

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100423\
 Data File : VY015829.D
 Acq On : 04 Oct 2023 15:49
 Operator : SY/MD
 Sample : 04714-10
 Misc : 5.49g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 05 06:55:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

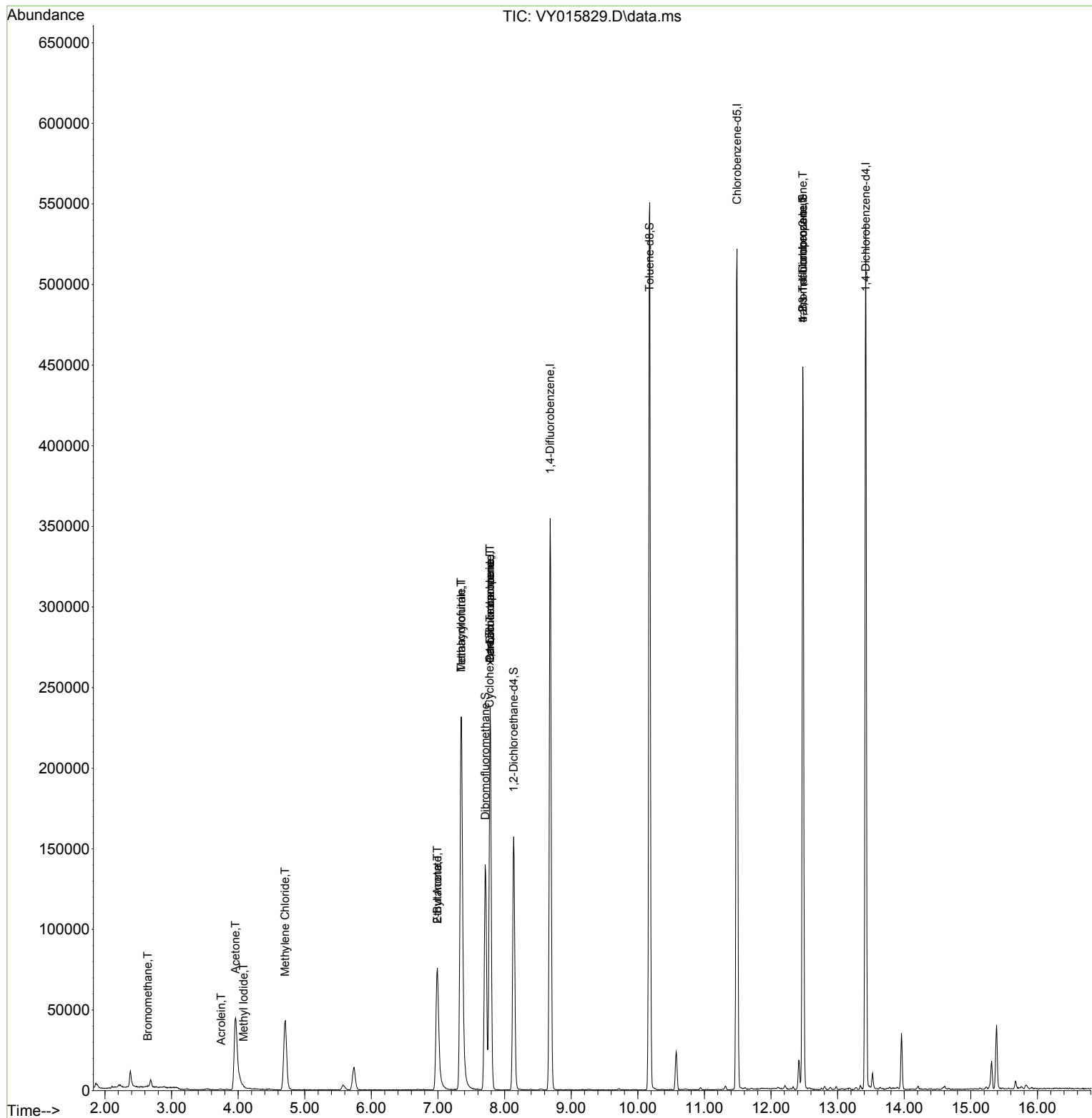
Internal Standards						
1) Pentafluorobenzene	7.783	168	180524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	308010	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	284393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	134705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	122059	61.451	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.900%	
35) Dibromofluoromethane	7.710	113	100138	54.318	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.640%	
50) Toluene-d8	10.179	98	362371	57.972	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 115.940%	
62) 4-Bromofluorobenzene	12.477	95	127724	52.068	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.140%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.644	94	263	2.703	ug/l #	79
10) Methyl Iodide	4.082	142	154	2.797	ug/l #	38
11) Tert butyl alcohol	4.911	59	22	Below Cal	#	89
13) Acrolein	3.747	56	679	2.232	ug/l	89
16) Acetone	3.960	43	111961	105.329	ug/l	92
20) Methylene Chloride	4.704	84	33683	10.661	ug/l	89
25) 2-Butanone	6.990	43	149685	99.627	ug/l	98
29) Tetrahydrofuran	7.350	42	207407	244.237	ug/l	92
31) Cyclohexane	7.777	56	3610	1.312	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14351	5.265	ug/l #	50
37) Ethyl Acetate	6.990	43	149685	55.053	ug/l #	71
38) Carbon Tetrachloride	7.783	117	17730	5.992	ug/l #	16
41) Methacrylonitrile	7.350	41	115445	78.858	ug/l #	37
76) 1,2,3-Trichloropropane	12.477	75	68107	31.693	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	68107	71.368	ug/l #	11

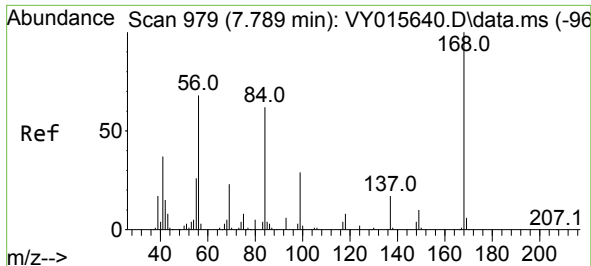
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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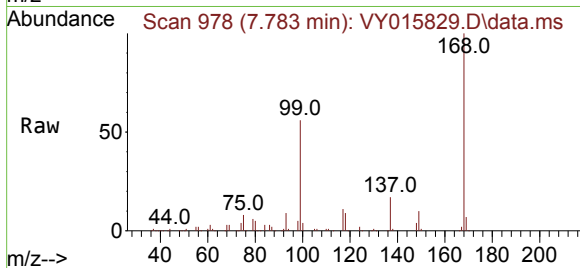
Quant Time: Oct 05 06:55:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
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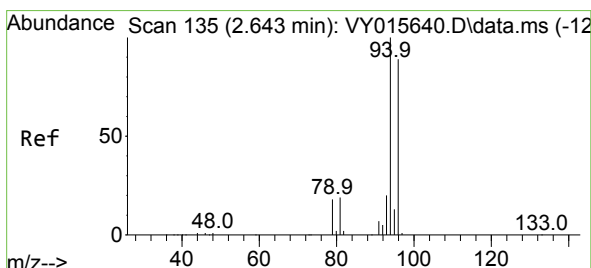
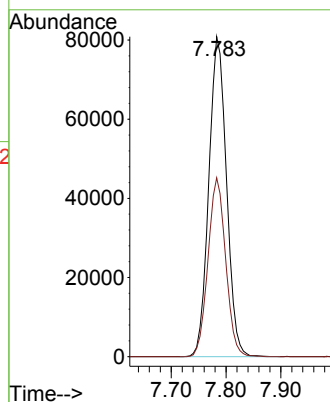
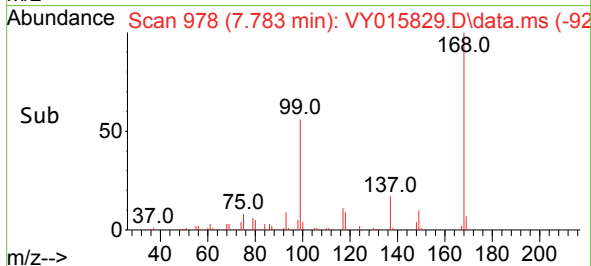


