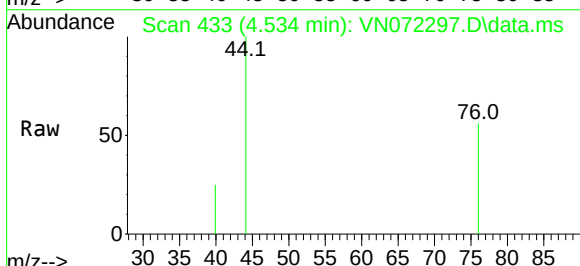
Acq: 02 May 2022 15:35

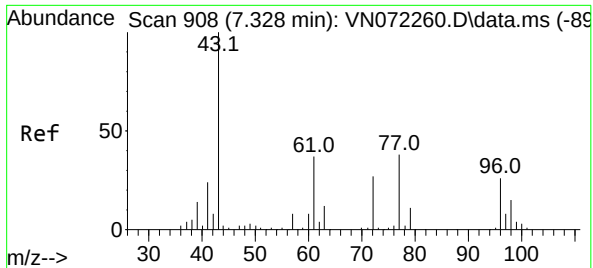
Tgt Ion: 76 Resp: 439

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

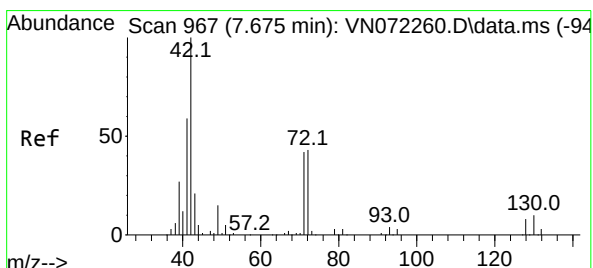
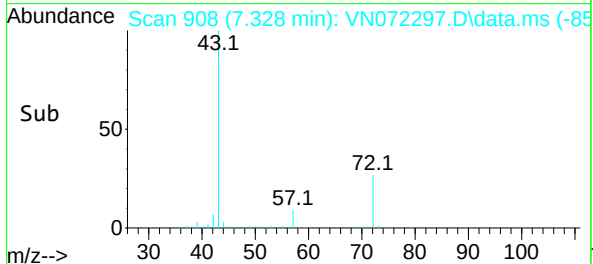
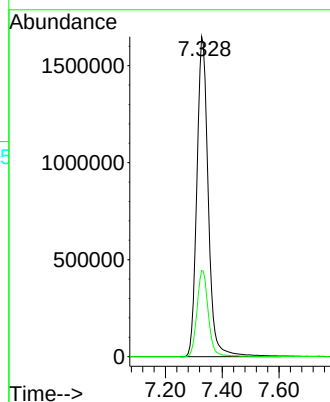
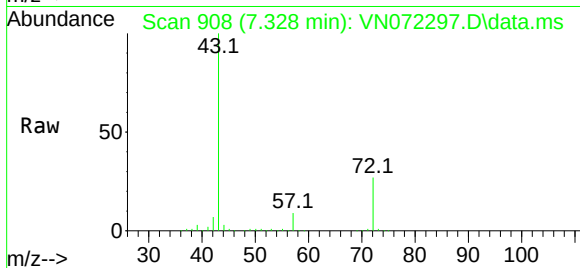




#25
2-Butanone
Concen: 2261.110 ug/l
RT: 7.328 min Scan# 908
Delta R.T. -0.000 min
Lab File: VN072297.D
Acq: 02 May 2022 15:35

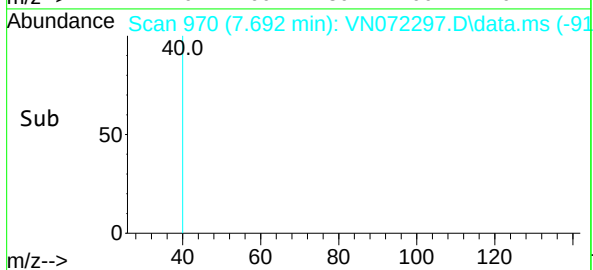
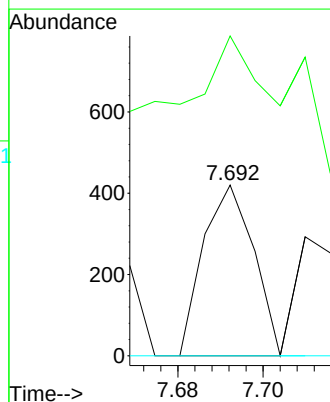
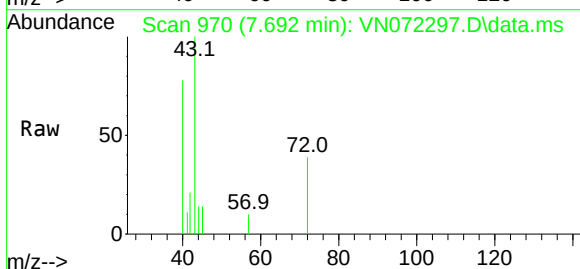
Instrument :
MSVOA_N
ClientSampleId :

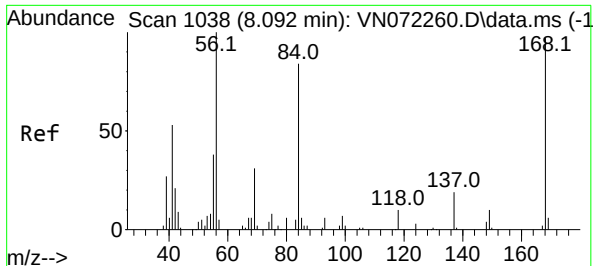
Tgt Ion: 43 Resp: 4597700
Ion Ratio Lower Upper
43 100
72 26.9 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.259 ug/l
RT: 7.692 min Scan# 970
Delta R.T. 0.011 min
Lab File: VN072297.D
Acq: 02 May 2022 15:35

Tgt Ion: 42 Resp: 345
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 0.0 36.6 55.0#





#31

Cyclohexane

Concen: 1.216 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.012 min

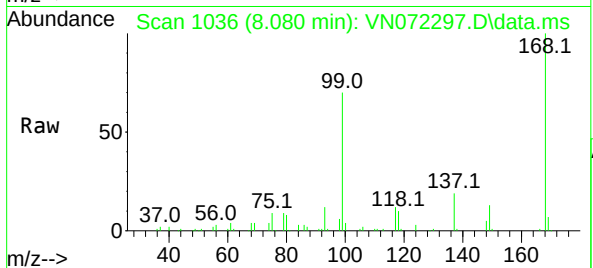
Lab File: VN072297.D

Acq: 02 May 2022 15:35

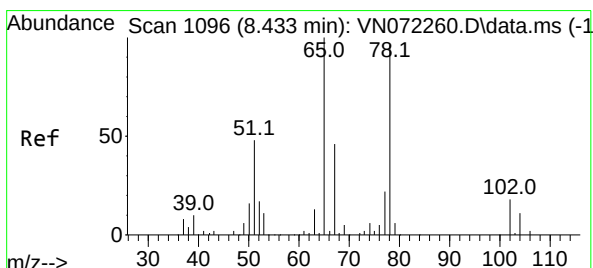
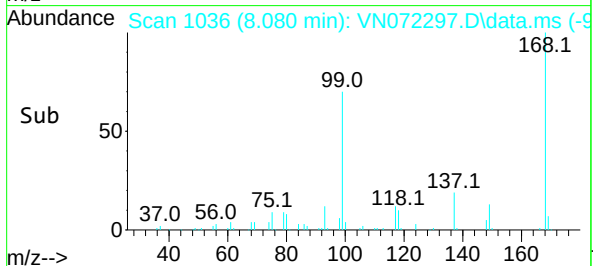
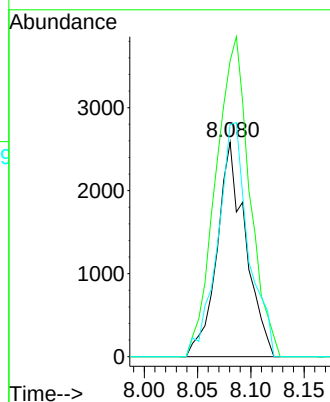
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	4812
Ion Ratio	Lower	Upper	
56	100		
69	138.0	27.8	41.8#
84	108.3	76.9	115.3



