

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080322\
 Data File : VN073721.D
 Acq On : 03 Aug 2022 19:07
 Operator : JC\MD
 Sample : N3972-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-2022-07-28

Quant Time: Aug 04 05:37:54 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)

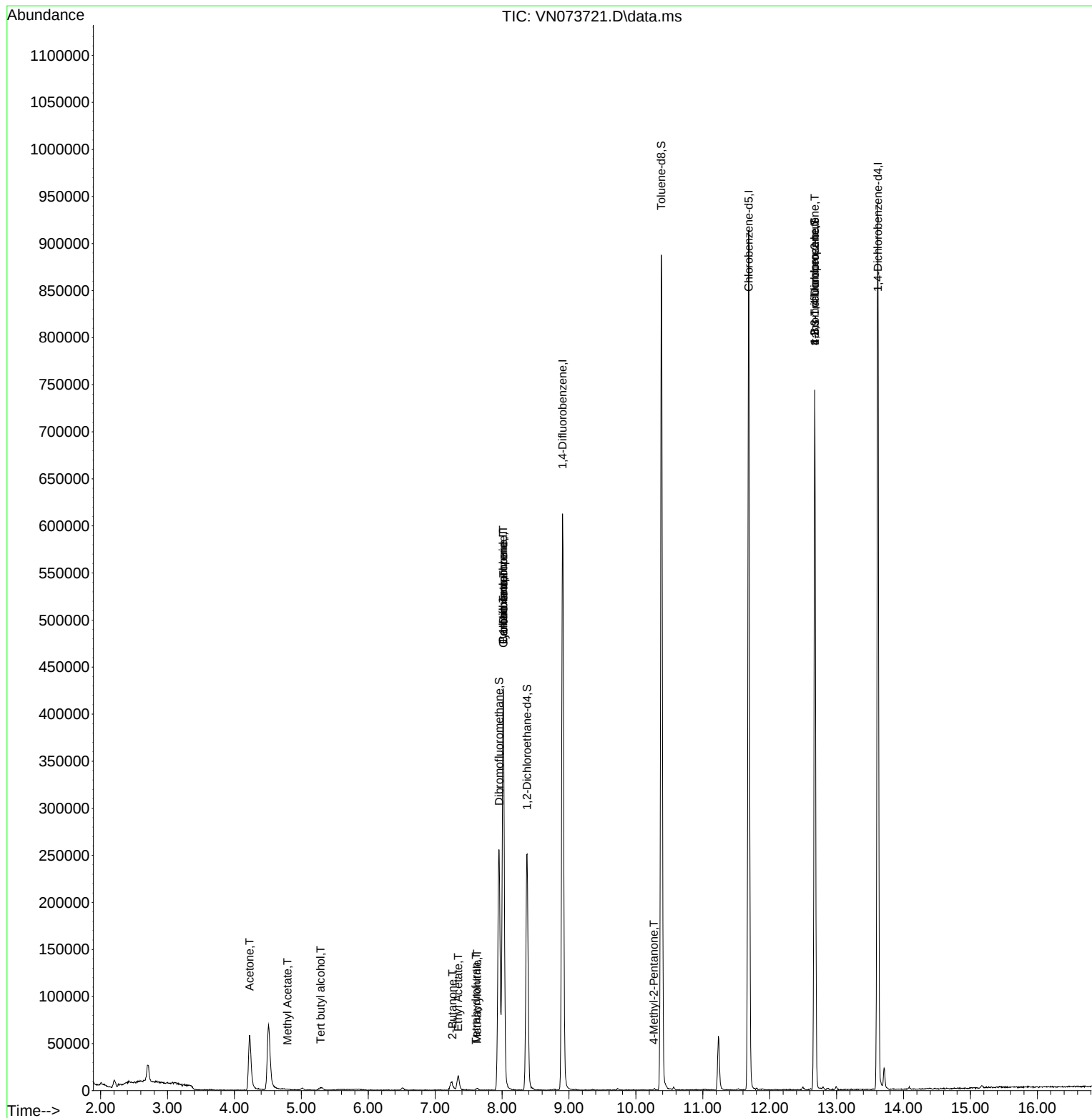
Internal Standards						
1) Pentafluorobenzene	8.016	168	338357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	553390	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	541658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	265401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	210798	51.122	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.240%			
35) Dibromofluoromethane	7.957	113	194080	55.851	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.700%			
50) Toluene-d8	10.380	98	637574	46.626	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.260%			
62) 4-Bromofluorobenzene	12.674	95	236855	51.538	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.080%			
Target Compounds					Qvalue	
3) Chloromethane	2.263	50	733	Below Cal	#	68
6) Chloroethane	2.922	64	467	Below Cal	#	53
11) Tert butyl alcohol	5.287	59	2273	2.556	ug/l #	91
16) Acetone	4.228	43	105422	47.600	ug/l	99
18) Methyl Acetate	4.793	43	1792	0.325	ug/l #	48
20) Methylene Chloride	5.016	84	1389	Below Cal	#	65
25) 2-Butanone	7.257	43	1548	0.450	ug/l #	45
29) Tetrahydrofuran	7.610	42	532	0.245	ug/l #	59
31) Cyclohexane	8.022	56	6960	1.134	ug/l #	26
36) 1,1-Dichloropropene	8.016	75	25311	5.111	ug/l #	49
37) Ethyl Acetate	7.345	43	22338	3.425	ug/l	97
38) Carbon Tetrachloride	8.016	117	32908	6.542	ug/l #	17
41) Methacrylonitrile	7.628	41	766	0.260	ug/l #	34
51) 4-Methyl-2-Pentanone	10.269	43	1311	0.207	ug/l #	79
76) 1,2,3-Trichloropropane	12.674	75	124314	23.885	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	124314	60.702	ug/l #	10

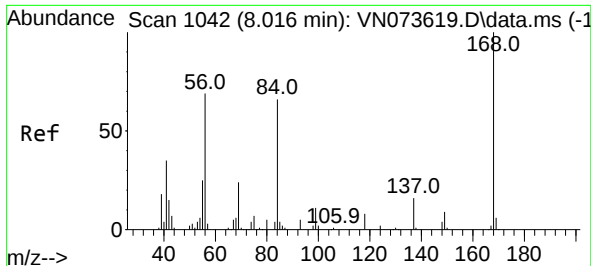
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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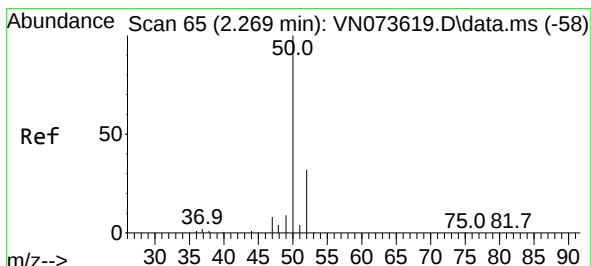
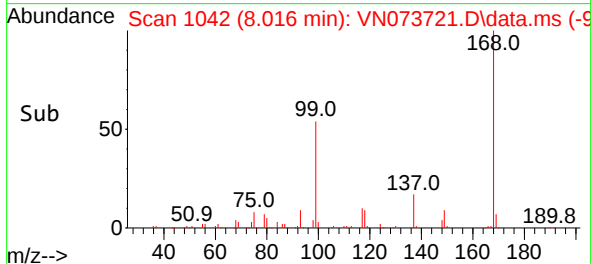
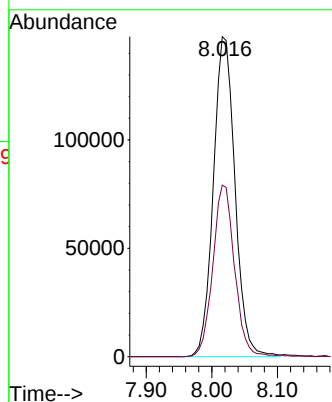
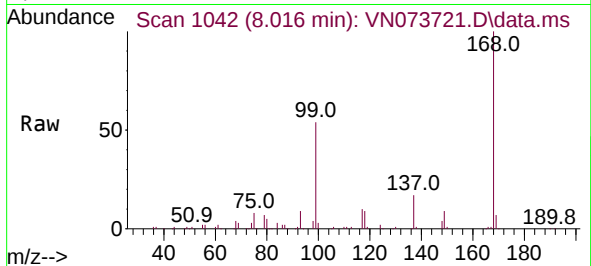