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015829.D
Acq: 04 Oct 2023 15:49

Instrument :
MSVOA_Y
ClientSampleId :

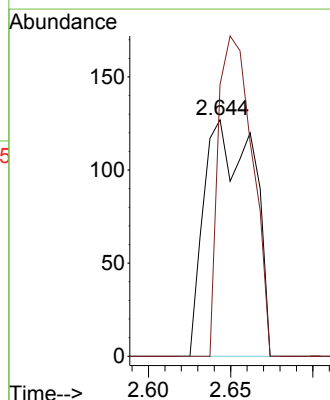
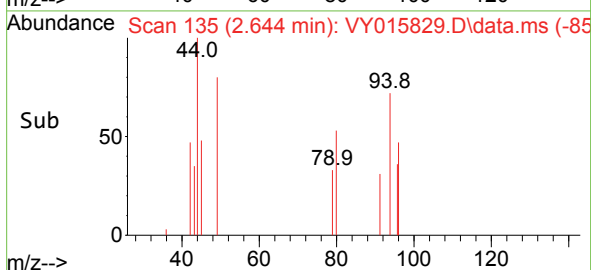
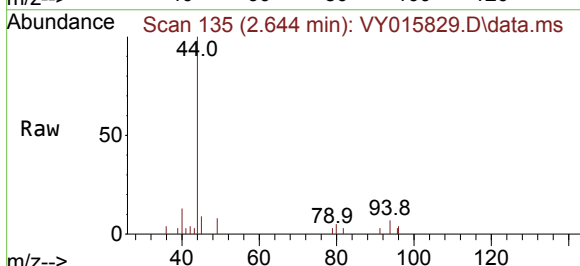


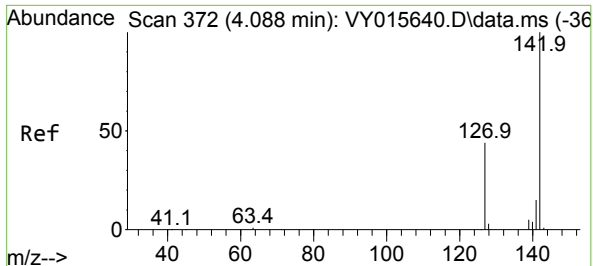
Tgt Ion:168 Resp: 180524
Ion Ratio Lower Upper
168 100
99 55.9 43.4 65.0



#5
Bromomethane
Concen: 2.703 ug/l
RT: 2.644 min Scan# 135
Delta R.T. 0.006 min
Lab File: VY015829.D
Acq: 04 Oct 2023 15:49

Tgt Ion: 94 Resp: 263
Ion Ratio Lower Upper
94 100
96 115.0 75.8 113.6#





#10

Methyl Iodide

Concen: 2.797 ug/l

RT: 4.082 min Scan# 31

Delta R.T. 0.000 min

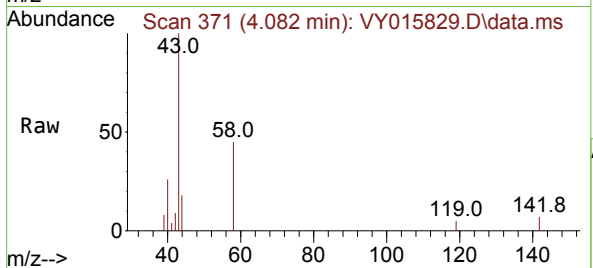
Lab File: VY015829.D

Acq: 04 Oct 2023 15:49

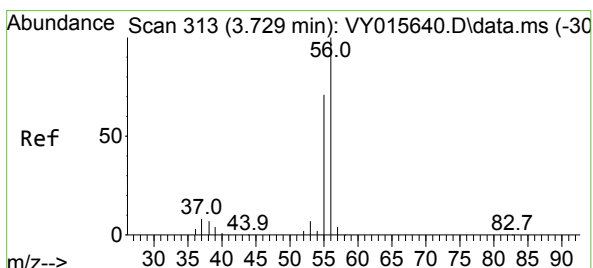
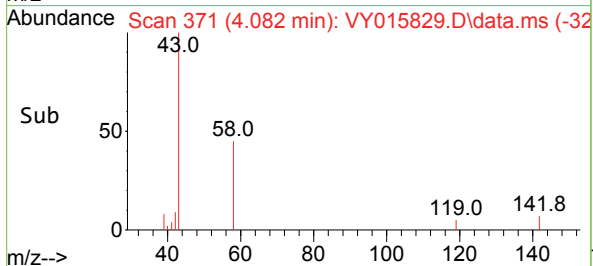
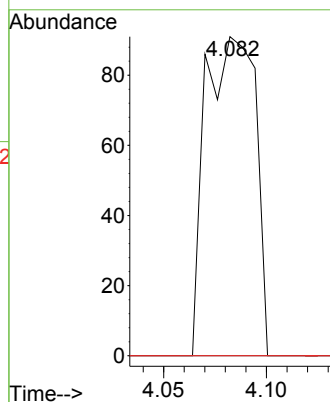
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	142	Resp:	154
Ion	Ratio	Lower	Upper
142	100		
127	0.0	37.6	56.4#
141	0.0	11.8	17.8#



