

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071823\
 Data File : VY014696.D
 Acq On : 18 Jul 2023 12:58
 Operator : SY/MD
 Sample : 03648-01
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-071723

Quant Time: Jul 19 04:03:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	20380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	33729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	29789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	12799	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	12055	51.908	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.820%
35) Dibromofluoromethane	7.716	113	11085	51.628	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.260%
50) Toluene-d8	10.179	98	39806	50.286	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.580%
62) 4-Bromofluorobenzene	12.477	95	13182	43.429	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.860%

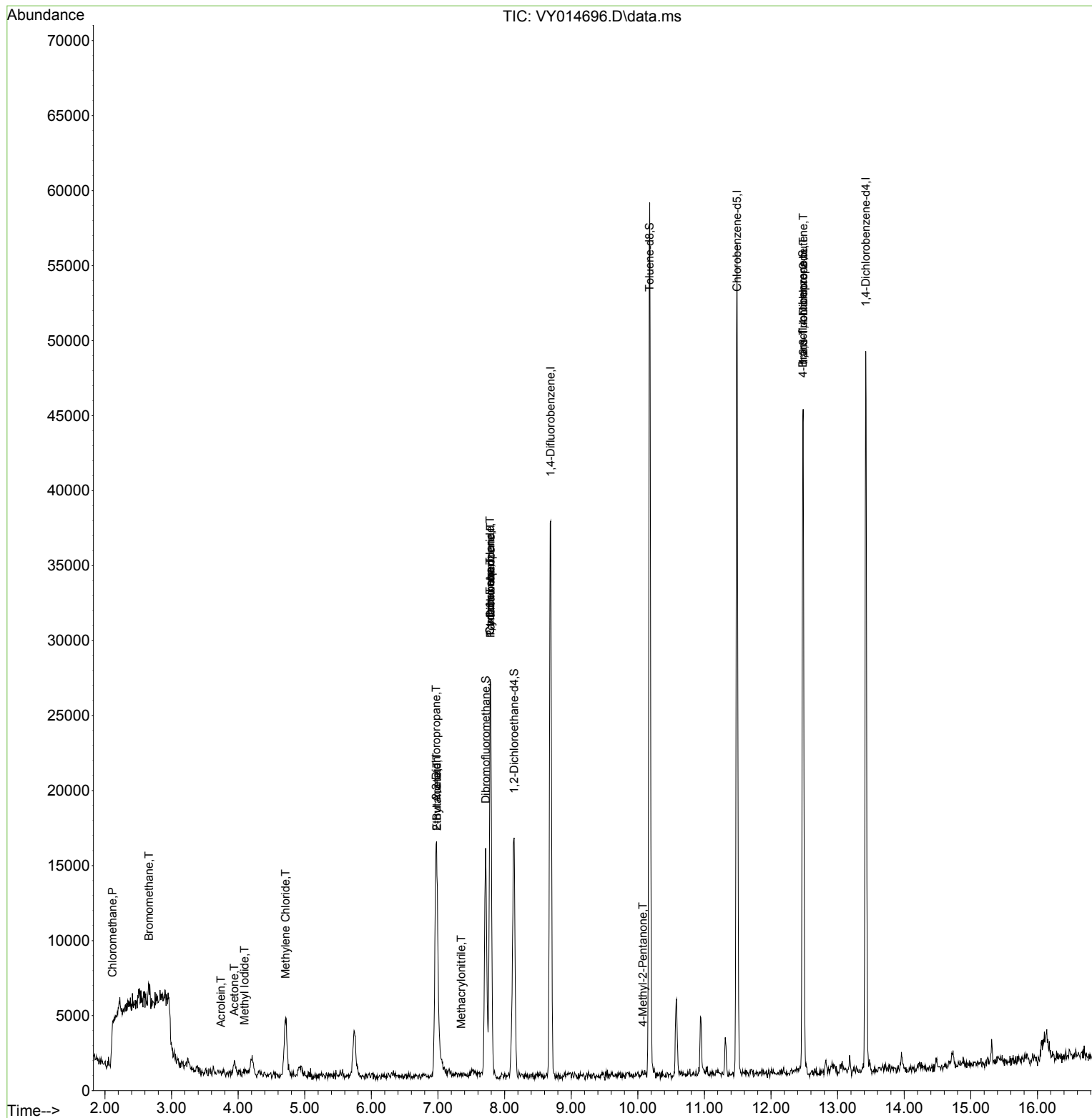
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.113	50	351	1.881	ug/l	98
5) Bromomethane	2.662	94	502	3.642	ug/l	99
10) Methyl Iodide	4.095	142	202	3.215	ug/l #	62
11) Tert butyl alcohol	4.954	59	421	Below Cal	#	89
13) Acrolein	3.741	56	44	1.813	ug/l #	1
16) Acetone	3.942	43	1728	23.480	ug/l	95
20) Methylene Chloride	4.710	84	2879	8.541	ug/l	89
25) 2-Butanone	6.984	43	1201	11.155	ug/l #	49
26) 2,2-Dichloropropane	6.972	77	1382	3.498	ug/l #	54
31) Cyclohexane	7.783	56	453	1.175	ug/l #	38
36) 1,1-Dichloropropene	7.789	75	1914	5.961	ug/l #	47
37) Ethyl Acetate	6.984	43	1201	5.433	ug/l #	17
38) Carbon Tetrachloride	7.783	117	2175	6.408	ug/l #	12
41) Methacrylonitrile	7.350	41	183	1.609	ug/l #	33
51) 4-Methyl-2-Pentanone	10.075	43	439	1.985	ug/l #	39
76) 1,2,3-Trichloropropane	12.483	75	7136	44.145	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	7136	85.473	ug/l #	10

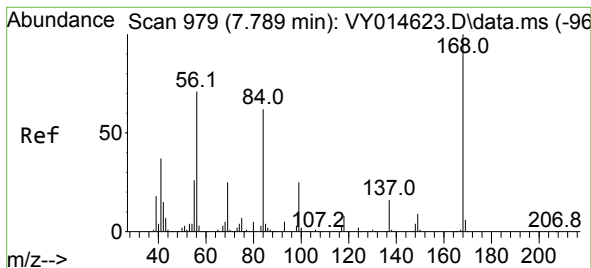
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY014696.D

Acq: 18 Jul 2023 12:58

Instrument :

MSVOA_Y

ClientSampleId :

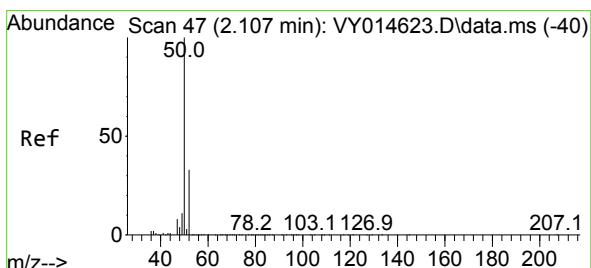
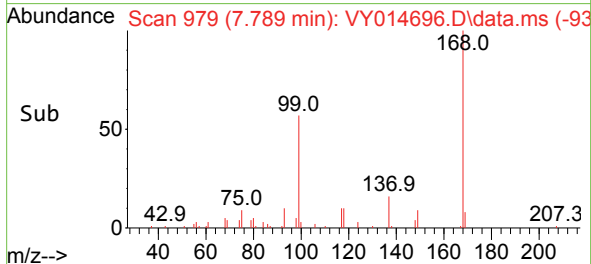
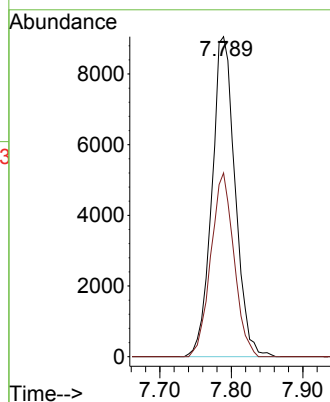
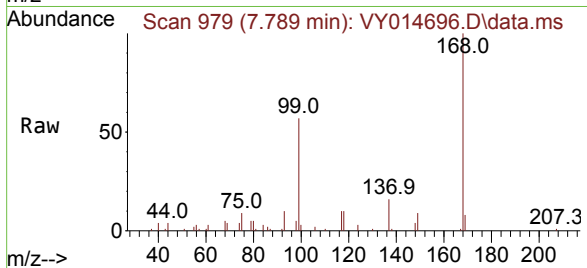
OK-01-071723

