

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100423\
 Data File : VY015827.D
 Acq On : 04 Oct 2023 15:01
 Operator : SY/MD
 Sample : 04714-01
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 05 06:54:44 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)

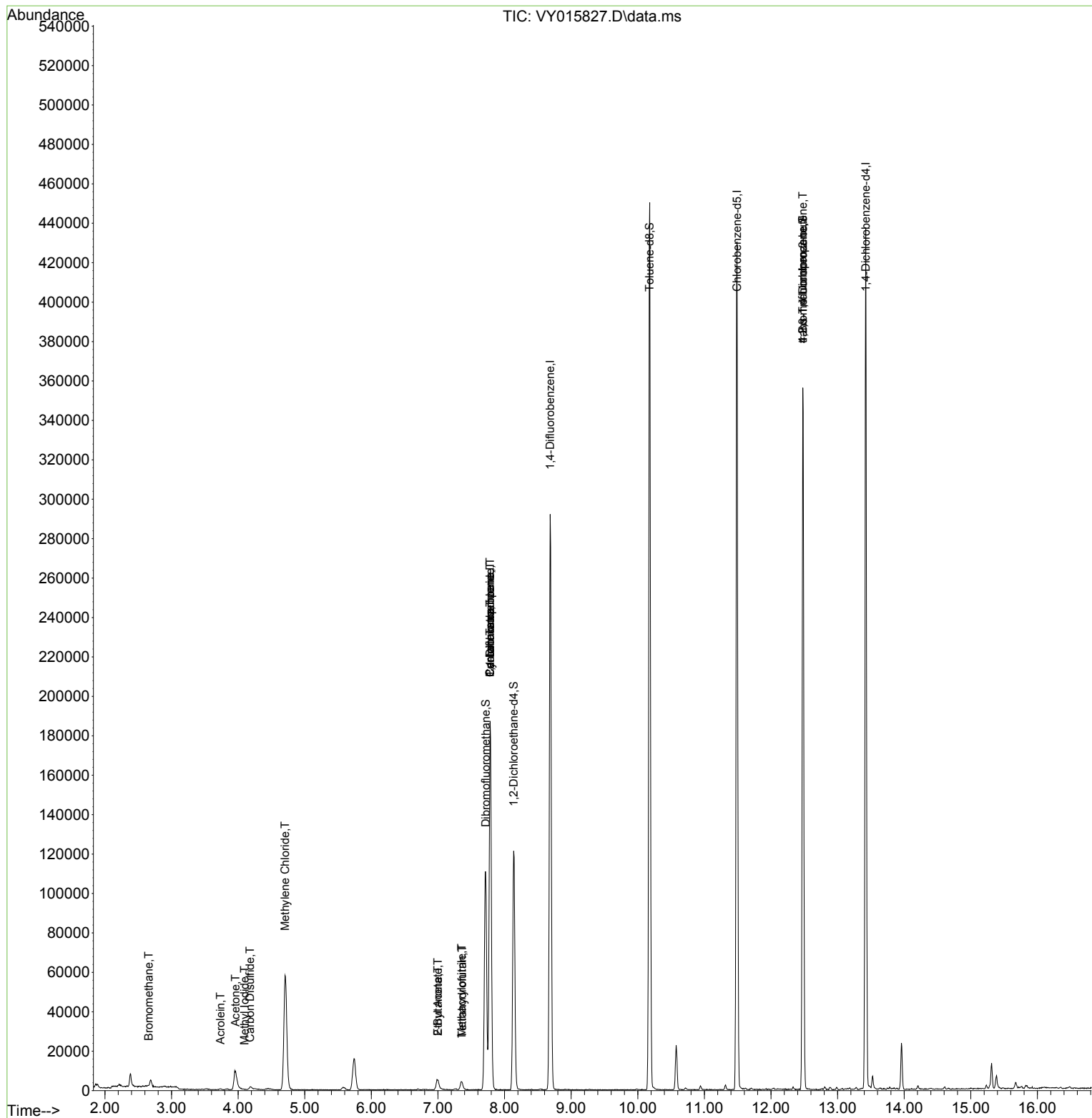
Internal Standards						
1) Pentafluorobenzene	7.783	168	147037	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	252499	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	235010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	107006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	98613	60.954	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.900%	
35) Dibromofluoromethane	7.716	113	80151	53.035	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.060%	
50) Toluene-d8	10.179	98	298277	58.209	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.420%	
62) 4-Bromofluorobenzene	12.477	95	100840	50.146	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.300%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	215	2.704	ug/l	93
10) Methyl Iodide	4.095	142	81	2.773	ug/l #	66
11) Tert butyl alcohol	4.948	59	92	Below Cal	#	89
13) Acrolein	3.735	56	609	2.458	ug/l	97
16) Acetone	3.960	43	21165	24.446	ug/l	90
17) Carbon Disulfide	4.180	76	2725	1.084	ug/l	99
20) Methylene Chloride	4.704	84	44981	20.907	ug/l	91
25) 2-Butanone	6.996	43	9701	7.927	ug/l	97
29) Tetrahydrofuran	7.362	42	3822	5.526	ug/l	97
31) Cyclohexane	7.783	56	3013	1.344	ug/l #	20
36) 1,1-Dichloropropene	7.783	75	10934	4.893	ug/l #	51
37) Ethyl Acetate	6.996	43	9701	4.352	ug/l #	71
38) Carbon Tetrachloride	7.783	117	14394	5.934	ug/l #	18
41) Methacrylonitrile	7.356	41	2182	1.818	ug/l #	41
76) 1,2,3-Trichloropropane	12.477	75	54348	31.836	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	54348	71.692	ug/l #	11

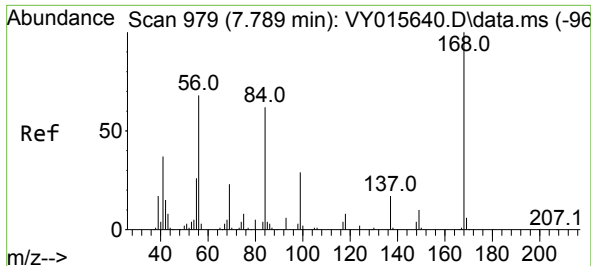
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100423\
Data File : VY015827.D
Acq On : 04 Oct 2023 15:01
Operator : SY/MD
Sample : 04714-01
Misc : 5.48g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

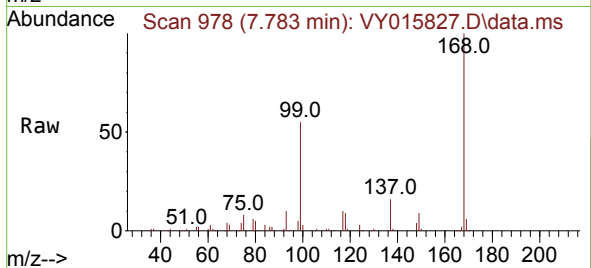
Quant Time: Oct 05 06:54:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
Response via : Initial Calibration