#13

Acrolein

Concen: 2.232 ug/l

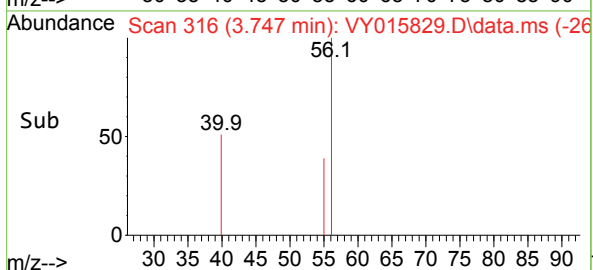
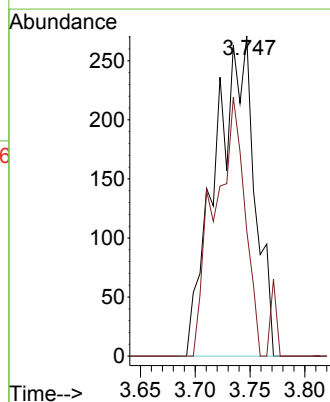
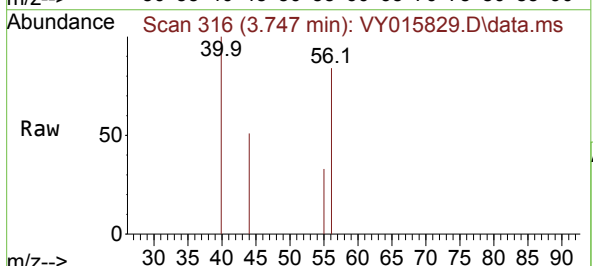
RT: 3.747 min Scan# 316

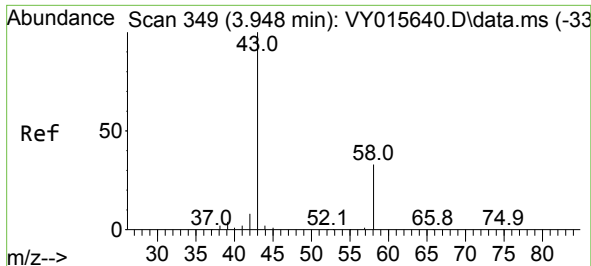
Delta R.T. 0.024 min

Lab File: VY015829.D

Acq: 04 Oct 2023 15:49

Tgt Ion:	56	Resp:	679
Ion	Ratio	Lower	Upper
56	100		
55	62.2	57.0	85.4

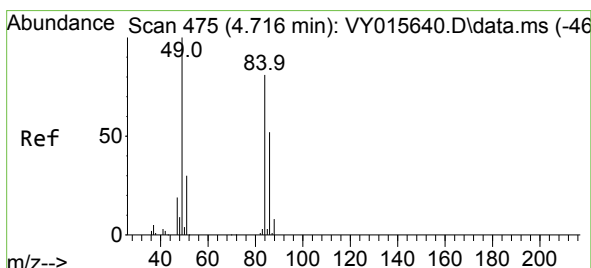
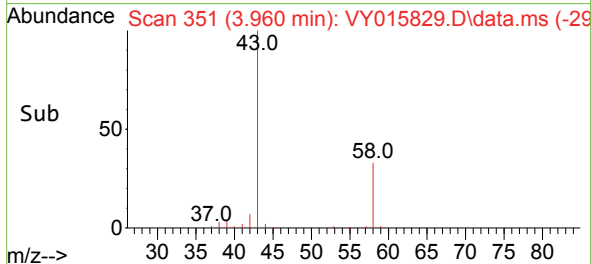
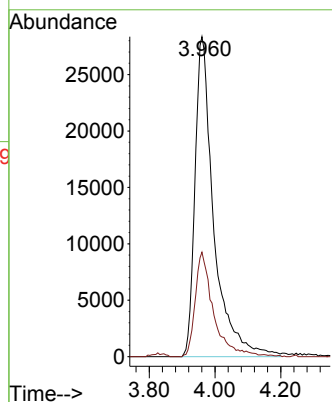
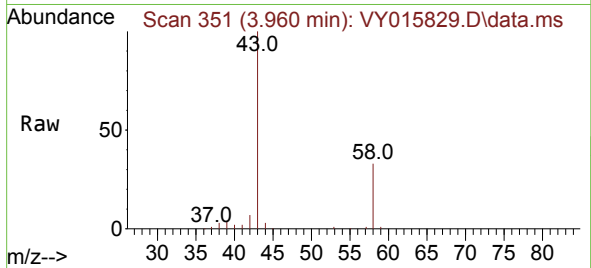




#16
Acetone
Concen: 105.329 ug/l
RT: 3.960 min Scan# 311
Delta R.T. 0.018 min
Lab File: VY015829.D
Acq: 04 Oct 2023 15:49

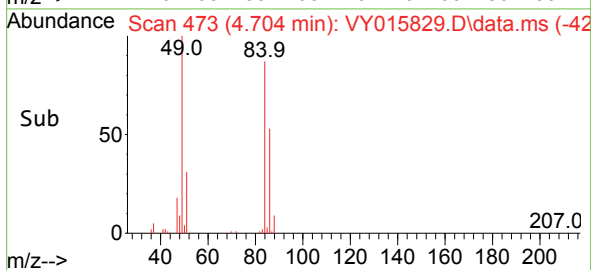
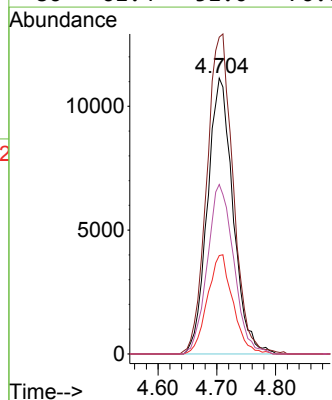
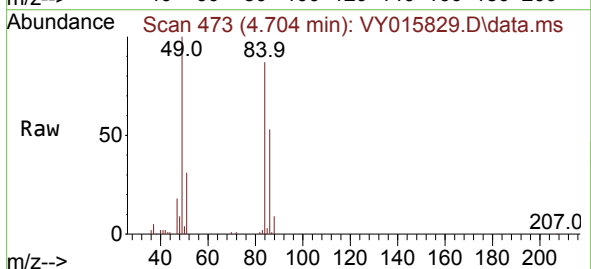
Instrument :
MSVOA_Y
ClientSampleId :

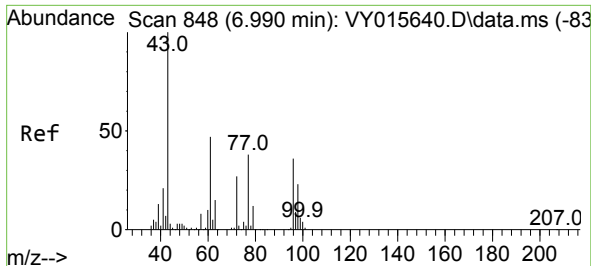
Tgt Ion: 43 Resp: 111961
Ion Ratio Lower Upper
43 100
58 32.7 22.7 34.1



#20
Methylene Chloride
Concen: 10.661 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY015829.D
Acq: 04 Oct 2023 15:49

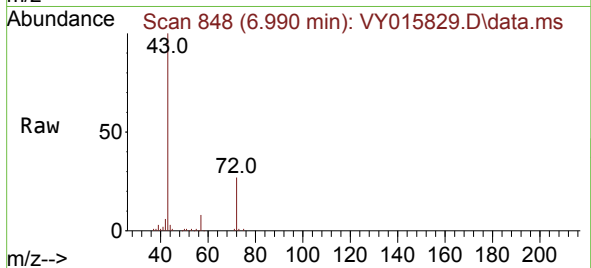
Tgt Ion: 84 Resp: 33683
Ion Ratio Lower Upper
84 100
49 114.9 106.9 160.3
51 35.7 33.2 49.8
86 61.4 51.0 76.6



