

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080122\
 Data File : VN073660.D
 Acq On : 01 Aug 2022 15:19
 Operator : JC\MD
 Sample : N3974-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 02 05:01:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

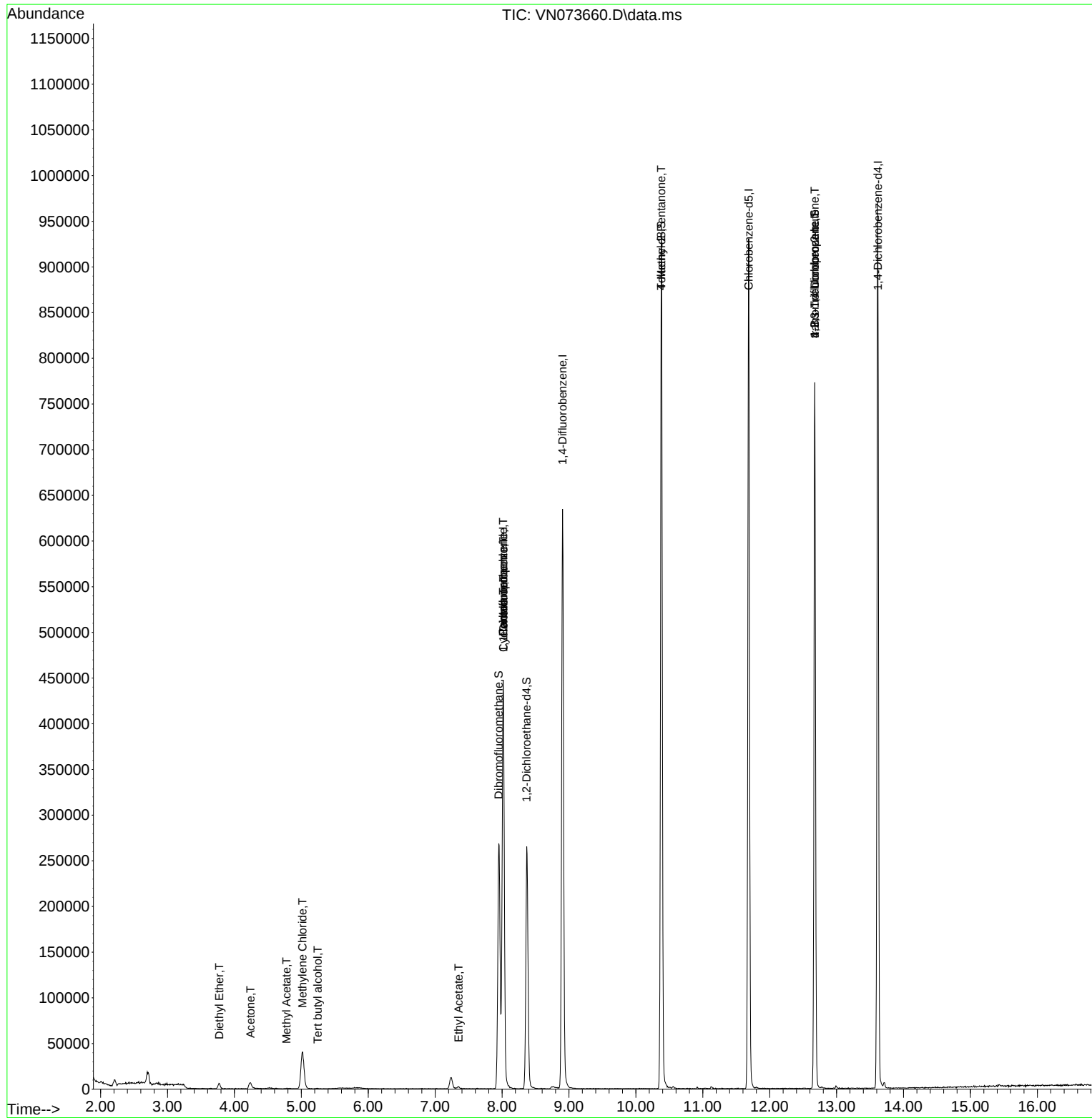
Internal Standards						
1) Pentafluorobenzene	8.016	168	359070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	580209	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	558697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	270621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	217275	49.653	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.300%
35) Dibromofluoromethane	7.951	113	200370	54.996	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	110.000%
50) Toluene-d8	10.380	98	666109	46.461	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.920%
62) 4-Bromofluorobenzene	12.674	95	249417	51.725	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.440%
Target Compounds						
					Qvalue	
3) Chloromethane	2.275	50	916	Below Cal	#	43
6) Chloroethane	2.963	64	163	Below Cal	#	42
8) Diethyl Ether	3.775	74	3235	1.372	ug/l	76
11) Tert butyl alcohol	5.245	59	242	0.256	ug/l #	72
16) Acetone	4.240	43	13550	5.765	ug/l	92
18) Methyl Acetate	4.781	43	1232	0.211	ug/l #	48
20) Methylene Chloride	5.016	84	35283	7.402	ug/l	98
31) Cyclohexane	8.022	56	6833	1.049	ug/l #	19
36) 1,1-Dichloropropene	8.022	75	26796	5.160	ug/l #	48
37) Ethyl Acetate	7.351	43	3688	0.539	ug/l #	76
38) Carbon Tetrachloride	8.016	117	33368	6.327	ug/l #	16
51) 4-Methyl-2-Pentanone	10.380	43	2750	0.415	ug/l #	1
76) 1,2,3-Trichloropropane	12.674	75	127464	24.037	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	127464	61.039	ug/l #	11

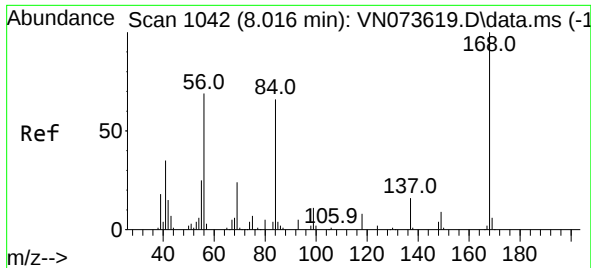
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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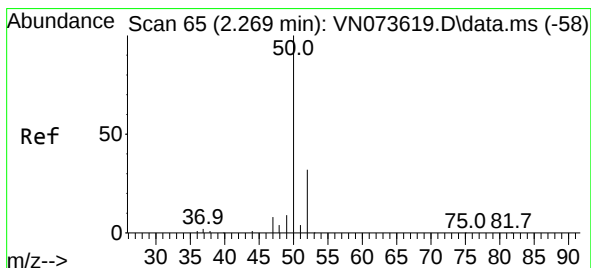
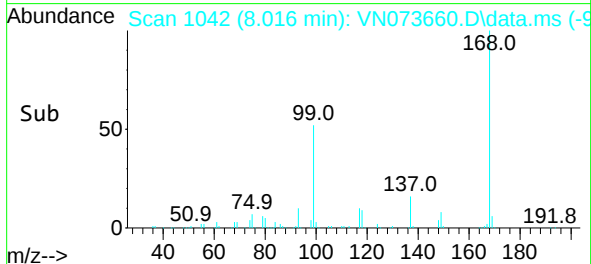
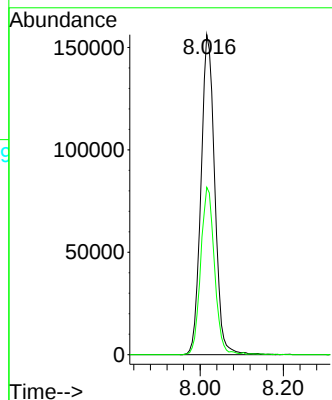
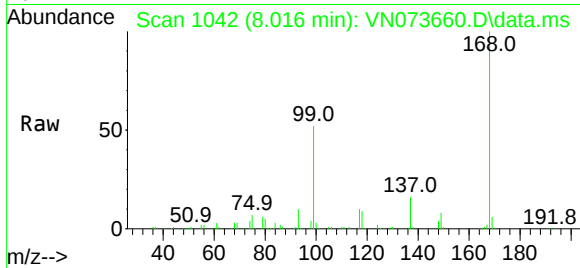




