

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
 Data File : VN073960.D
 Acq On : 16 Aug 2022 19:54
 Operator : JC\MD
 Sample : N4203-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 61023

Quant Time: Aug 17 01:21:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

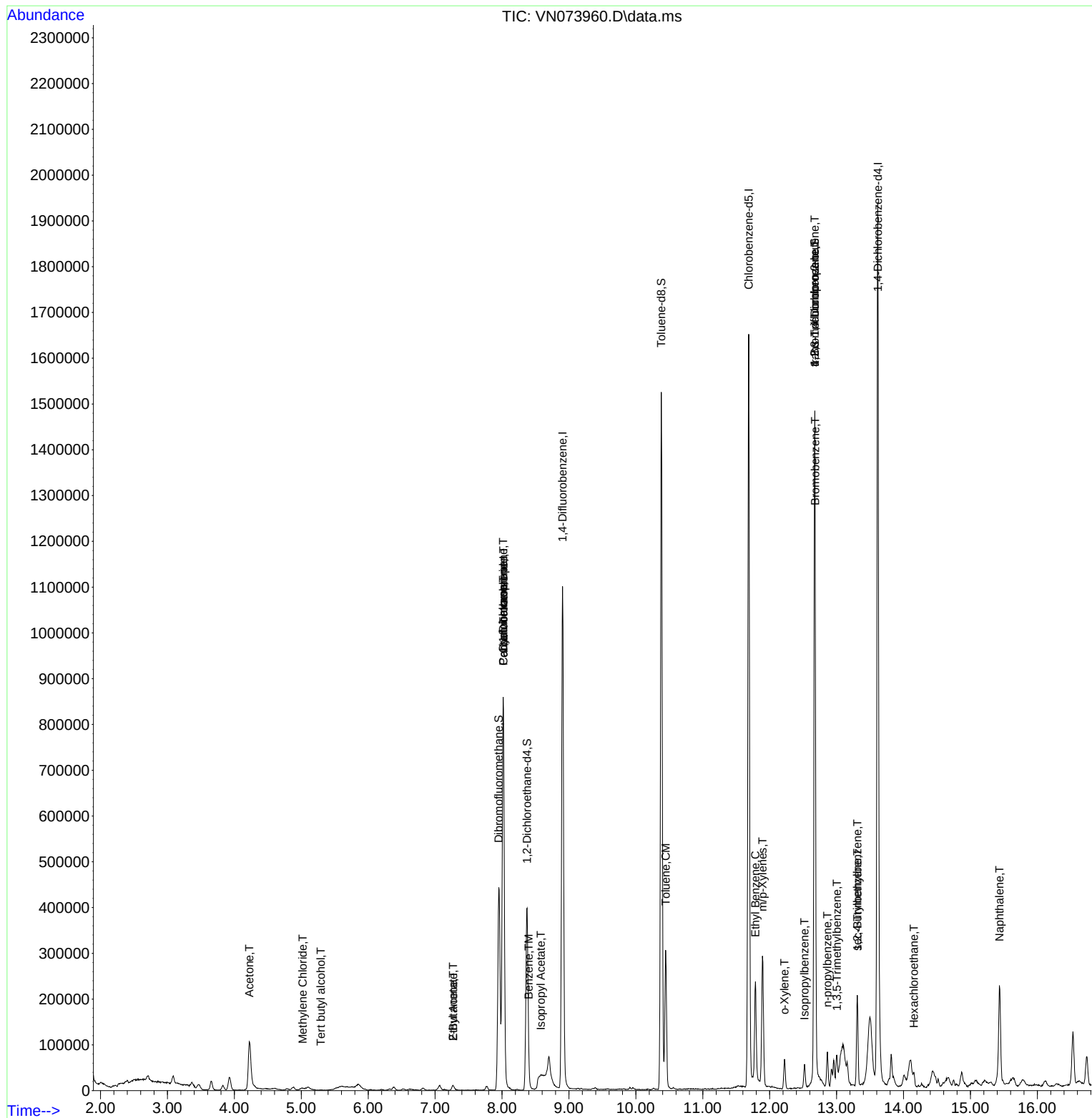
Internal Standards						
1) Pentafluorobenzene	8.022	168	726698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	1058098	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	1000753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	567670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	334507	47.260	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.520%
35) Dibromofluoromethane	7.951	113	330055	52.746	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.500%
50) Toluene-d8	10.381	98	1100107	45.394	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.780%
62) 4-Bromofluorobenzene	12.674	95	487275	60.583	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	121.160%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.293	59	860	0.543	ug/l #	72
16) Acetone	4.222	43	197638	59.185	ug/l	99
18) Methyl Acetate	4.775	43	7384	Below Cal	#	89
20) Methylene Chloride	5.022	84	1888	0.268	ug/l #	72
25) 2-Butanone	7.269	43	17710	3.345	ug/l	98
31) Cyclohexane	8.016	56	14387	1.458	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	44982	5.175	ug/l #	49
37) Ethyl Acetate	7.269	43	17710	1.682	ug/l #	67
38) Carbon Tetrachloride	8.022	117	64969	6.540	ug/l #	17
40) Benzene	8.398	78	13984	0.510	ug/l #	78
43) Isopropyl Acetate	8.581	43	37744	2.516	ug/l #	53
52) Toluene	10.445	92	134611	7.156	ug/l	100
67) Ethyl Benzene	11.786	91	157868	4.463	ug/l	100
68) m/p-Xylenes	11.892	106	98051	6.823	ug/l	97
69) o-Xylene	12.222	106	17667	1.226	ug/l	100
73) Isopropylbenzene	12.522	105	32762	0.793	ug/l	97
76) 1,2,3-Trichloropropane	12.674	75	234756	19.896	ug/l #	1
77) Bromobenzene	12.680	156	38268	3.420	ug/l #	1
78) n-propylbenzene	12.863	91	58612	1.330	ug/l	97
80) 1,3,5-Trimethylbenzene	13.004	105	30497	0.907	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.674	75	234756	56.589	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.310	105	113919	3.393	ug/l	100
85) sec-Butylbenzene	13.310	105	113919	2.840	ug/l #	56
90) Hexachloroethane	14.157	117	1525	0.244	ug/l #	9
95) Naphthalene	15.433	128	238715	6.004	ug/l	99

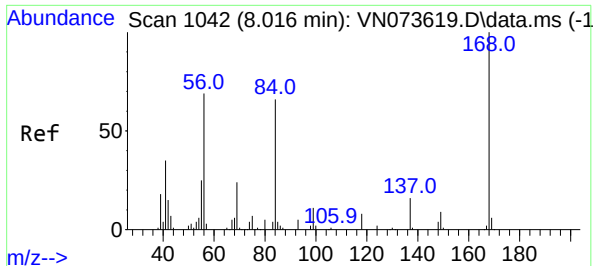
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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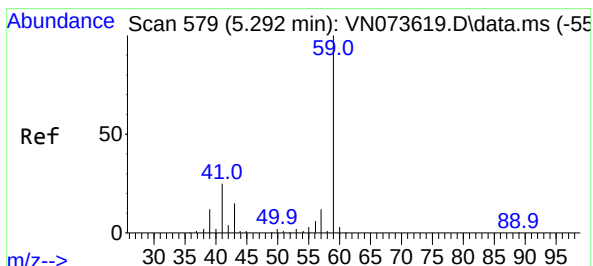
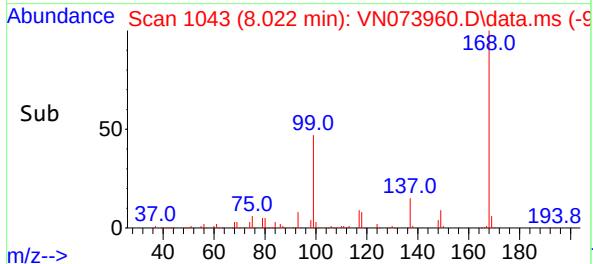
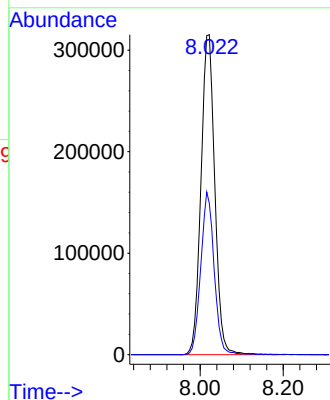
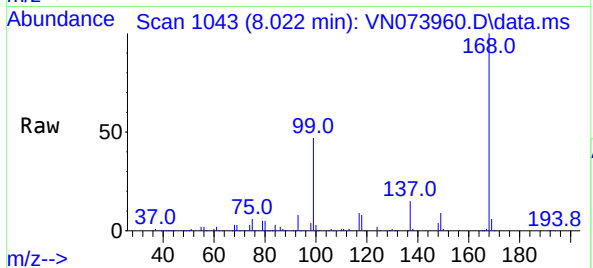




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

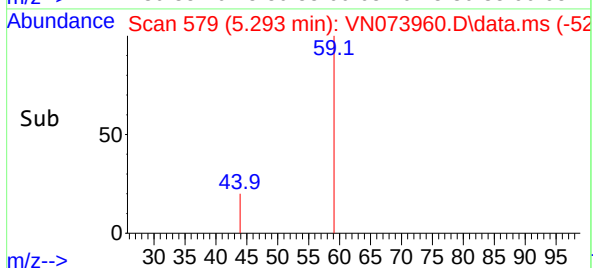
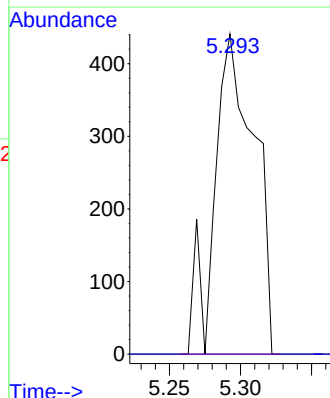
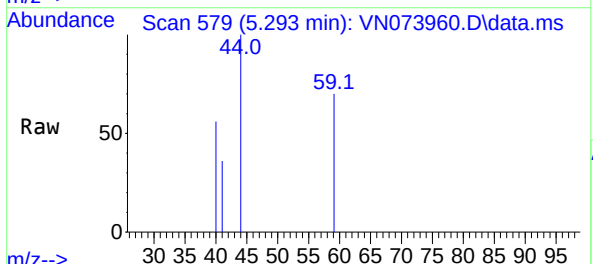
Instrument :
MSVOA_N
ClientSampleId :
61023