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073721.D
Acq: 03 Aug 2022 19:07

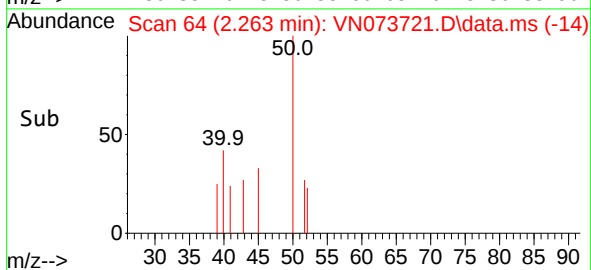
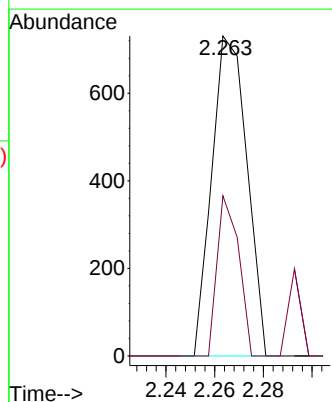
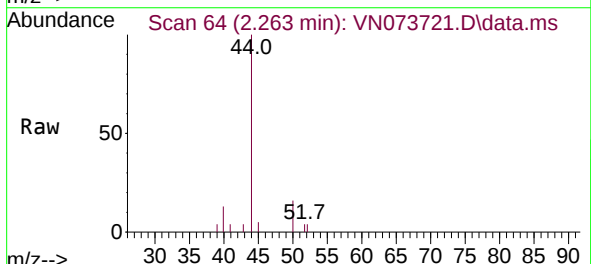
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-07-28

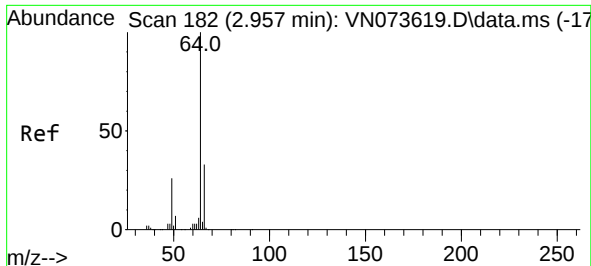
Tgt Ion:168 Resp: 338357
Ion Ratio Lower Upper
168 100
99 53.6 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073721.D
Acq: 03 Aug 2022 19:07

Tgt Ion: 50 Resp: 733
Ion Ratio Lower Upper
50 100
52 50.1 25.7 38.5#

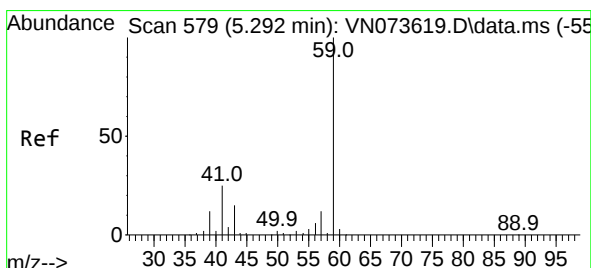
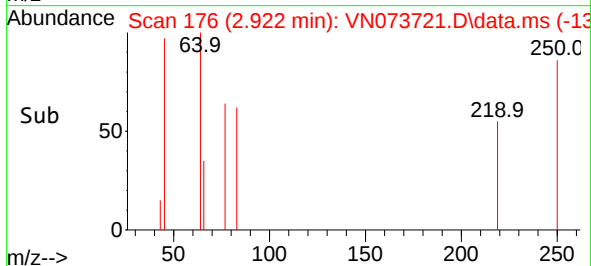
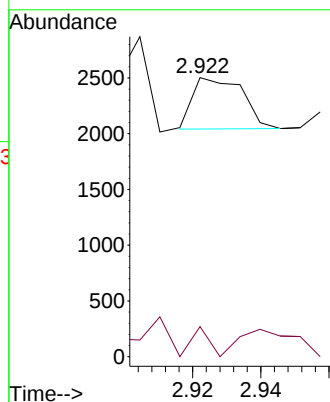
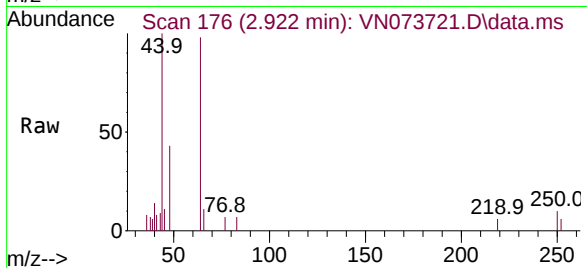




#6
Chloroethane
Concen: Below Cal
RT: 2.922 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN073721.D
Acq: 03 Aug 2022 19:07

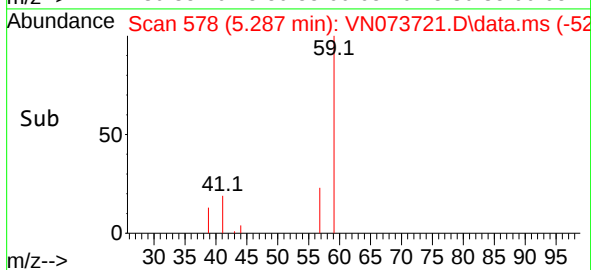
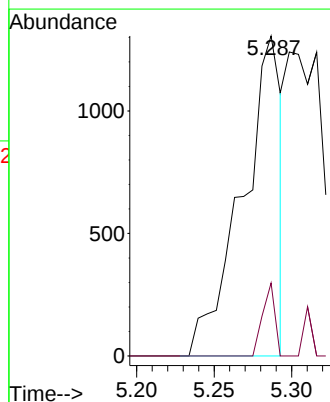
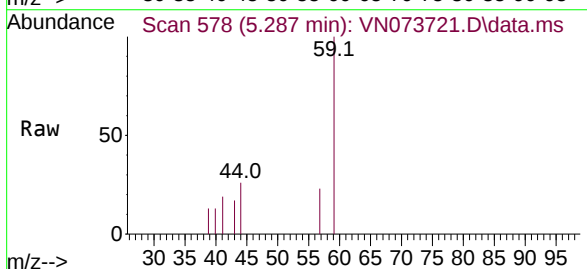
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-07-28

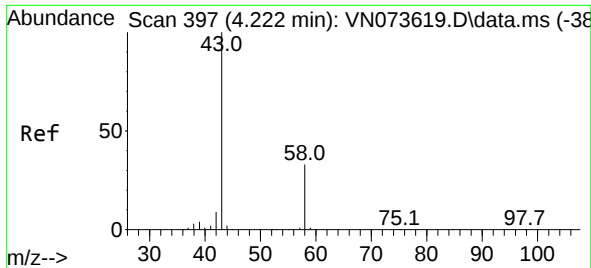
Tgt Ion: 64 Resp: 467
Ion Ratio Lower Upper
64 100
66 59.1 26.2 39.4#