Tgt Ion:168 Resp: 20380

Ion Ratio Lower Upper

168 100

99 57.4 43.4 65.0



#3

Chloromethane

Concen: 1.881 ug/l

RT: 2.113 min Scan# 48

Delta R.T. 0.006 min

Lab File: VY014696.D

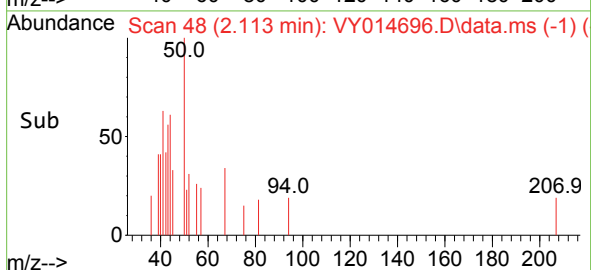
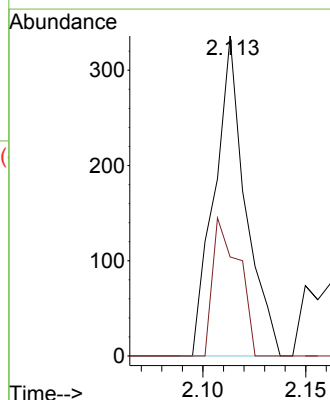
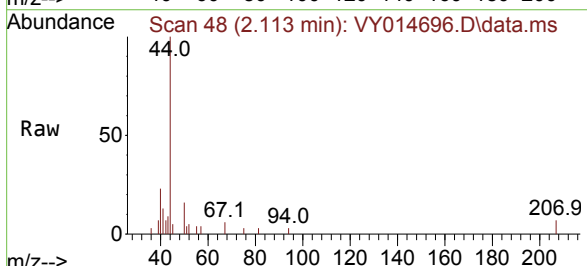
Acq: 18 Jul 2023 12:58

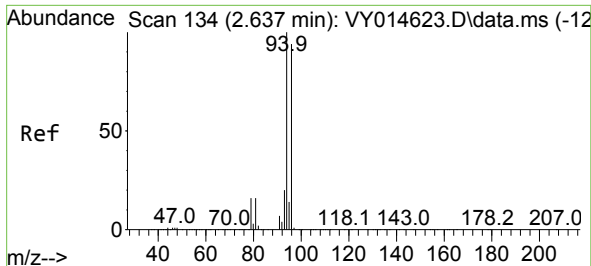
Tgt Ion: 50 Resp: 351

Ion Ratio Lower Upper

50 100

52 31.0 25.4 38.2

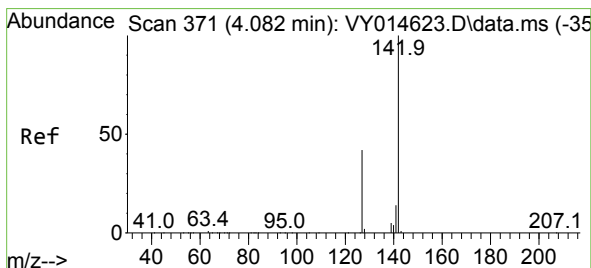
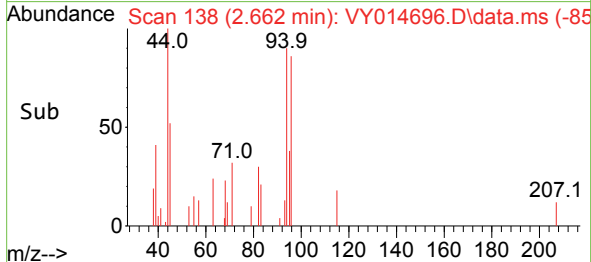
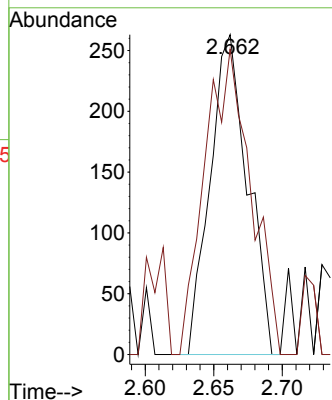
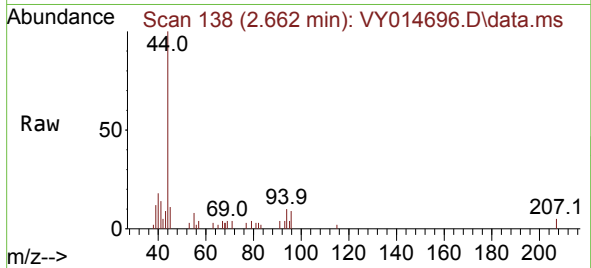




#5
Bromomethane
Concen: 3.642 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY014696.D
Acq: 18 Jul 2023 12:58

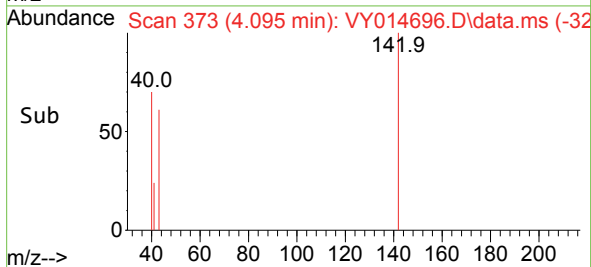
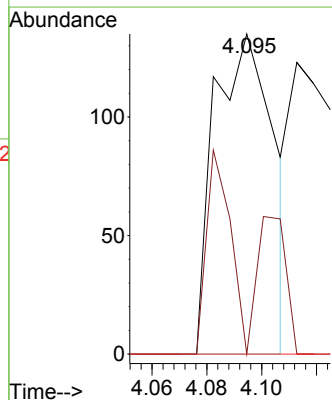
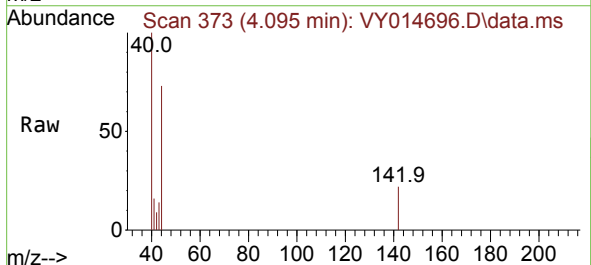
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-071723