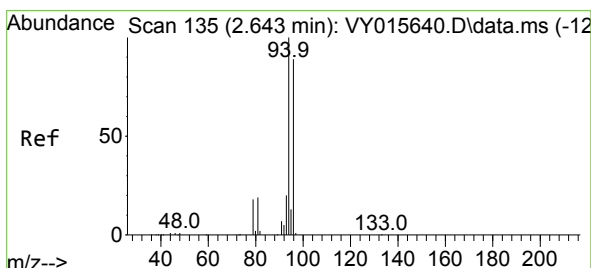
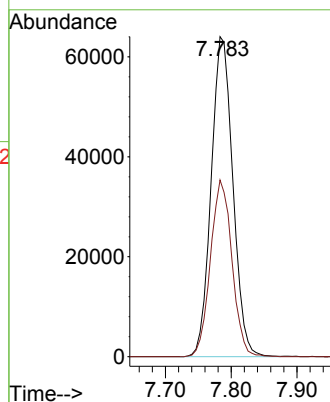
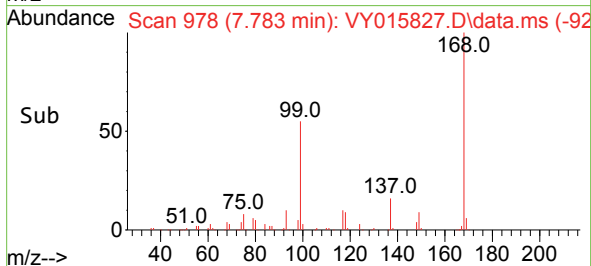


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015827.D
Acq: 04 Oct 2023 15:01

Instrument :
MSVOA_Y
ClientSampleId :

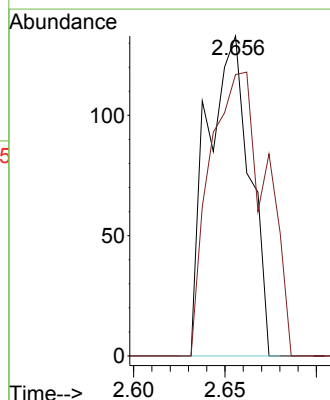
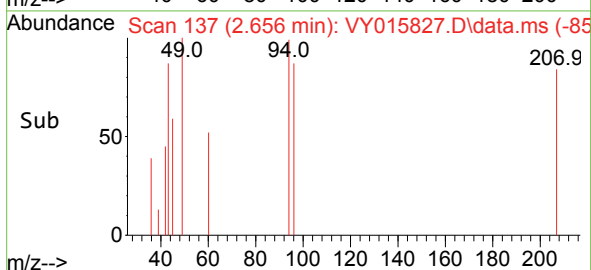
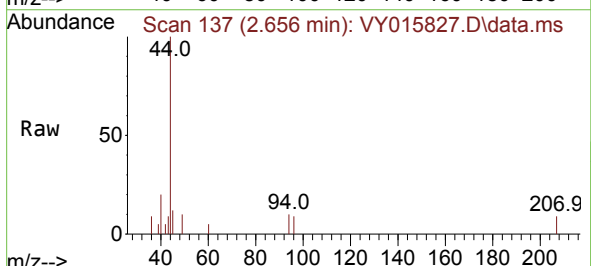


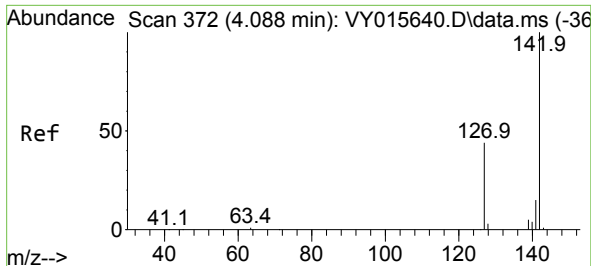
Tgt Ion:168 Resp: 147037
Ion Ratio Lower Upper
168 100
99 55.2 43.4 65.0



#5
Bromomethane
Concen: 2.704 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015827.D
Acq: 04 Oct 2023 15:01

Tgt Ion: 94 Resp: 215
Ion Ratio Lower Upper
94 100
96 88.0 75.8 113.6





#10

Methyl Iodide

Concen: 2.773 ug/l

RT: 4.095 min Scan# 31

Delta R.T. 0.013 min

Lab File: VY015827.D

Acq: 04 Oct 2023 15:01

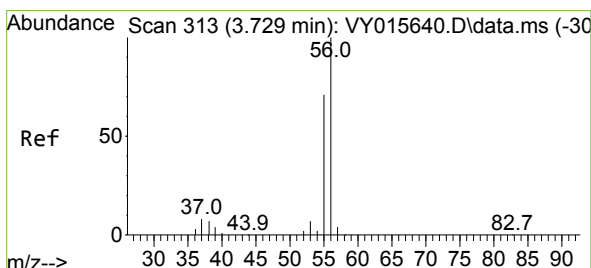
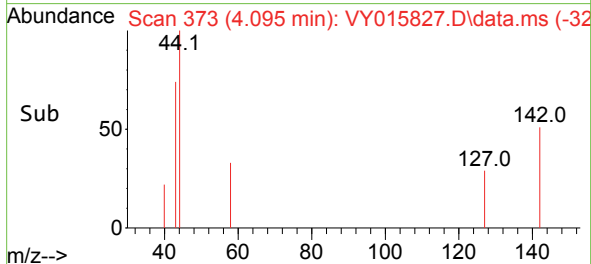
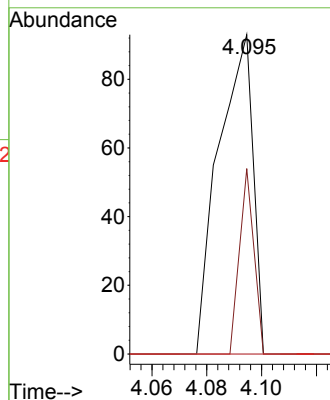
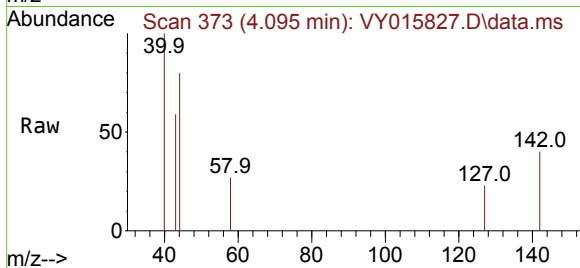
Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:142 Resp: 81

Ion	Ratio	Lower	Upper
142	100		
127	24.7	37.6	56.4#
141	0.0	11.8	17.8#



#13

Acrolein

Concen: 2.458 ug/l

RT: 3.735 min Scan# 314

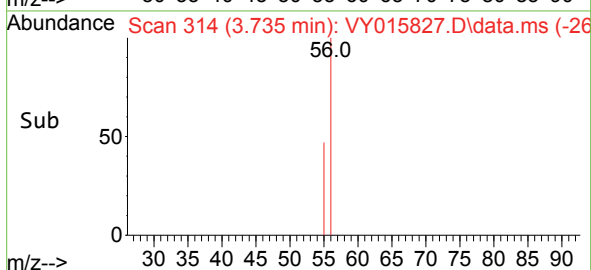
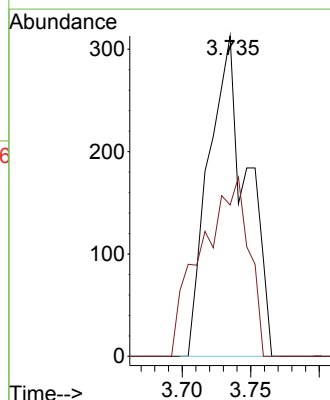
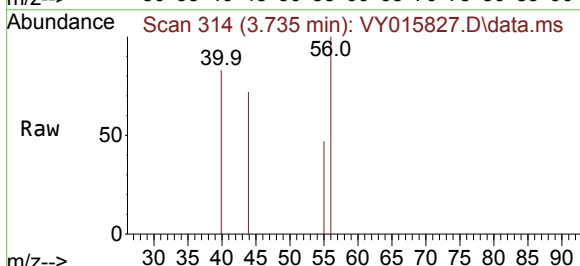
Delta R.T. 0.012 min