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN073660.D
Acq: 01 Aug 2022 15:19

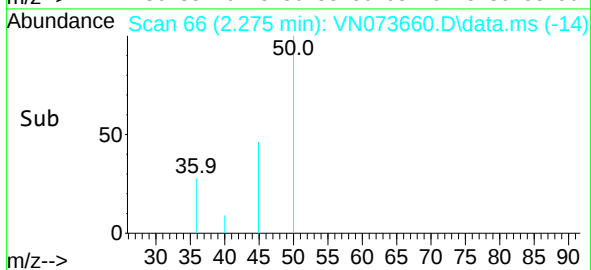
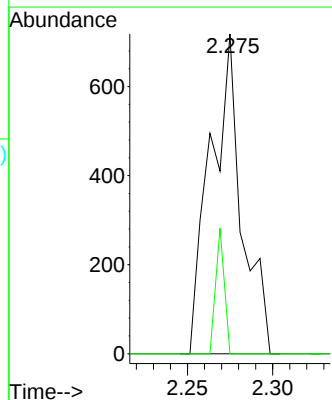
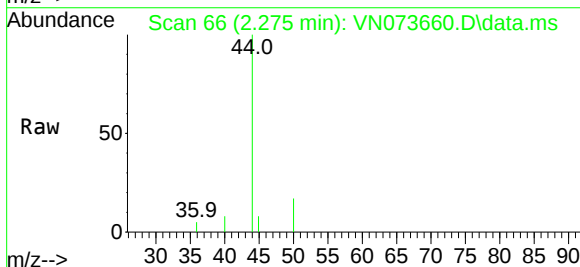
Instrument :
MSVOA_N
ClientSampleId :

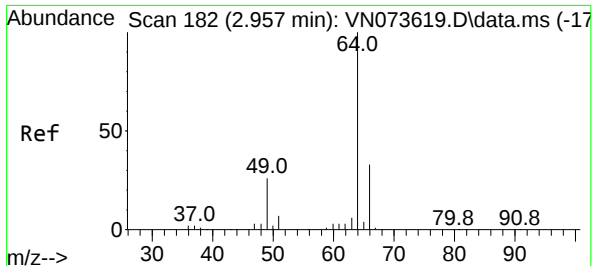
Tgt Ion:168 Resp: 359070
Ion Ratio Lower Upper
168 100
99 52.3 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.275 min Scan# 66
Delta R.T. 0.006 min
Lab File: VN073660.D
Acq: 01 Aug 2022 15:19

Tgt Ion: 50 Resp: 916
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

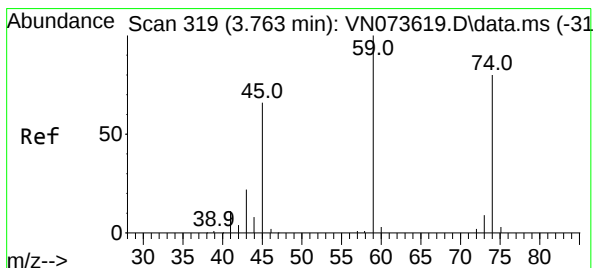
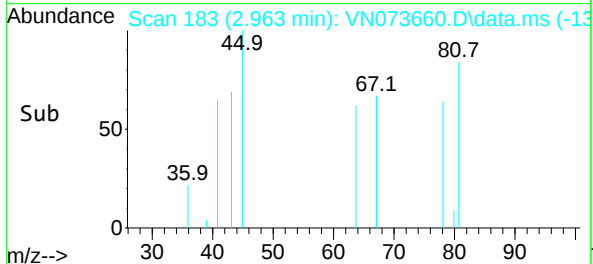
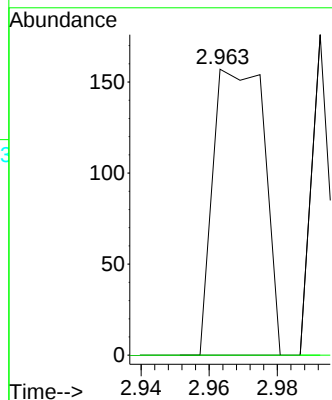
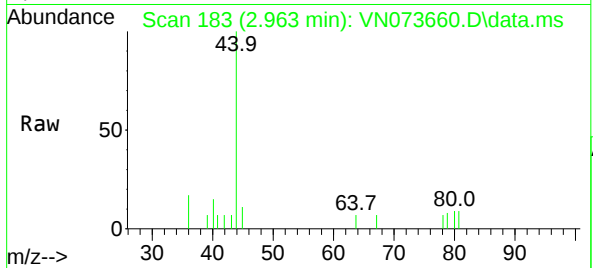




#6
Chloroethane
Concen: Below Cal
RT: 2.963 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073660.D
Acq: 01 Aug 2022 15:19

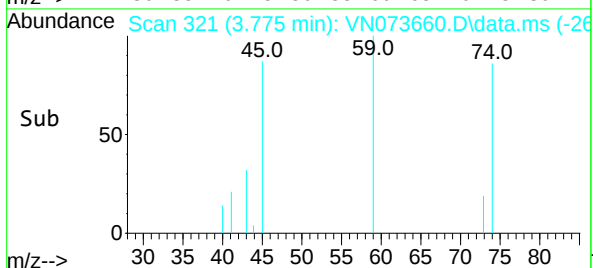
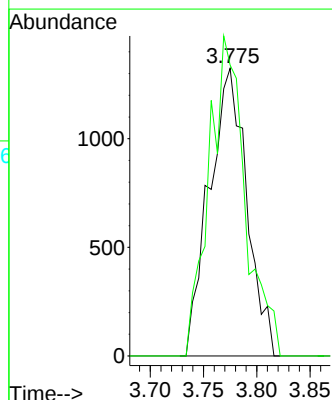
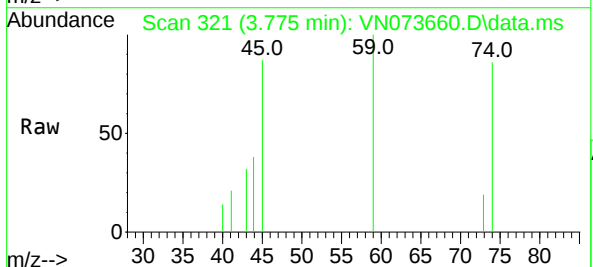
Instrument :
MSVOA_N
ClientSampleId :