#11
Tert butyl alcohol
Concen: 2.556 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.005 min
Lab File: VN073721.D
Acq: 03 Aug 2022 19:07

Tgt Ion: 59 Resp: 2273
Ion Ratio Lower Upper
59 100
57 7.1 8.3 12.5#

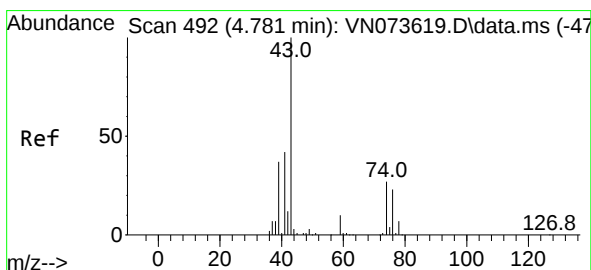
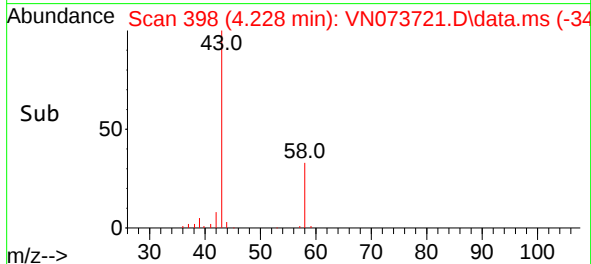
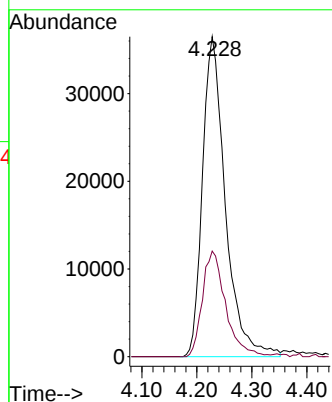
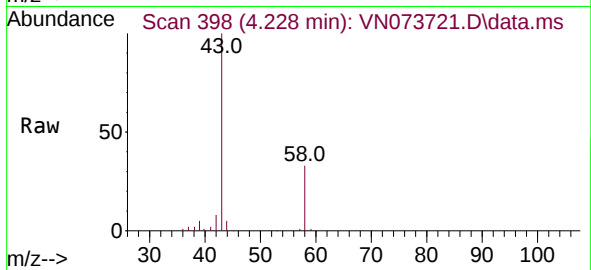




#16
Acetone
Concen: 47.600 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073721.D
Acq: 03 Aug 2022 19:07

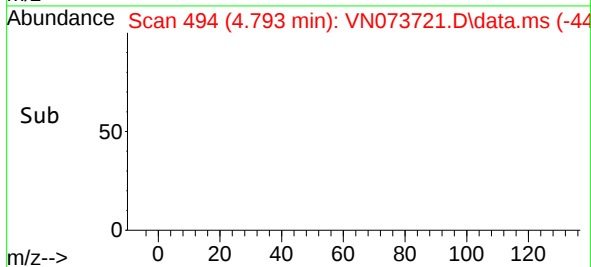
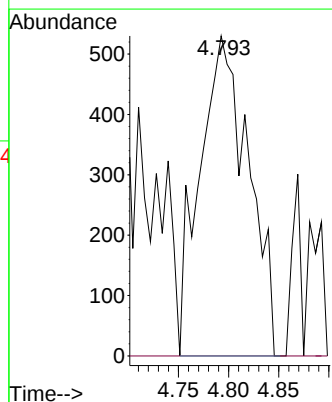
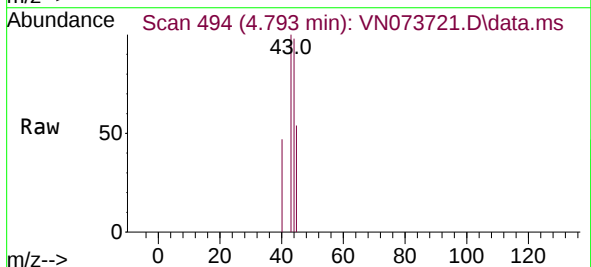
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-07-28

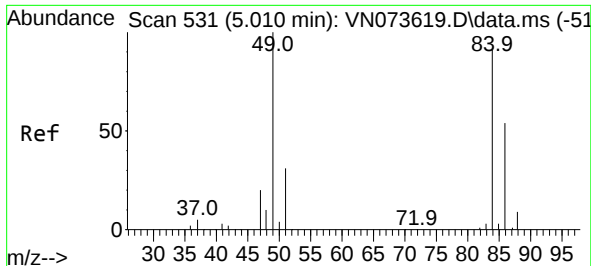
Tgt Ion: 43 Resp: 105422
Ion Ratio Lower Upper
43 100
58 33.0 26.0 39.0



#18
Methyl Acetate
Concen: 0.325 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN073721.D
Acq: 03 Aug 2022 19:07

Tgt Ion: 43 Resp: 1792
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

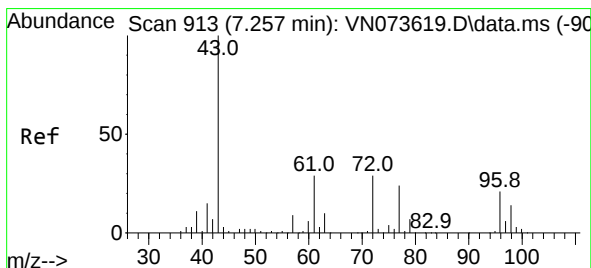
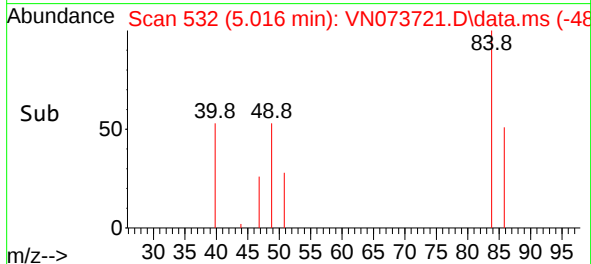
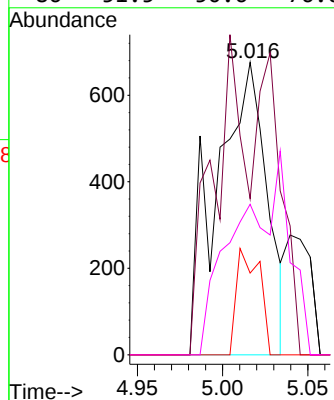
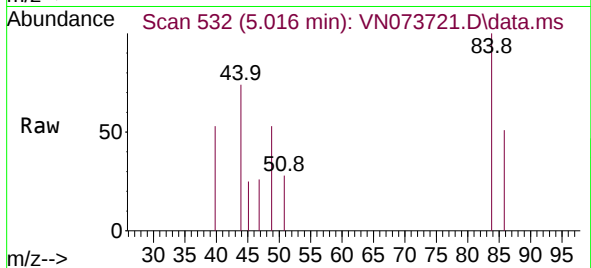




#20
Methylene Chloride
Concen: Below Cal
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073721.D
Acq: 03 Aug 2022 19:07