#33

1,2-Dichloroethane-d4

Concen: 56.765 ug/l

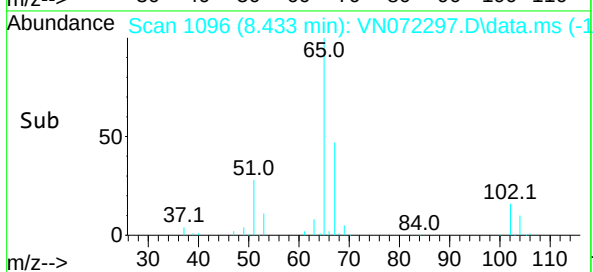
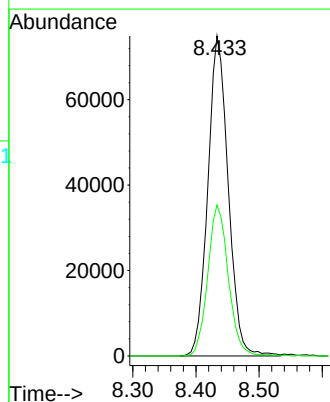
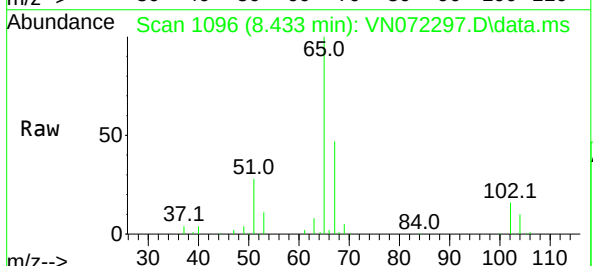
RT: 8.433 min Scan# 1096

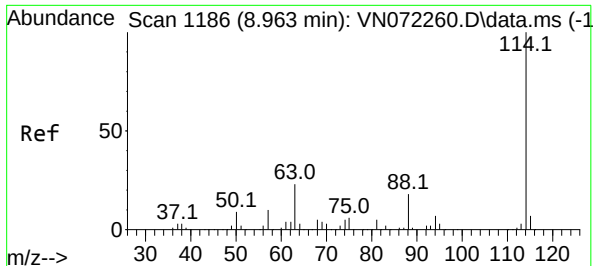
Delta R.T. -0.001 min

Lab File: VN072297.D

Acq: 02 May 2022 15:35

Tgt Ion:	65	Resp:	168106
Ion Ratio	Lower	Upper	
65	100		
67	47.6	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: VN072297.D

Acq: 02 May 2022 15:35

Instrument :

MSVOA_N

ClientSampleId :

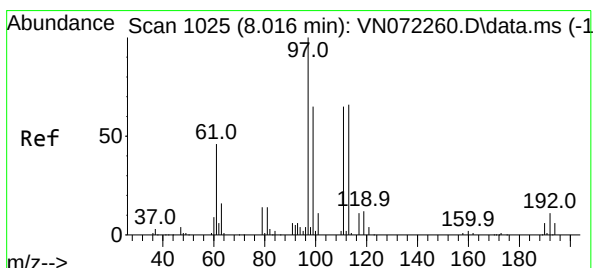
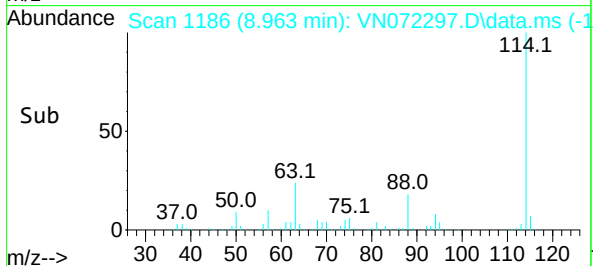
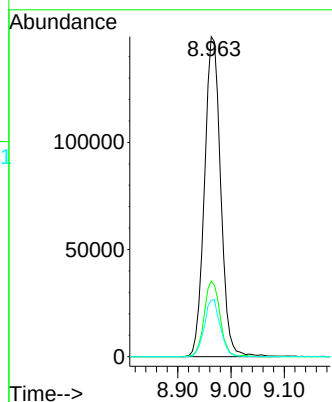
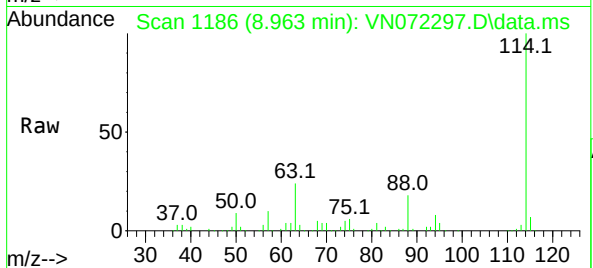
Tgt Ion:114 Resp: 315604

Ion Ratio Lower Upper

114 100

63 23.6 0.0 40.0

88 17.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 53.690 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072297.D

Acq: 02 May 2022 15:35

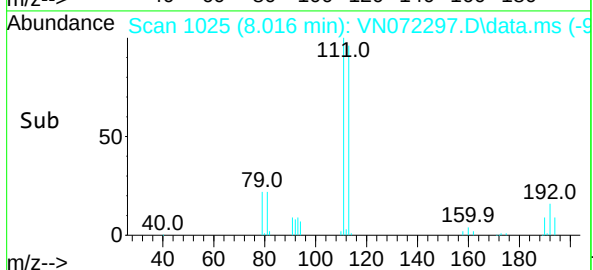
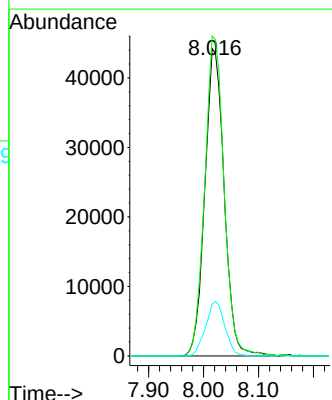
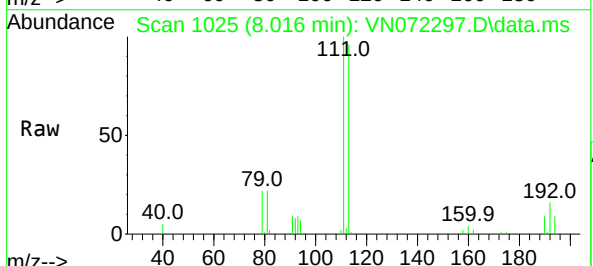
Tgt Ion:113 Resp: 108457