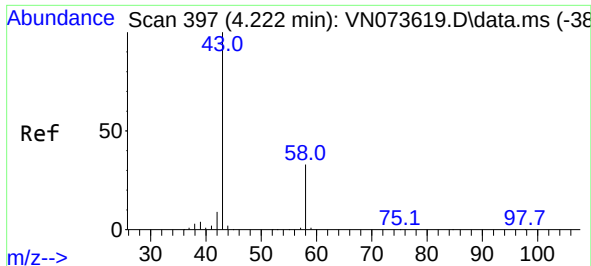
Tgt Ion:168 Resp: 726698
Ion Ratio Lower Upper
168 100
99 47.3 42.3 63.5



#11
Tert butyl alcohol
Concen: 0.543 ug/l
RT: 5.293 min Scan# 579
Delta R.T. 0.001 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

Tgt Ion: 59 Resp: 860
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

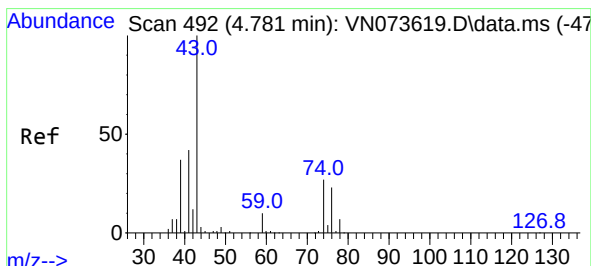
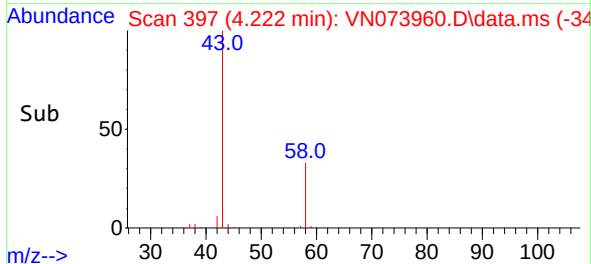
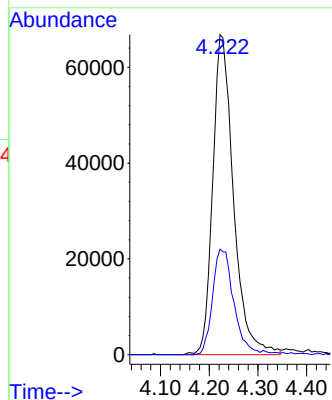
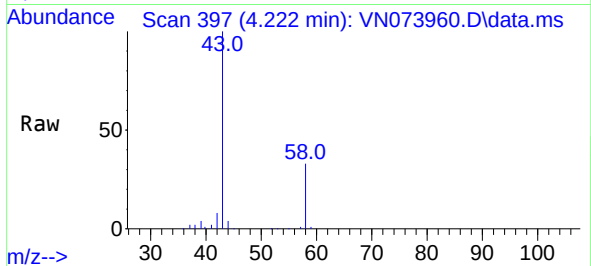




#16
Acetone
Concen: 59.185 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.000 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

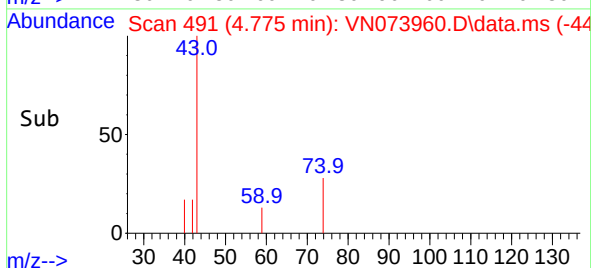
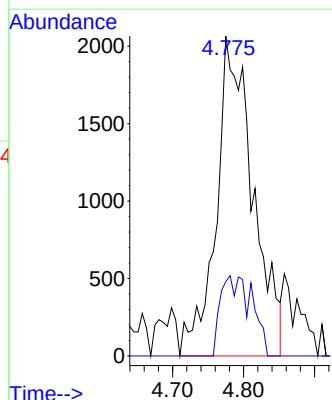
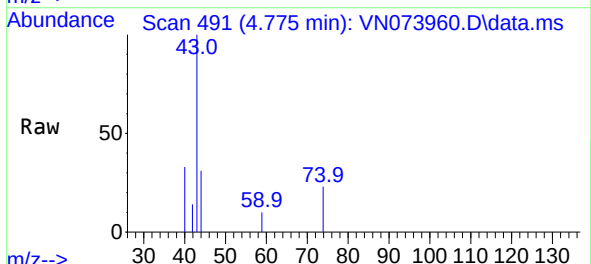
Instrument :
MSVOA_N
ClientSampleId :
61023

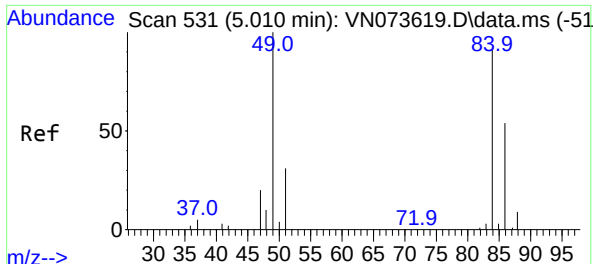
Tgt Ion: 43 Resp: 197638
Ion Ratio Lower Upper
43 100
58 32.9 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.775 min Scan# 491
Delta R.T. -0.006 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

Tgt Ion: 43 Resp: 7384
Ion Ratio Lower Upper
43 100
74 21.5 21.6 32.4#



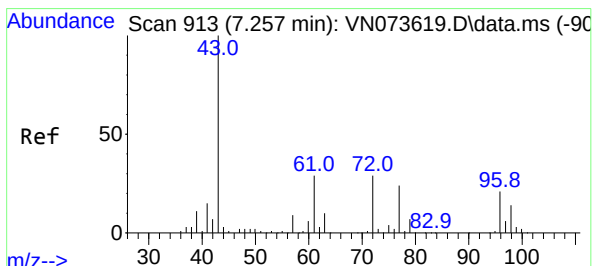
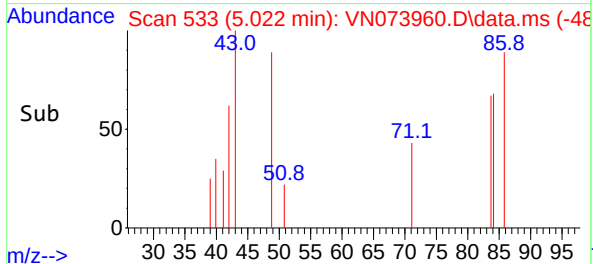
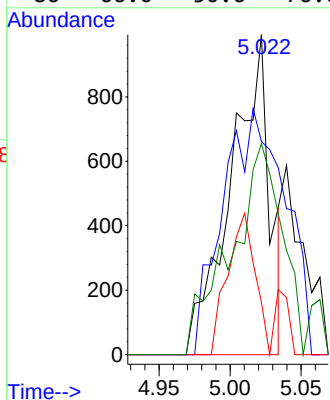
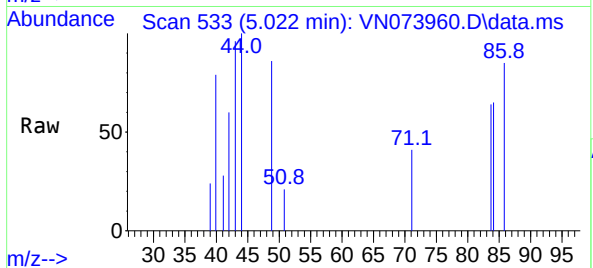


#20
Methylene Chloride
Concen: 0.268 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

Instrument :
MSVOA_N
ClientSampleId :
61023

Tgt Ion: 84 Resp: 1888

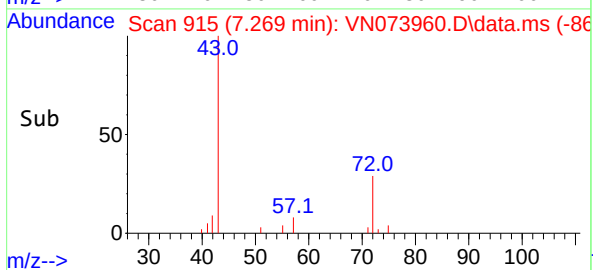
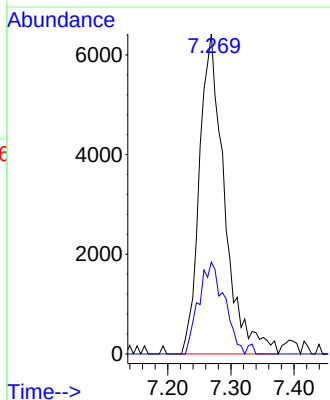
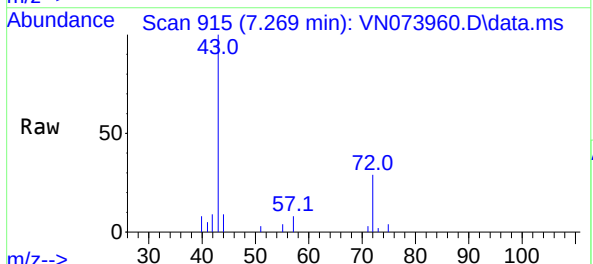
Ion	Ratio	Lower	Upper
84	100		
49	66.7	88.3	132.5#
51	16.4	28.2	42.2#
86	66.0	50.6	76.0

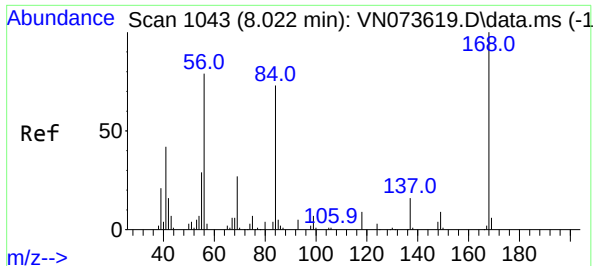


#25
2-Butanone
Concen: 3.345 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