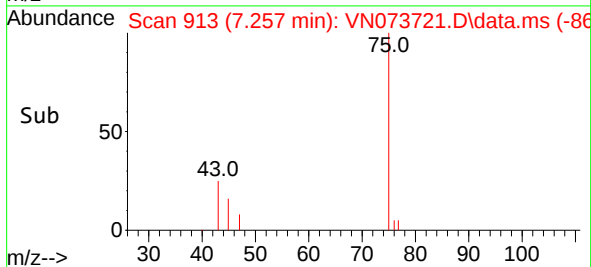
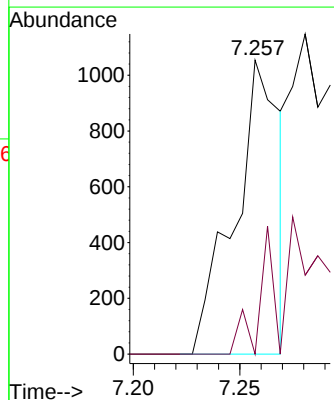
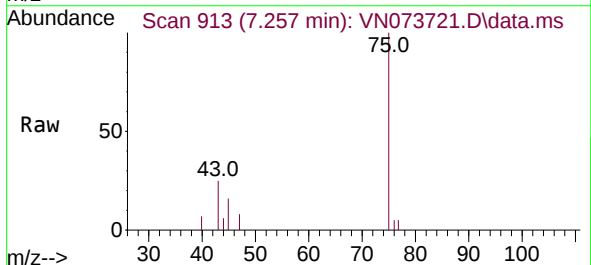
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-07-28

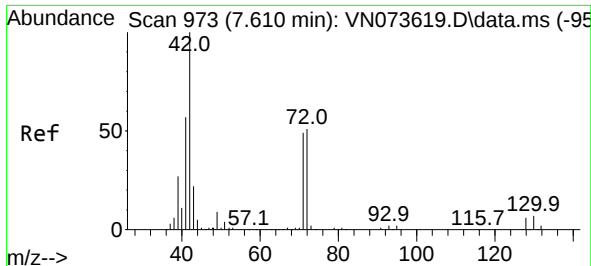
Tgt Ion: 84 Resp: 1389
Ion Ratio Lower Upper
84 100
49 53.4 88.3 132.5#
51 28.0 28.2 42.2#
86 51.5 50.6 76.0



#25
2-Butanone
Concen: 0.450 ug/l
RT: 7.257 min Scan# 913
Delta R.T. 0.000 min
Lab File: VN073721.D
Acq: 03 Aug 2022 19:07

Tgt Ion: 43 Resp: 1548
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.245 ug/l

RT: 7.610 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN073721.D

Acq: 03 Aug 2022 19:07

Instrument :

MSVOA_N

ClientSampleId :

EB-2022-07-28

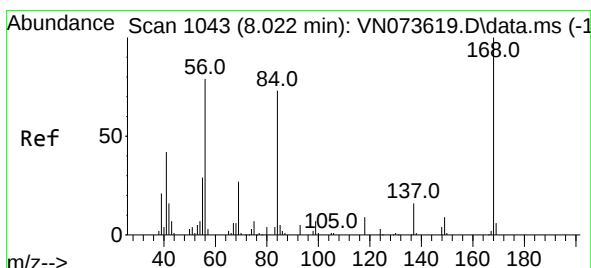
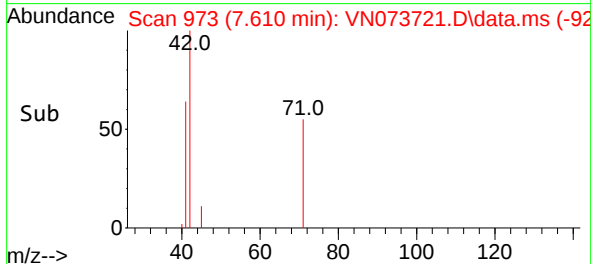
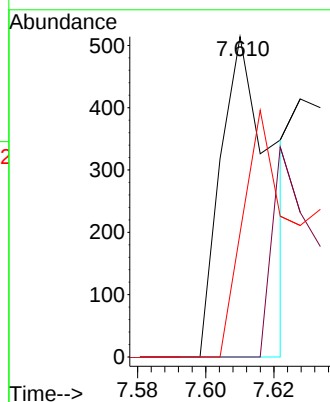
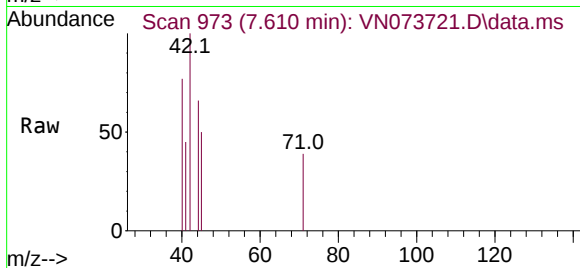
Tgt Ion: 42 Resp: 532

Ion Ratio Lower Upper

42 100

72 81.6 39.7 59.5#

71 68.4 36.6 55.0#



#31

Cyclohexane

Concen: 1.134 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VN073721.D

Acq: 03 Aug 2022 19:07

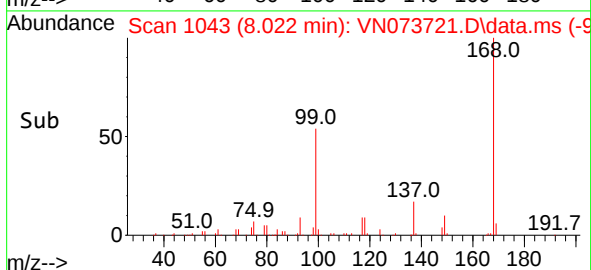
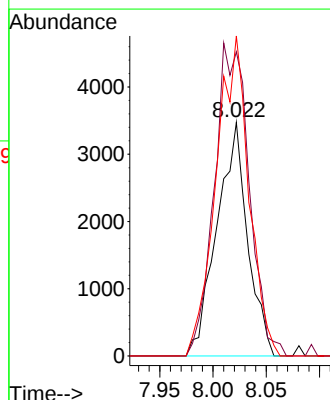
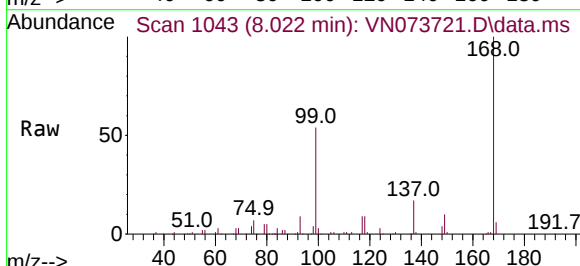
Tgt Ion: 56 Resp: 6960

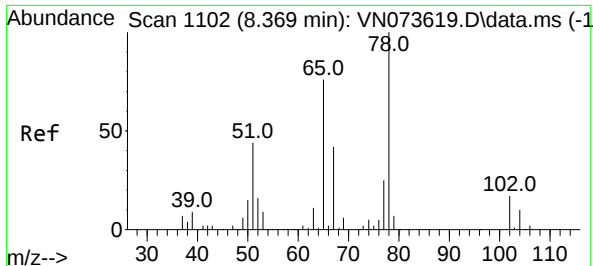
Ion Ratio Lower Upper

56 100

69 130.1 27.8 41.8#

84 136.9 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 51.122 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN073721.D

Acq: 03 Aug 2022 19:07

Instrument :

MSVOA_N

ClientSampleId :