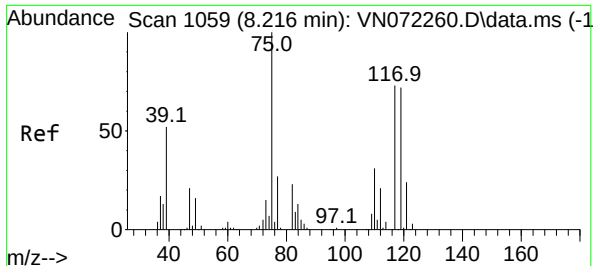
Ion Ratio Lower Upper

113 100

111 104.1 81.4 122.0

192 17.5 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.904 ug/l

RT: 8.086 min Scan# 1

Delta R.T. -0.130 min

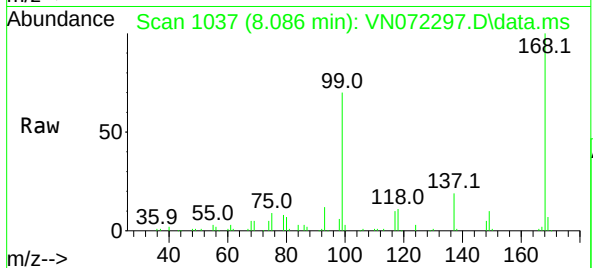
Lab File: VN072297.D

Acq: 02 May 2022 15:35

Instrument :

MSVOA_N

ClientSampleId :



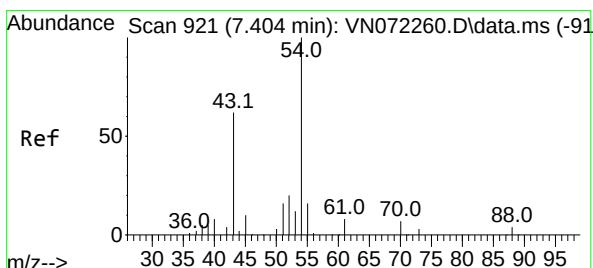
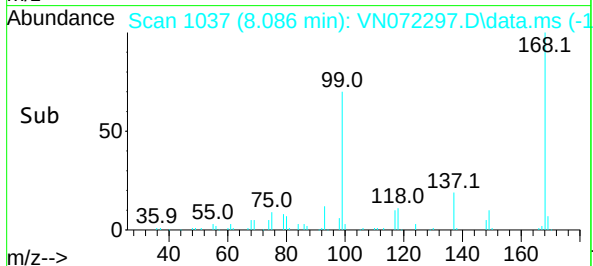
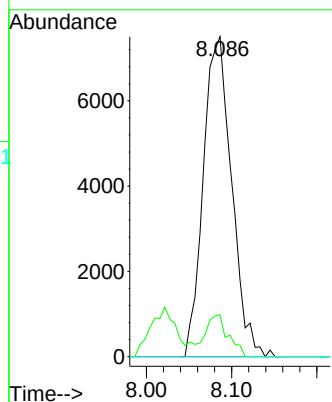
Tgt Ion: 75 Resp: 17360

Ion Ratio Lower Upper

75 100

110 10.5 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 1180.818 ug/l

RT: 7.328 min Scan# 908

Delta R.T. -0.082 min

Lab File: VN072297.D

Acq: 02 May 2022 15:35

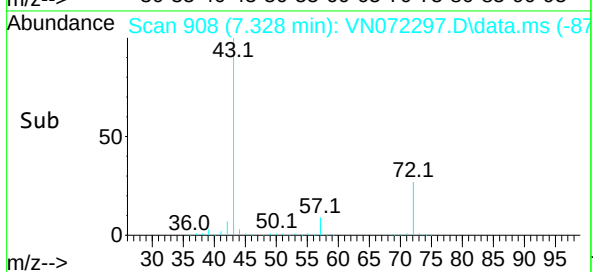
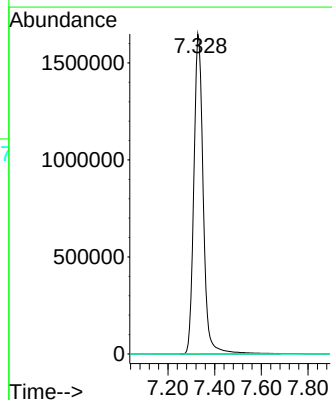
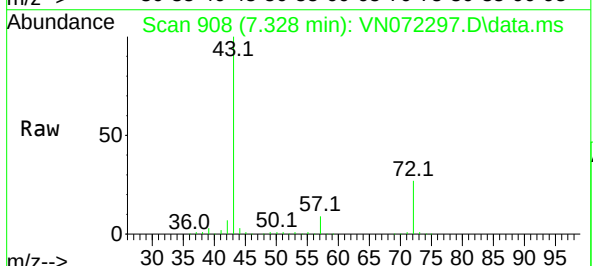
Tgt Ion: 43 Resp: 4610838

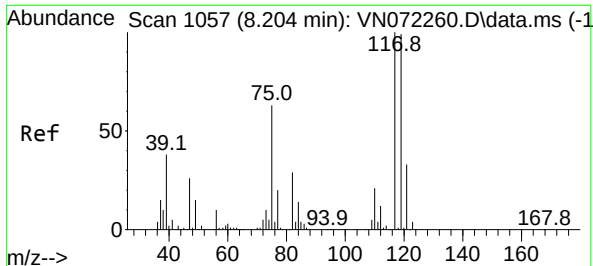
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

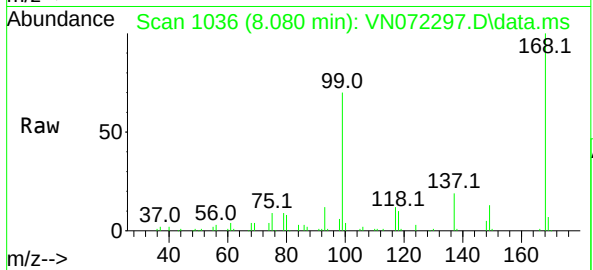
70 0.0 9.3 13.9#



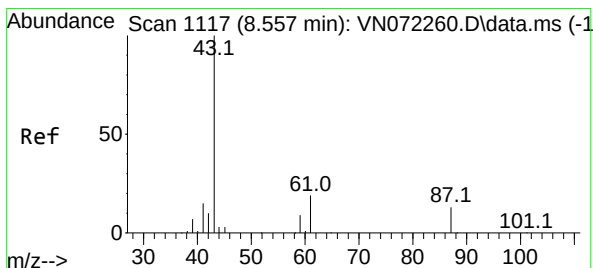
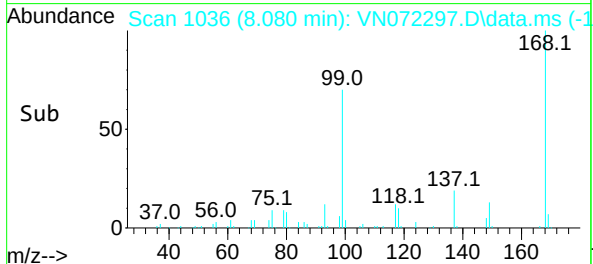
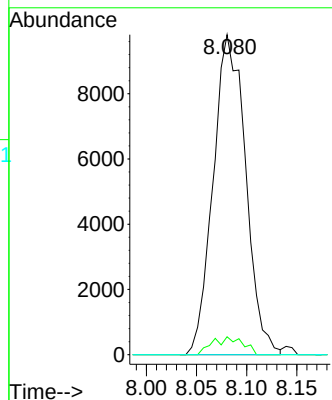


#38
Carbon Tetrachloride
Concen: 7.008 ug/l
RT: 8.080 min Scan# 1107
Delta R.T. -0.124 min
Lab File: VN072297.D
Acq: 02 May 2022 15:35

Instrument :
MSVOA_N
ClientSampleId :