Tgt Ion: 43 Resp: 17710

Ion	Ratio	Lower	Upper
43	100		
72	28.7	23.7	35.5

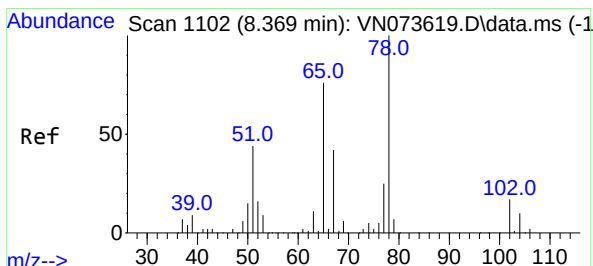
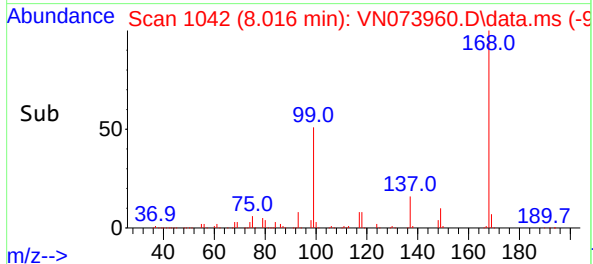
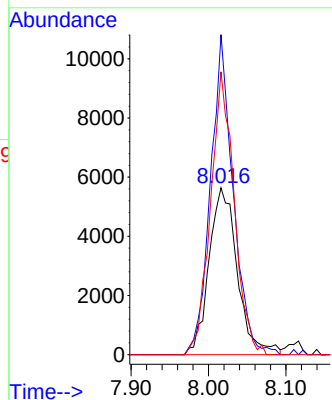
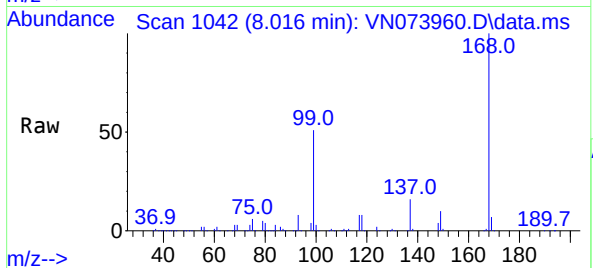




#31
Cyclohexane
Concen: 1.458 ug/l
RT: 8.016 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

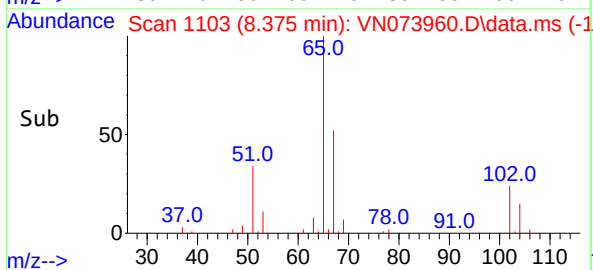
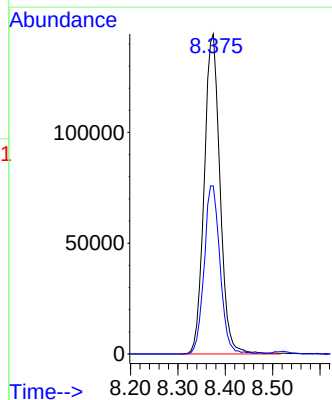
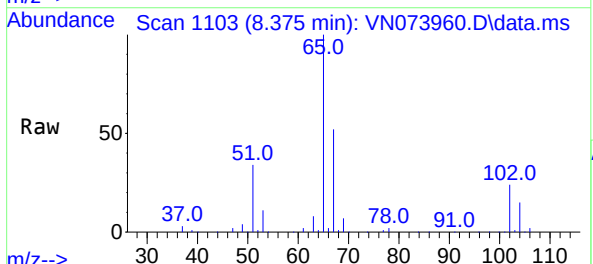
Instrument :
MSVOA_N
ClientSampleId :
61023

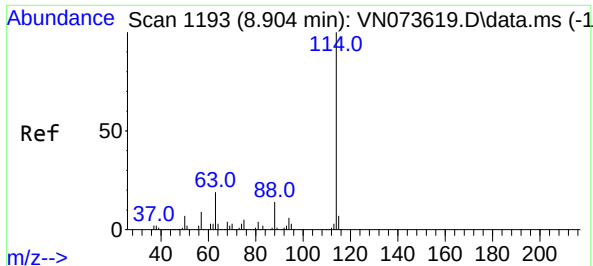
Tgt Ion: 56 Resp: 14387
Ion Ratio Lower Upper
56 100
69 191.8 27.8 41.8#
84 169.5 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 47.260 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

Tgt Ion: 65 Resp: 334507
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073960.D

Acq: 16 Aug 2022 19:54

Instrument :

MSVOA_N

ClientSampleId :

61023

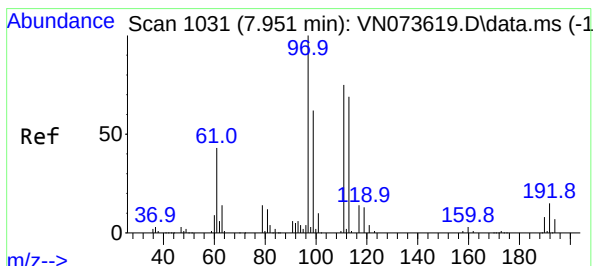
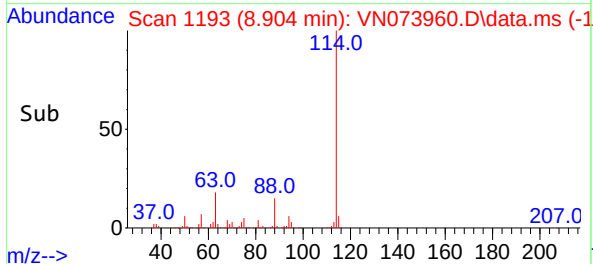
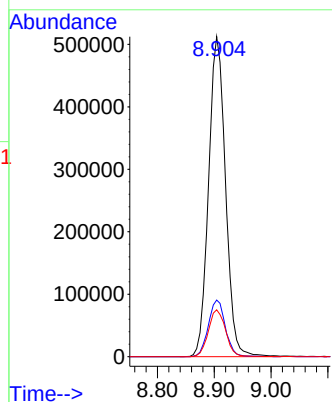
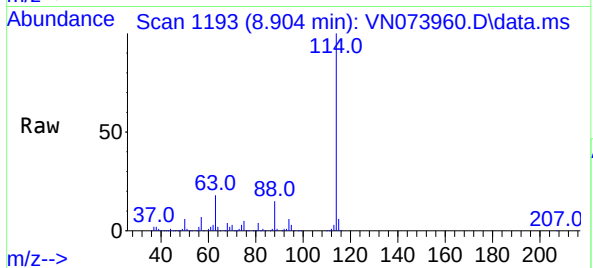
Tgt Ion:114 Resp: 1058098

Ion Ratio Lower Upper

114 100

63 17.7 0.0 40.0

88 14.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.746 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073960.D

Acq: 16 Aug 2022 19:54

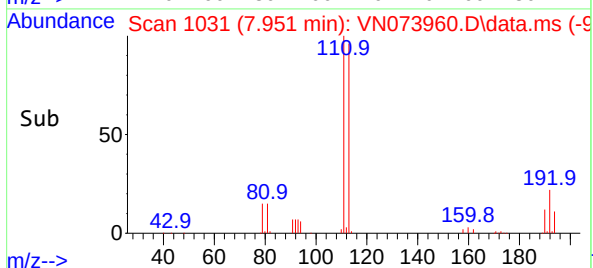
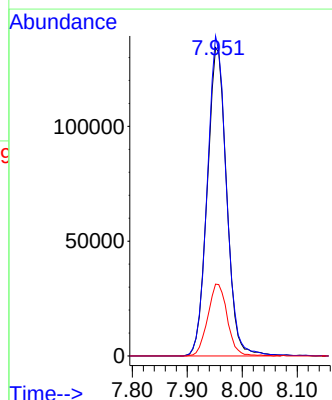
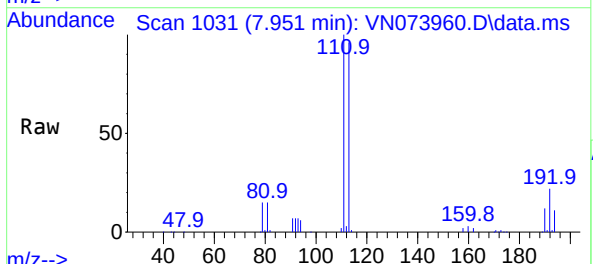
Tgt Ion:113 Resp: 330055

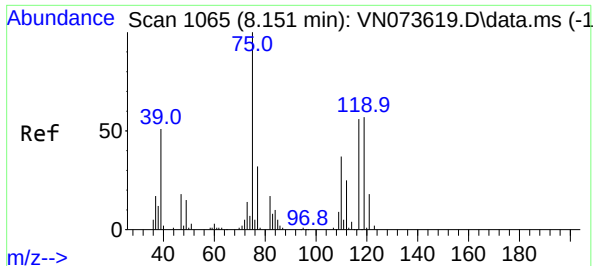
Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