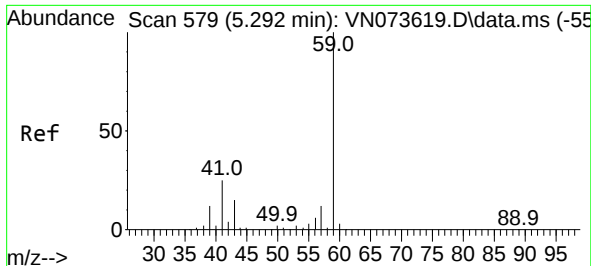
Tgt Ion: 64 Resp: 163
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#8
Diethyl Ether
Concen: 1.372 ug/l
RT: 3.775 min Scan# 321
Delta R.T. 0.012 min
Lab File: VN073660.D
Acq: 01 Aug 2022 15:19

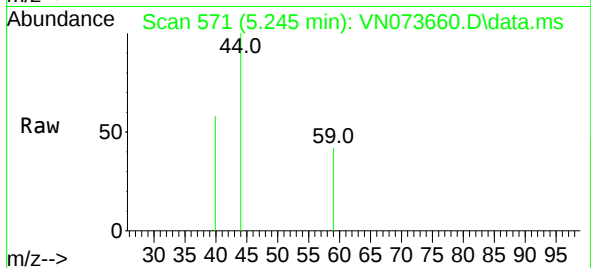
Tgt Ion: 74 Resp: 3235
Ion Ratio Lower Upper
74 100
45 107.5 42.9 128.5



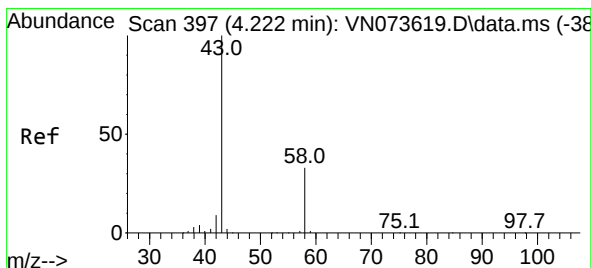
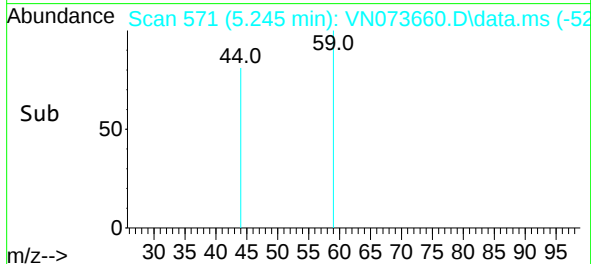
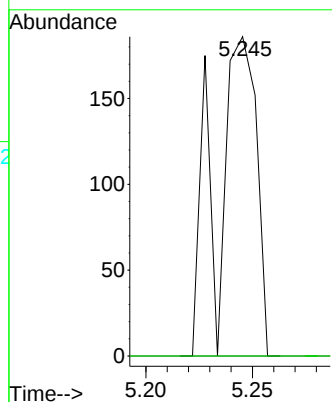


#11
Tert butyl alcohol
Concen: 0.256 ug/l
RT: 5.245 min Scan# 51
Delta R.T. -0.047 min
Lab File: VN073660.D
Acq: 01 Aug 2022 15:19

Instrument :
MSVOA_N
ClientSampleId :

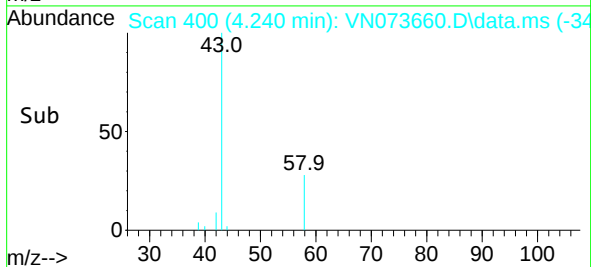
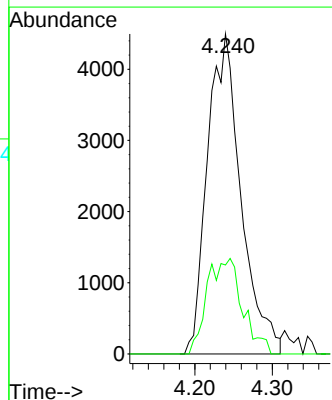
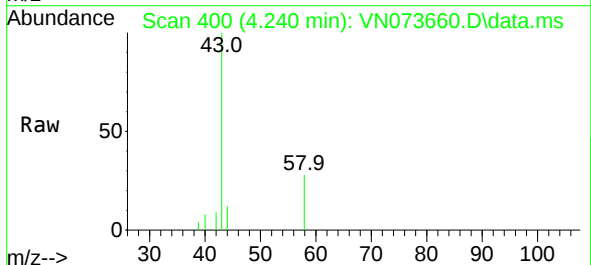


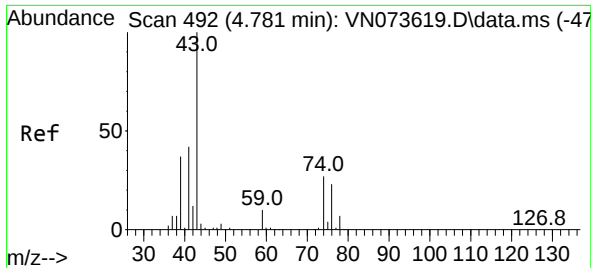
Tgt Ion: 59 Resp: 242
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 5.765 ug/l
RT: 4.240 min Scan# 400
Delta R.T. 0.018 min
Lab File: VN073660.D
Acq: 01 Aug 2022 15:19