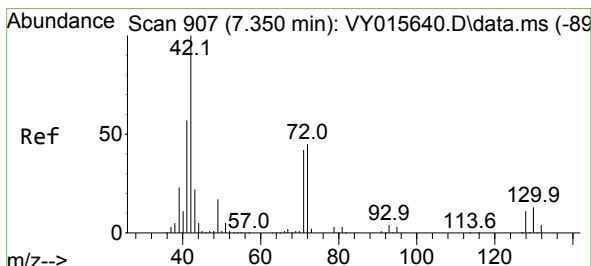
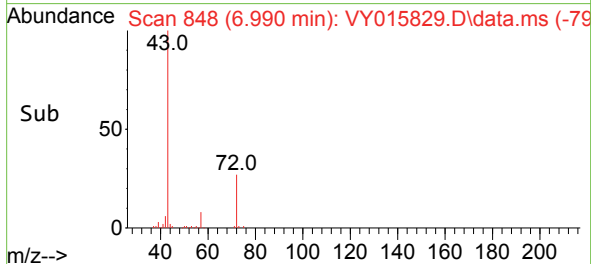
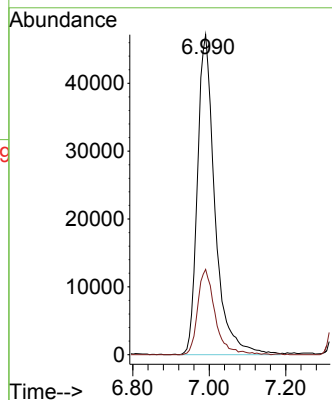


#25
2-Butanone
Concen: 99.627 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY015829.D
Acq: 04 Oct 2023 15:49

Instrument :
MSVOA_Y
ClientSampleId :

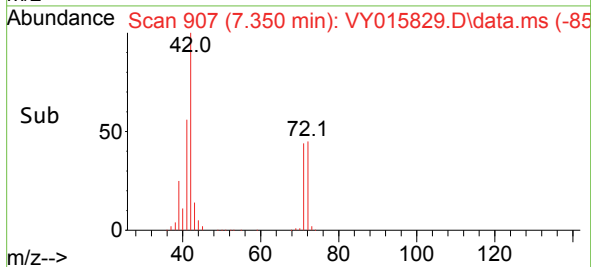
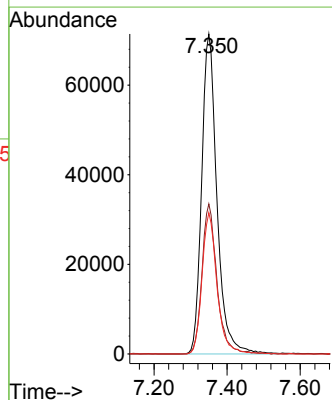
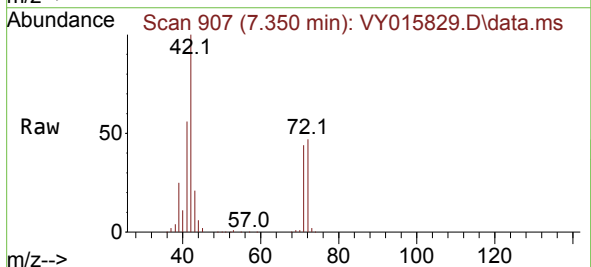


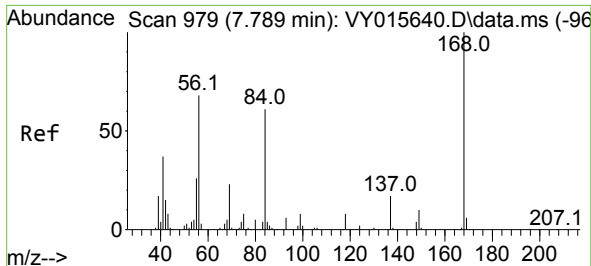
Tgt Ion: 43 Resp: 149685
Ion Ratio Lower Upper
43 100
72 26.6 20.5 30.7



#29
Tetrahydrofuran
Concen: 244.237 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY015829.D
Acq: 04 Oct 2023 15:49

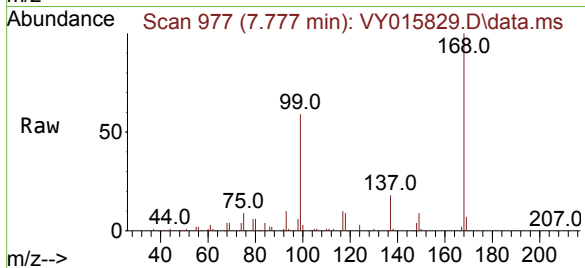
Tgt Ion: 42 Resp: 207407
Ion Ratio Lower Upper
42 100
72 46.0 32.8 49.2
71 43.1 31.0 46.4



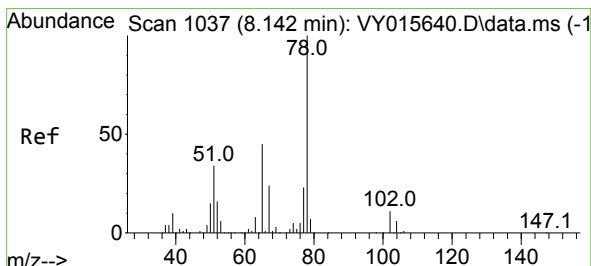
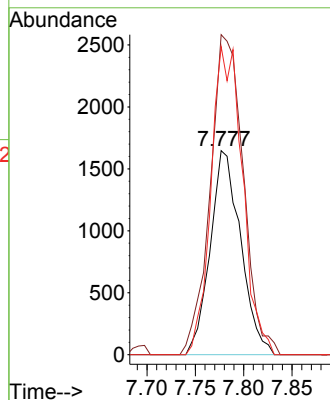
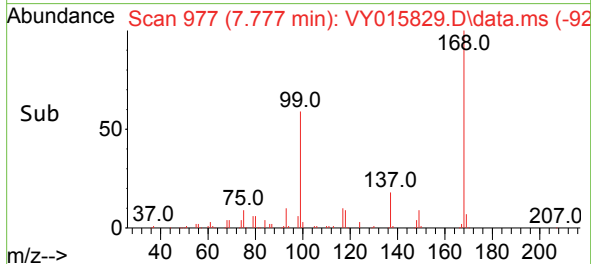


#31
Cyclohexane
Concen: 1.312 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015829.D
Acq: 04 Oct 2023 15:49

Instrument :
MSVOA_Y
ClientSampleId :