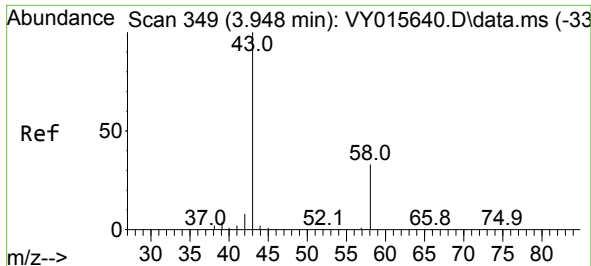
Lab File: VY015827.D

Acq: 04 Oct 2023 15:01

Tgt Ion: 56 Resp: 609

Ion	Ratio	Lower	Upper
56	100		
55	69.0	57.0	85.4

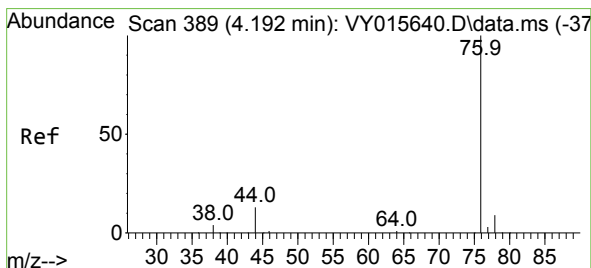
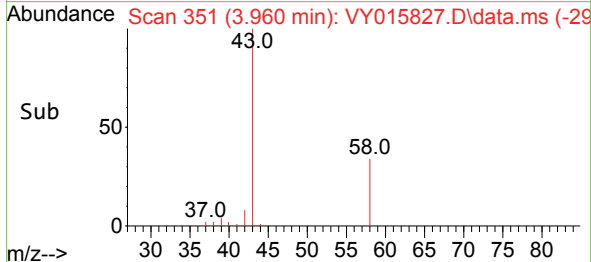
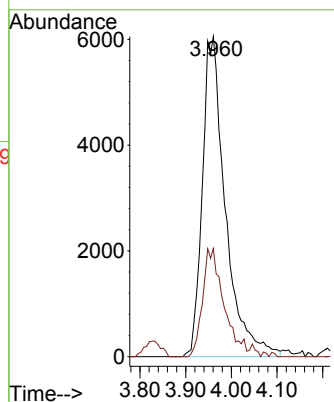
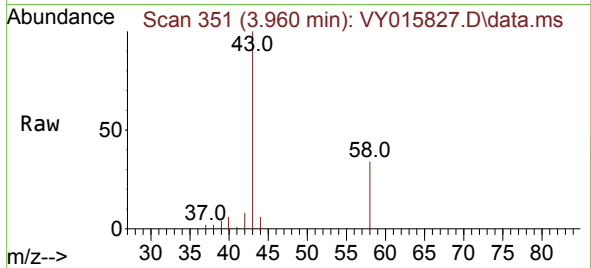




#16
Acetone
Concen: 24.446 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY015827.D
Acq: 04 Oct 2023 15:01

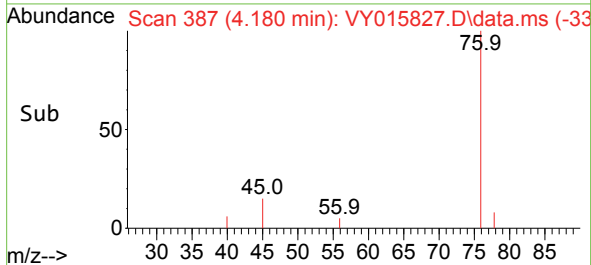
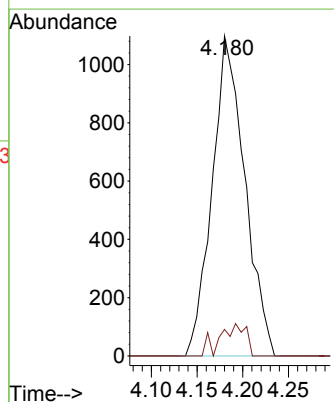
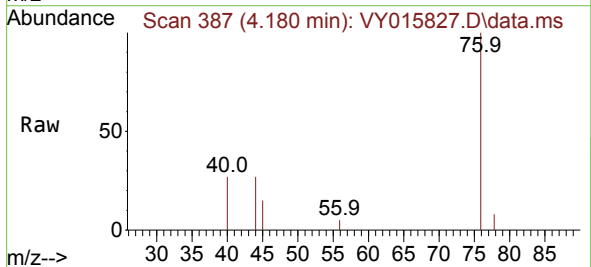
Instrument :
MSVOA_Y
ClientSampleId :

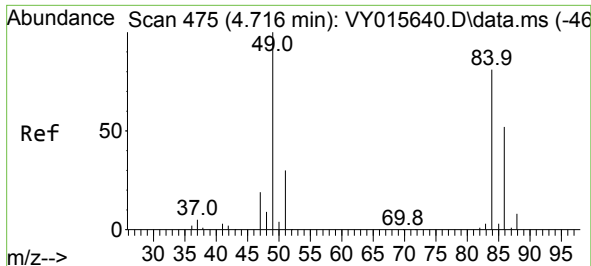
Tgt Ion: 43 Resp: 21165
Ion Ratio Lower Upper
43 100
58 33.8 22.7 34.1



#17
Carbon Disulfide
Concen: 1.084 ug/l
RT: 4.180 min Scan# 387
Delta R.T. -0.006 min
Lab File: VY015827.D
Acq: 04 Oct 2023 15:01

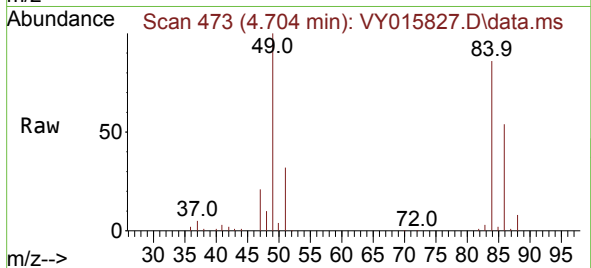
Tgt Ion: 76 Resp: 2725
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.4



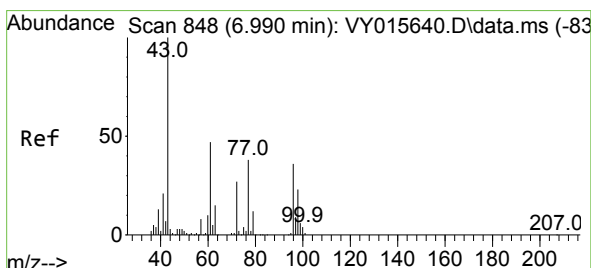
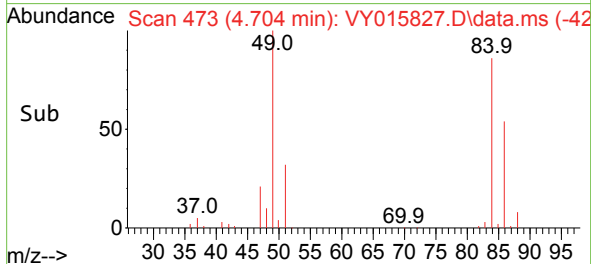
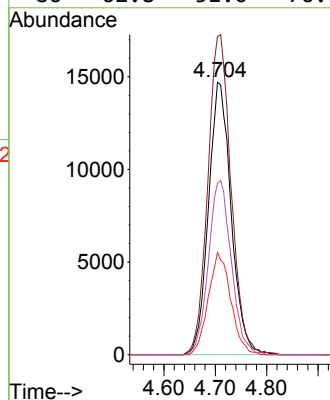