Tgt Ion: 43 Resp: 13550
Ion Ratio Lower Upper
43 100
58 27.8 26.0 39.0

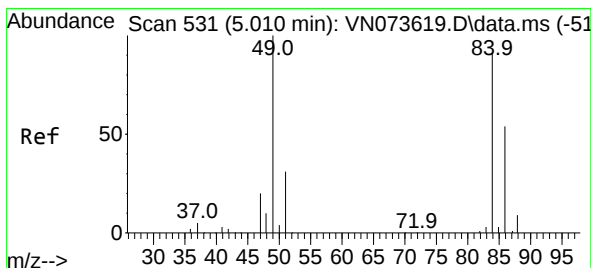
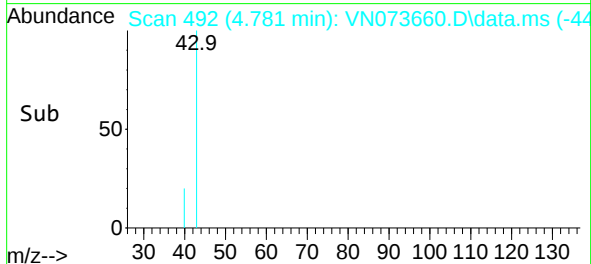
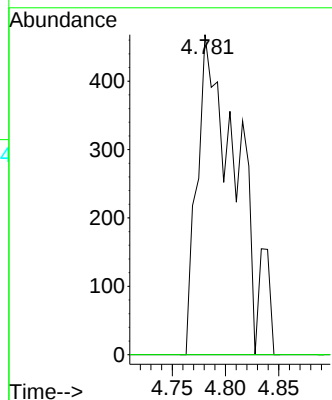
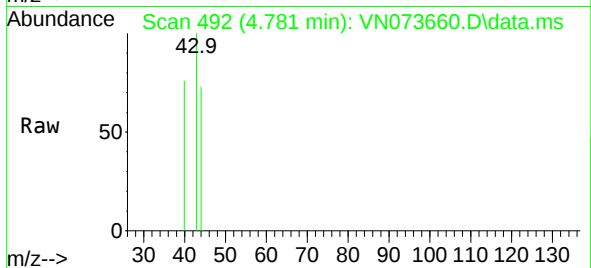




#18
Methyl Acetate
Concen: 0.211 ug/l
RT: 4.781 min Scan# 492
Delta R.T. -0.000 min
Lab File: VN073660.D
Acq: 01 Aug 2022 15:19

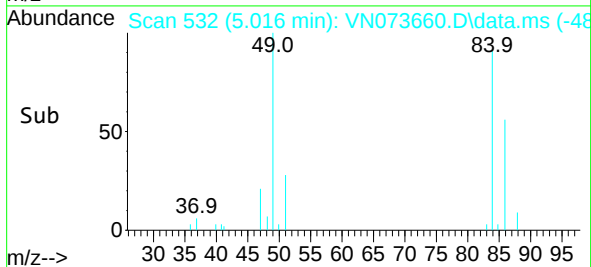
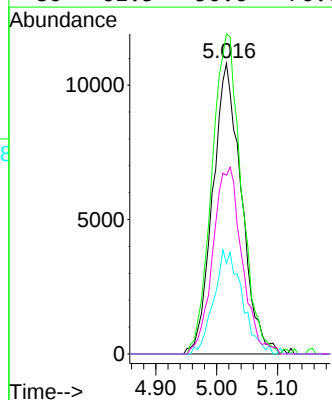
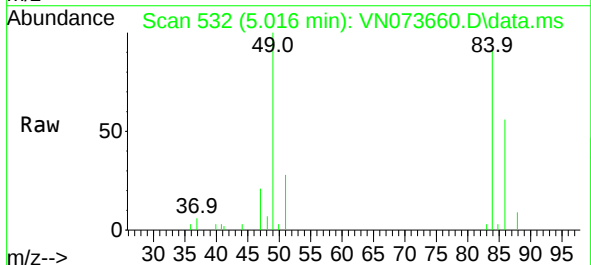
Instrument :
MSVOA_N
ClientSampleId :

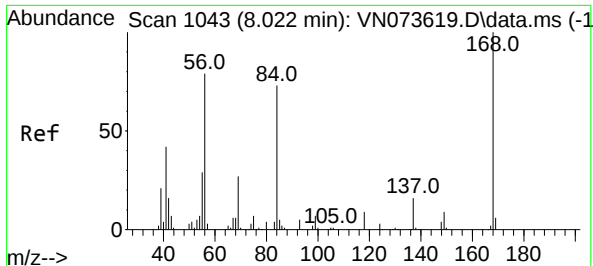
Tgt Ion: 43 Resp: 1232
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: 7.402 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN073660.D
Acq: 01 Aug 2022 15:19

Tgt Ion: 84 Resp: 35283
Ion Ratio Lower Upper
84 100
49 110.1 88.3 132.5
51 31.2 28.2 42.2
86 61.5 50.6 76.0





#31

Cyclohexane

Concen: 1.049 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

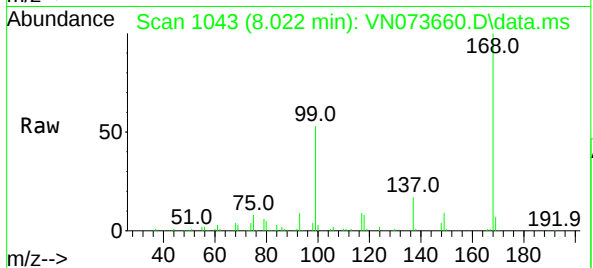
Lab File: VN073660.D

Acq: 01 Aug 2022 15:19

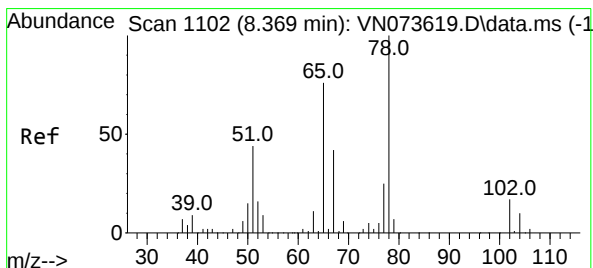
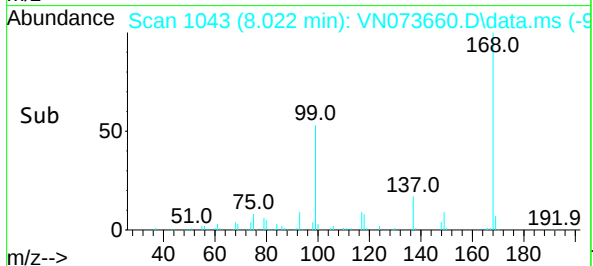
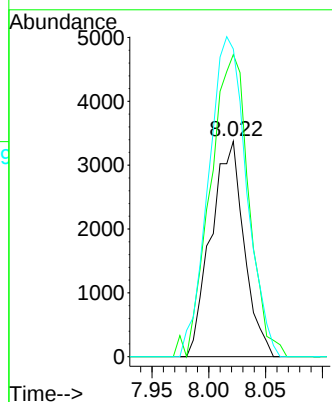
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	6833
Ion Ratio	100	Lower	Upper
56	100		
69	134.7	27.8	41.8#
84	142.8	76.9	115.3#