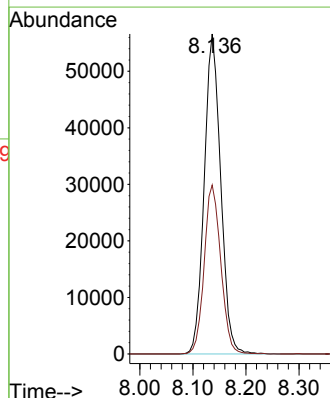
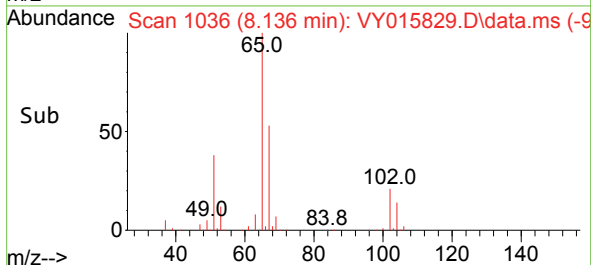
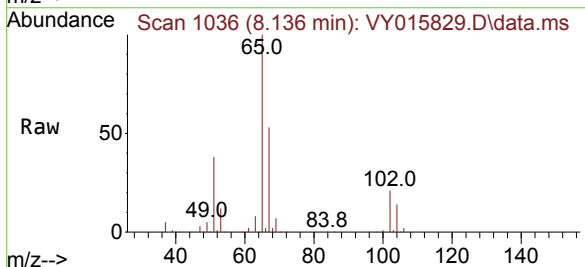


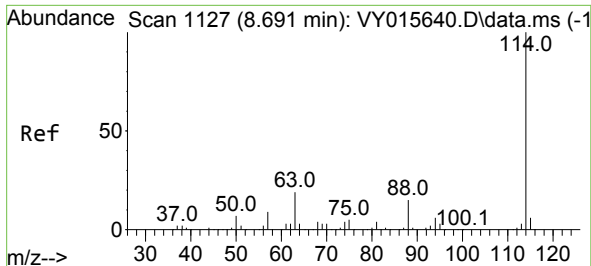
Tgt Ion	Ratio	Lower	Upper
56	100		
69	156.8	27.8	41.6#
84	150.9	66.4	99.6#



#33
1,2-Dichloroethane-d4
Concen: 61.451 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015829.D
Acq: 04 Oct 2023 15:49

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015829.D

Acq: 04 Oct 2023 15:49

Instrument :

MSVOA_Y

ClientSampleId :

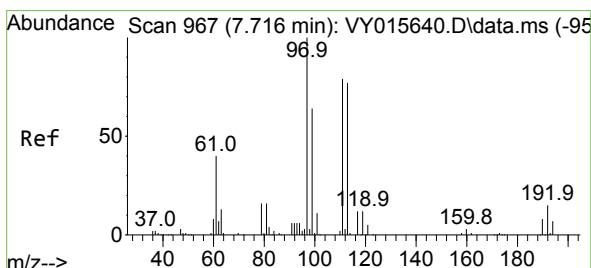
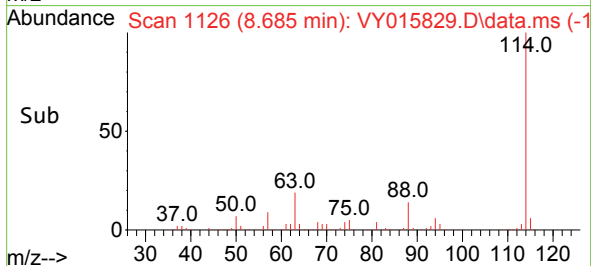
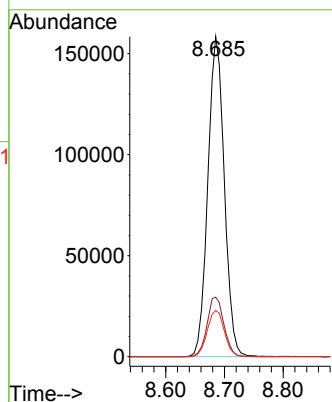
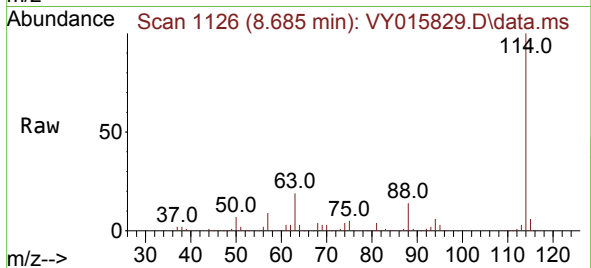
Tgt Ion:114 Resp: 308010

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 14.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.318 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015829.D

Acq: 04 Oct 2023 15:49

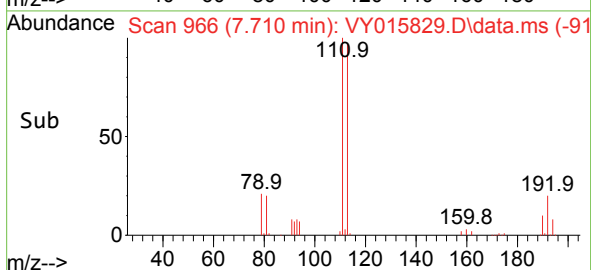
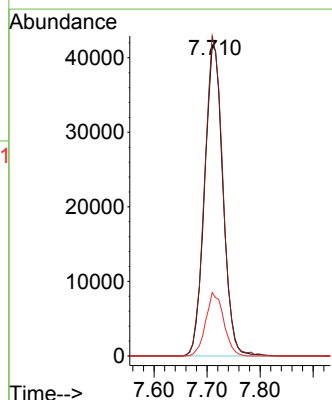
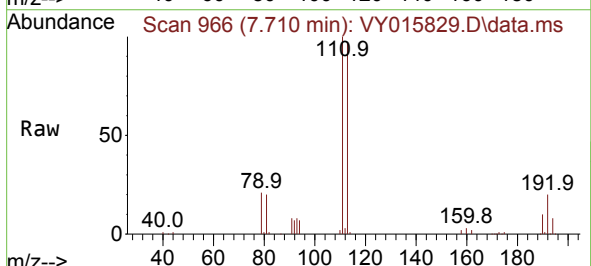
Tgt Ion:113 Resp: 100138