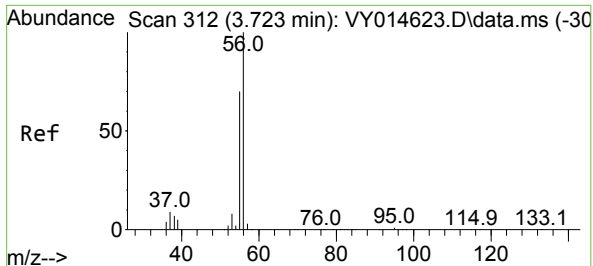
Tgt Ion: 94 Resp: 502
Ion Ratio Lower Upper
94 100
96 95.4 75.8 113.6



#10
Methyl Iodide
Concen: 3.215 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.013 min
Lab File: VY014696.D
Acq: 18 Jul 2023 12:58

Tgt Ion:142 Resp: 202
Ion Ratio Lower Upper
142 100
127 20.8 37.6 56.4#
141 0.0 11.8 17.8#

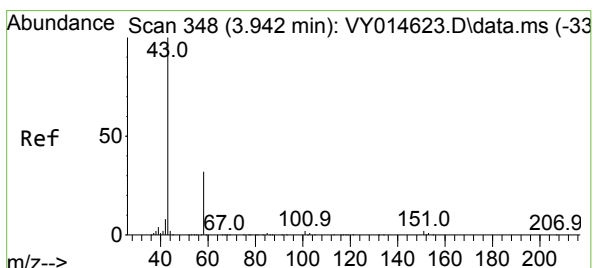
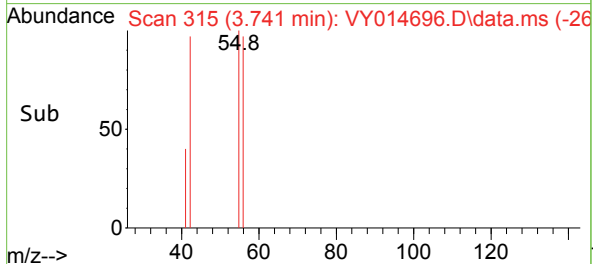
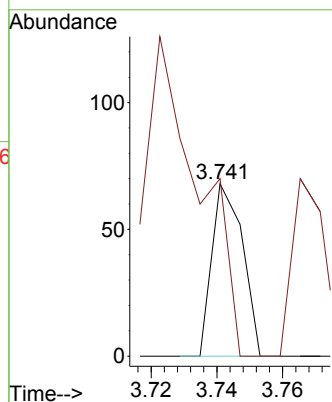
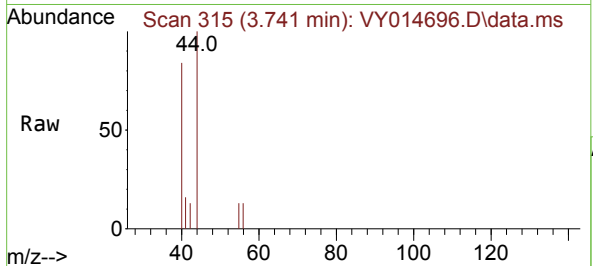




#13
Acrolein
Concen: 1.813 ug/l
RT: 3.741 min Scan# 312
Delta R.T. 0.018 min
Lab File: VY014696.D
Acq: 18 Jul 2023 12:58

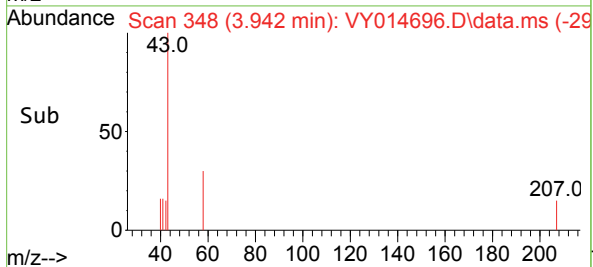
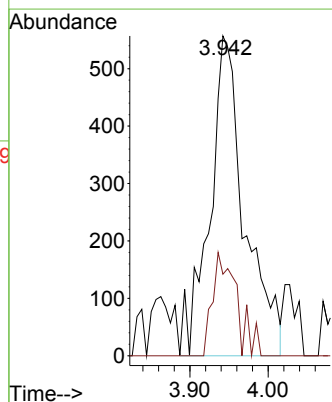
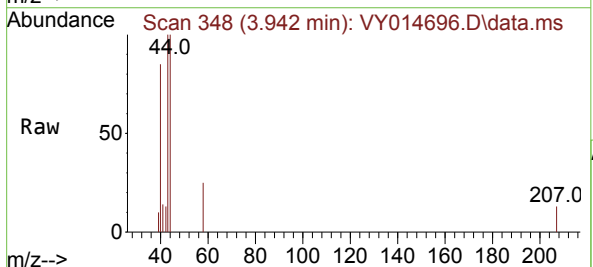
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-071723

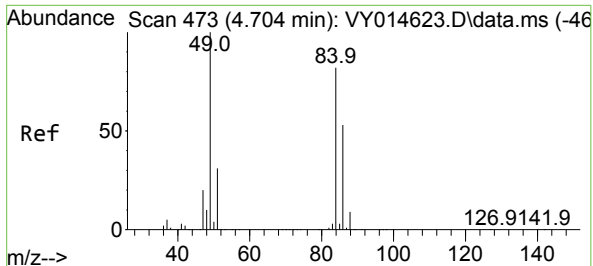
Tgt Ion: 56 Resp: 44
Ion Ratio Lower Upper
56 100
55 327.3 57.0 85.4#



#16
Acetone
Concen: 23.480 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY014696.D
Acq: 18 Jul 2023 12:58

Tgt Ion: 43 Resp: 1728
Ion Ratio Lower Upper
43 100
58 25.5 22.7 34.1



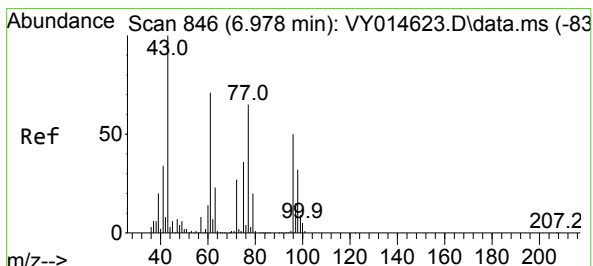
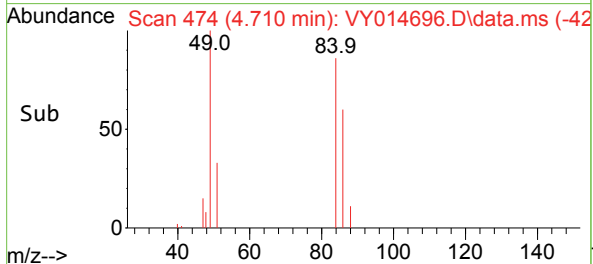
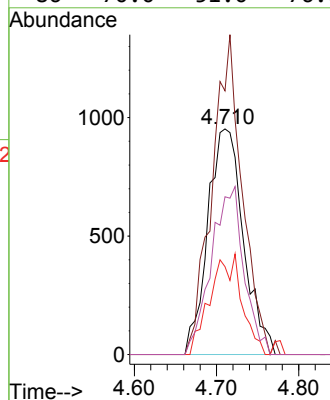
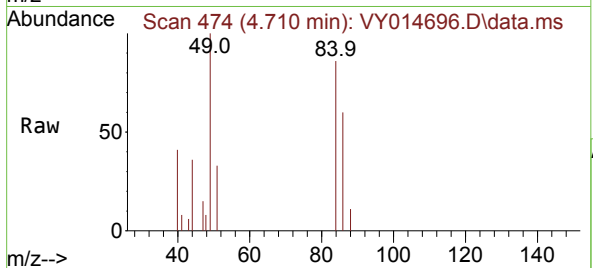