#20
Methylene Chloride
Concen: 20.907 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015827.D
Acq: 04 Oct 2023 15:01

Instrument :
MSVOA_Y
ClientSampleId :

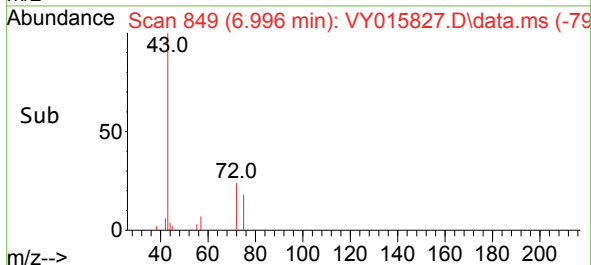
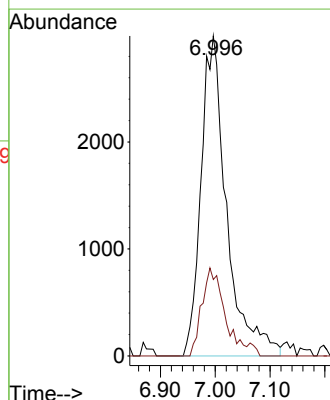
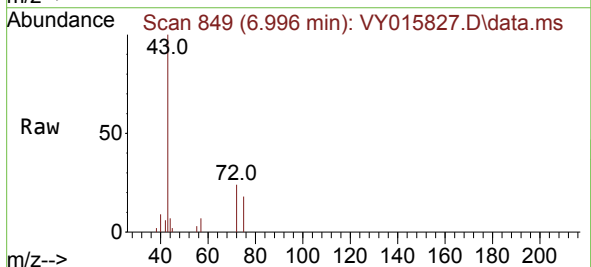


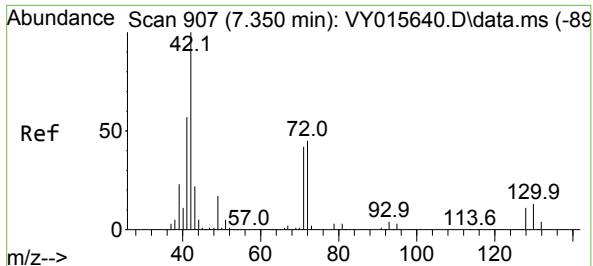
Tgt Ion:	84	Resp:	44981
Ion	Ratio	Lower	Upper
84	100		
49	116.7	106.9	160.3
51	37.6	33.2	49.8
86	62.8	51.0	76.6



#25
2-Butanone
Concen: 7.927 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.018 min
Lab File: VY015827.D
Acq: 04 Oct 2023 15:01

Tgt Ion:	43	Resp:	9701
Ion	Ratio	Lower	Upper
43	100		
72	23.9	20.5	30.7





#29

Tetrahydrofuran

Concen: 5.526 ug/l

RT: 7.362 min Scan# 909

Delta R.T. 0.018 min

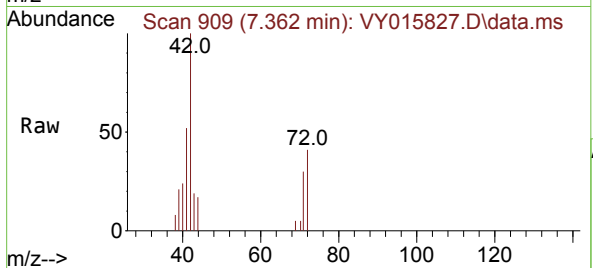
Lab File: VY015827.D

Acq: 04 Oct 2023 15:01

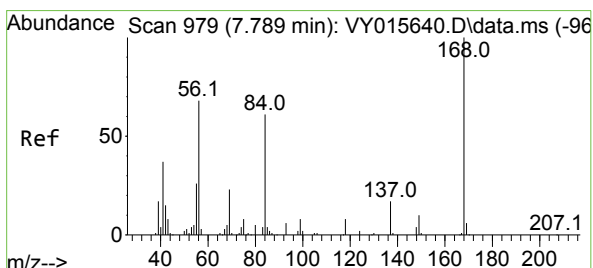
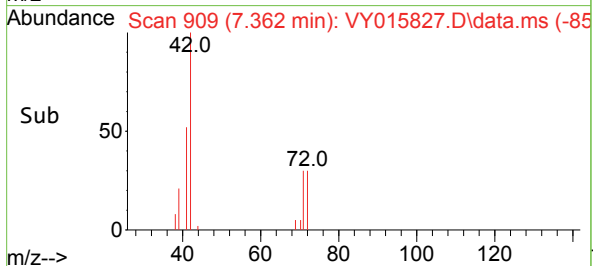
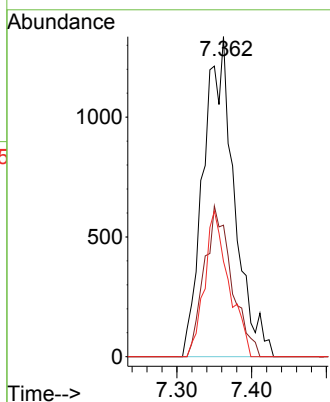
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	3822
Ion Ratio	Lower	Upper	
42	100		
72	42.1	32.8	49.2
71	35.8	31.0	46.4



#31

Cyclohexane

Concen: 1.344 ug/l

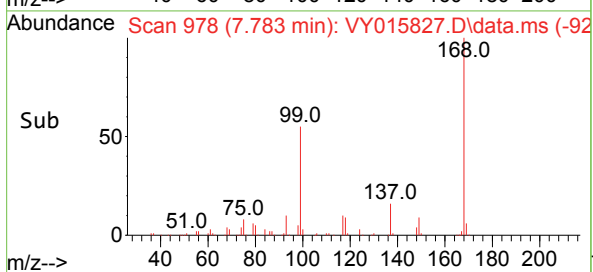
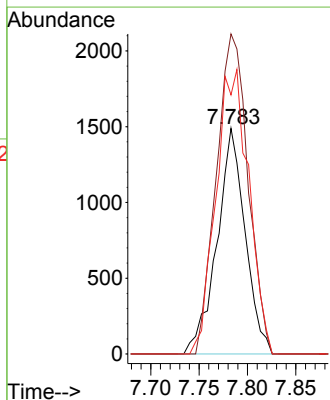
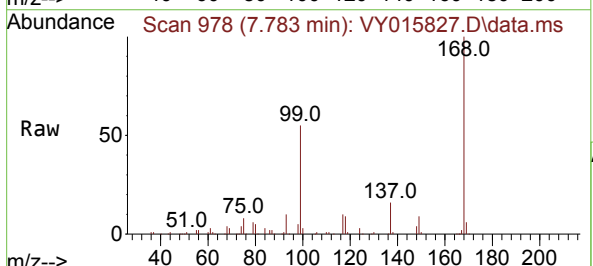
RT: 7.783 min Scan# 978