#33

1,2-Dichloroethane-d4

Concen: 49.653 ug/l

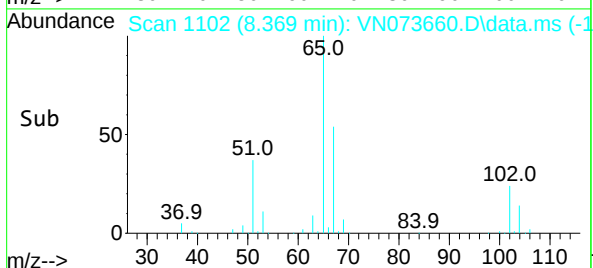
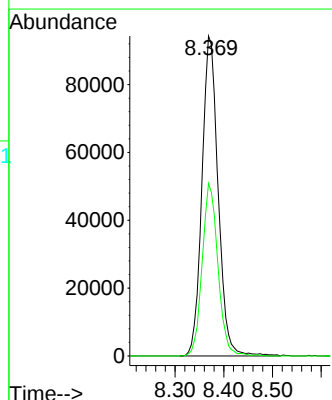
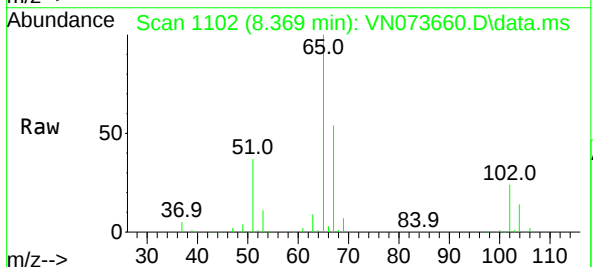
RT: 8.369 min Scan# 1102

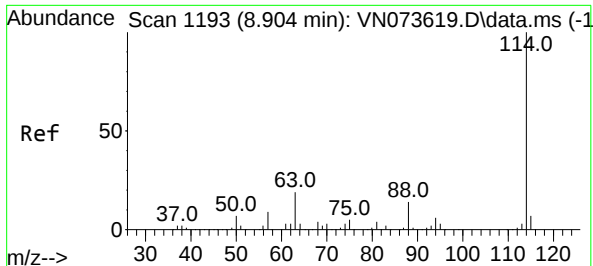
Delta R.T. -0.000 min

Lab File: VN073660.D

Acq: 01 Aug 2022 15:19

Tgt Ion:	65	Resp:	217275
Ion Ratio	100	Lower	Upper
65	100		
67	52.4	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: VN073660.D

Acq: 01 Aug 2022 15:19

Instrument :

MSVOA_N

ClientSampleId :

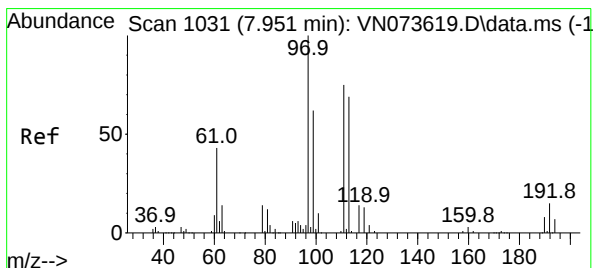
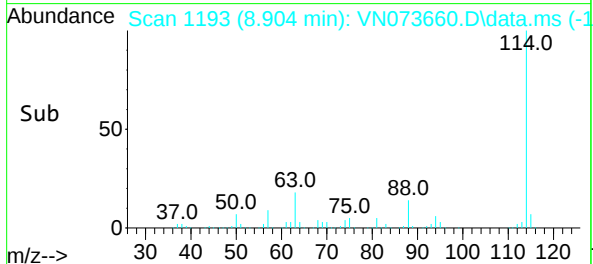
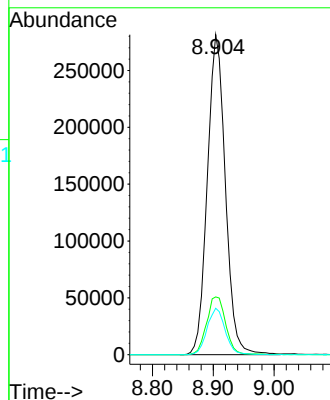
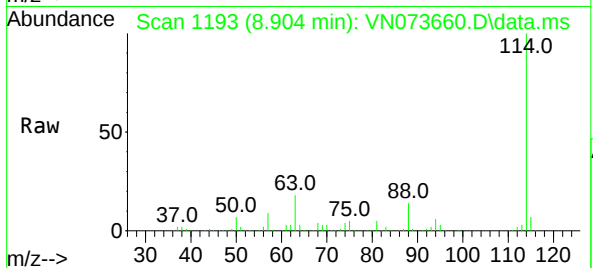
Tgt Ion:114 Resp: 580209

Ion Ratio Lower Upper

114 100

63 18.1 0.0 40.0

88 14.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.996 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN073660.D

Acq: 01 Aug 2022 15:19

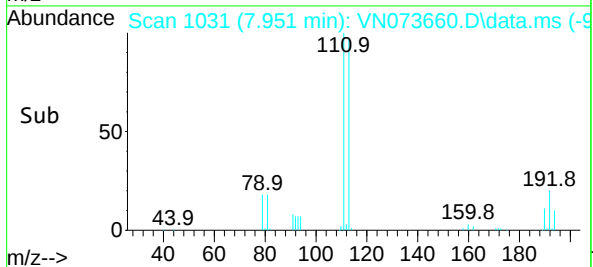
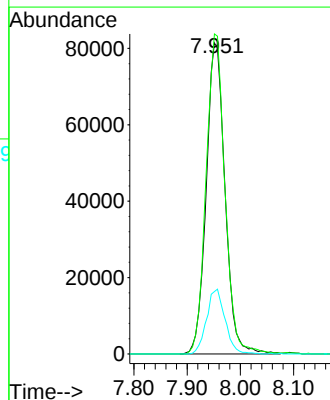
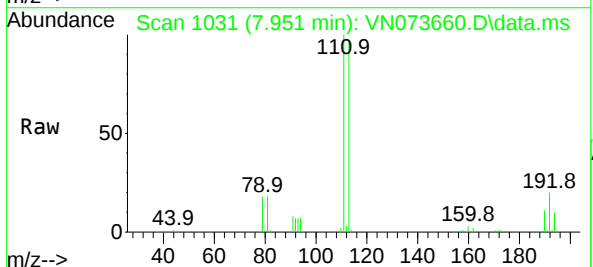
Tgt Ion:113 Resp: 200370

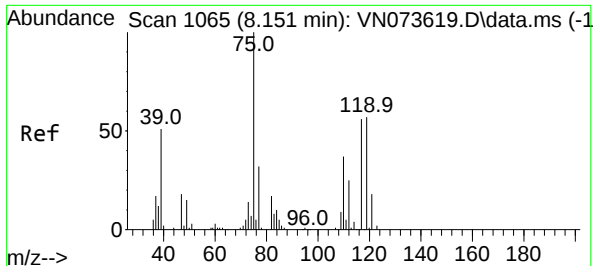
Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