#20
Methylene Chloride
Concen: 8.541 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014696.D
Acq: 18 Jul 2023 12:58

Instrument :
MSVOA_Y
ClientSampleId :
OK-01-071723

Tgt Ion: 84 Resp: 2879

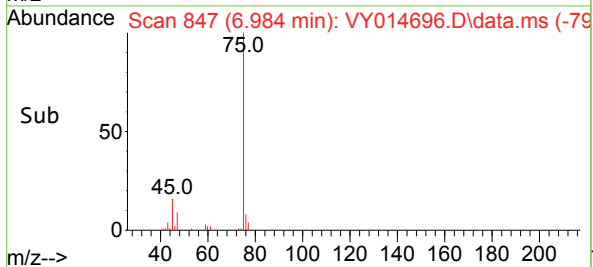
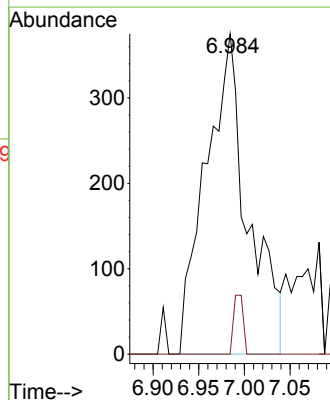
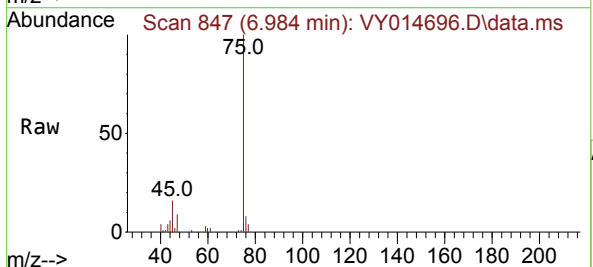
Ion	Ratio	Lower	Upper
84	100		
49	116.9	106.9	160.3
51	39.0	33.2	49.8
86	70.0	51.0	76.6

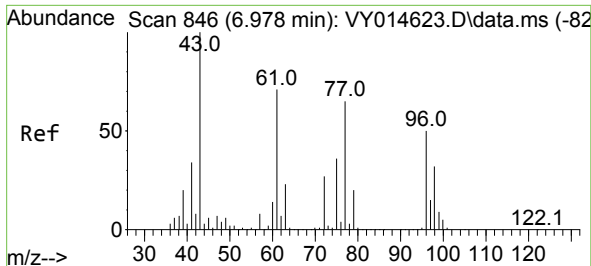


#25
2-Butanone
Concen: 11.155 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY014696.D
Acq: 18 Jul 2023 12:58

Tgt Ion: 43 Resp: 1201

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#





#26

2,2-Dichloropropane

Concen: 3.498 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY014696.D

Acq: 18 Jul 2023 12:58

Instrument :

MSVOA_Y

ClientSampleId :

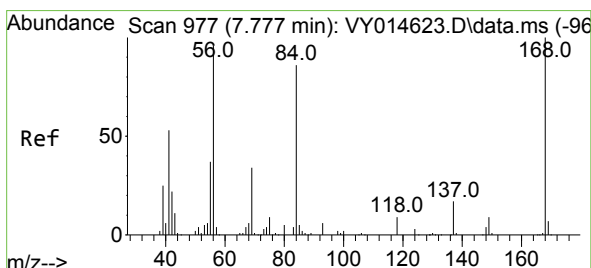
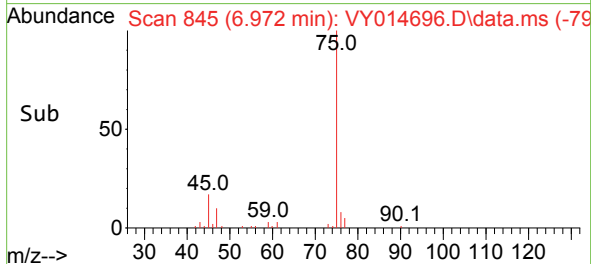
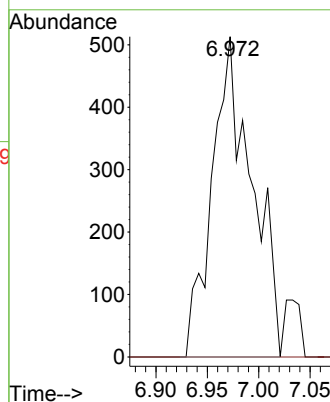
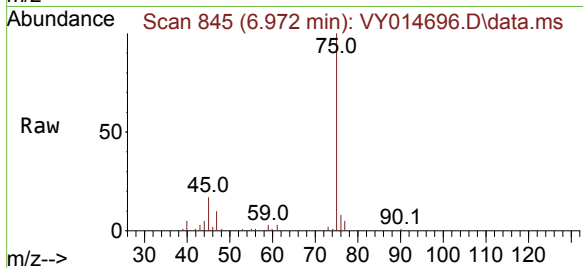
OK-01-071723

Tgt Ion: 77 Resp: 1382

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 1.175 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY014696.D

Acq: 18 Jul 2023 12:58

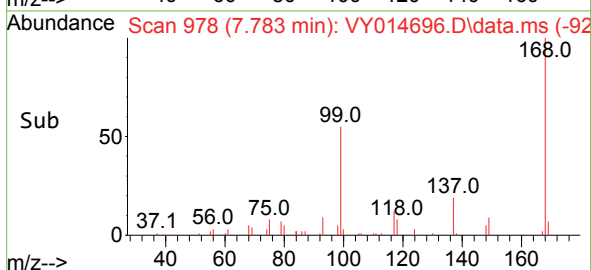
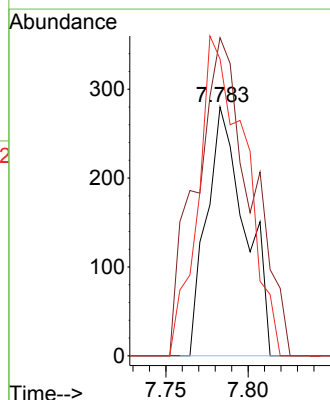
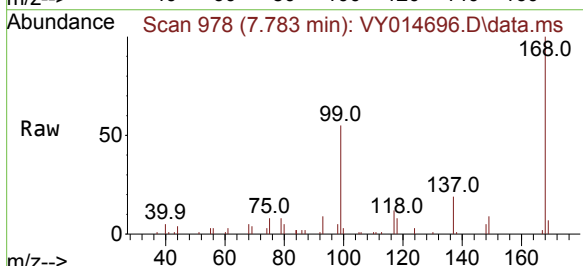
Tgt Ion: 56 Resp: 453

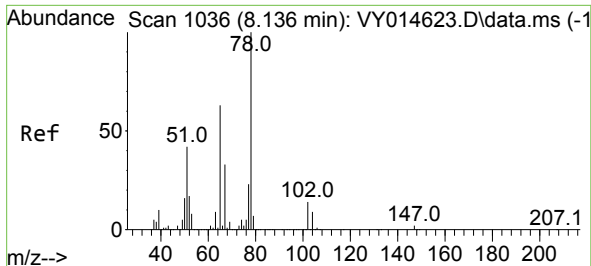
Ion Ratio Lower Upper

56 100

69 100.7 27.8 41.6#

84 119.3 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 51.908 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY014696.D

Acq: 18 Jul 2023 12:58

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ClientSampleId :