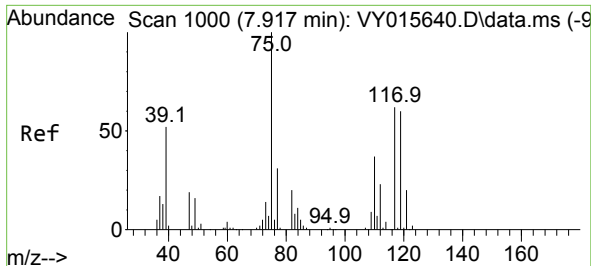
Ion Ratio Lower Upper

113 100

111 102.3 81.3 121.9

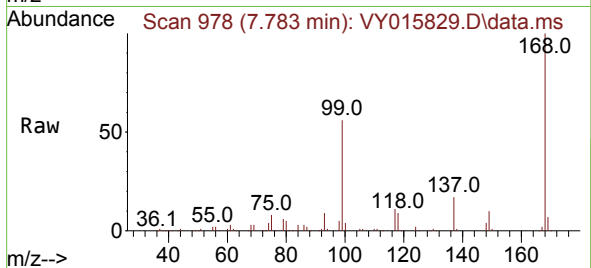
192 20.1 16.9 25.3



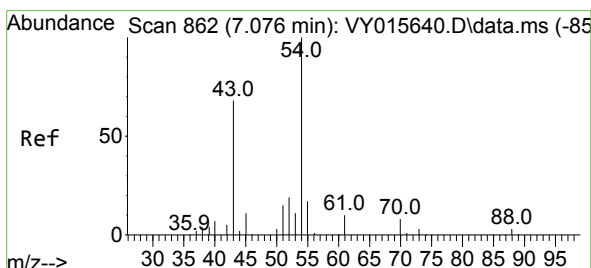
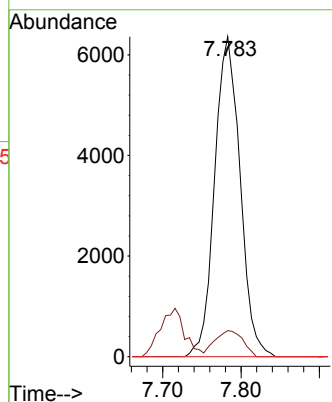
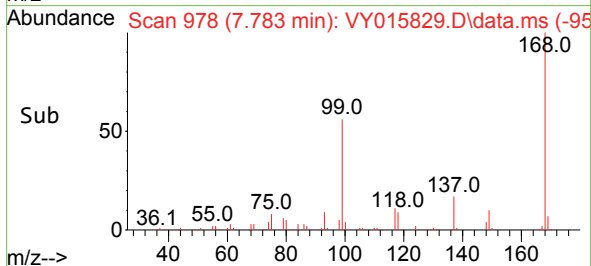


#36
1,1-Dichloropropene
Concen: 5.265 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015829.D
Acq: 04 Oct 2023 15:49

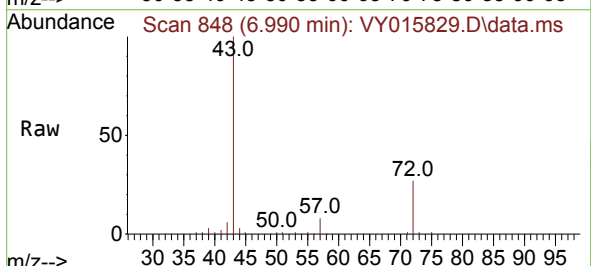
Instrument :
MSVOA_Y
ClientSampleId :



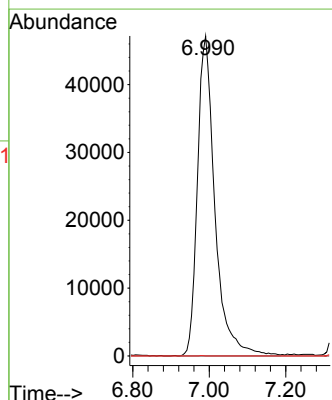
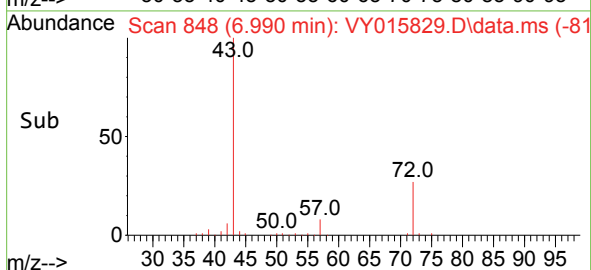
Tgt Ion: 75 Resp: 14351
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.5#
77 0.0 24.4 36.6#

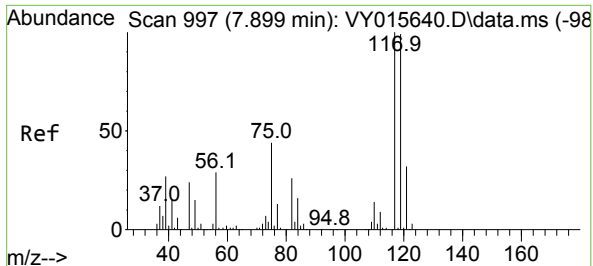


#37
Ethyl Acetate
Concen: 55.053 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.073 min
Lab File: VY015829.D
Acq: 04 Oct 2023 15:49



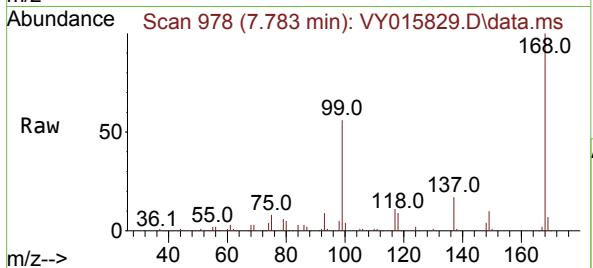
Tgt Ion: 43 Resp: 149685
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#



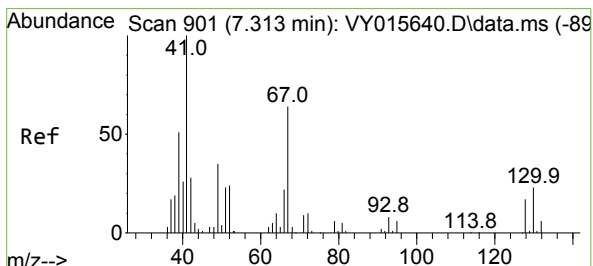
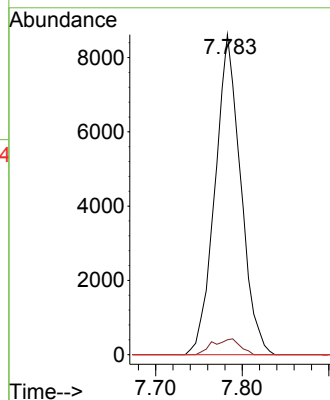
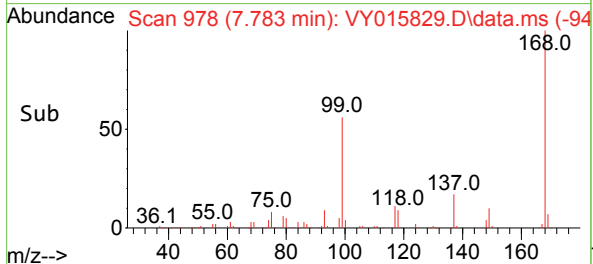


#38
Carbon Tetrachloride
Concen: 5.992 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015829.D
Acq: 04 Oct 2023 15:49