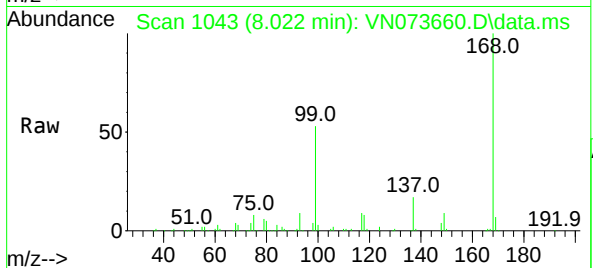
192 20.5 17.0 25.6



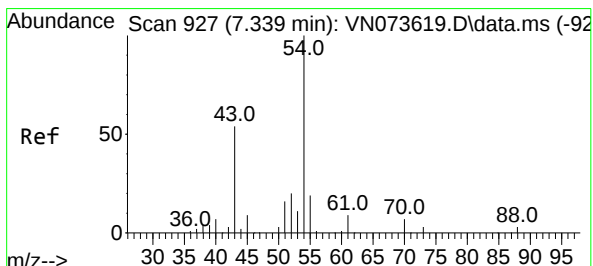
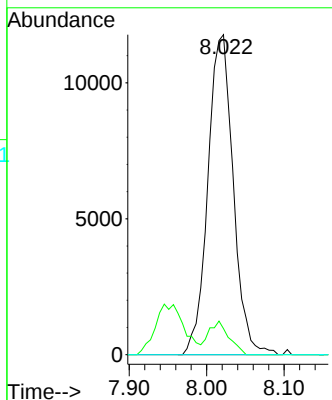
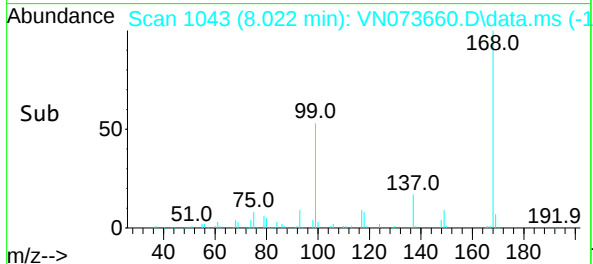


#36
1,1-Dichloropropene
Concen: 5.160 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN073660.D
Acq: 01 Aug 2022 15:19

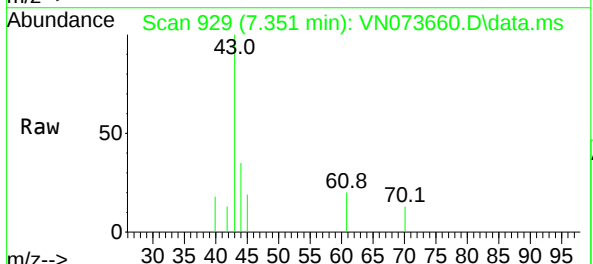
Instrument :
MSVOA_N
ClientSampleId :



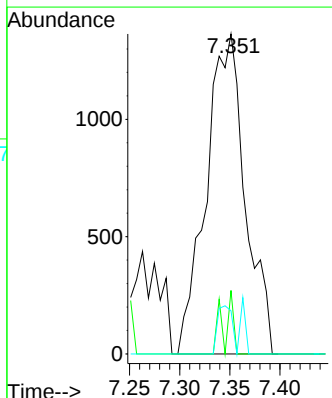
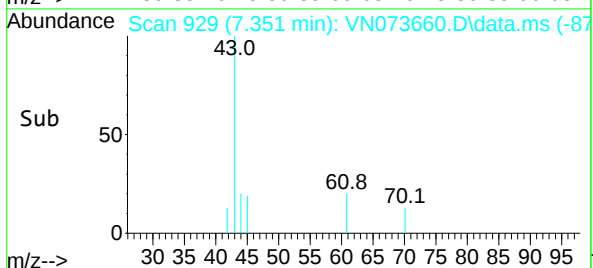
Tgt Ion: 75 Resp: 26796
Ion Ratio Lower Upper
75 100
110 8.4 18.3 54.8#
77 0.0 25.1 37.7#

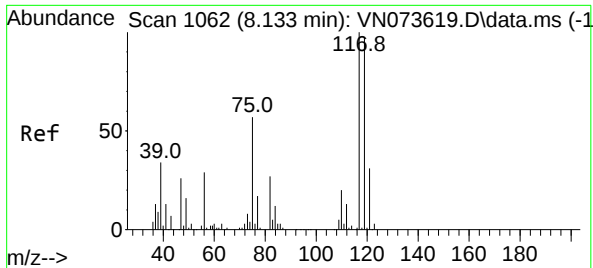


#37
Ethyl Acetate
Concen: 0.539 ug/l
RT: 7.351 min Scan# 929
Delta R.T. 0.012 min
Lab File: VN073660.D
Acq: 01 Aug 2022 15:19



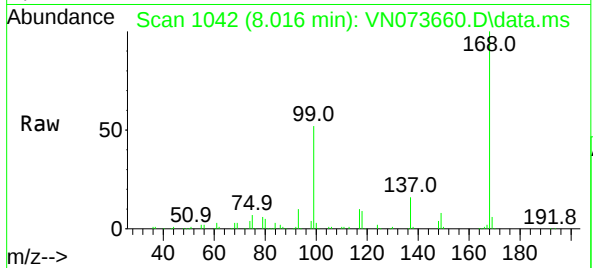
Tgt Ion: 43 Resp: 3688
Ion Ratio Lower Upper
43 100
61 2.2 11.8 17.6#
70 5.6 9.3 13.9#



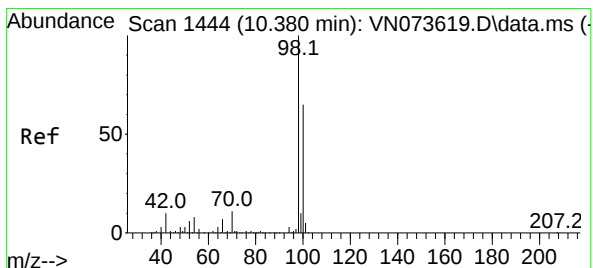
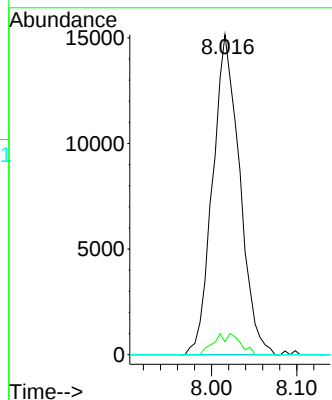
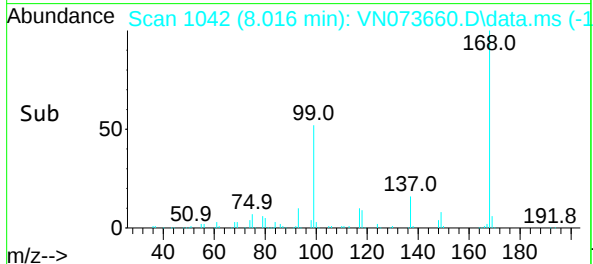


#38
Carbon Tetrachloride
Concen: 6.327 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.118 min
Lab File: VN073660.D
Acq: 01 Aug 2022 15:19

Instrument :
MSVOA_N
ClientSampleId :