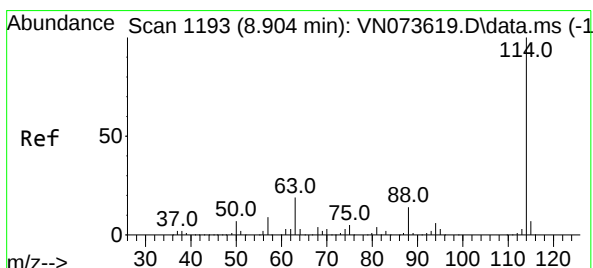
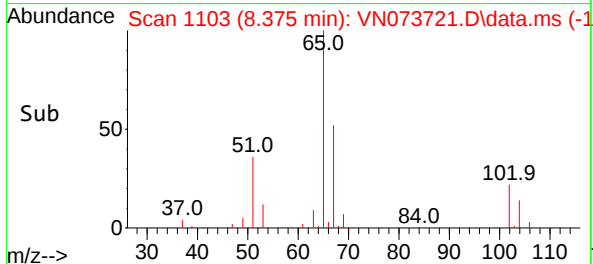
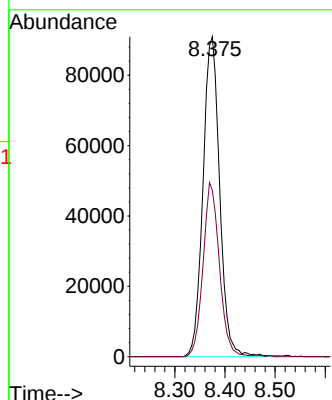
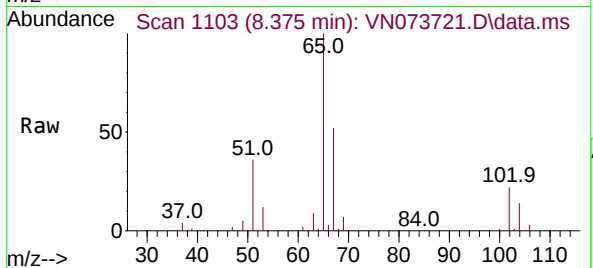
EB-2022-07-28

Tgt Ion: 65 Resp: 210798

Ion Ratio Lower Upper

65 100

67 53.0 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: VN073721.D

Acq: 03 Aug 2022 19:07

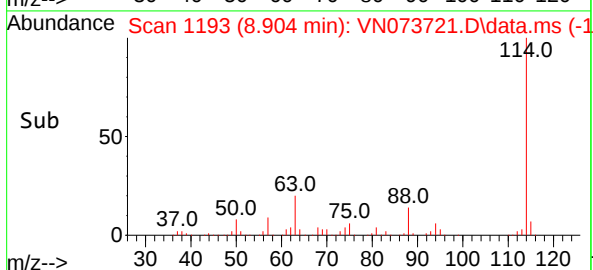
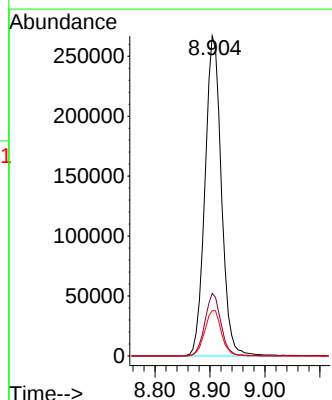
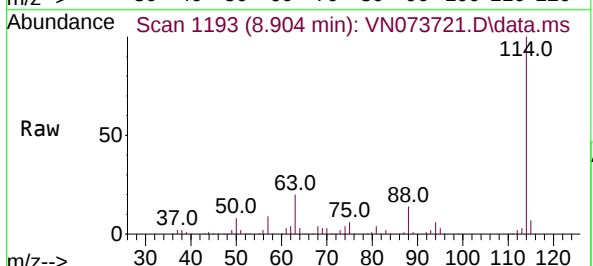
Tgt Ion: 114 Resp: 553390

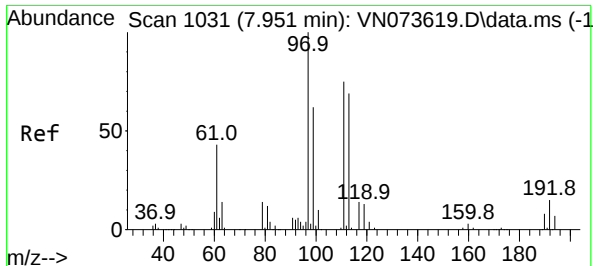
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

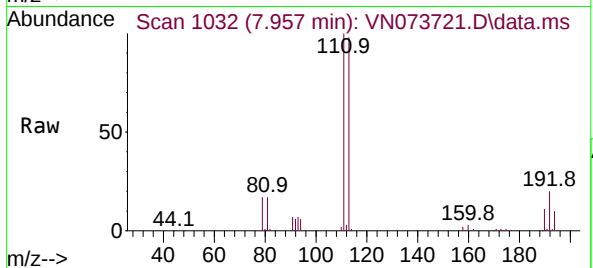
88 14.2 0.0 32.6



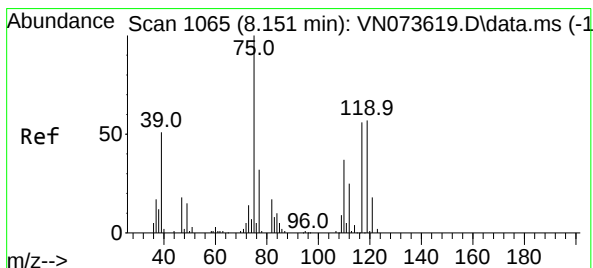
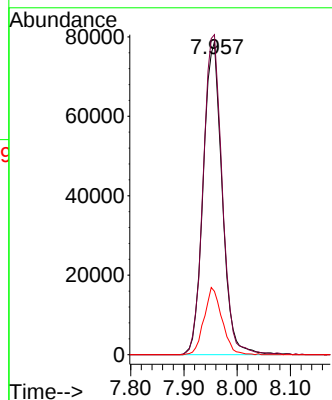
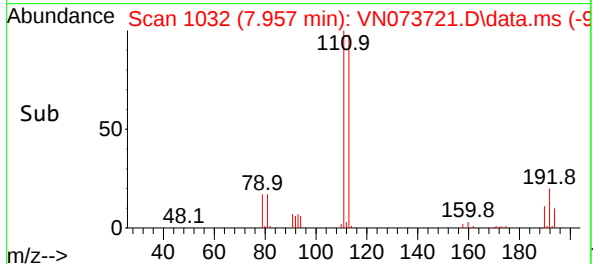


#35
Dibromofluoromethane
Concen: 55.851 ug/l
RT: 7.957 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VN073721.D
Acq: 03 Aug 2022 19:07

Instrument :
MSVOA_N
ClientSampleId :
EB-2022-07-28

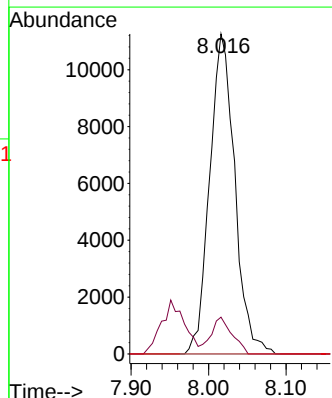
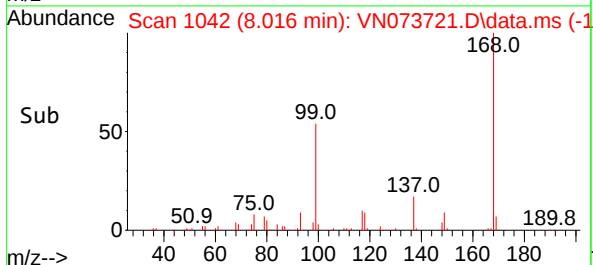
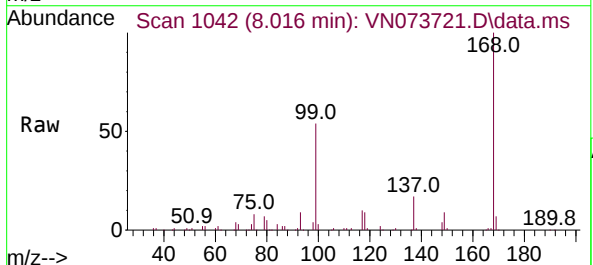