192 23.5 17.0 25.6

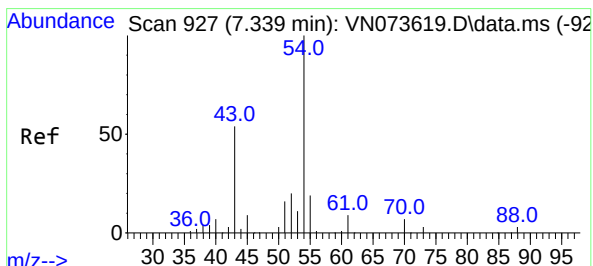
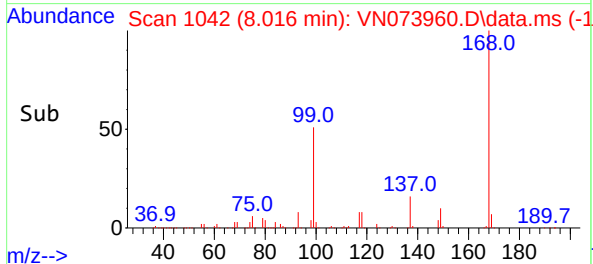
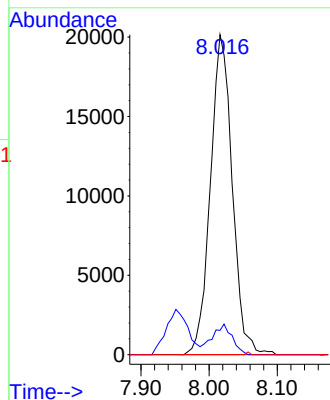
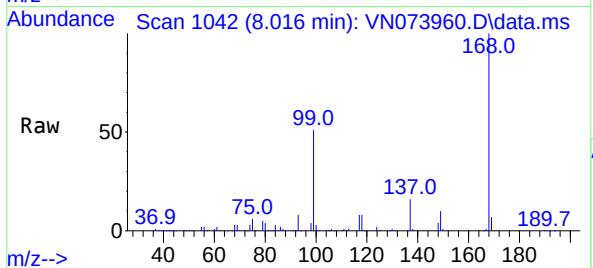




#36
1,1-Dichloropropene
Concen: 5.175 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

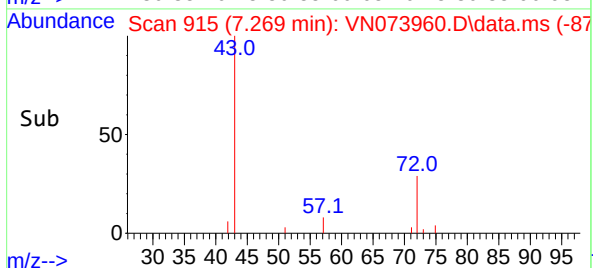
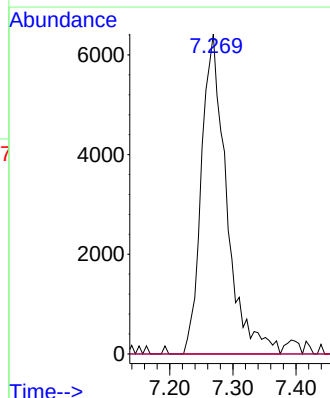
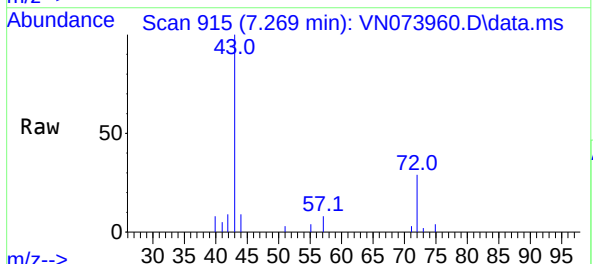
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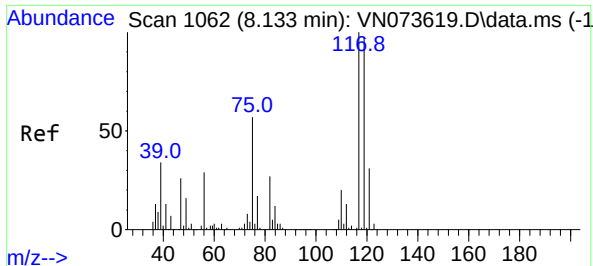
Tgt Ion: 75 Resp: 44982
Ion Ratio Lower Upper
75 100
110 8.8 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 1.682 ug/l
RT: 7.269 min Scan# 915
Delta R.T. -0.070 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

Tgt Ion: 43 Resp: 17710
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#

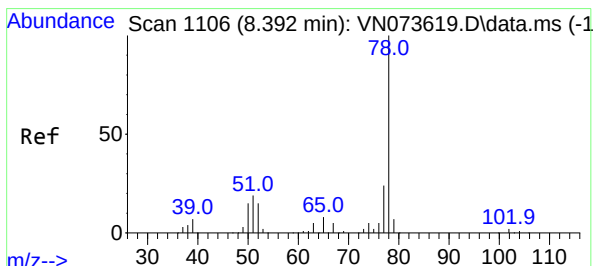
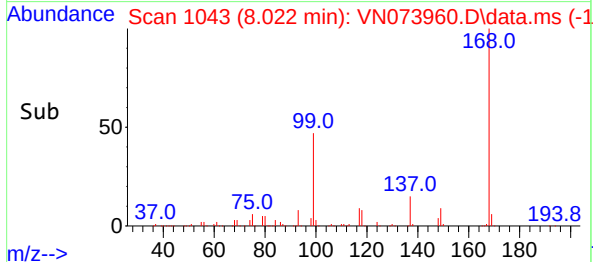
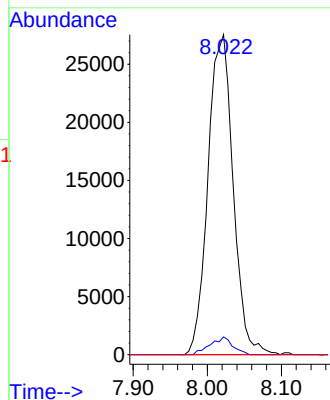
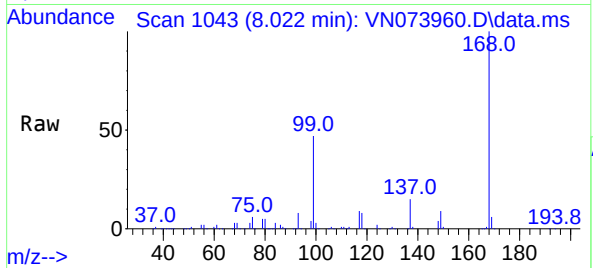




#38
Carbon Tetrachloride
Concen: 6.540 ug/l
RT: 8.022 min Scan# 1107
Delta R.T. -0.111 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

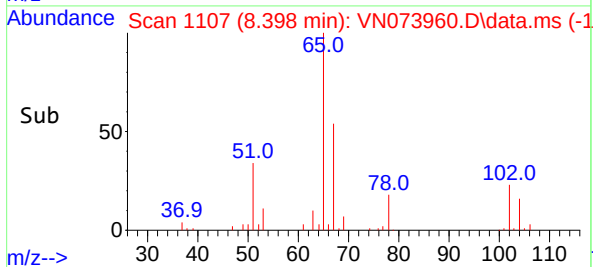
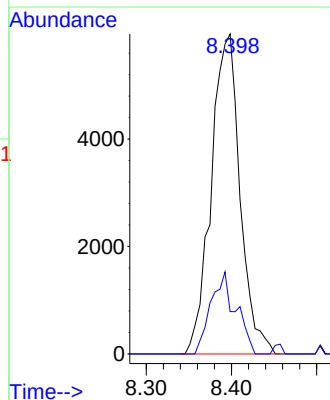
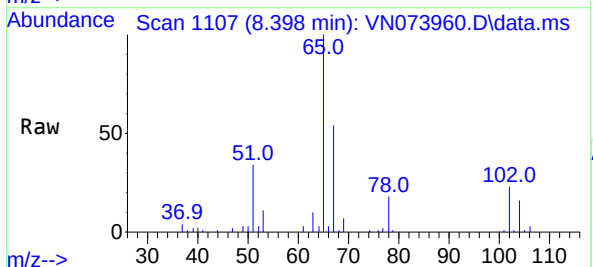
Instrument :
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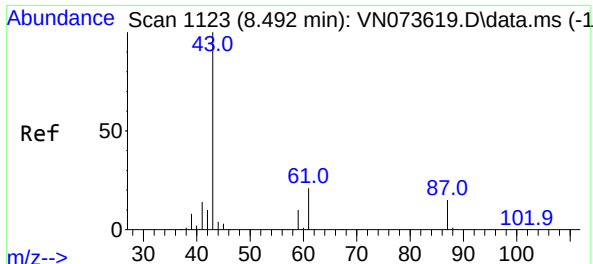
Tgt Ion:117 Resp: 64969
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.510 ug/l
RT: 8.398 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

Tgt Ion: 78 Resp: 13984
Ion Ratio Lower Upper
78 100
77 13.3 19.4 29.0#





#43

Isopropyl Acetate

Concen: 2.516 ug/l

RT: 8.581 min Scan# 1123

Delta R.T. 0.089 min

Lab File: VN073960.D

Acq: 16 Aug 2022 19:54

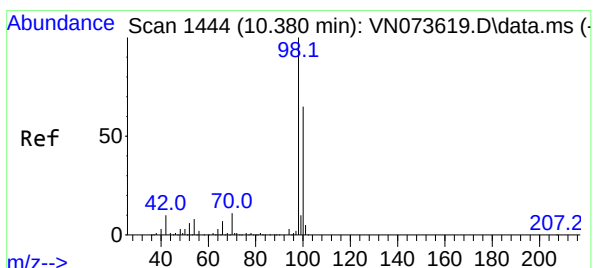
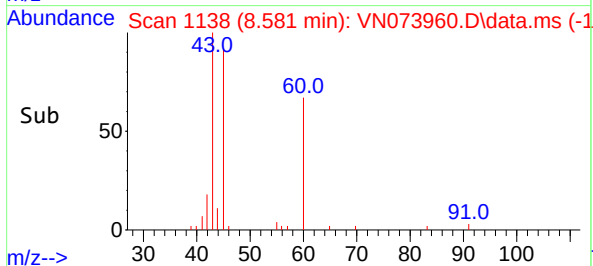
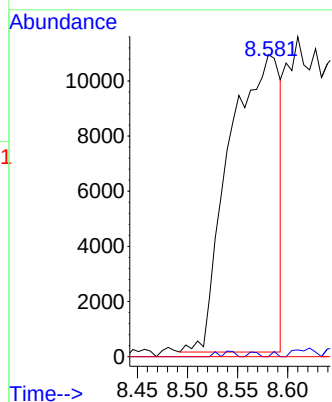
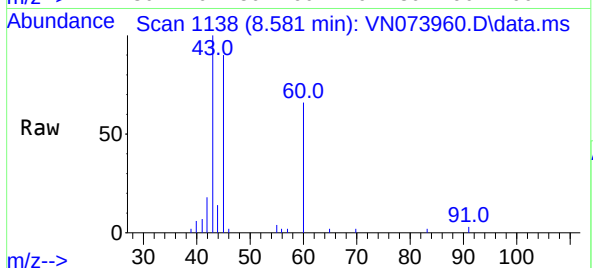
Instrument :