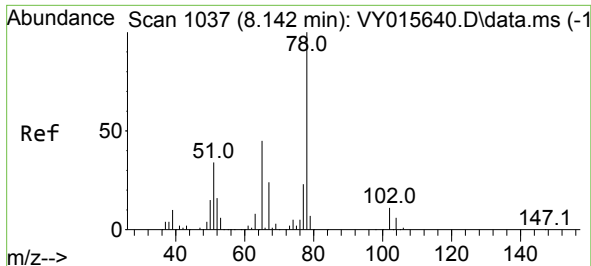
Delta R.T. -0.000 min

Lab File: VY015827.D

Acq: 04 Oct 2023 15:01

Tgt Ion:	56	Resp:	3013
Ion Ratio	Lower	Upper	
56	100		
69	141.8	27.8	41.6#
84	114.8	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 60.954 ug/l

RT: 8.137 min Scan# 110

Delta R.T. 0.001 min

Lab File: VY015827.D

Acq: 04 Oct 2023 15:01

Instrument :

MSVOA_Y

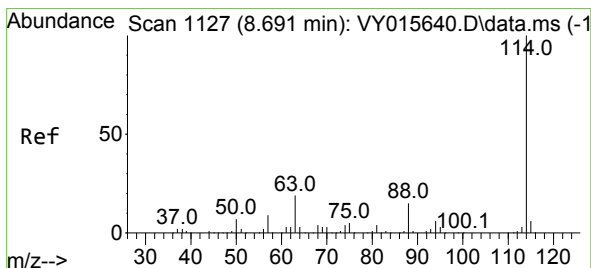
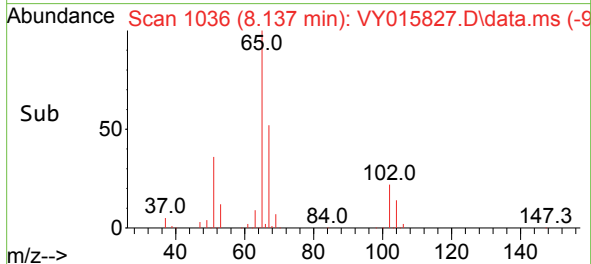
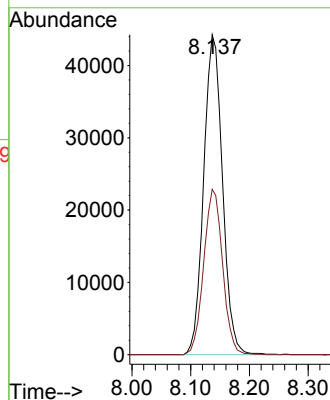
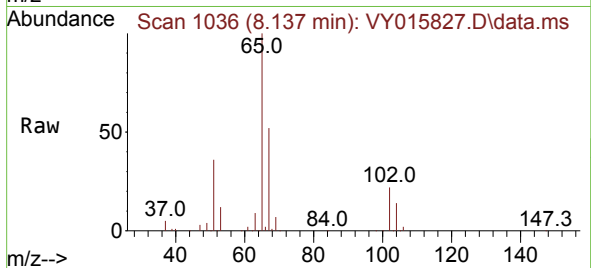
ClientSampleId :

Tgt Ion: 65 Resp: 98613

Ion Ratio Lower Upper

65 100

67 51.9 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: VY015827.D

Acq: 04 Oct 2023 15:01

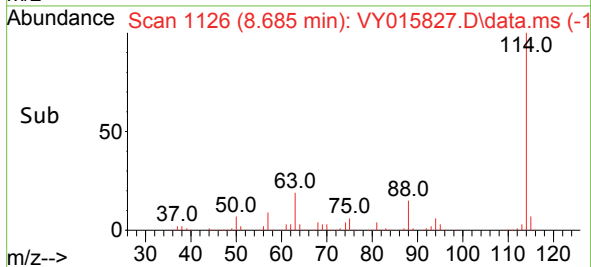
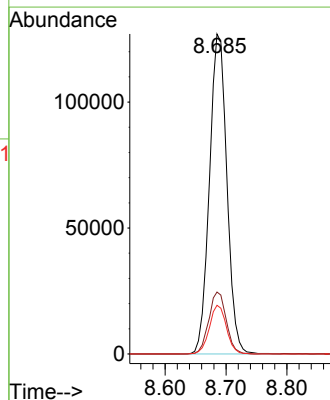
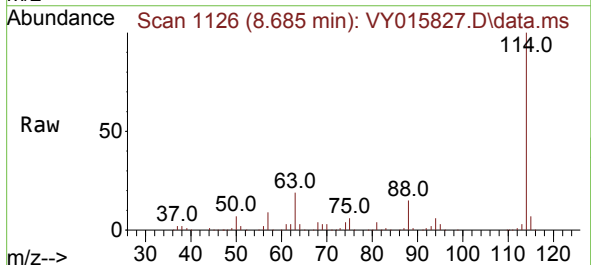
Tgt Ion:114 Resp: 252499

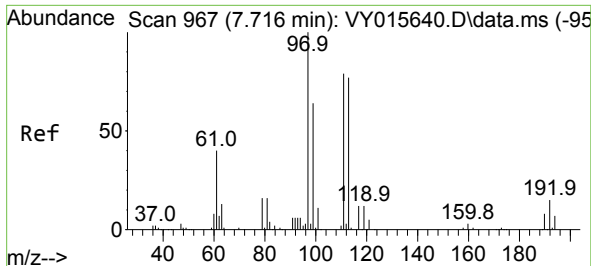
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

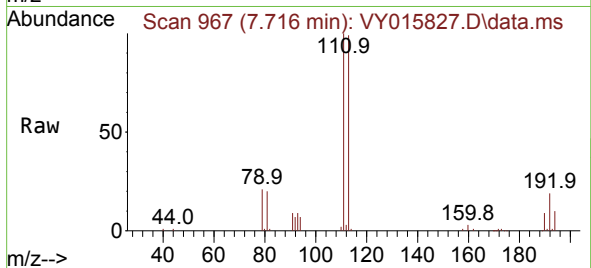
88 15.2 0.0 30.6



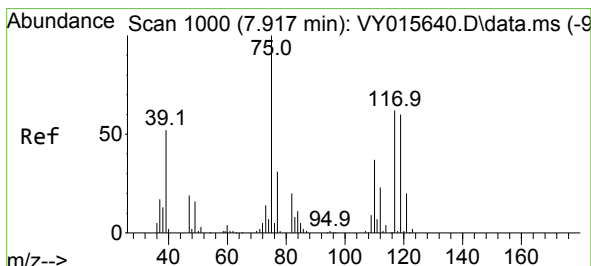
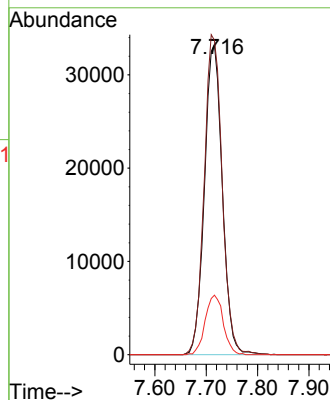
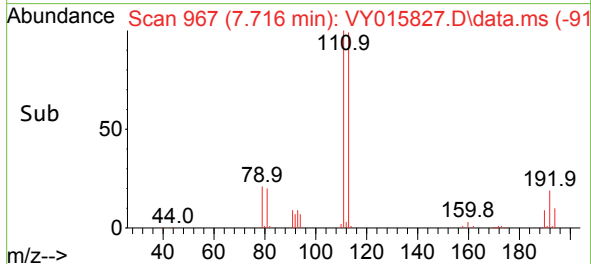