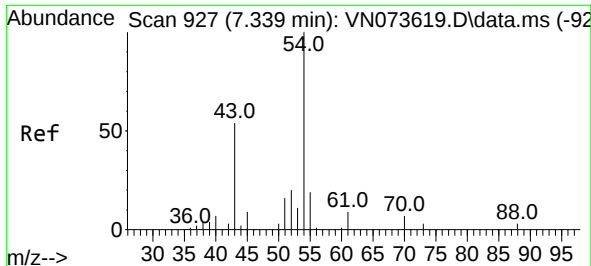
Tgt Ion:113 Resp: 194080
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 20.3 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.111 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073721.D
Acq: 03 Aug 2022 19:07

Tgt Ion: 75 Resp: 25311
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 25.1 37.7#

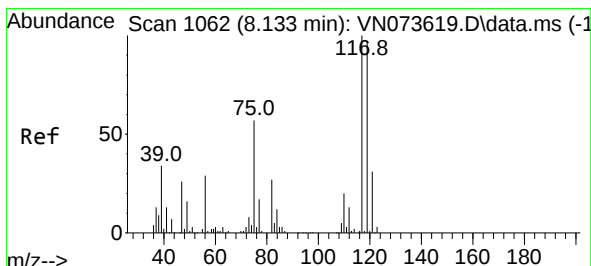
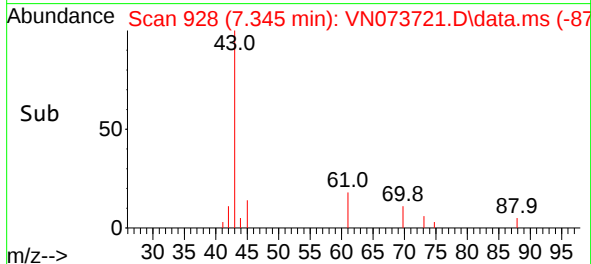
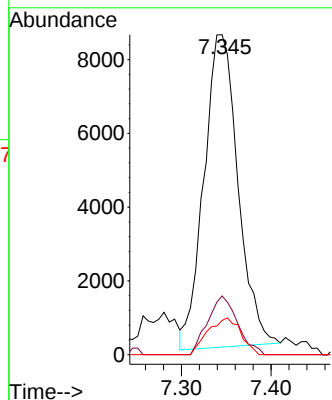
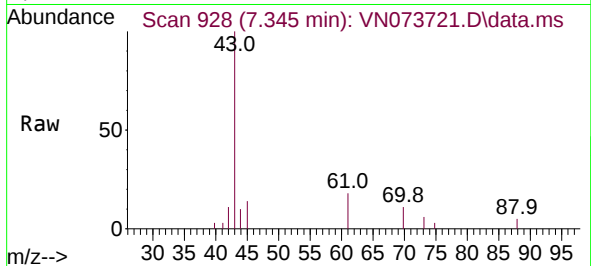




#37
Ethyl Acetate
Concen: 3.425 ug/l
RT: 7.345 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN073721.D
Acq: 03 Aug 2022 19:07

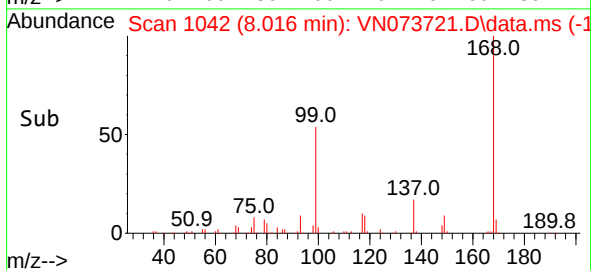
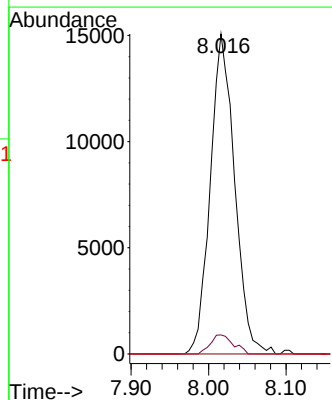
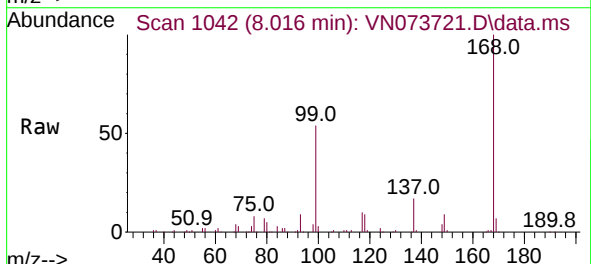
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-07-28

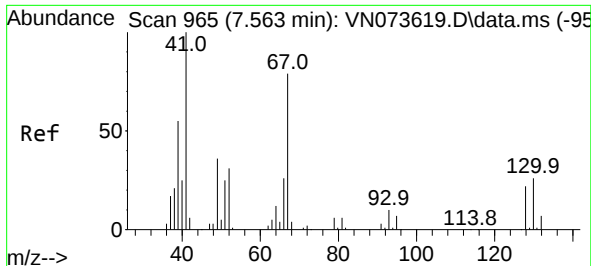
Tgt Ion: 43 Resp: 22338
Ion Ratio Lower Upper
43 100
61 16.5 11.8 17.6
70 11.3 9.3 13.9



#38
Carbon Tetrachloride
Concen: 6.542 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073721.D
Acq: 03 Aug 2022 19:07

Tgt Ion: 117 Resp: 32908
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 24.6 37.0#

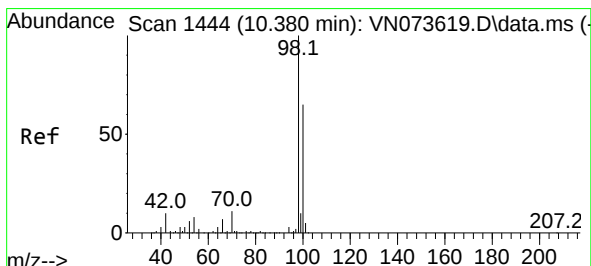
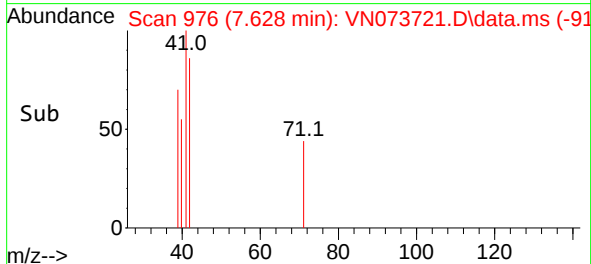
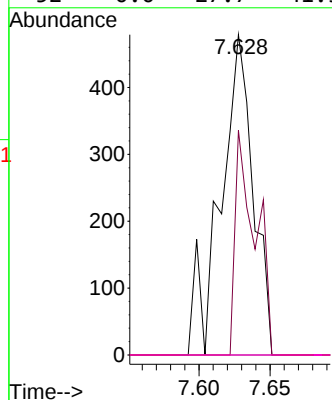
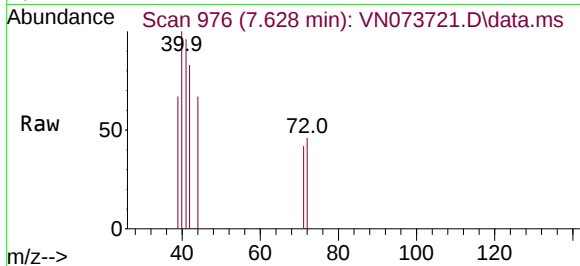