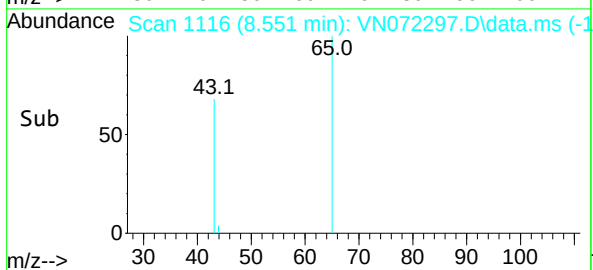
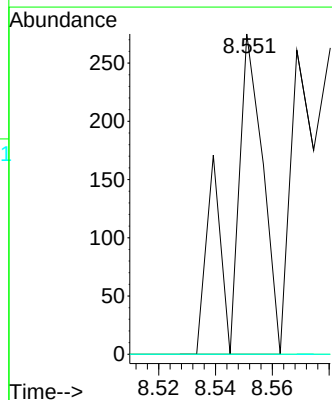
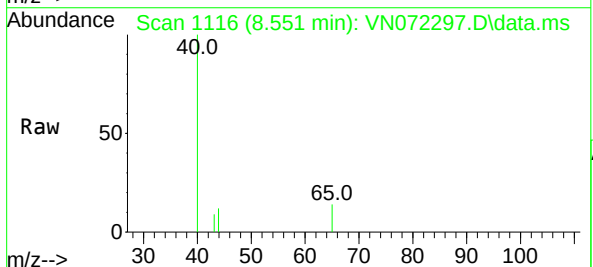


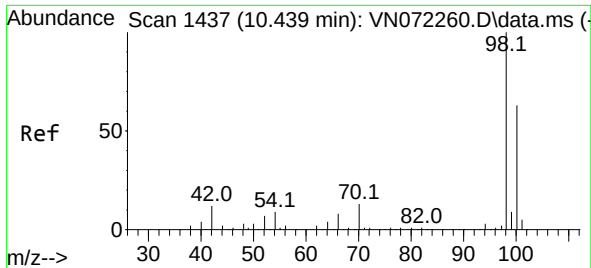
Tgt Ion:117 Resp: 22070
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.836 ug/l
RT: 8.551 min Scan# 1116
Delta R.T. -0.006 min
Lab File: VN072297.D
Acq: 02 May 2022 15:35

Tgt Ion: 43 Resp: 215
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

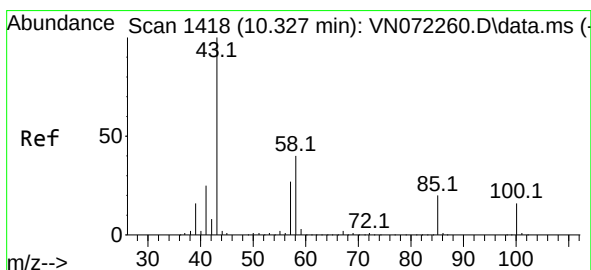
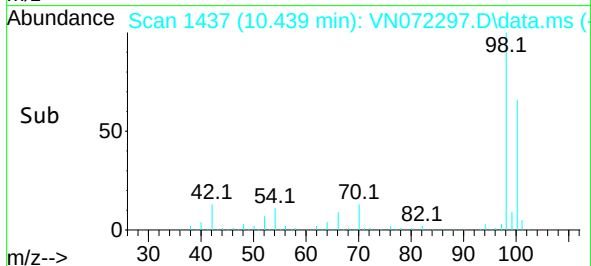
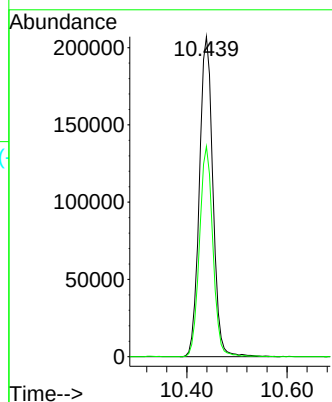
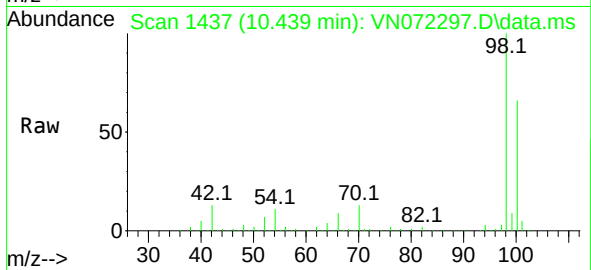




#50
Toluene-d8
Concen: 48.662 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072297.D
Acq: 02 May 2022 15:35

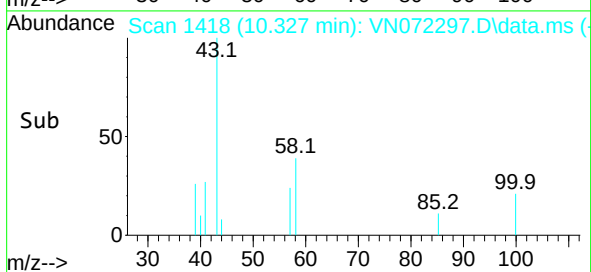
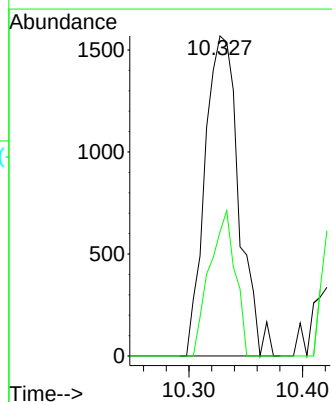
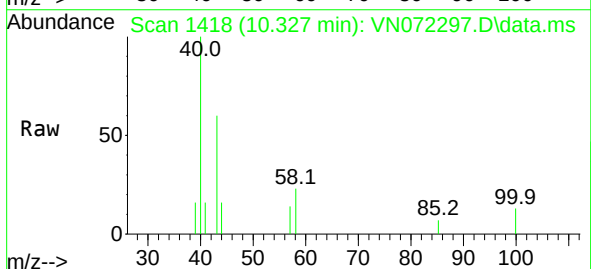
Instrument :
MSVOA_N
ClientSampleId :

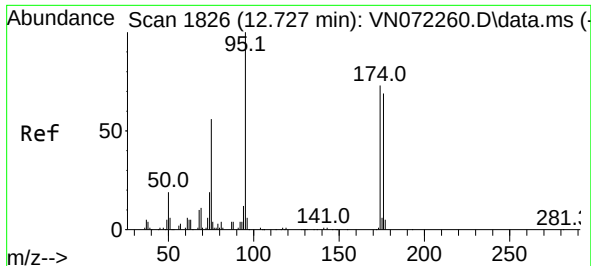
Tgt Ion: 98 Resp: 386254
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.883 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.001 min
Lab File: VN072297.D
Acq: 02 May 2022 15:35