MSVOA_N

ClientSampleId :

61023

Tgt Ion:	43	Resp:	37744
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.9	32.9#
87	0.0	12.0	18.0#



#50

Toluene-d8

Concen: 45.394 ug/l

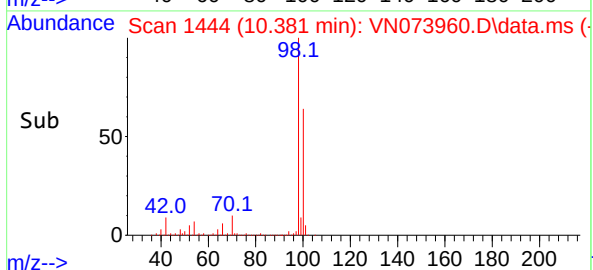
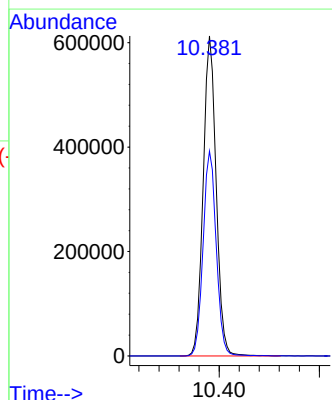
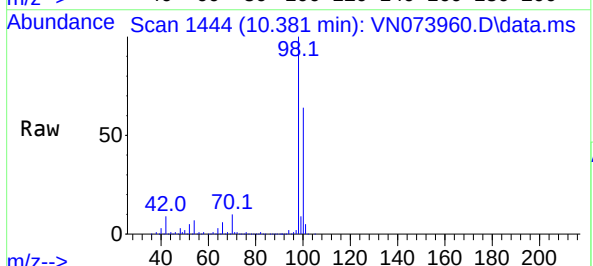
RT: 10.381 min Scan# 1444

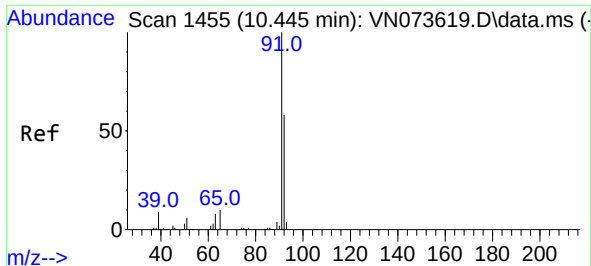
Delta R.T. 0.001 min

Lab File: VN073960.D

Acq: 16 Aug 2022 19:54

Tgt Ion:	98	Resp:	1100107
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.6	78.8

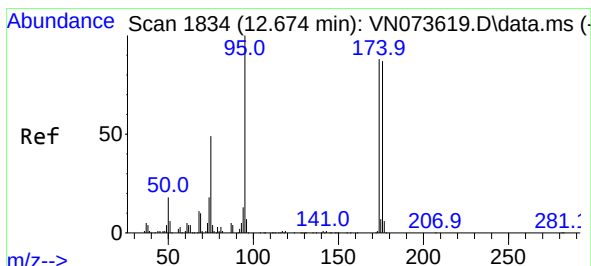
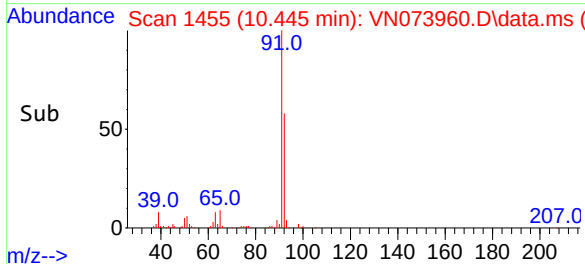
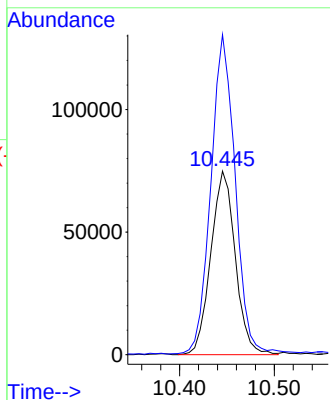
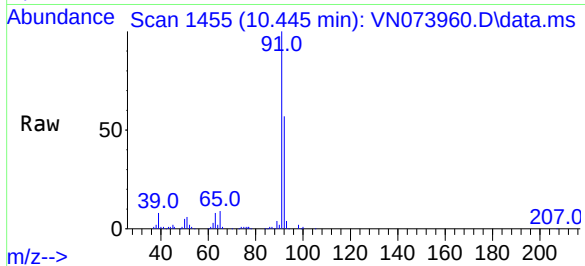




#52
Toluene
Concen: 7.156 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

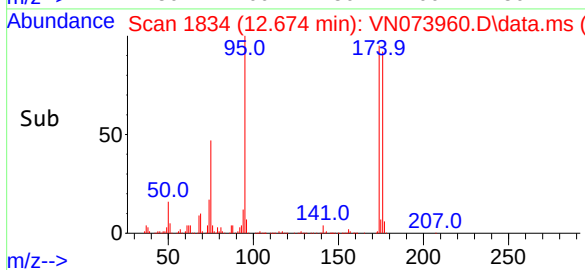
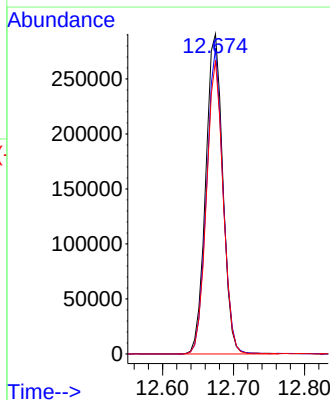
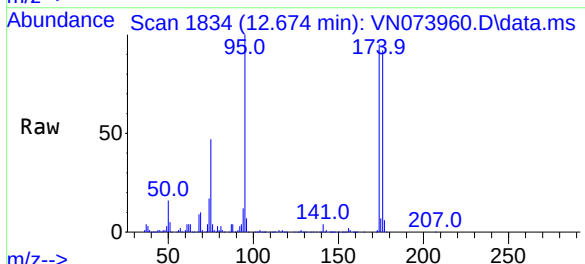
Instrument :
MSVOA_N
ClientSampleId :
61023

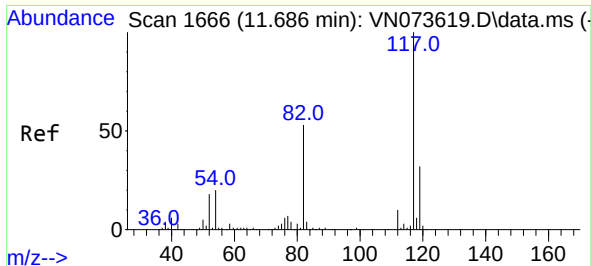
Tgt Ion: 92 Resp: 134611
Ion Ratio Lower Upper
92 100
91 173.0 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 60.583 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

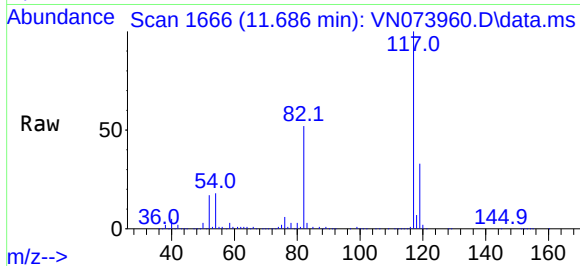
Tgt Ion: 95 Resp: 487275
Ion Ratio Lower Upper
95 100
174 91.9 0.0 167.6
176 89.1 0.0 163.4





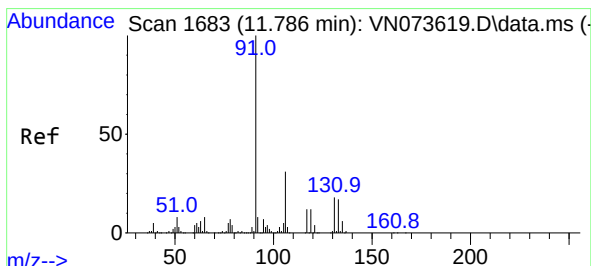
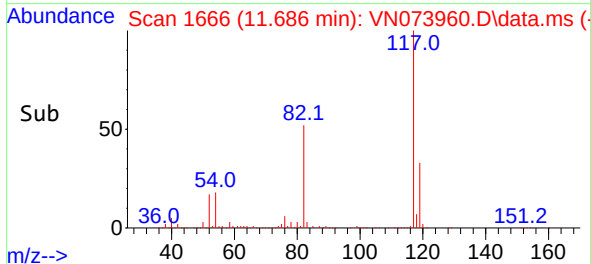
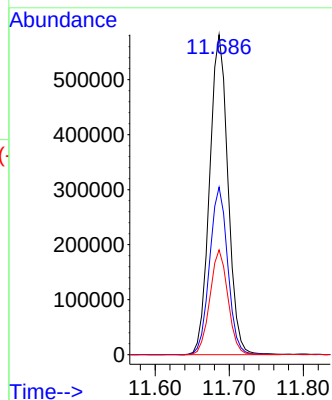
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