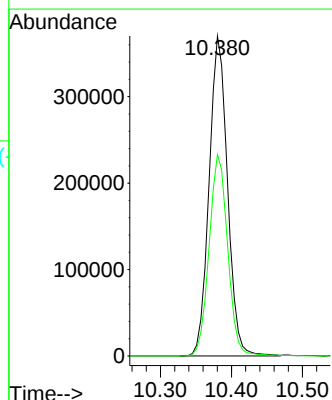
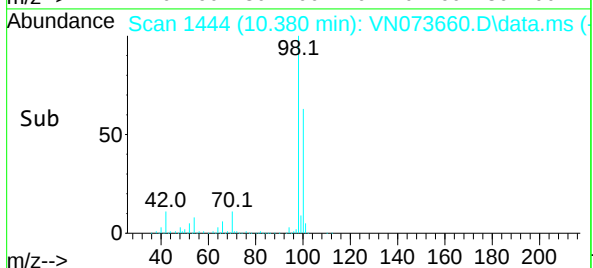
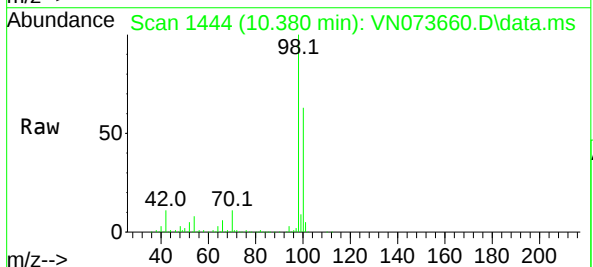


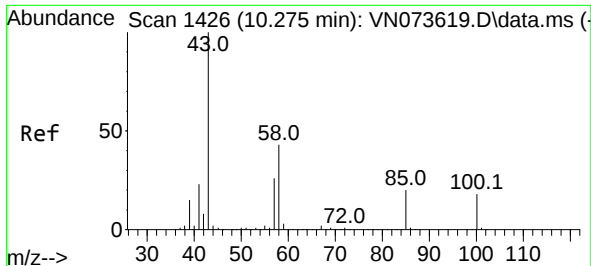
Tgt Ion:117 Resp: 33368
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 46.461 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073660.D
Acq: 01 Aug 2022 15:19

Tgt Ion: 98 Resp: 666109
Ion Ratio Lower Upper
98 100
100 63.7 52.6 78.8

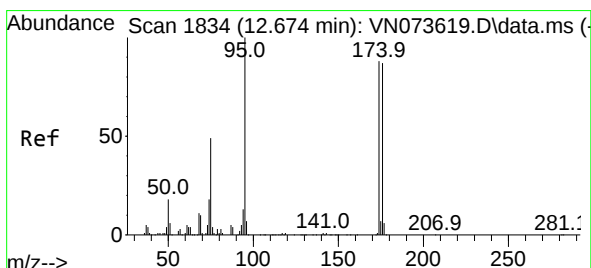
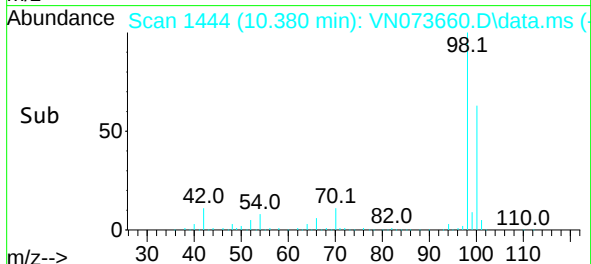
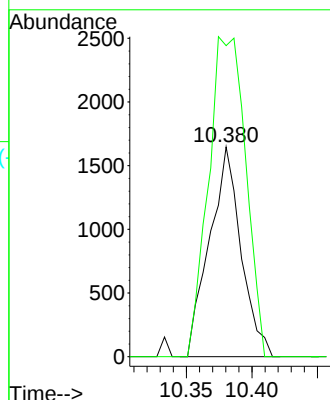
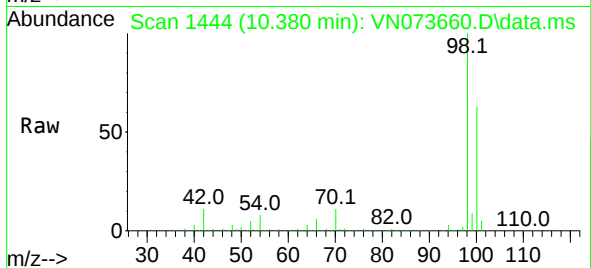




#51
4-Methyl-2-Pentanone
Concen: 0.415 ug/l
RT: 10.380 min Scan# 1426
Delta R.T. 0.105 min
Lab File: VN073660.D
Acq: 01 Aug 2022 15:19

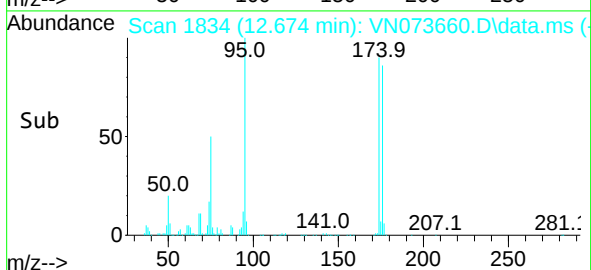
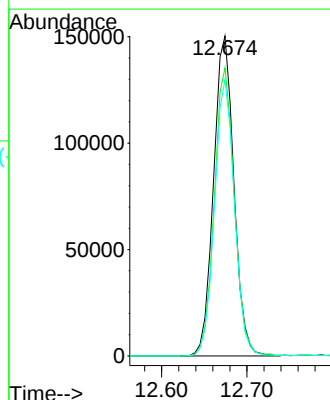
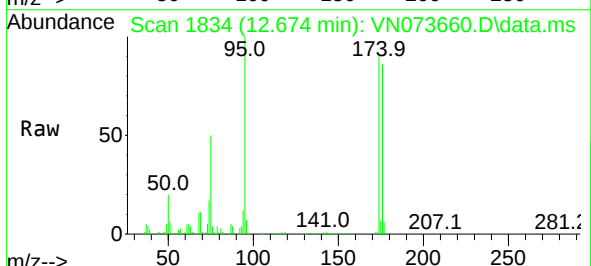
Instrument :
MSVOA_N
ClientSampleId :

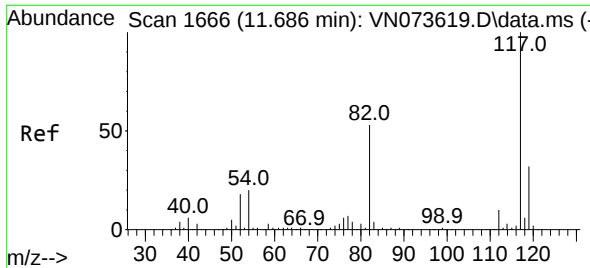
Tgt Ion: 43 Resp: 2750
Ion Ratio Lower Upper
43 100
58 180.8 34.1 51.1#



#62
4-Bromofluorobenzene
Concen: 51.725 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073660.D
Acq: 01 Aug 2022 15:19