Tgt Ion: 43 Resp: 3252
Ion Ratio Lower Upper
43 100
58 34.3 34.1 51.1

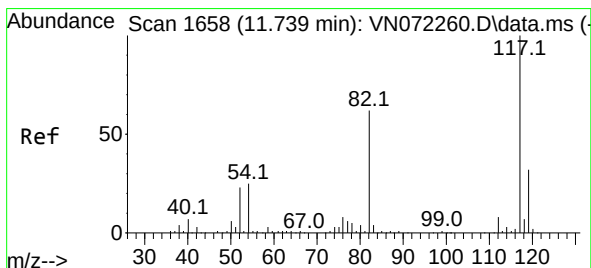
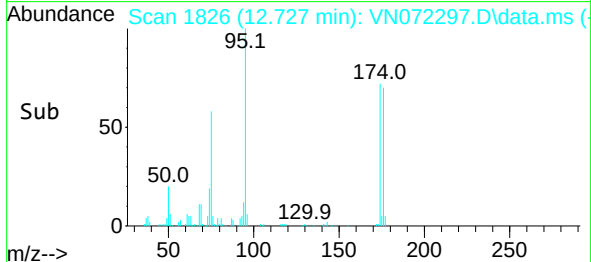
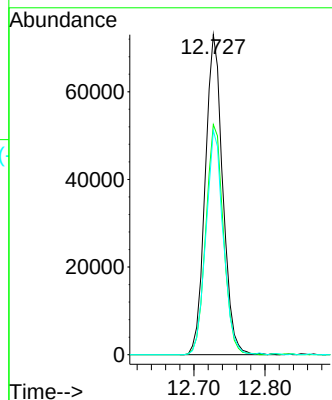
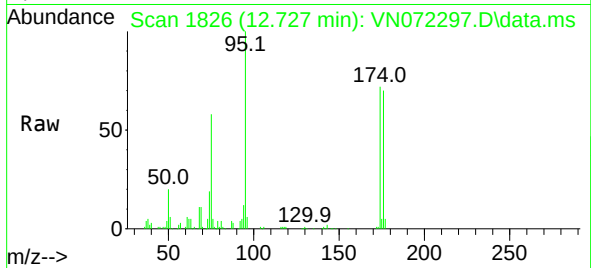




#62
4-Bromofluorobenzene
Concen: 47.509 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072297.D
Acq: 02 May 2022 15:35

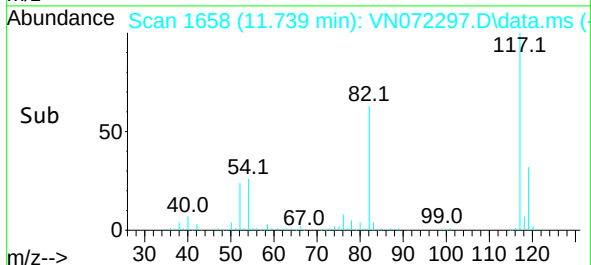
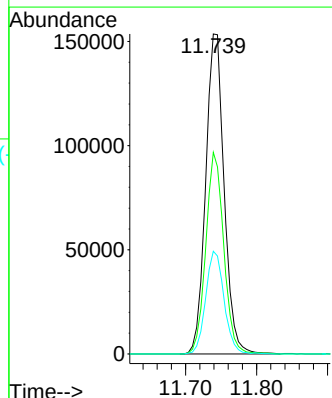
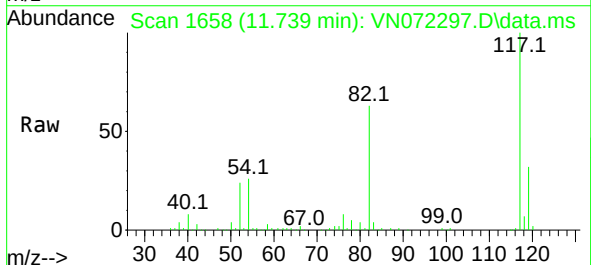
Instrument :
MSVOA_N
ClientSampleId :

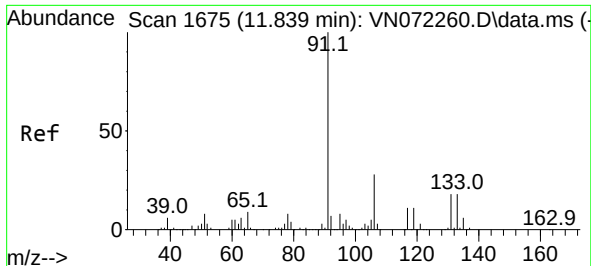
Tgt Ion: 95 Resp: 125169
Ion Ratio Lower Upper
95 100
174 72.0 0.0 167.6
176 69.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072297.D
Acq: 02 May 2022 15:35

Tgt Ion: 117 Resp: 277643
Ion Ratio Lower Upper
117 100
82 63.0 44.2 66.2
119 32.1 25.4 38.0





#67

Ethyl Benzene

Concen: 2.580 ug/l

RT: 11.839 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VN072297.D

Acq: 02 May 2022 15:35

Instrument :

MSVOA_N

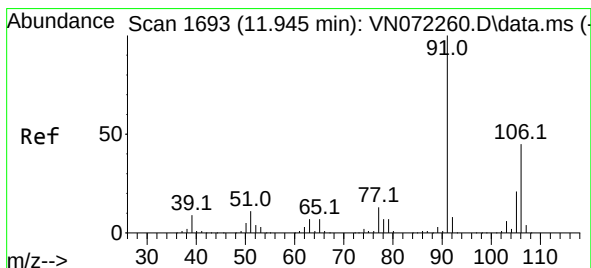
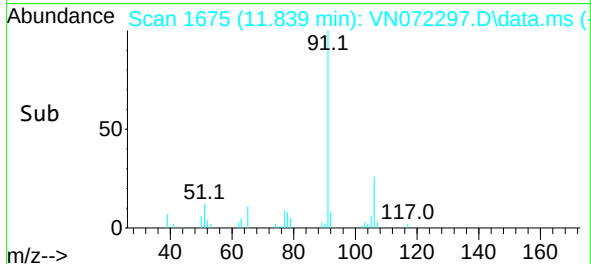
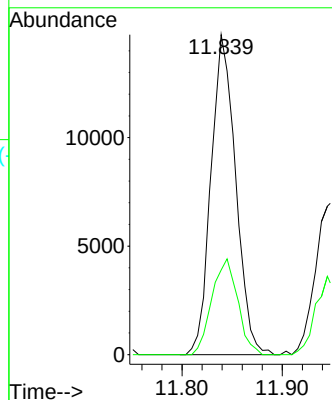
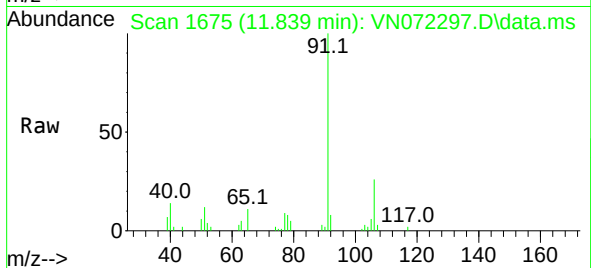
ClientSampleId :

Tgt Ion: 91 Resp: 25245

Ion Ratio Lower Upper

91 100

106 26.5 24.9 37.3



#68

m/p-Xylenes

Concen: 1.858 ug/l

RT: 11.945 min Scan# 1693

Delta R.T. -0.006 min

Lab File: VN072297.D

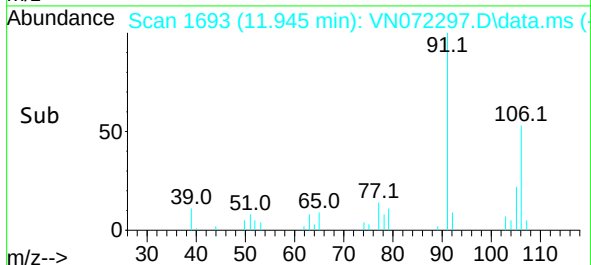
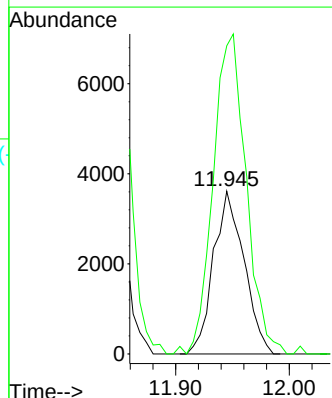
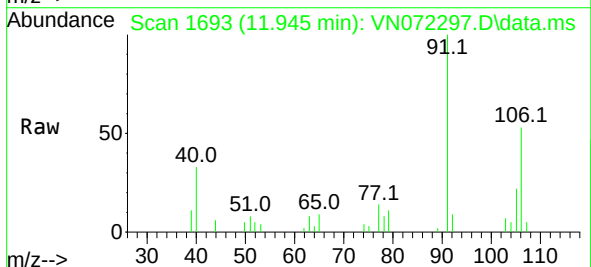
Acq: 02 May 2022 15:35