#35
Dibromofluoromethane
Concen: 53.035 ug/l
RT: 7.716 min Scan# 901
Delta R.T. -0.000 min
Lab File: VY015827.D
Acq: 04 Oct 2023 15:01

Instrument :
MSVOA_Y
ClientSampleId :

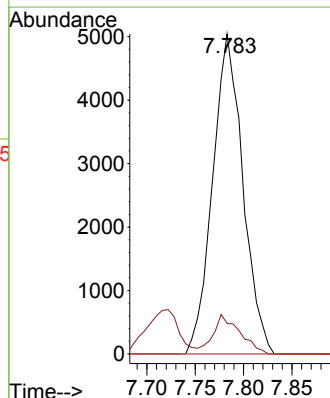
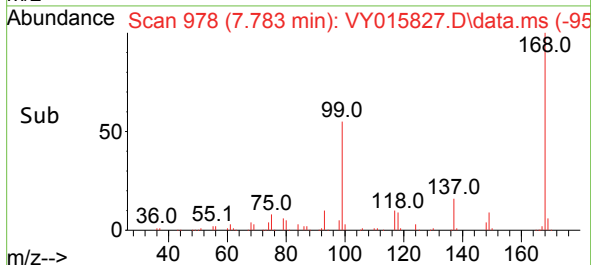
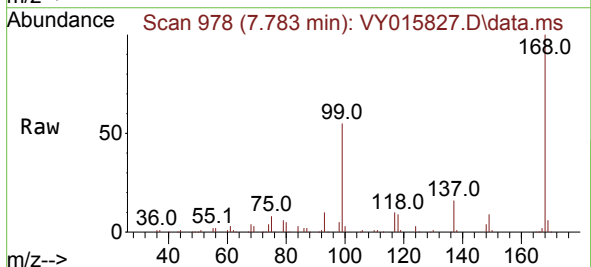


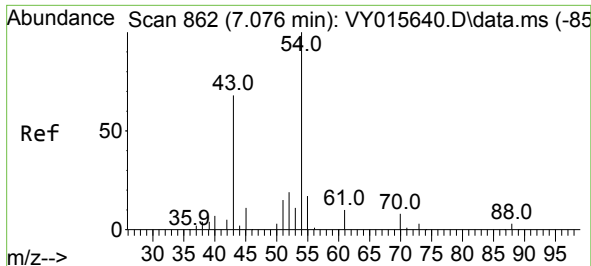
Tgt Ion:113 Resp: 80151
Ion Ratio Lower Upper
113 100
111 104.0 81.3 121.9
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.893 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015827.D
Acq: 04 Oct 2023 15:01

Tgt Ion: 75 Resp: 10934
Ion Ratio Lower Upper
75 100
110 10.8 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 4.352 ug/l

RT: 6.996 min Scan# 84

Delta R.T. -0.067 min

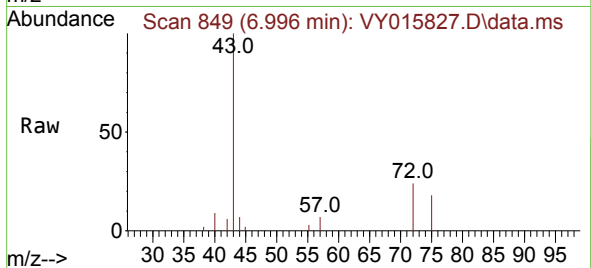
Lab File: VY015827.D

Acq: 04 Oct 2023 15:01

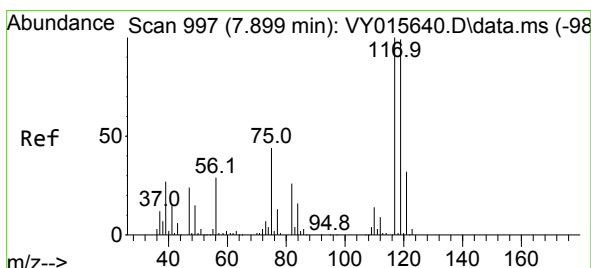
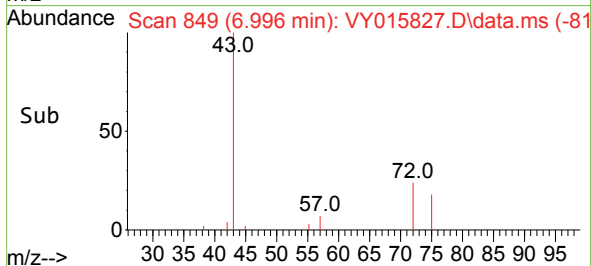
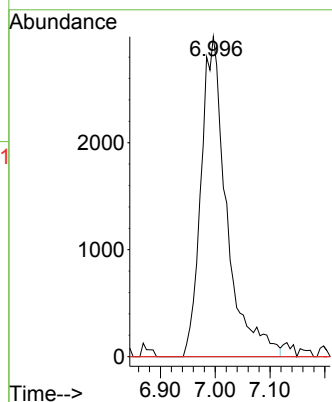
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43	Resp: 9701
Ion Ratio	Lower Upper
43	100
61	0.0 10.1 15.1#
70	0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.934 ug/l

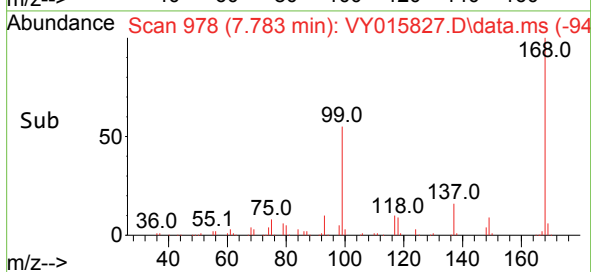
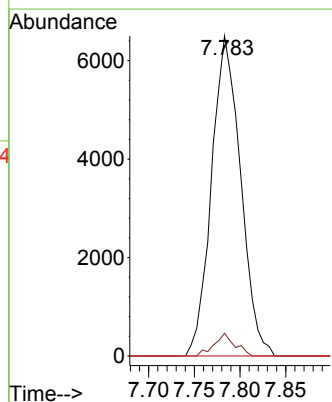
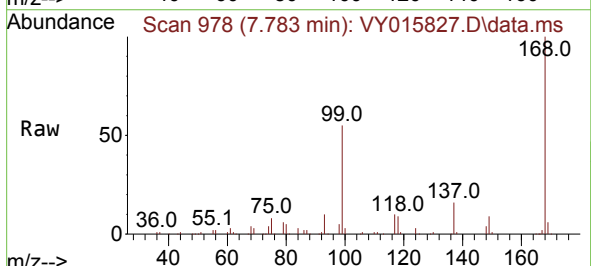
RT: 7.783 min Scan# 978

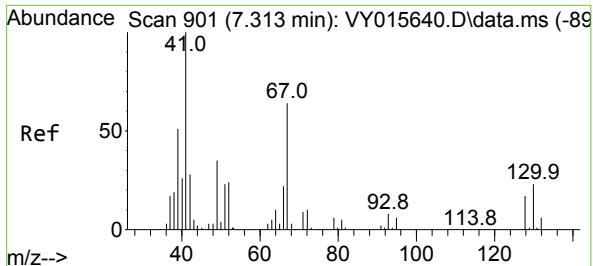
Delta R.T. -0.110 min

Lab File: VY015827.D

Acq: 04 Oct 2023 15:01

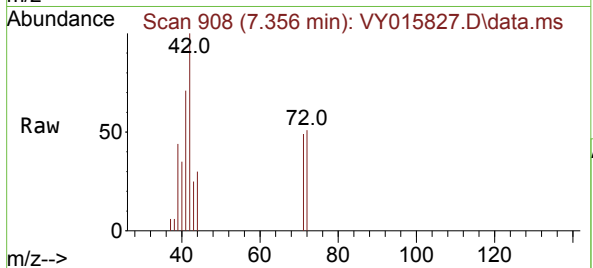
Tgt Ion: 117	Resp: 14394
Ion Ratio	Lower Upper
117	100
119	7.1 76.4 114.6#
121	0.0 25.8 38.6#