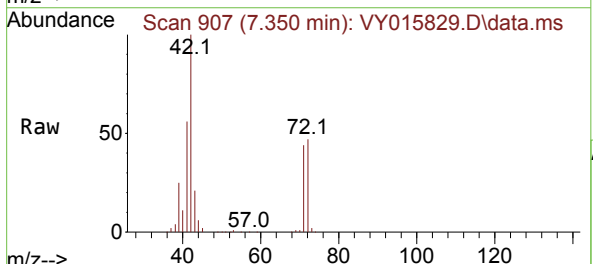
Instrument :
MSVOA_Y
ClientSampleId :



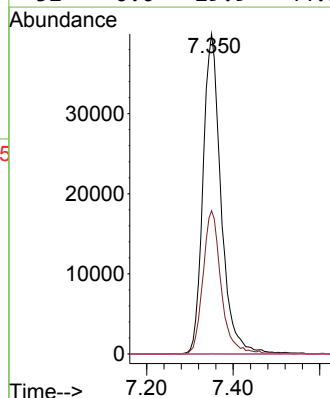
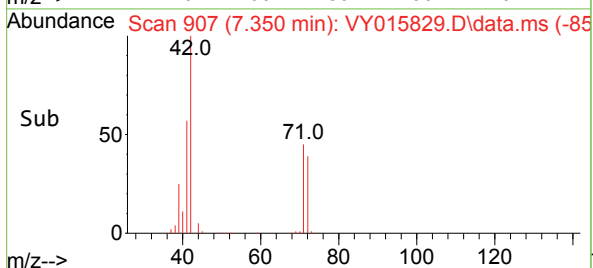
Tgt Ion:117 Resp: 17730
Ion Ratio Lower Upper
117 100
119 4.7 76.4 114.6#
121 0.0 25.8 38.6#

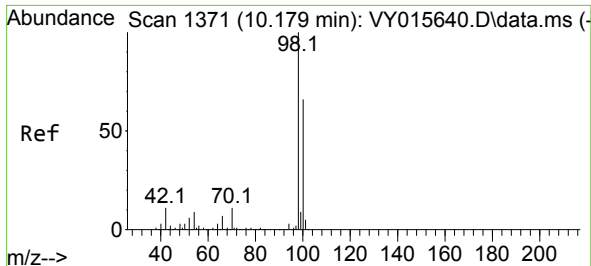


#41
Methacrylonitrile
Concen: 78.858 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.037 min
Lab File: VY015829.D
Acq: 04 Oct 2023 15:49



Tgt Ion: 41 Resp: 115445
Ion Ratio Lower Upper
41 100
39 44.9 52.1 78.1#
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

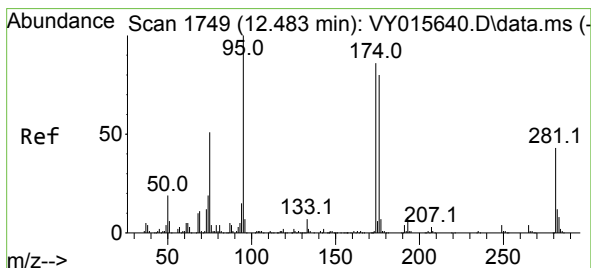
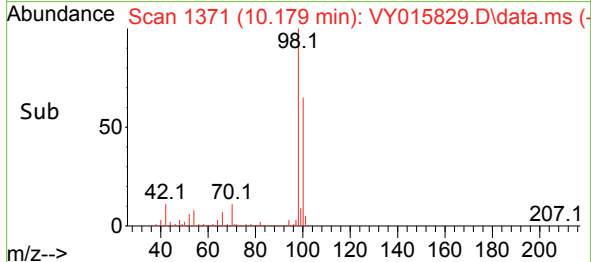
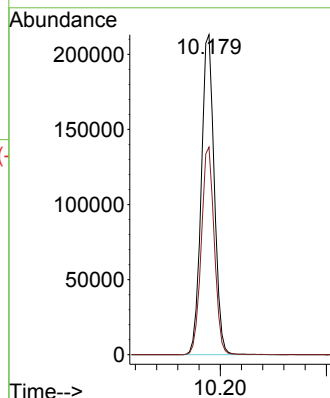
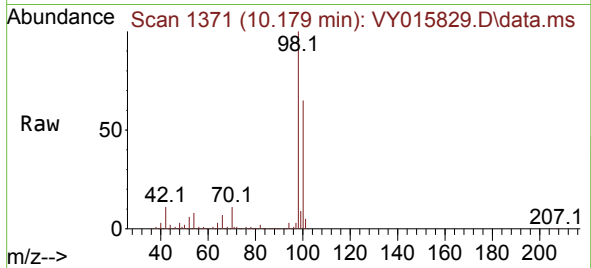




#50
Toluene-d8
Concen: 57.972 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015829.D
Acq: 04 Oct 2023 15:49

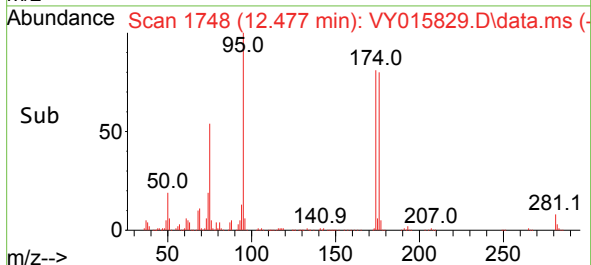
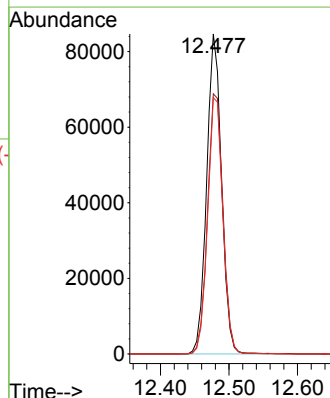
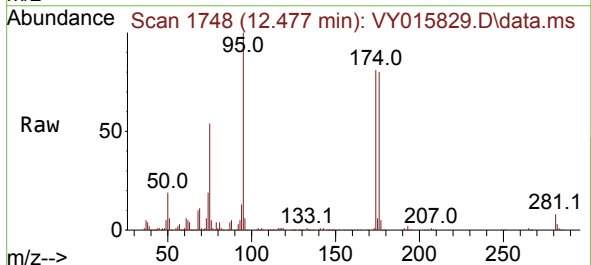
Instrument :
MSVOA_Y
ClientSampleId :

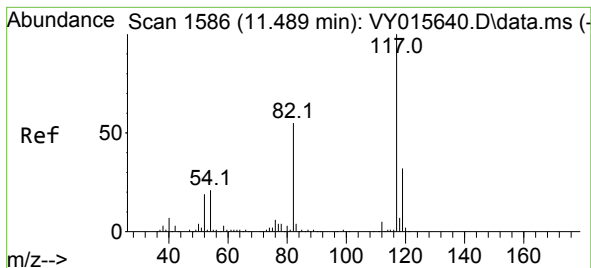
Tgt Ion: 98 Resp: 362371
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 52.068 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015829.D
Acq: 04 Oct 2023 15:49

Tgt Ion: 95 Resp: 127724
Ion Ratio Lower Upper
95 100
174 84.8 0.0 178.2
176 82.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015829.D