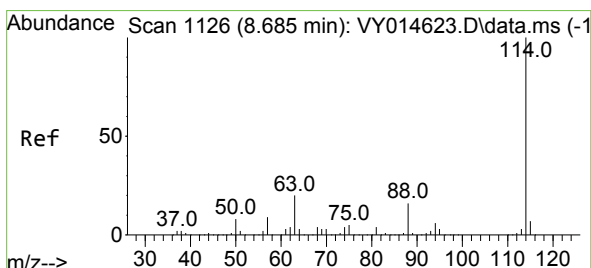
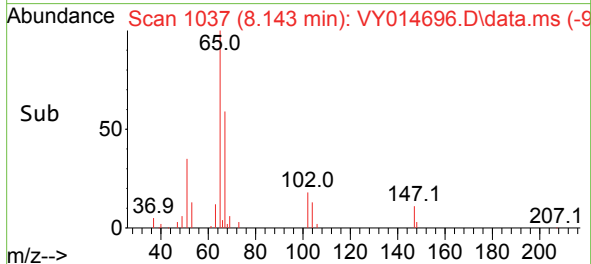
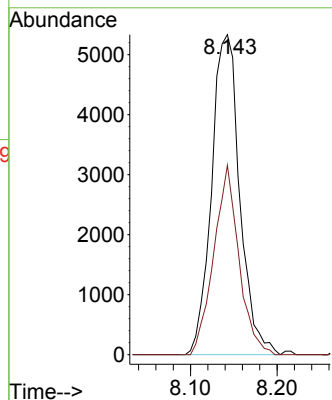
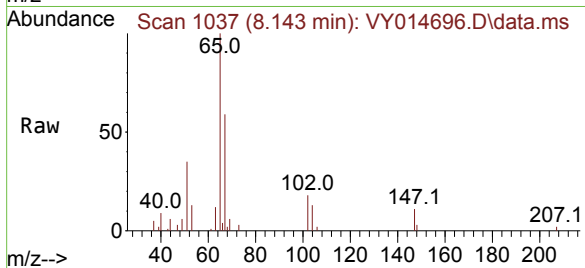
OK-01-071723

Tgt Ion: 65 Resp: 12055

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014696.D

Acq: 18 Jul 2023 12:58

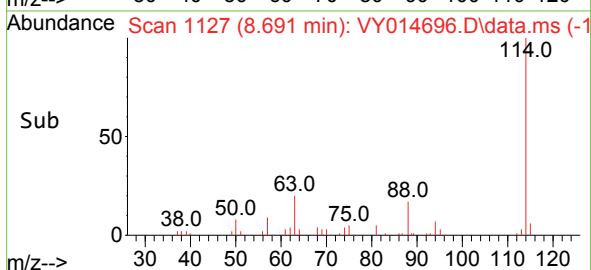
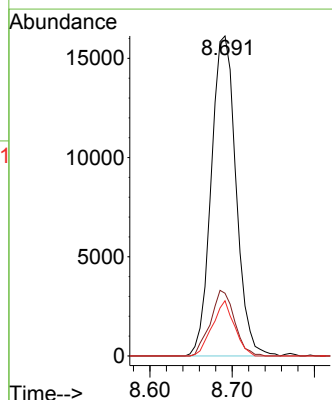
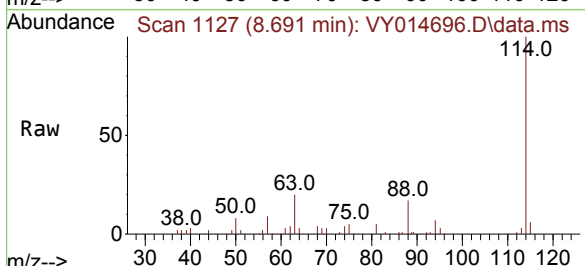
Tgt Ion: 114 Resp: 33729

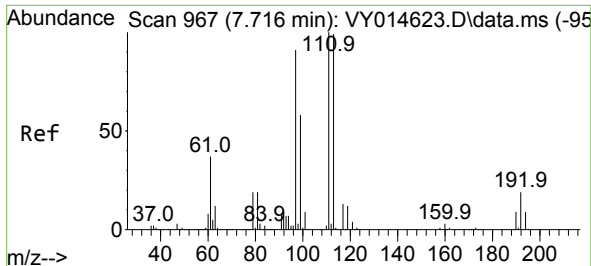
Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 17.2 0.0 30.6

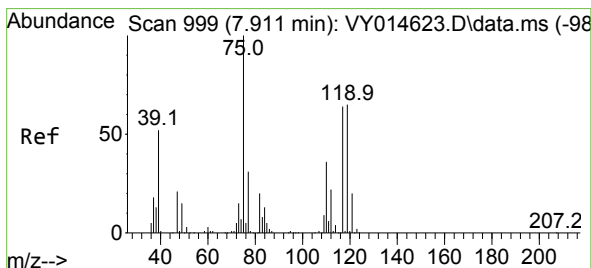
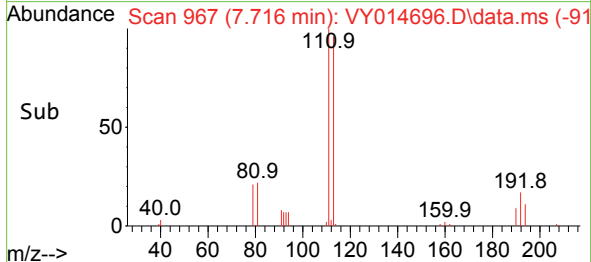
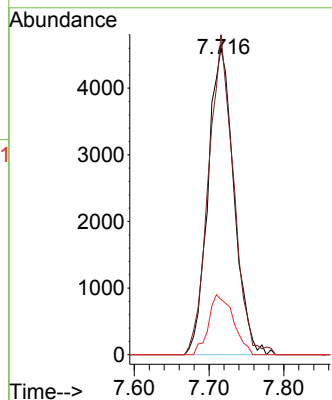
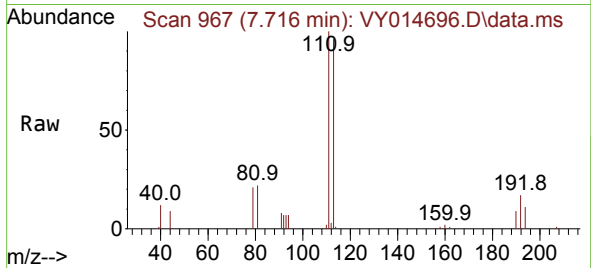




#35
Dibromofluoromethane
Concen: 51.628 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014696.D
Acq: 18 Jul 2023 12:58

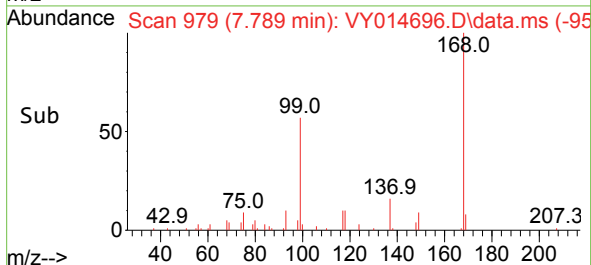
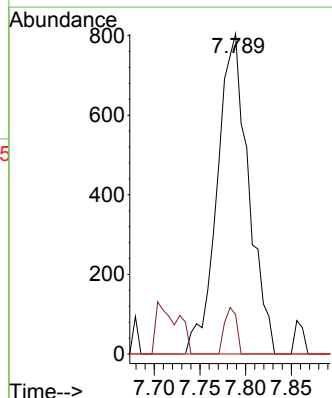
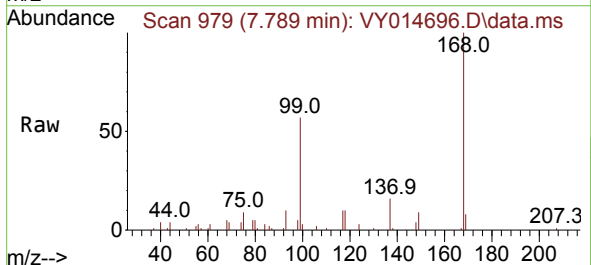
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-071723