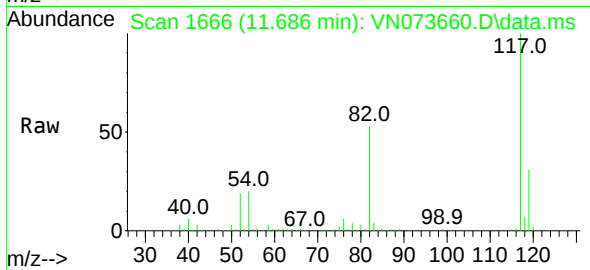
Tgt Ion: 95 Resp: 249417
Ion Ratio Lower Upper
95 100
174 89.2 0.0 167.6
176 84.7 0.0 163.4



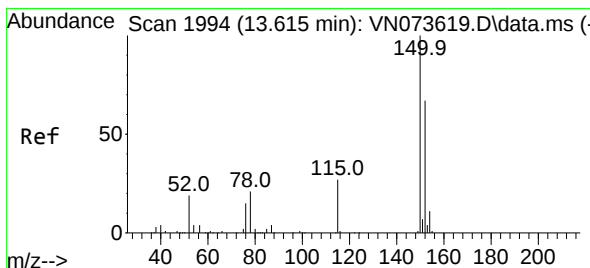
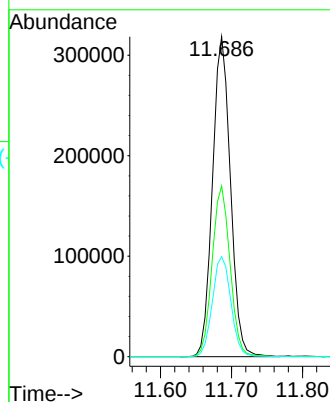
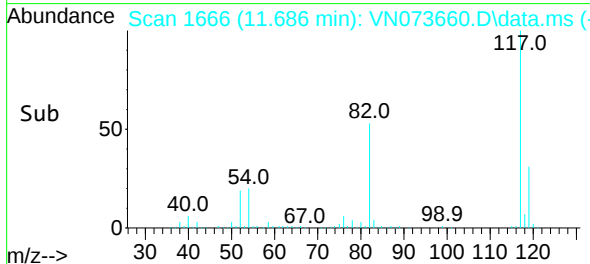


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN073660.D
Acq: 01 Aug 2022 15:19

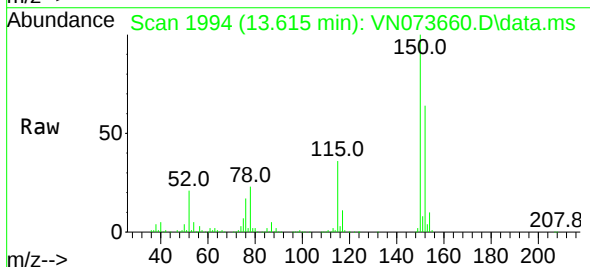
Instrument :
MSVOA_N
ClientSampleId :



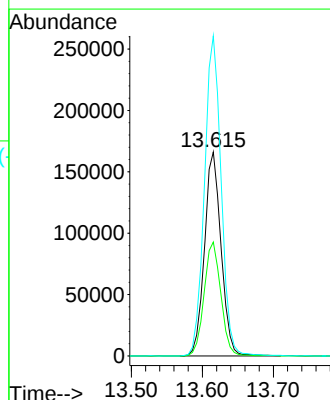
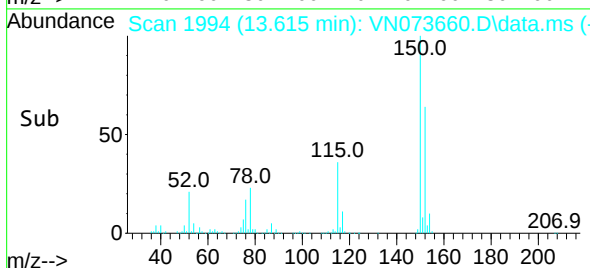
Tgt Ion:117 Resp: 558697
Ion Ratio Lower Upper
117 100
82 53.4 44.2 66.2
119 31.2 25.4 38.0

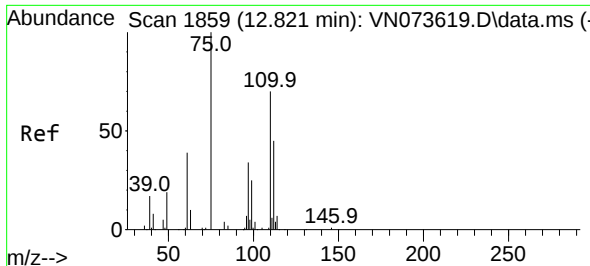


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VN073660.D
Acq: 01 Aug 2022 15:19



Tgt Ion:152 Resp: 270621
Ion Ratio Lower Upper
152 100
115 56.3 28.9 86.7
150 157.9 0.0 356.2

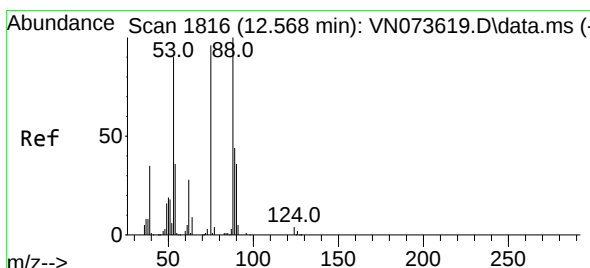
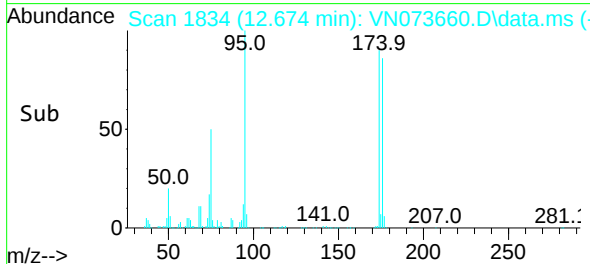
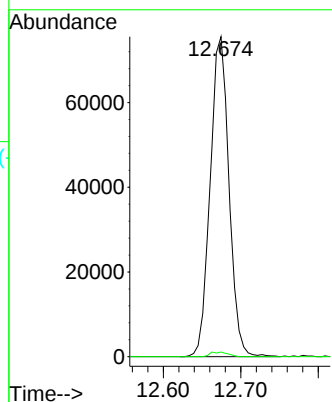
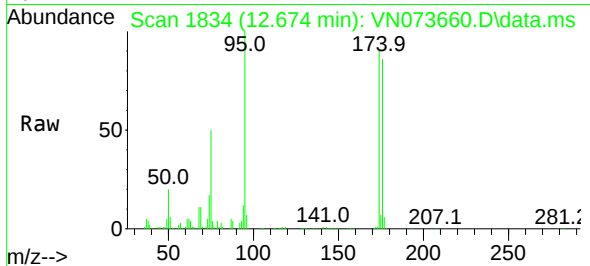




#76
1,2,3-Trichloropropane
Concen: 24.037 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073660.D
Acq: 01 Aug 2022 15:19

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 127464
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.039 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073660.D
Acq: 01 Aug 2022 15:19

Tgt Ion: 75 Resp: 127464
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 37.2 55.8#