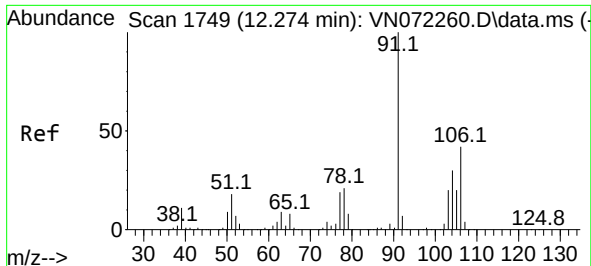
Tgt Ion: 106 Resp: 6750

Ion Ratio Lower Upper

106 100

91 212.1 158.9 238.3

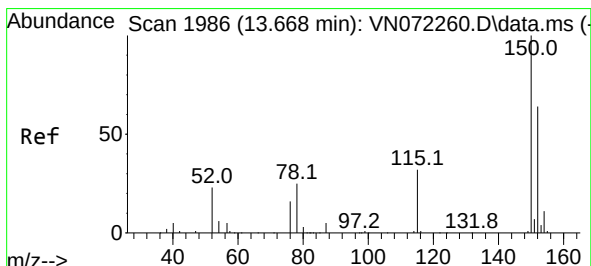
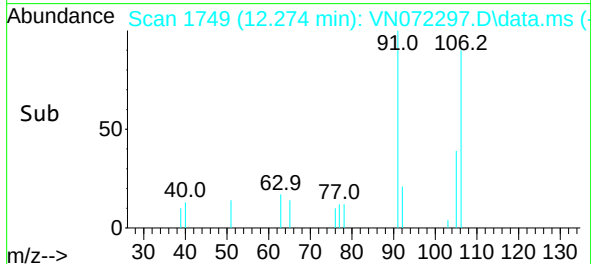
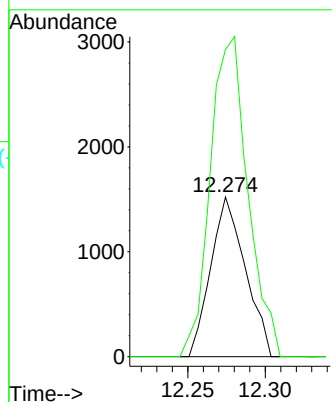
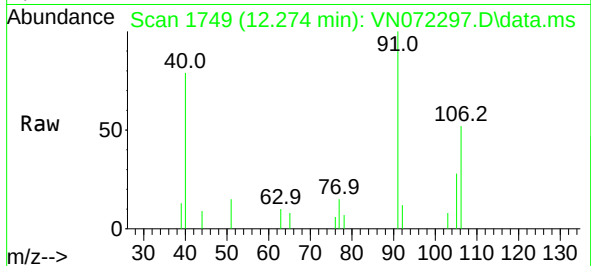




#69
o-Xylene
Concen: 0.670 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. -0.001 min
Lab File: VN072297.D
Acq: 02 May 2022 15:35

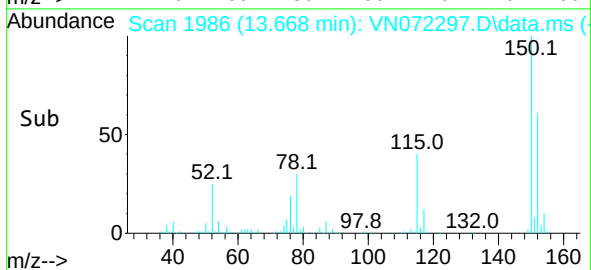
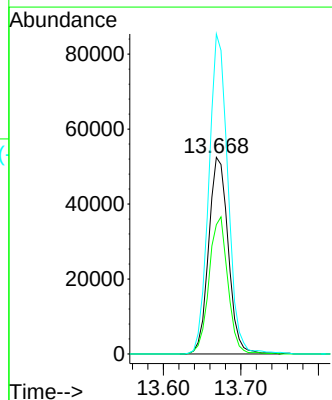
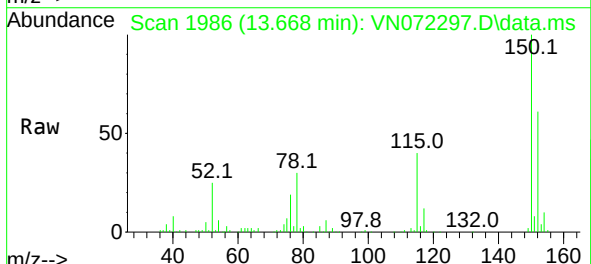
Instrument :
MSVOA_N
ClientSampleId :

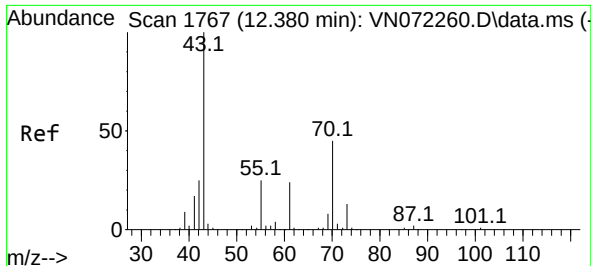
Tgt Ion:106 Resp: 2360
Ion Ratio Lower Upper
106 100
91 218.3 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072297.D
Acq: 02 May 2022 15:35

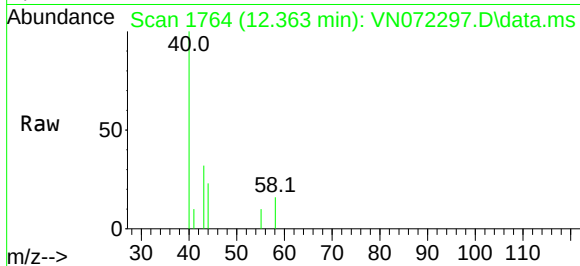
Tgt Ion:152 Resp: 92040
Ion Ratio Lower Upper
152 100
115 67.1 28.9 86.7
150 158.9 0.0 356.2



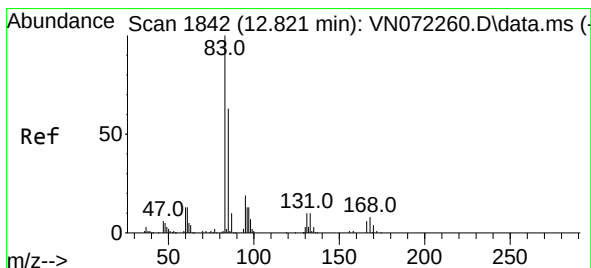
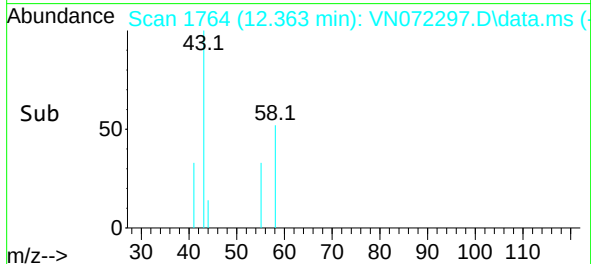
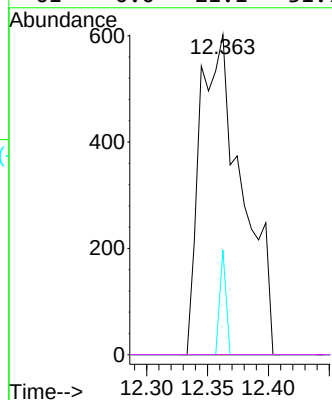