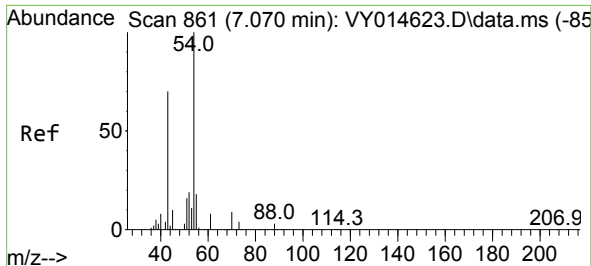
Tgt Ion:113 Resp: 11085
Ion Ratio Lower Upper
113 100
111 100.5 81.3 121.9
192 18.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.961 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY014696.D
Acq: 18 Jul 2023 12:58

Tgt Ion: 75 Resp: 1914
Ion Ratio Lower Upper
75 100
110 5.6 17.8 53.5#
77 0.0 24.4 36.6#

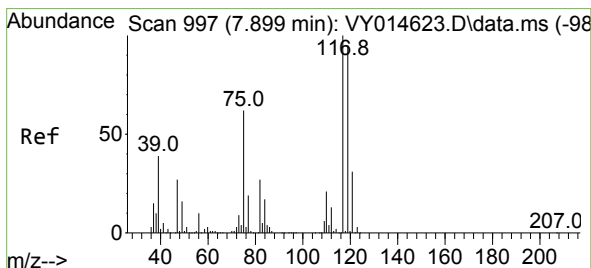
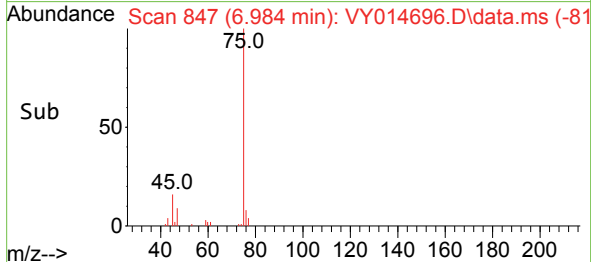
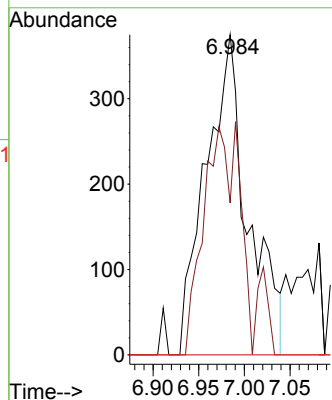
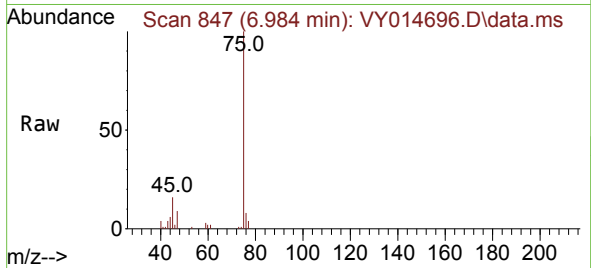




#37
Ethyl Acetate
Concen: 5.433 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.086 min
Lab File: VY014696.D
Acq: 18 Jul 2023 12:58

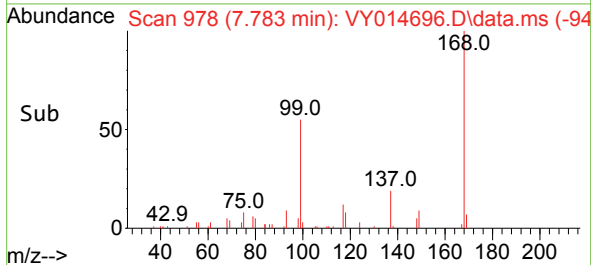
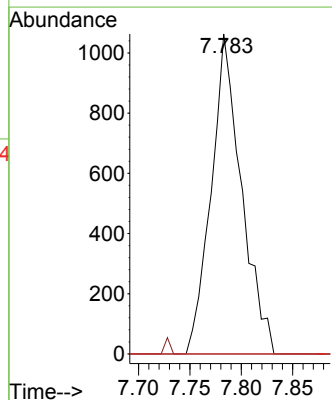
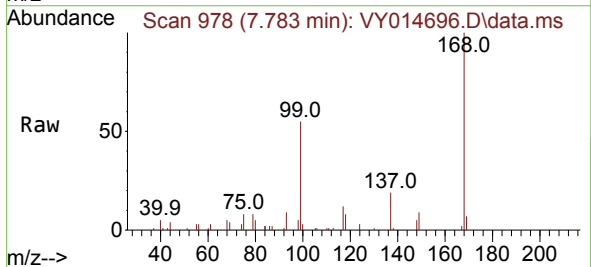
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-071723

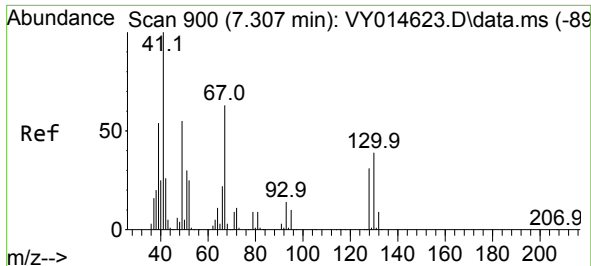
Tgt Ion: 43 Resp: 1201
Ion Ratio Lower Upper
43 100
61 61.3 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.408 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY014696.D
Acq: 18 Jul 2023 12:58

Tgt Ion: 117 Resp: 2175
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

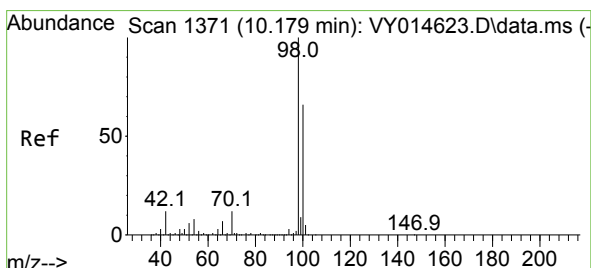
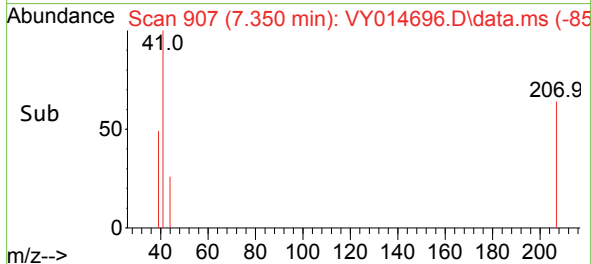
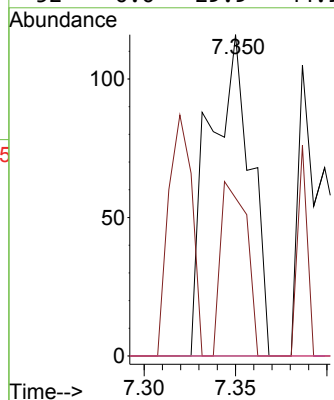
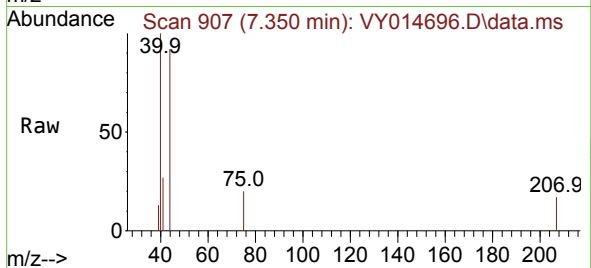