Instrument :
MSVOA_N
ClientSampleId :
61023



Tgt Ion:117 Resp: 1000753

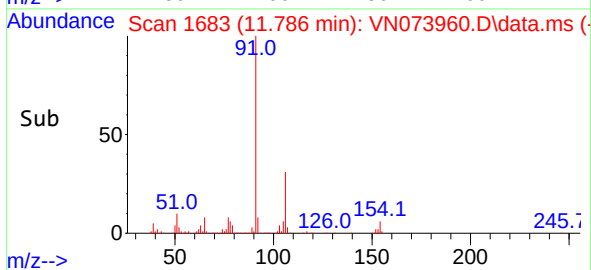
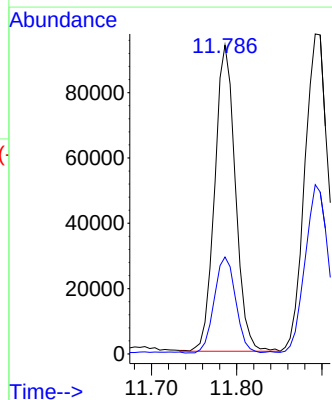
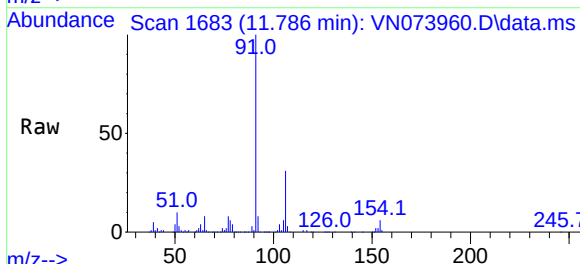
Ion	Ratio	Lower	Upper
117	100		
82	52.4	44.2	66.2
119	32.8	25.4	38.0

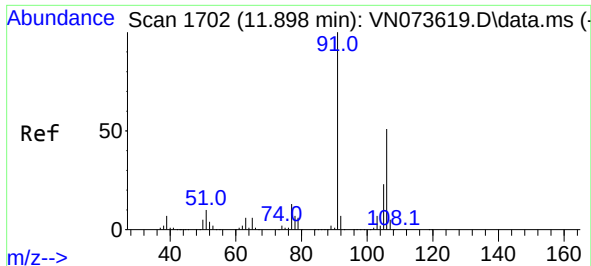


#67
Ethyl Benzene
Concen: 4.463 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

Tgt Ion: 91 Resp: 157868

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.9	37.3

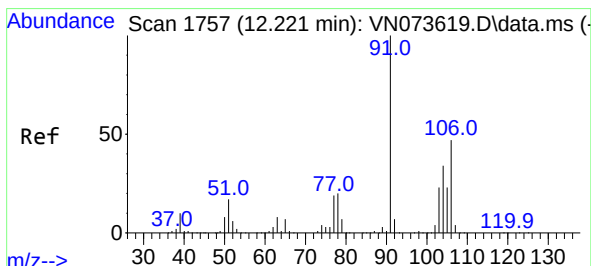
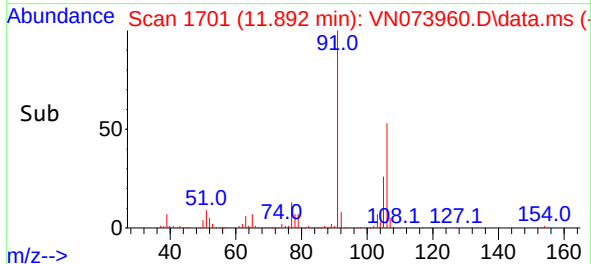
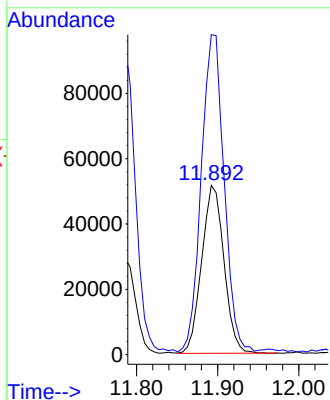
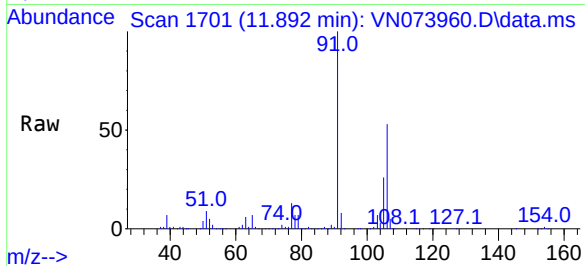




#68
m/p-Xylenes
Concen: 6.823 ug/l
RT: 11.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

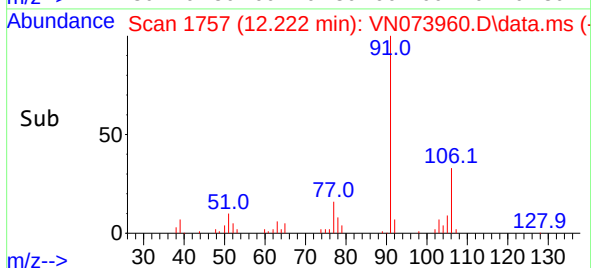
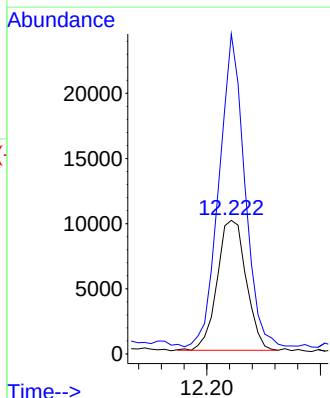
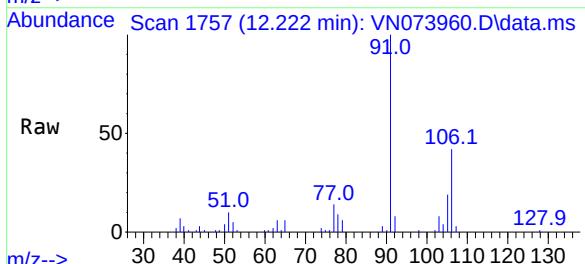
Instrument :
MSVOA_N
ClientSampleId :
61023

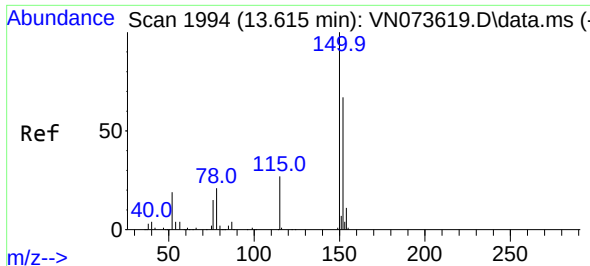
Tgt Ion:106 Resp: 98051
Ion Ratio Lower Upper
106 100
91 193.5 158.9 238.3



#69
o-Xylene
Concen: 1.226 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.001 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

Tgt Ion:106 Resp: 17667
Ion Ratio Lower Upper
106 100
91 212.8 106.0 318.0

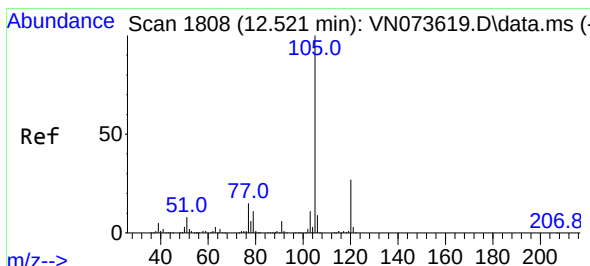
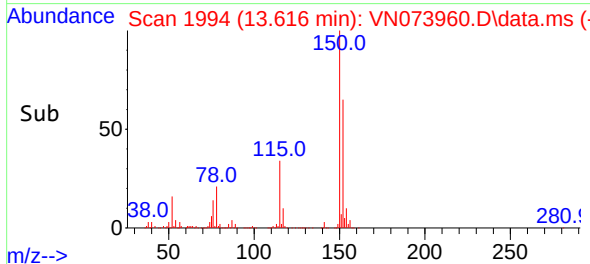
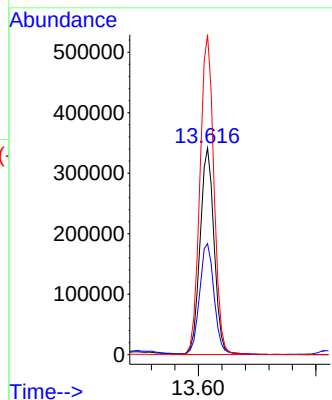
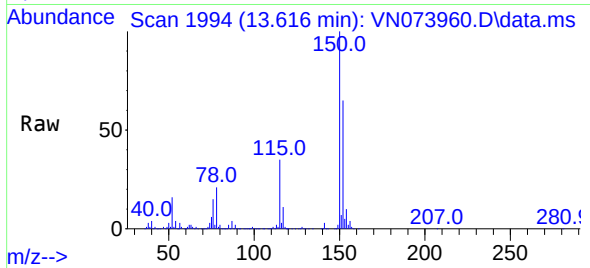




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

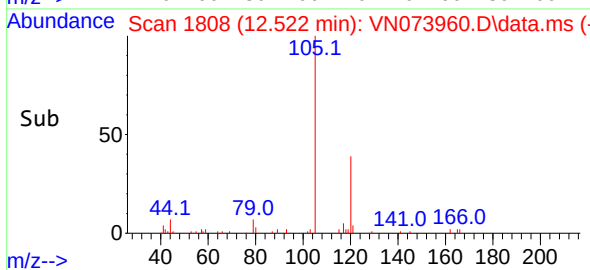
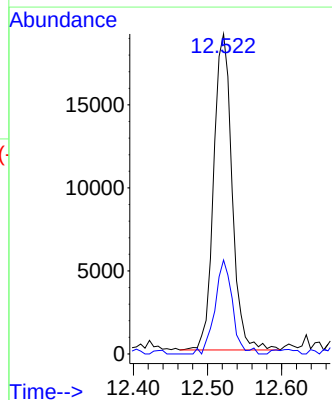
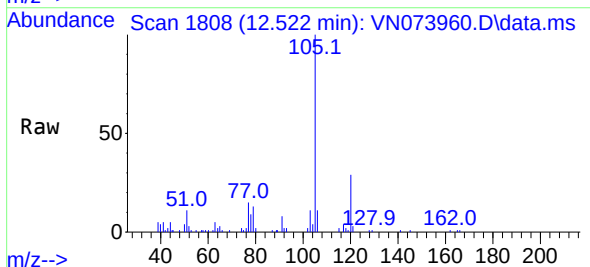
Instrument :
MSVOA_N
ClientSampleId :
61023