#41
Methacrylonitrile
Concen: 0.260 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.065 min
Lab File: VN073721.D
Acq: 03 Aug 2022 19:07

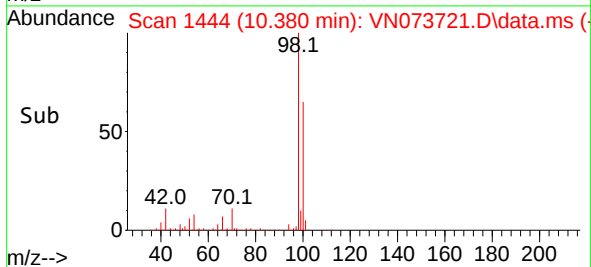
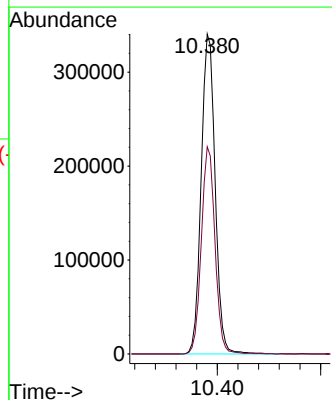
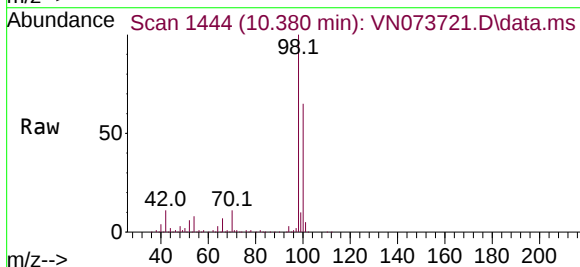
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-07-28

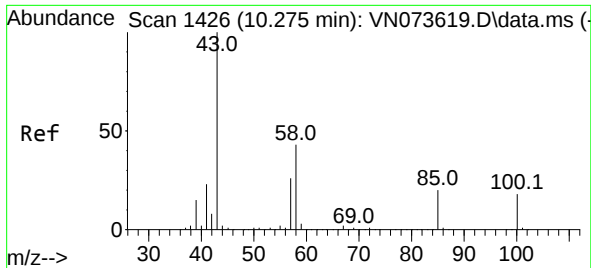
Tgt Ion: 41 Resp: 766
Ion Ratio Lower Upper
41 100
39 43.6 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#



#50
Toluene-d8
Concen: 46.626 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073721.D
Acq: 03 Aug 2022 19:07

Tgt Ion: 98 Resp: 637574
Ion Ratio Lower Upper
98 100
100 63.5 52.6 78.8

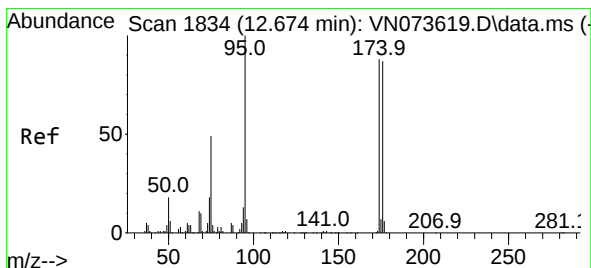
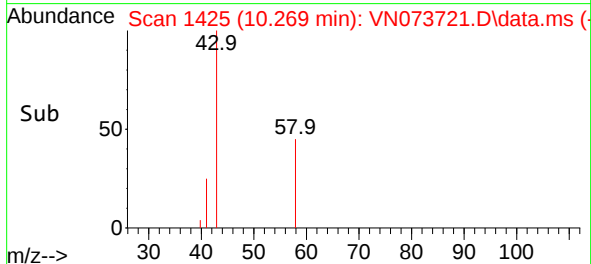
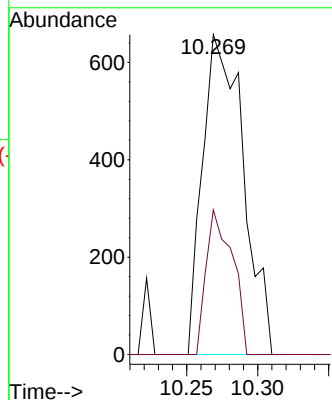
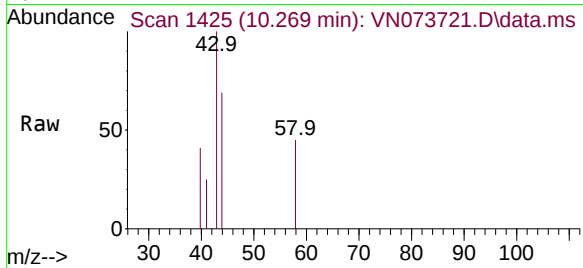




#51
4-Methyl-2-Pentanone
Concen: 0.207 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073721.D
Acq: 03 Aug 2022 19:07

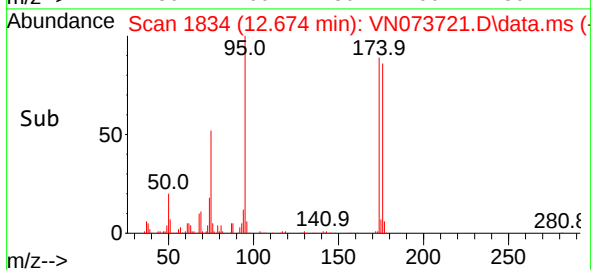
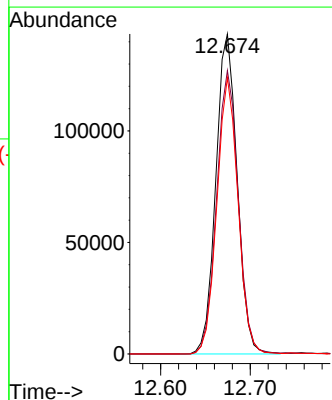
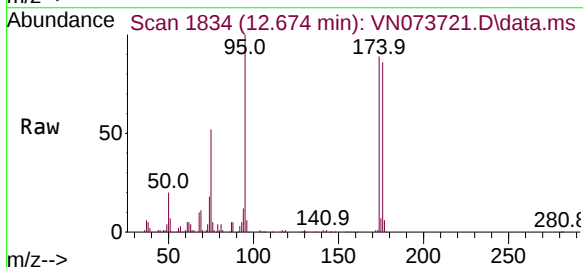
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-07-28

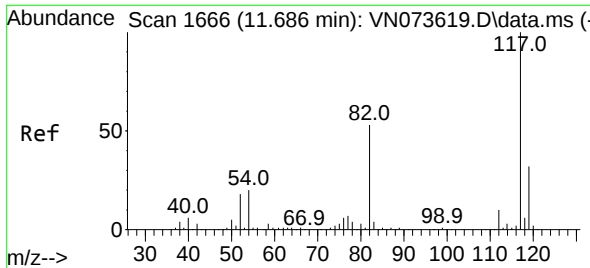
Tgt Ion: 43 Resp: 1311
Ion Ratio Lower Upper
43 100
58 29.2 34.1 51.1#