#41
Methacrylonitrile
Concen: 1.609 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.043 min
Lab File: VY014696.D
Acq: 18 Jul 2023 12:58

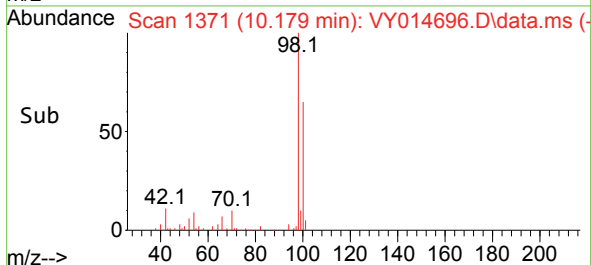
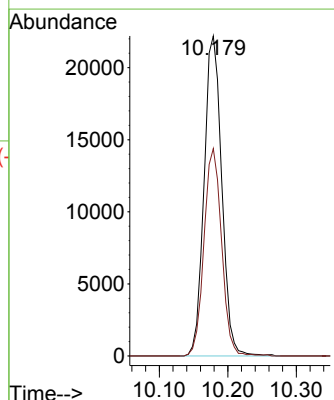
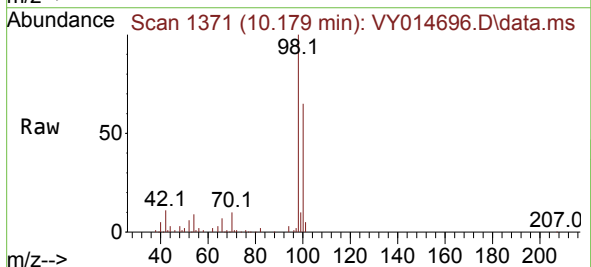
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-071723

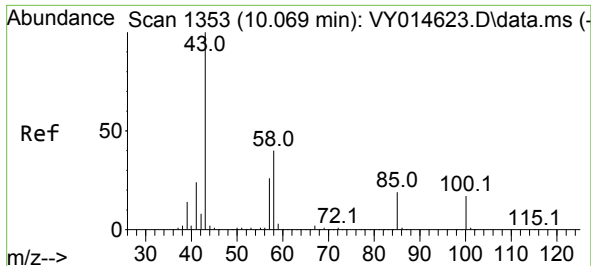
Tgt Ion:	41	Resp:	183
Ion	Ratio	Lower	Upper
41	100		
39	34.4	52.1	78.1#
67	0.0	66.2	99.2#
52	0.0	29.9	44.9#



#50
Toluene-d8
Concen: 50.286 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014696.D
Acq: 18 Jul 2023 12:58

Tgt Ion:	98	Resp:	39806
Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.1	75.1

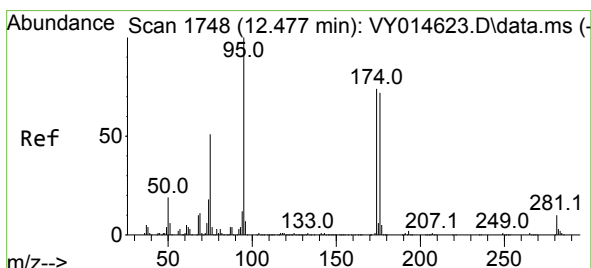
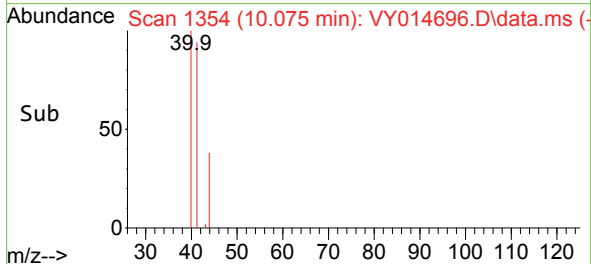
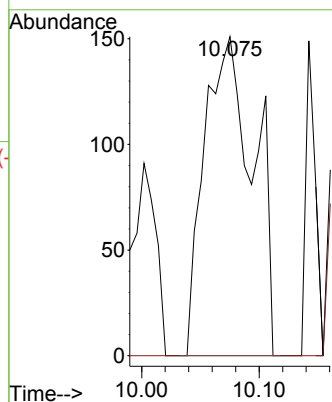
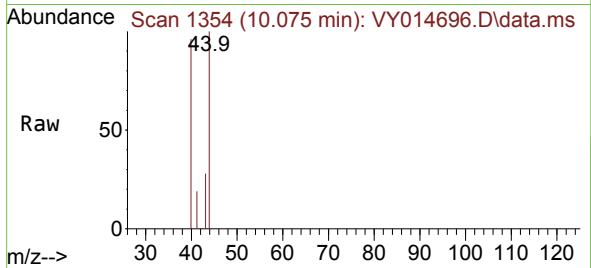




#51
4-Methyl-2-Pentanone
Concen: 1.985 ug/l
RT: 10.075 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014696.D
Acq: 18 Jul 2023 12:58

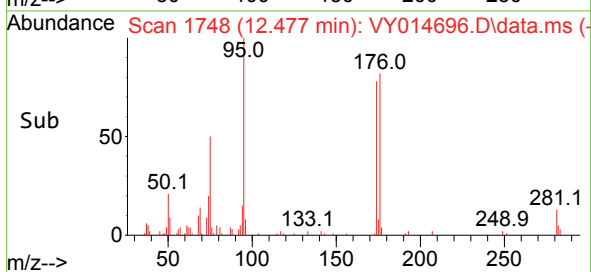
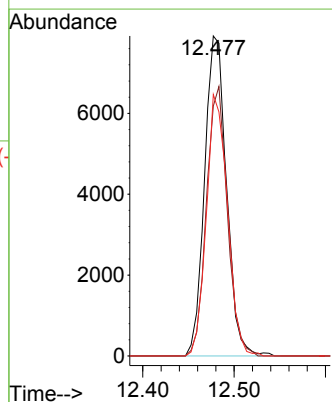
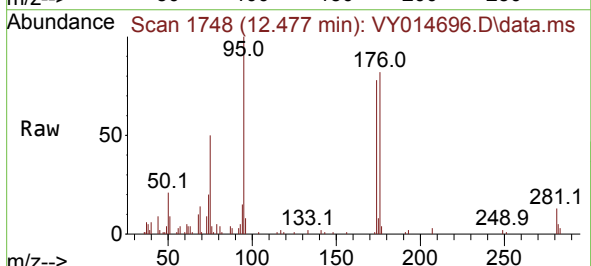
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-071723

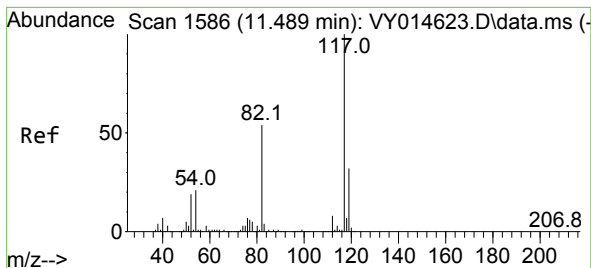
Tgt Ion: 43 Resp: 439
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#