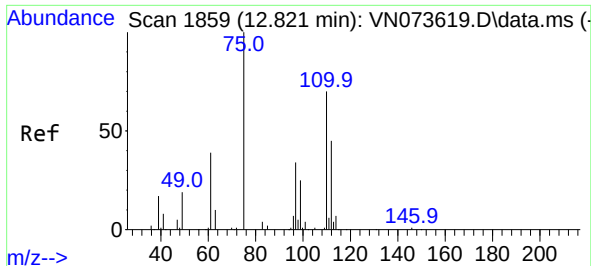
Tgt Ion:152 Resp: 567670
Ion Ratio Lower Upper
152 100
115 55.9 28.9 86.7
150 154.2 0.0 356.2



#73
Isopropylbenzene
Concen: 0.793 ug/l
RT: 12.522 min Scan# 1808
Delta R.T. 0.001 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

Tgt Ion:105 Resp: 32762
Ion Ratio Lower Upper
105 100
120 28.2 13.5 40.4

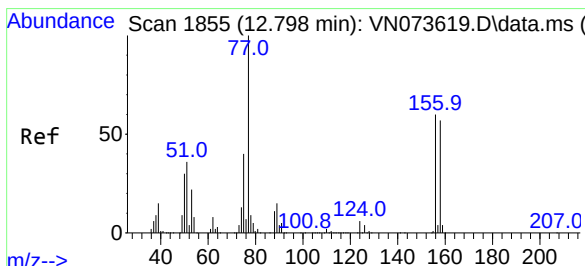
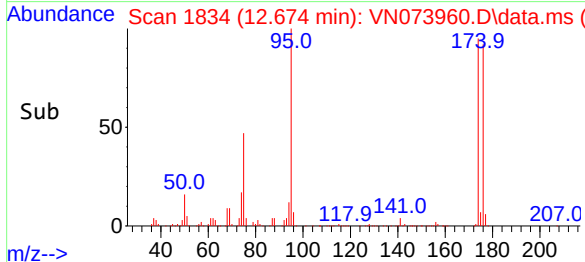
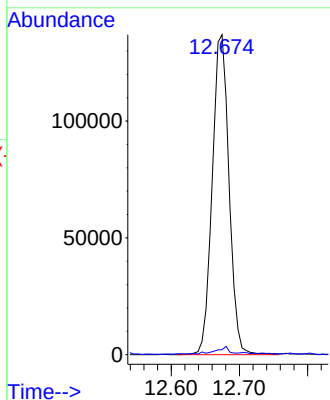
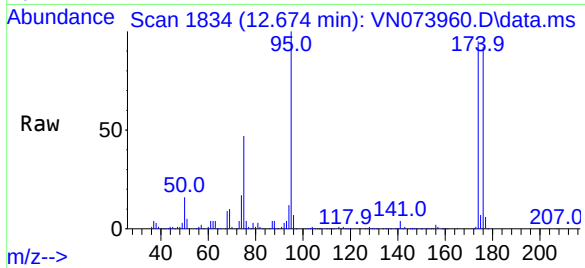




#76
1,2,3-Trichloropropane
Concen: 19.896 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

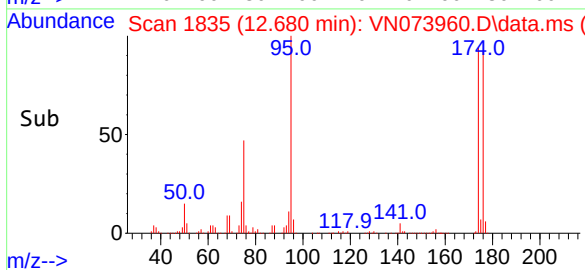
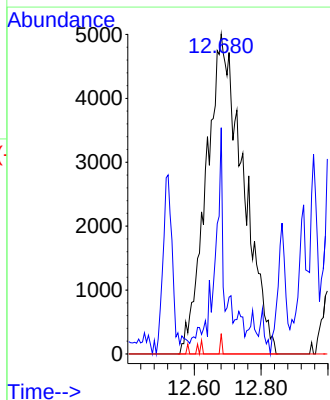
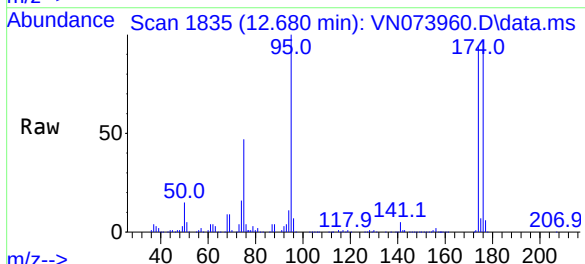
Instrument :
MSVOA_N
ClientSampleId :
61023

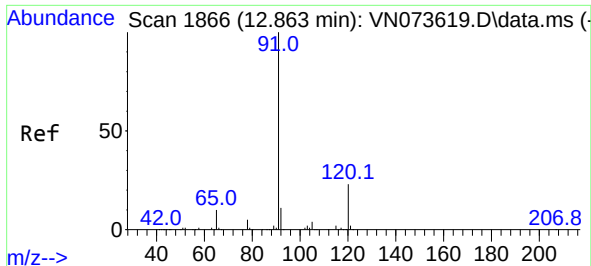
Tgt Ion: 75 Resp: 234756
Ion Ratio Lower Upper
75 100
77 1.6 98.5 295.5#



#77
Bromobenzene
Concen: 3.420 ug/l
RT: 12.680 min Scan# 1835
Delta R.T. -0.118 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

Tgt Ion:156 Resp: 38268
Ion Ratio Lower Upper
156 100
77 9.8 100.5 301.5#
158 0.3 48.9 146.6#

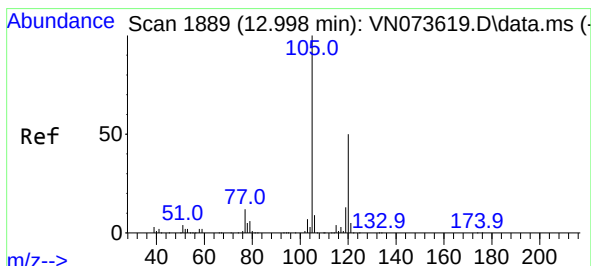
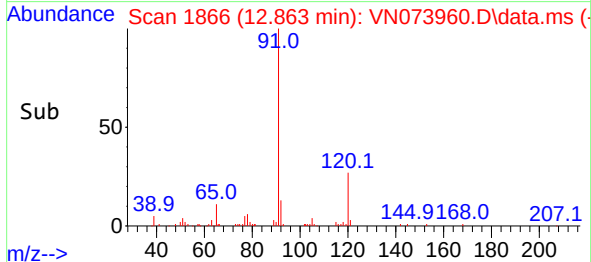
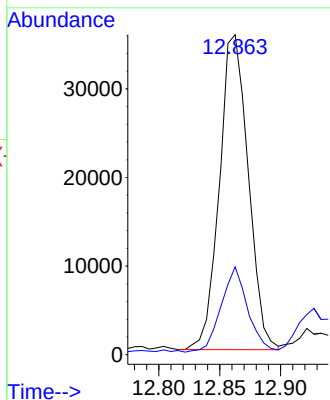
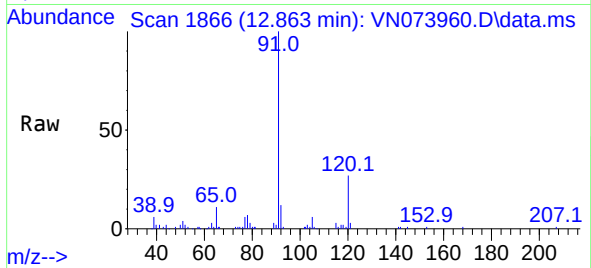




#78
n-propylbenzene
Concen: 1.330 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

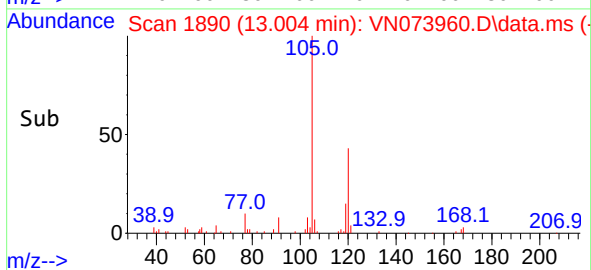
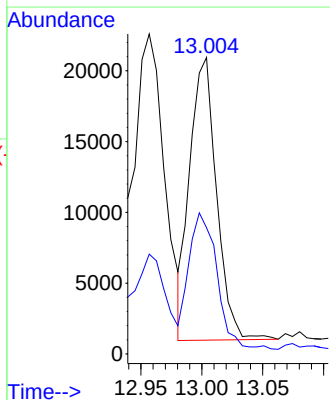
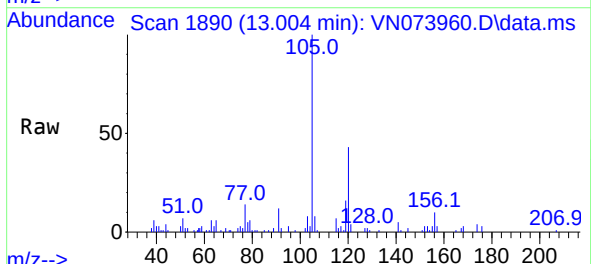
Instrument :
MSVOA_N
ClientSampleId :
61023

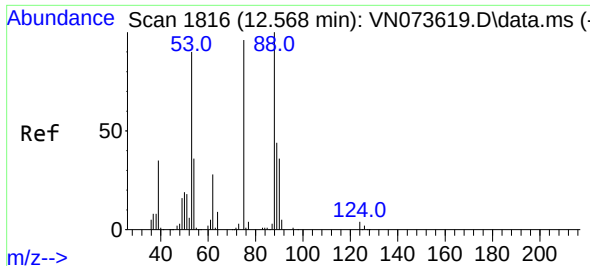
Tgt Ion: 91 Resp: 58612
Ion Ratio Lower Upper
91 100
120 25.0 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 0.907 ug/l
RT: 13.004 min Scan# 1890
Delta R.T. 0.006 min
Lab File: VN073960.D
Acq: 16 Aug 2022 19:54