Acq: 04 Oct 2023 15:49

Instrument :

MSVOA_Y

ClientSampleId :

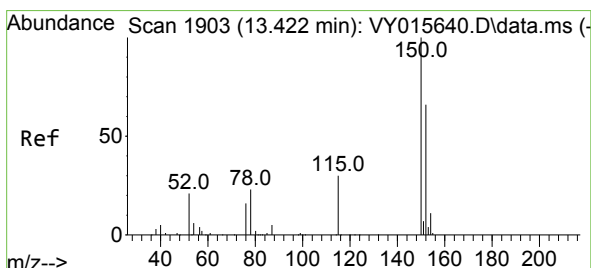
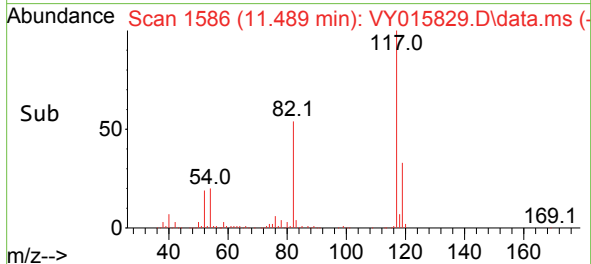
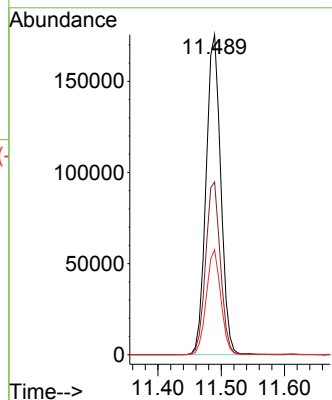
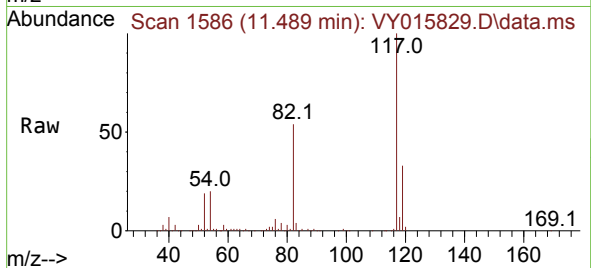
Tgt Ion:117 Resp: 284393

Ion Ratio Lower Upper

117 100

82 54.0 43.4 65.0

119 32.8 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: VY015829.D

Acq: 04 Oct 2023 15:49

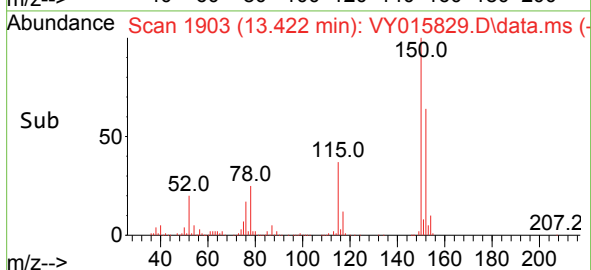
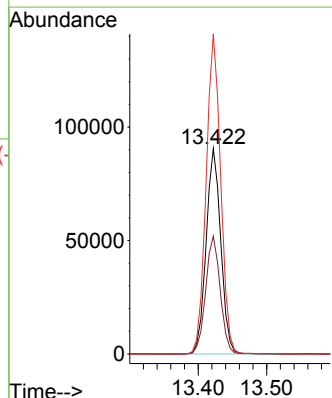
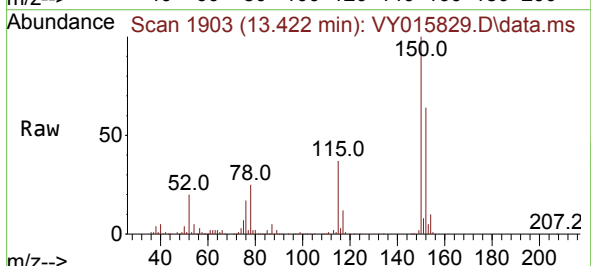
Tgt Ion:152 Resp: 134705

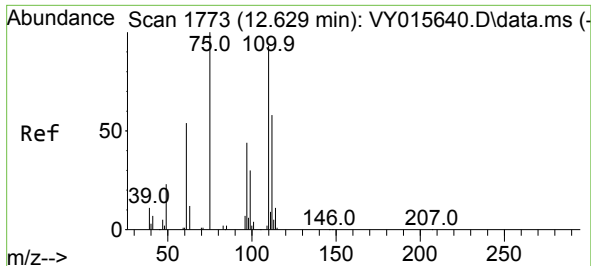
Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.5

150 154.5 0.0 348.8

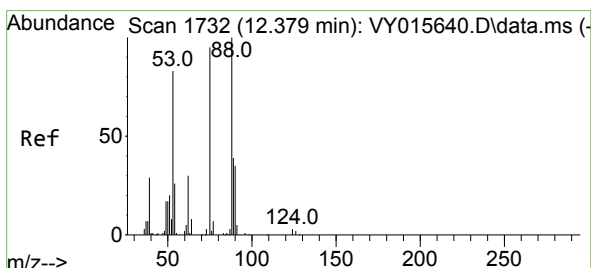
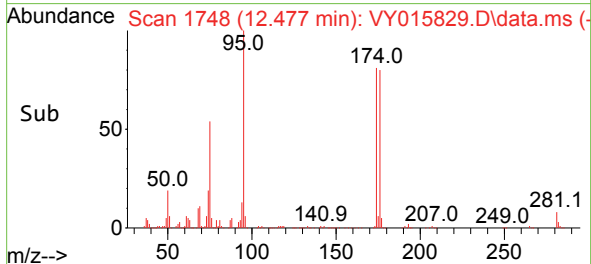
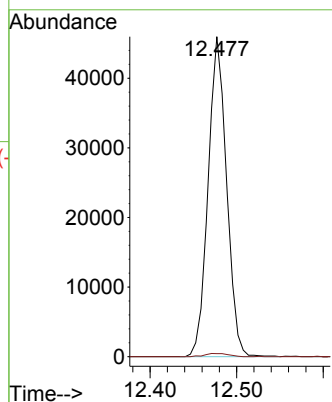
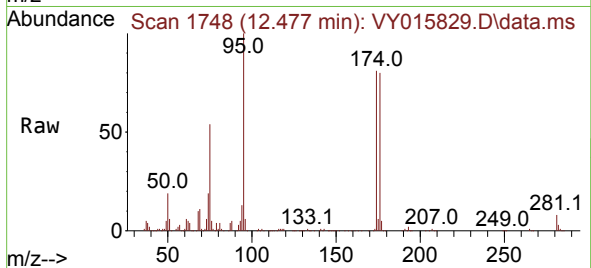




#76
1,2,3-Trichloropropane
Concen: 31.693 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015829.D
Acq: 04 Oct 2023 15:49

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 68107
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.368 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY015829.D
Acq: 04 Oct 2023 15:49

Tgt Ion: 75 Resp: 68107
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