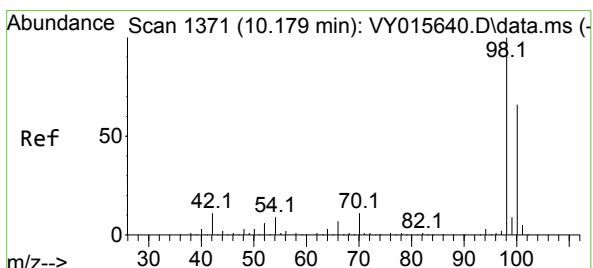
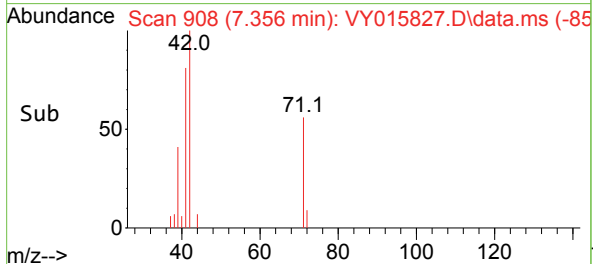
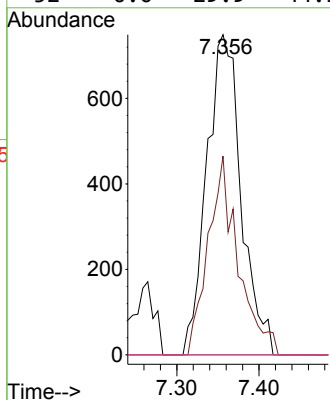


#41
Methacrylonitrile
Concen: 1.818 ug/l
RT: 7.356 min Scan# 901
Delta R.T. 0.043 min
Lab File: VY015827.D
Acq: 04 Oct 2023 15:01

Instrument :
MSVOA_Y
ClientSampleId :

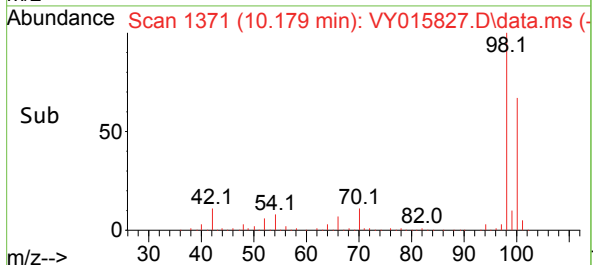
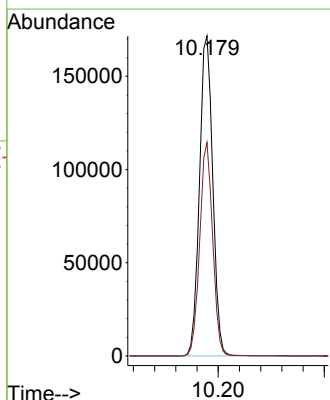
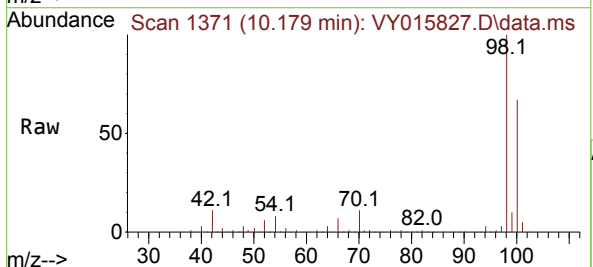


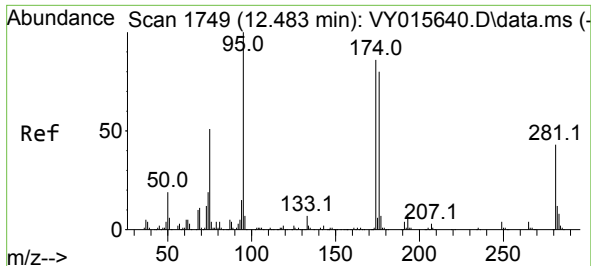
Tgt Ion: 41	Resp: 2182
Ion Ratio	Lower Upper
41	100
39	54.0 52.1 78.1
67	0.0 66.2 99.2#
52	0.0 29.9 44.9#



#50
Toluene-d8
Concen: 58.209 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015827.D
Acq: 04 Oct 2023 15:01

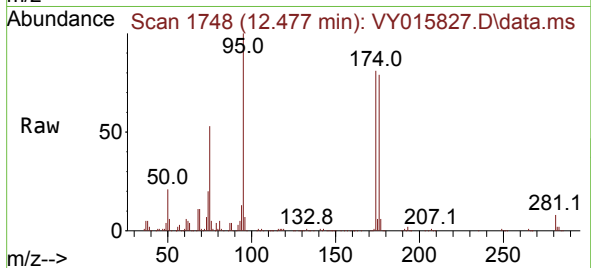
Tgt Ion: 98	Resp: 298277
Ion Ratio	Lower Upper
98	100
100	65.2 50.1 75.1



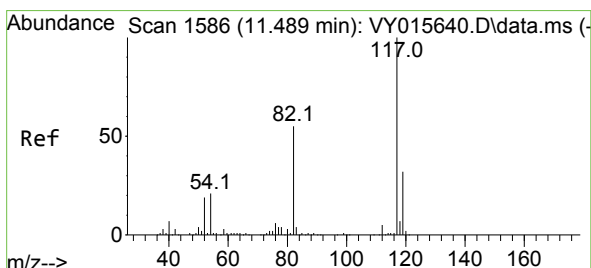
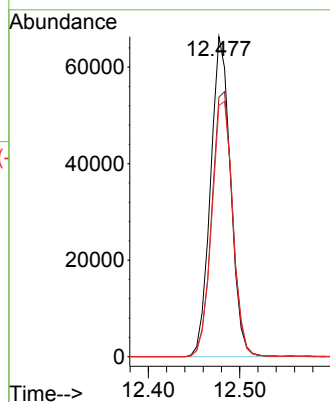
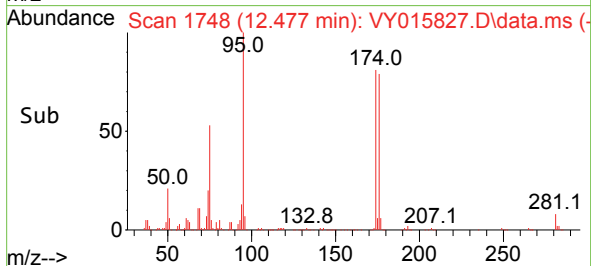


#62
4-Bromofluorobenzene
Concen: 50.146 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015827.D
Acq: 04 Oct 2023 15:01

Instrument :
MSVOA_Y
ClientSampleId :