Tgt Ion: 105 Resp: 30497
Ion Ratio Lower Upper
105 100
120 51.0 24.9 74.7

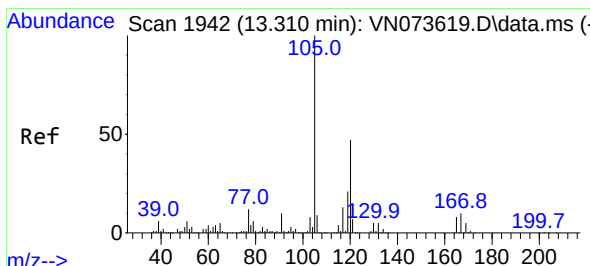
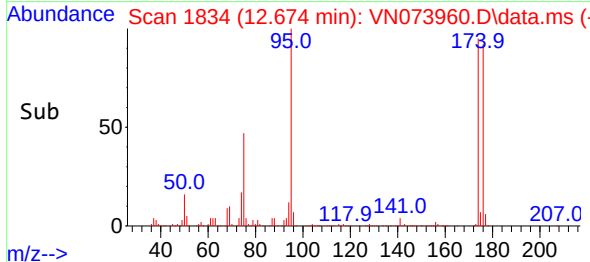
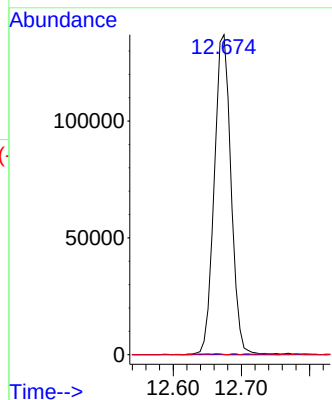
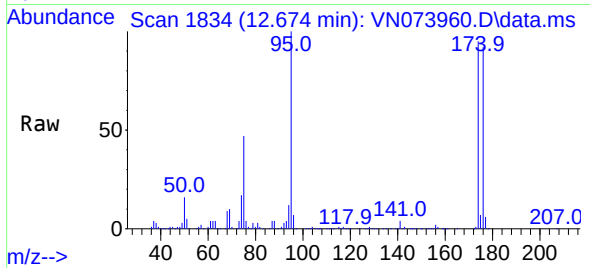




#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.589 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. 0.106 min
 Lab File: VN073960.D
 Acq: 16 Aug 2022 19:54

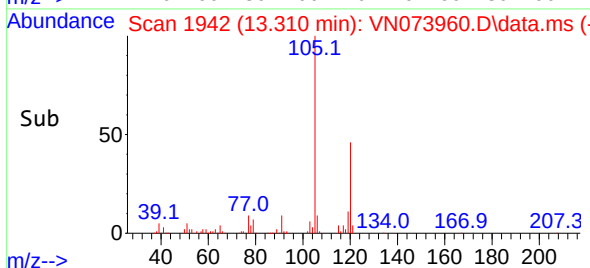
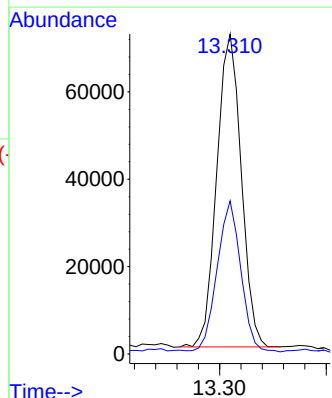
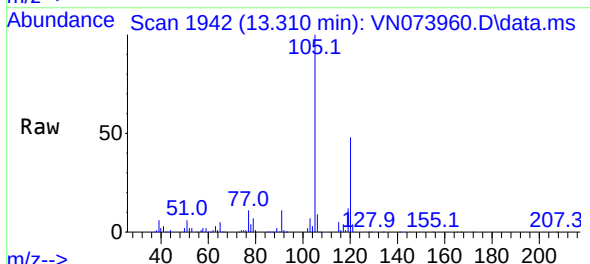
Instrument :
 MSVOA_N
 ClientSampleId :
 61023

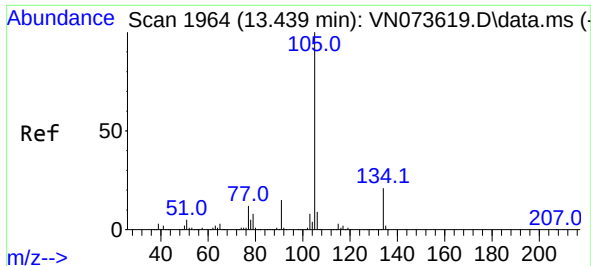
Tgt Ion: 75 Resp: 234756
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.4 37.2 55.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 3.393 ug/l
 RT: 13.310 min Scan# 1942
 Delta R.T. -0.000 min
 Lab File: VN073960.D
 Acq: 16 Aug 2022 19:54

Tgt Ion: 105 Resp: 113919
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.3 69.8

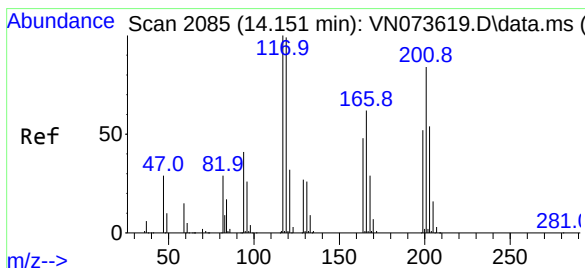
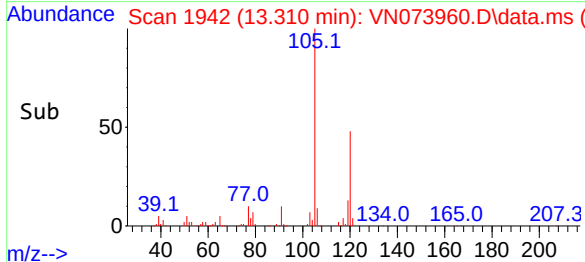
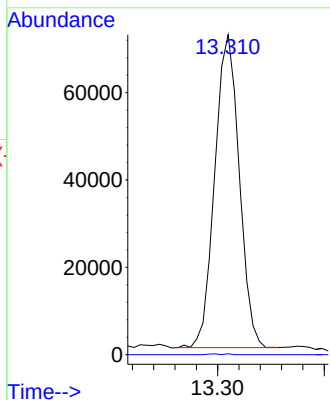
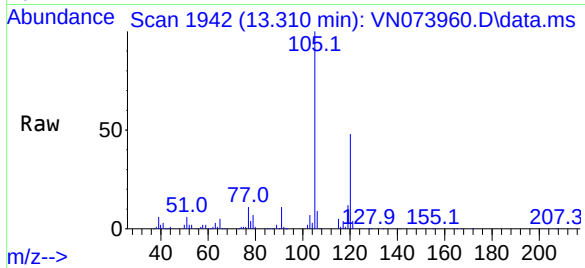




#85
 sec-Butylbenzene
 Concen: 2.840 ug/l
 RT: 13.310 min Scan# 1964
 Delta R.T. -0.129 min
 Lab File: VN073960.D
 Acq: 16 Aug 2022 19:54

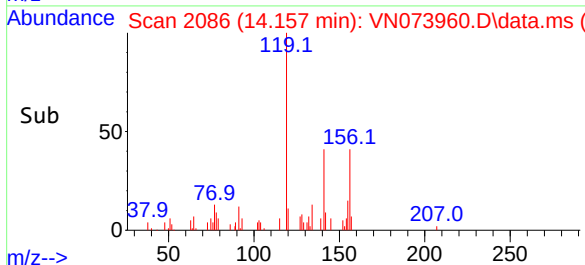
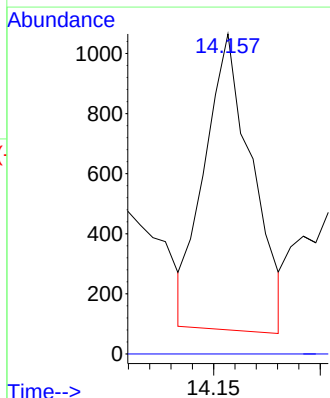
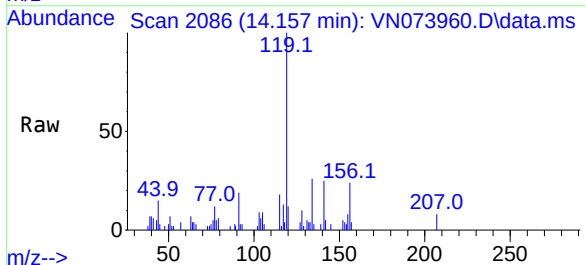
Instrument :
 MSVOA_N
 ClientSampleId :
 61023

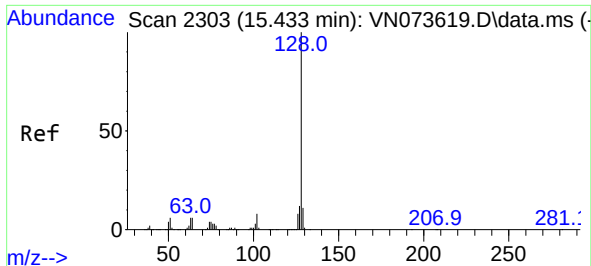
Tgt Ion:105 Resp: 113919
 Ion Ratio Lower Upper
 105 100
 134 0.1 10.4 31.1#



#90
 Hexachloroethane
 Concen: 0.244 ug/l
 RT: 14.157 min Scan# 2086
 Delta R.T. 0.006 min
 Lab File: VN073960.D
 Acq: 16 Aug 2022 19:54

Tgt Ion:117 Resp: 1525
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.6 122.0#





#95

Naphthalene

Concen: 6.004 ug/l

RT: 15.433 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN073960.D

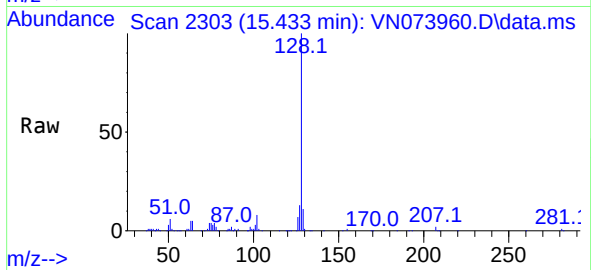
Acq: 16 Aug 2022 19:54

Instrument :

MSVOA_N

ClientSampleId :

61023



Tgt Ion:128 Resp: 238715

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

129 11.0 8.6 13.0