#62
4-Bromofluorobenzene
Concen: 43.429 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014696.D
Acq: 18 Jul 2023 12:58

Tgt Ion: 95 Resp: 13182
Ion Ratio Lower Upper
95 100
174 80.3 0.0 178.2
176 78.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014696.D

Acq: 18 Jul 2023 12:58

Instrument :

MSVOA_Y

ClientSampleId :

OK-01-071723

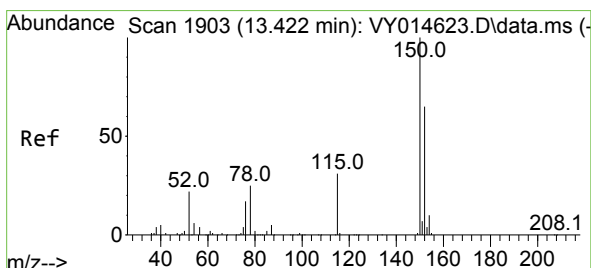
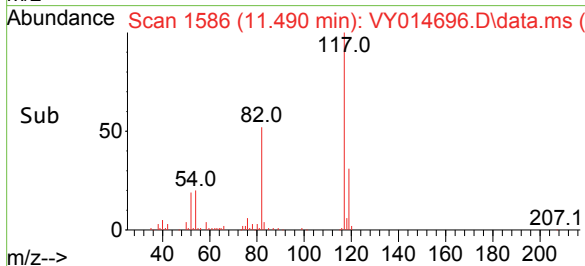
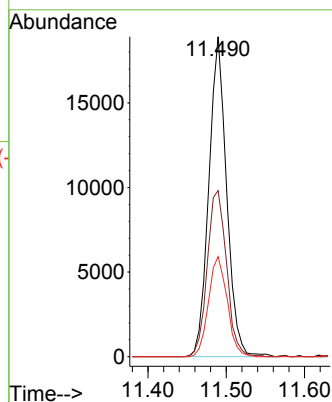
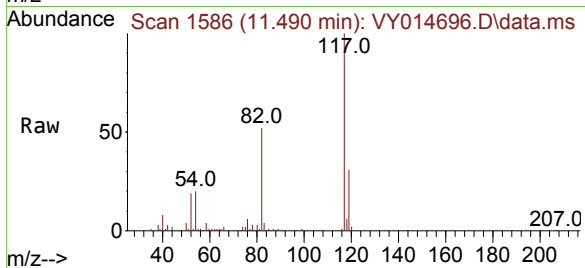
Tgt Ion:117 Resp: 29789

Ion Ratio Lower Upper

117 100

82 51.9 43.4 65.0

119 31.3 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014696.D

Acq: 18 Jul 2023 12:58

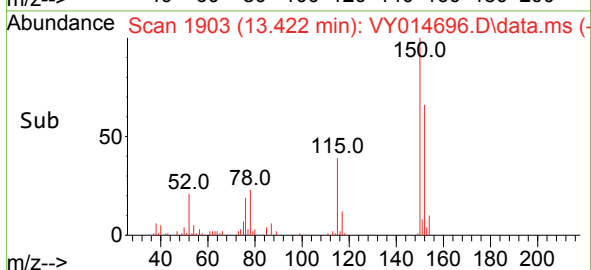
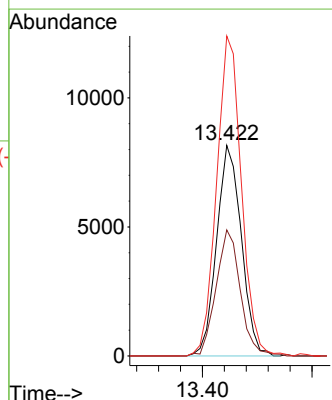
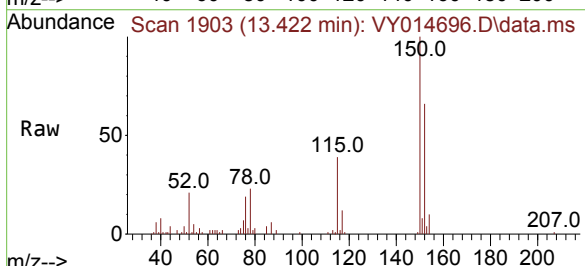
Tgt Ion:152 Resp: 12799

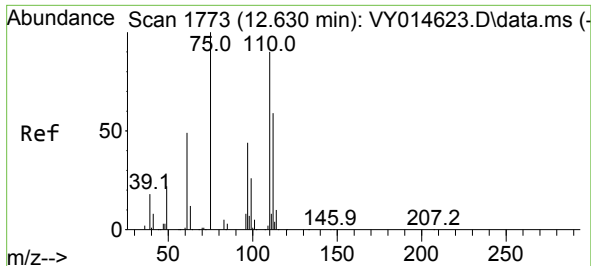
Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 152.2 0.0 348.8

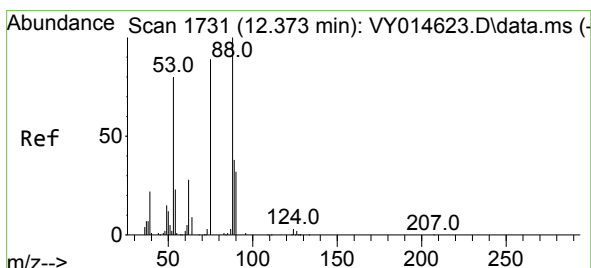
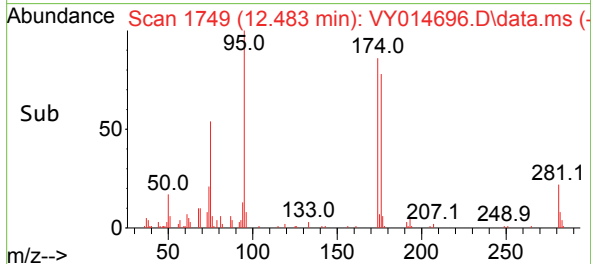
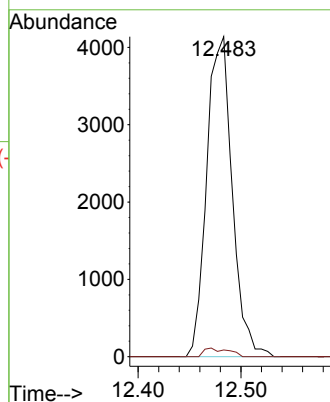
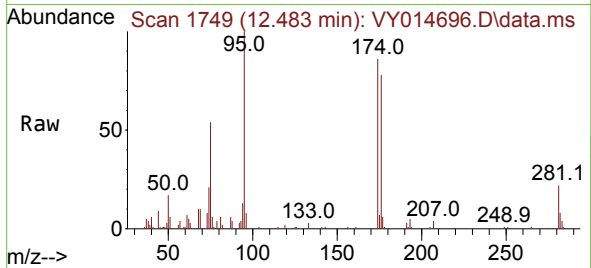




#76
1,2,3-Trichloropropane
Concen: 44.145 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY014696.D
Acq: 18 Jul 2023 12:58

Instrument :
MSVOA_Y
ClientSampleId :
OK-01-071723

Tgt Ion: 75 Resp: 7136
Ion Ratio Lower Upper
75 100
77 2.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.473 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY014696.D
Acq: 18 Jul 2023 12:58

Tgt Ion: 75 Resp: 7136
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