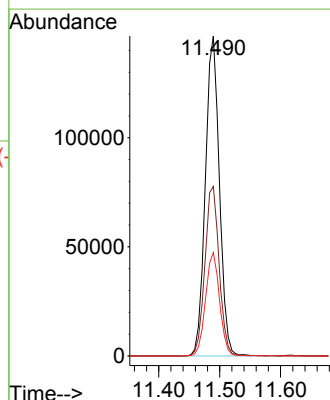
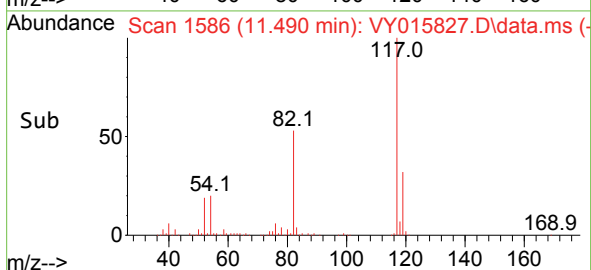
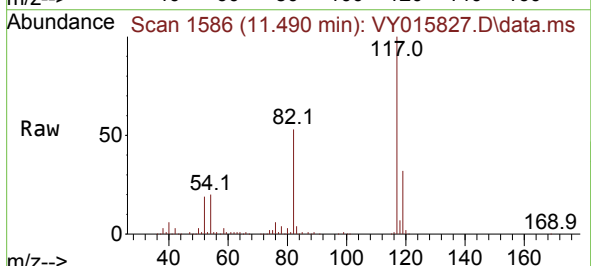


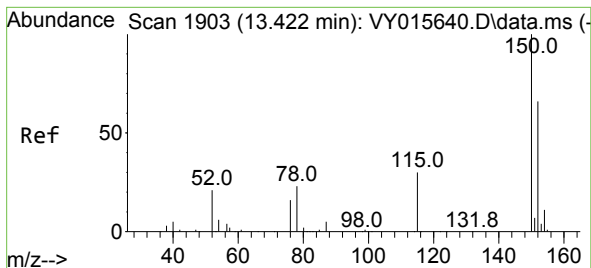
Tgt Ion: 95 Resp: 100840
Ion Ratio Lower Upper
95 100
174 86.0 0.0 178.2
176 83.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY015827.D
Acq: 04 Oct 2023 15:01

Tgt Ion: 117 Resp: 235010
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 32.3 26.3 39.5

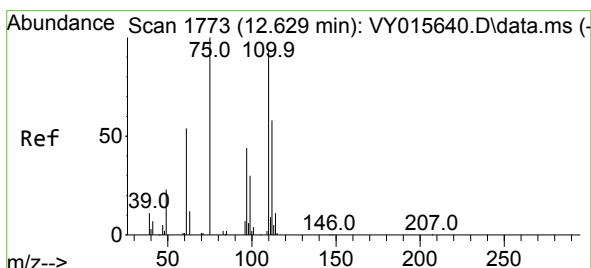
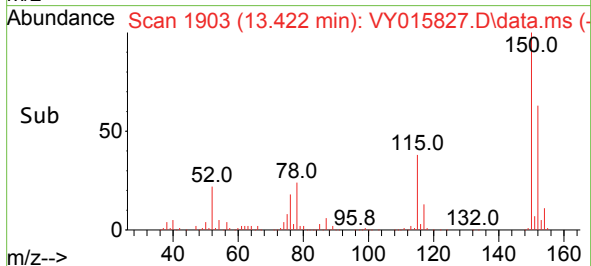
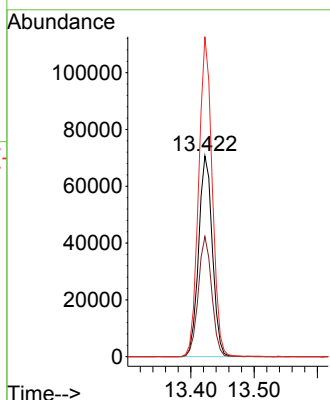
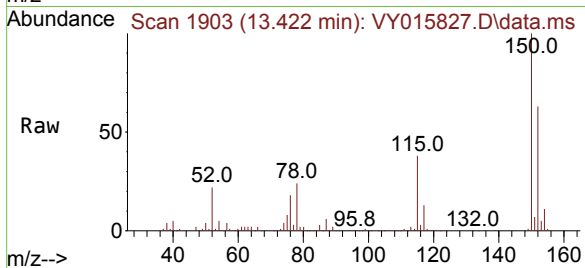




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY015827.D
 Acq: 04 Oct 2023 15:01

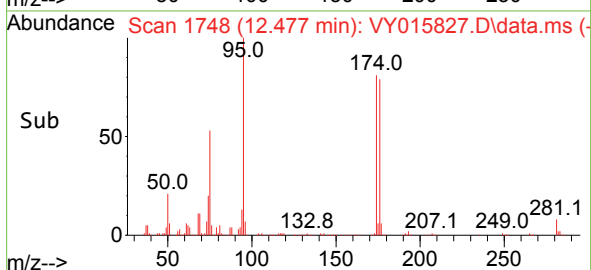
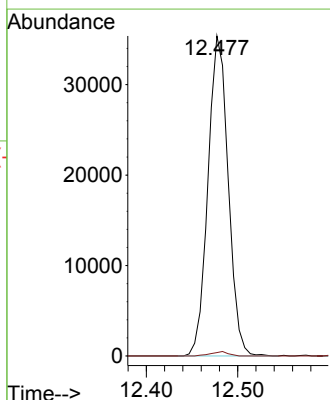
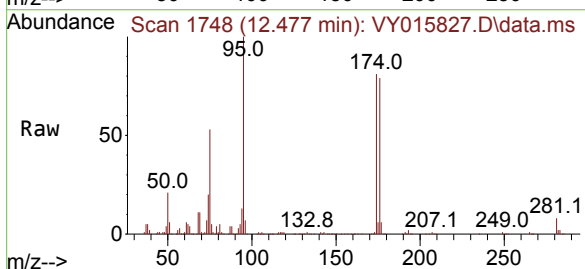
Instrument :
 MSVOA_Y
 ClientSampleId :

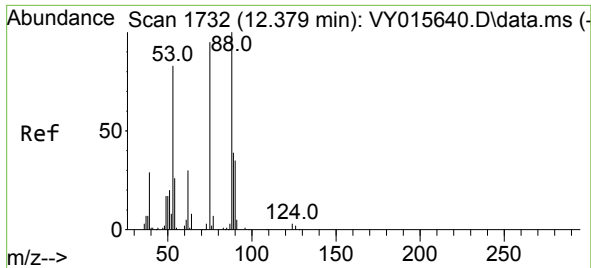
Tgt Ion:152 Resp: 107006
 Ion Ratio Lower Upper
 152 100
 115 58.8 28.8 86.5
 150 157.3 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 31.836 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY015827.D
 Acq: 04 Oct 2023 15:01

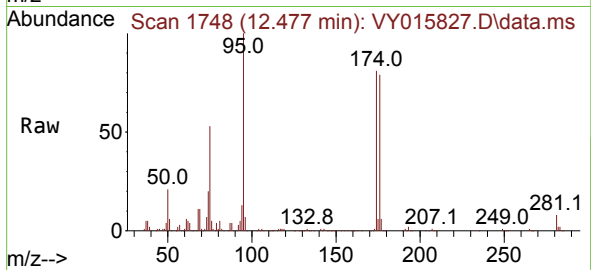
Tgt Ion: 75 Resp: 54348
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 71.692 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY015827.D
Acq: 04 Oct 2023 15:01

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	75	Resp:	54348
Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.2	37.4	56.0#