#74
N-amy1 acetate
Concen: 0.475 ug/l
RT: 12.363 min Scan# 1764
Delta R.T. -0.017 min
Lab File: VN072297.D
Acq: 02 May 2022 15:35

Instrument :
MSVOA_N
ClientSampleId :

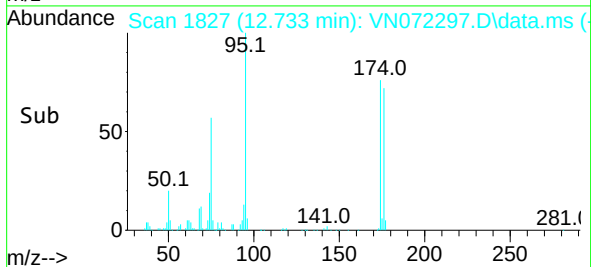
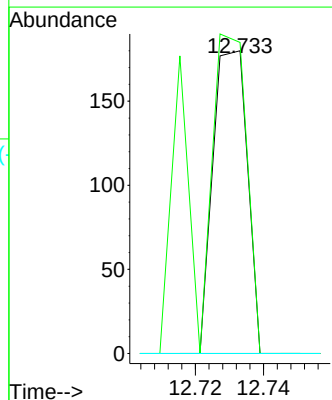
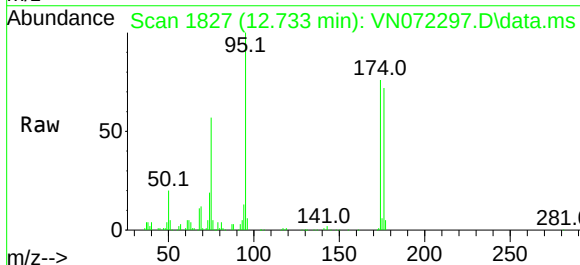


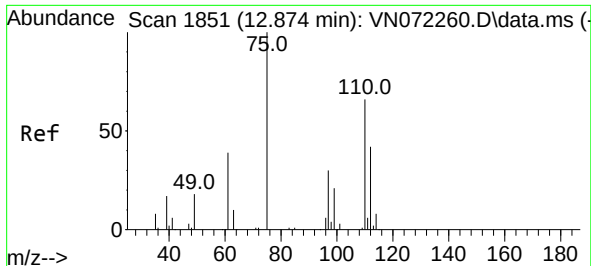
Tgt Ion: 43	Resp: 1447
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.4#
55	4.8 21.1 31.7#
61	0.0 21.1 31.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.733 min Scan# 1827
Delta R.T. -0.089 min
Lab File: VN072297.D
Acq: 02 May 2022 15:35

Tgt Ion: 83	Resp: 126
Ion Ratio	Lower Upper
83	100
131	154.8 5.3 15.9#
85	0.0 32.3 96.9#

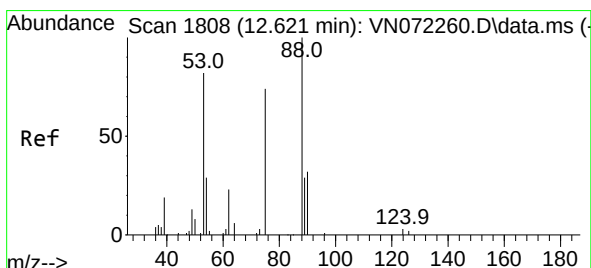
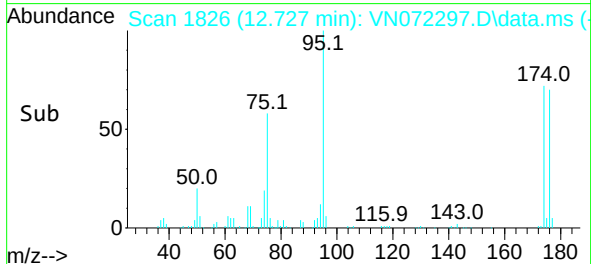
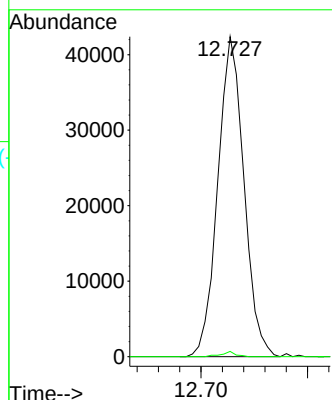
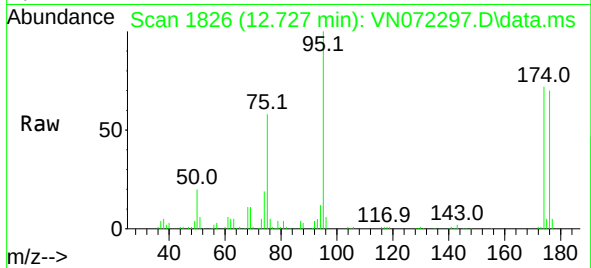




#76
1,2,3-Trichloropropane
Concen: 34.774 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072297.D
Acq: 02 May 2022 15:35

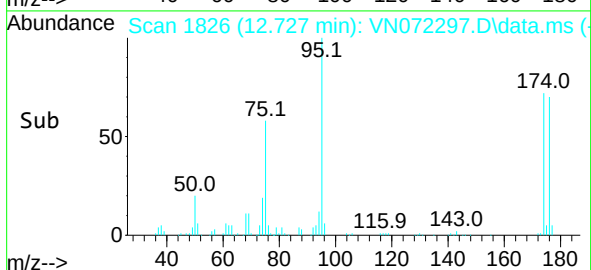
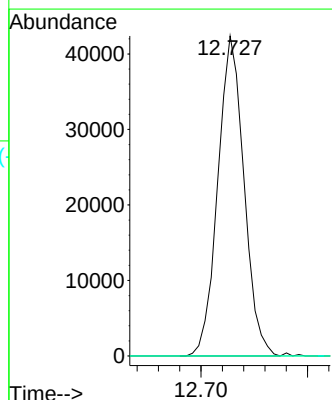
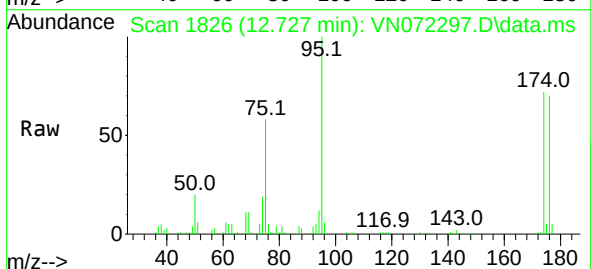
Instrument :
MSVOA_N
ClientSampleId :

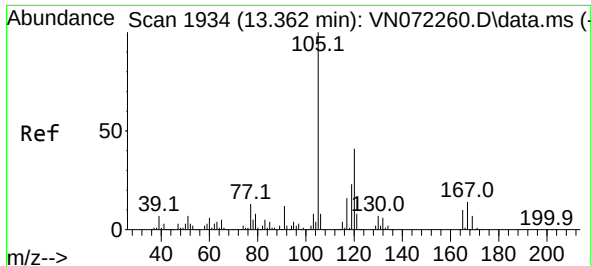
Tgt Ion: 75 Resp: 72149
Ion Ratio Lower Upper
75 100
77 0.9 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.638 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072297.D
Acq: 02 May 2022 15:35