#62
4-Bromofluorobenzene
Concen: 51.538 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073721.D
Acq: 03 Aug 2022 19:07

Tgt Ion: 95 Resp: 236855
Ion Ratio Lower Upper
95 100
174 90.2 0.0 167.6
176 85.4 0.0 163.4

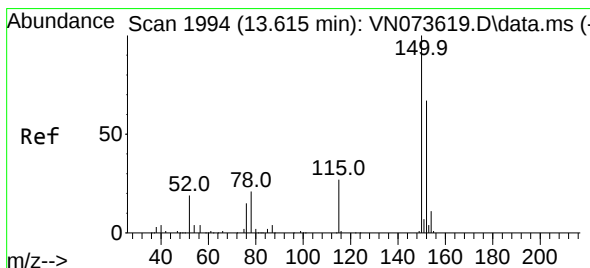
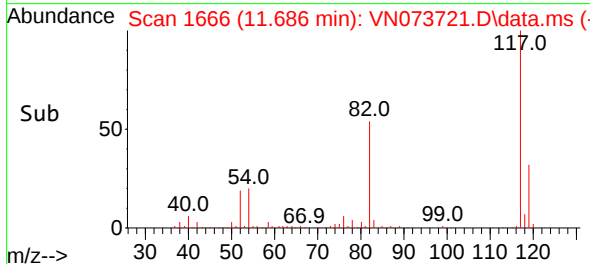
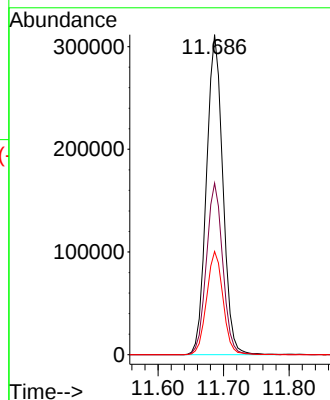
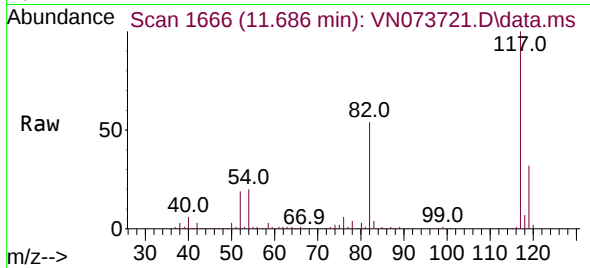




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073721.D
Acq: 03 Aug 2022 19:07

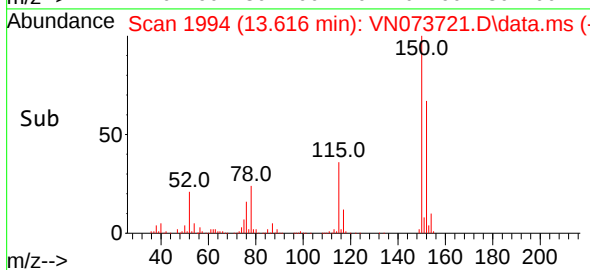
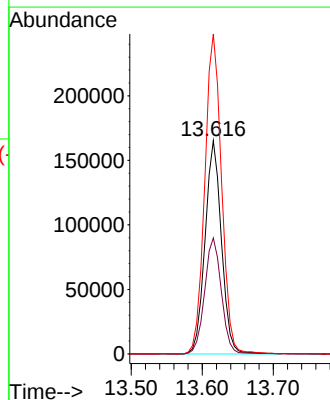
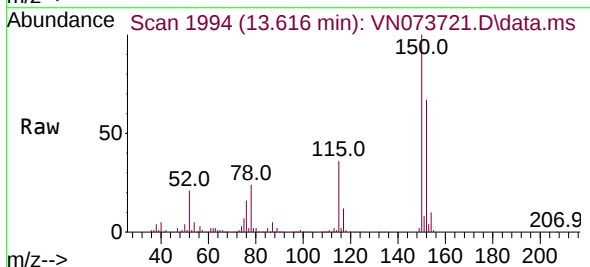
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-07-28

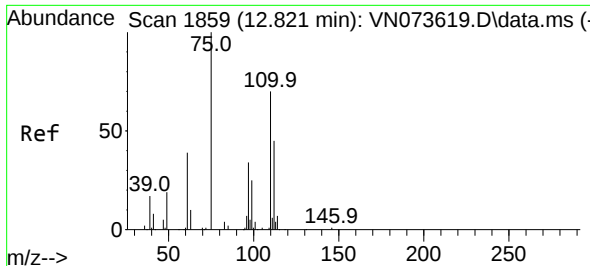
Tgt Ion:117 Resp: 541658
Ion Ratio Lower Upper
117 100
82 53.6 44.2 66.2
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073721.D
Acq: 03 Aug 2022 19:07

Tgt Ion:152 Resp: 265401
Ion Ratio Lower Upper
152 100
115 55.6 28.9 86.7
150 153.8 0.0 356.2

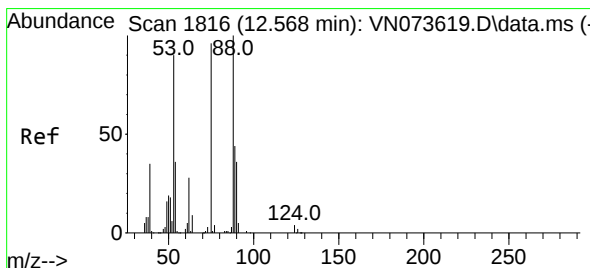
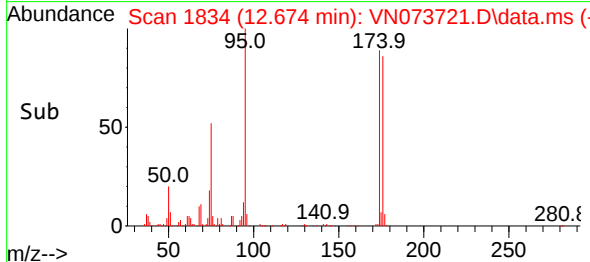
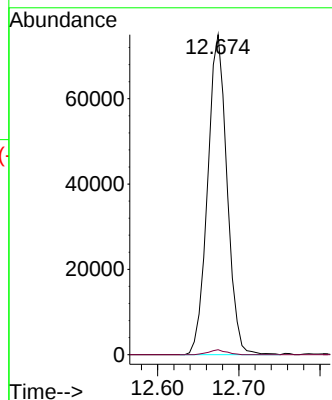
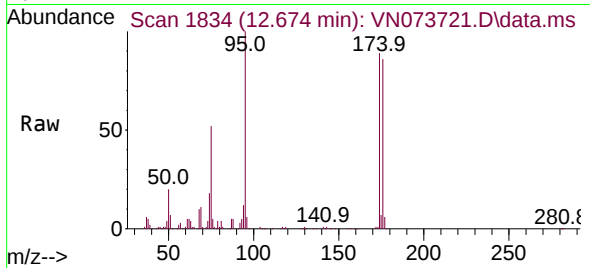




#76
1,2,3-Trichloropropane
Concen: 23.885 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073721.D
Acq: 03 Aug 2022 19:07

Instrument :
MSVOA_N
ClientSampleId :
EB-2022-07-28

Tgt Ion: 75 Resp: 124314
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.702 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073721.D
Acq: 03 Aug 2022 19:07

Tgt Ion: 75 Resp: 124314
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