Tgt Ion: 75 Resp: 72149
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

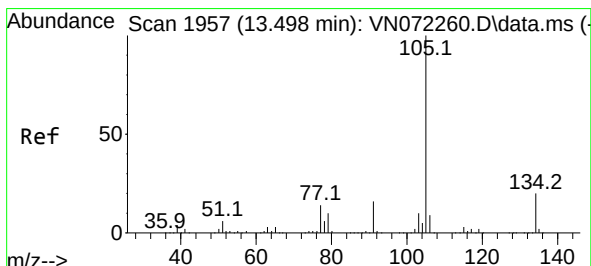
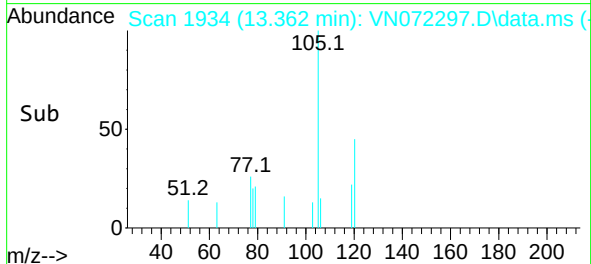
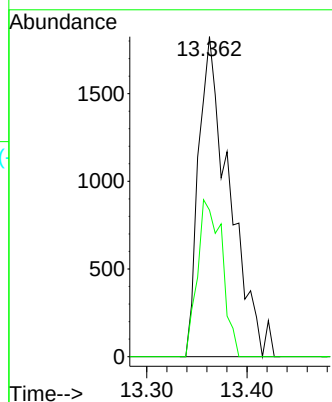
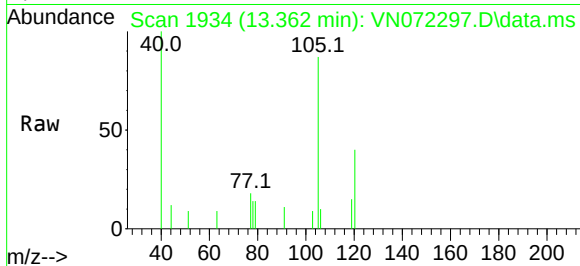




#84
1,2,4-Trimethylbenzene
Concen: 0.596 ug/l
RT: 13.362 min Scan# 1934
Delta R.T. -0.001 min
Lab File: VN072297.D
Acq: 02 May 2022 15:35

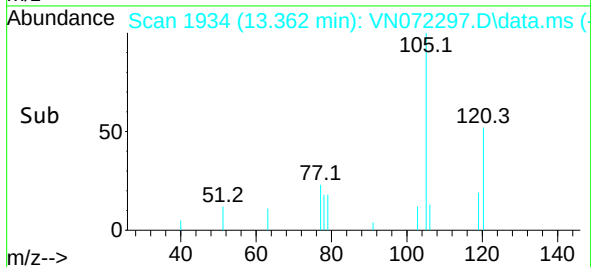
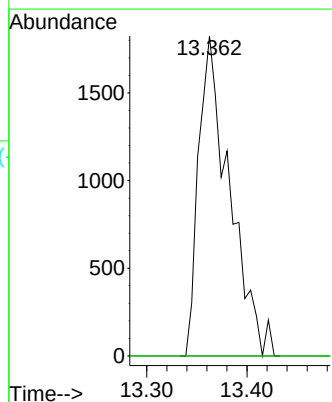
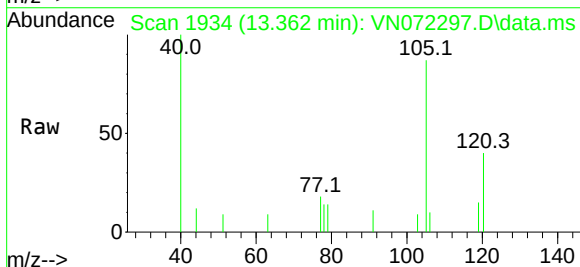
Instrument :
MSVOA_N
ClientSampleId :

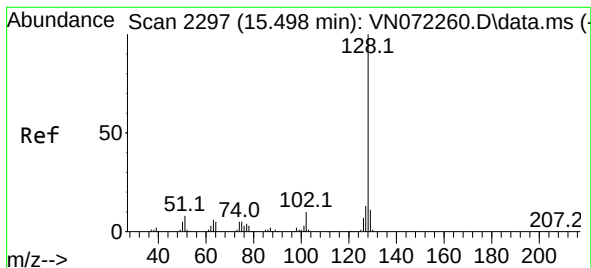
Tgt Ion:105 Resp: 3903
Ion Ratio Lower Upper
105 100
120 38.9 23.3 69.8



#85
sec-Butylbenzene
Concen: 0.504 ug/l
RT: 13.362 min Scan# 1934
Delta R.T. -0.136 min
Lab File: VN072297.D
Acq: 02 May 2022 15:35

Tgt Ion:105 Resp: 3903
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#95

Naphthalene

Concen: 4.654 ug/l

RT: 15.498 min Scan# 2297

Delta R.T. -0.000 min

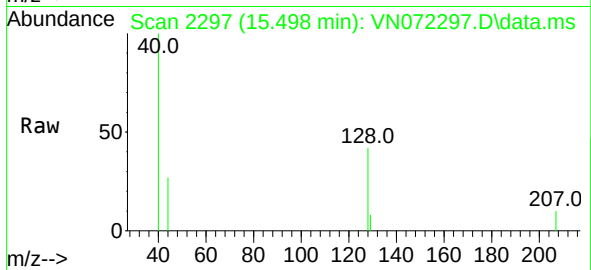
Lab File: VN072297.D

Acq: 02 May 2022 15:35

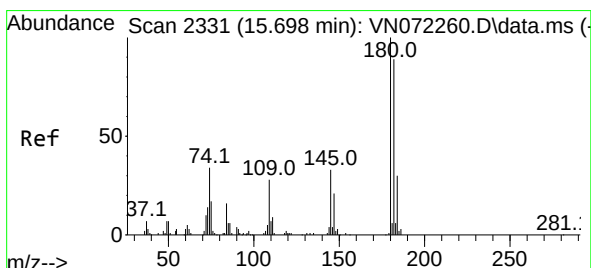
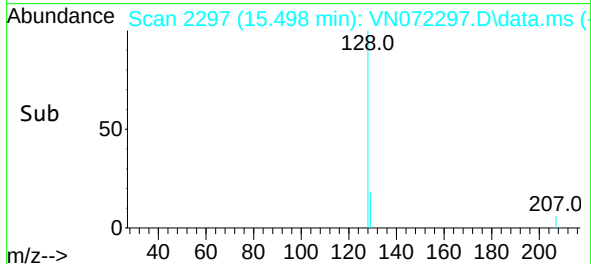
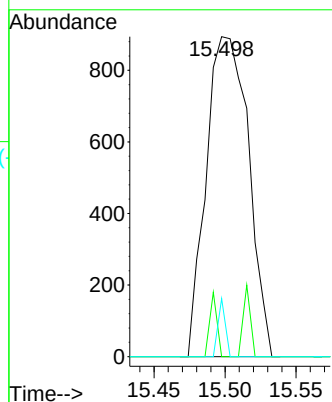
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	128	Resp:	1850
Ion	Ratio	Lower	Upper
128	100		
127	3.5	10.3	15.5#
129	3.1	8.6	13.0#



#96

1,2,3-Trichlorobenzene

Concen: 2.789 ug/l

RT: 15.698 min Scan# 2331

Delta R.T. 0.006 min

Lab File: VN072297.D

Acq: 02 May 2022 15:35

Tgt Ion:	180	Resp:	172
Ion	Ratio	Lower	Upper
180	100		
182	51.7	47.8	143.3
145	0.0	15.5	46.5#

