

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091123\
 Data File : VY015487.D
 Acq On : 11 Sep 2023 15:16
 Operator : SY/MD
 Sample : 04336-07RE
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 12 01:18:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

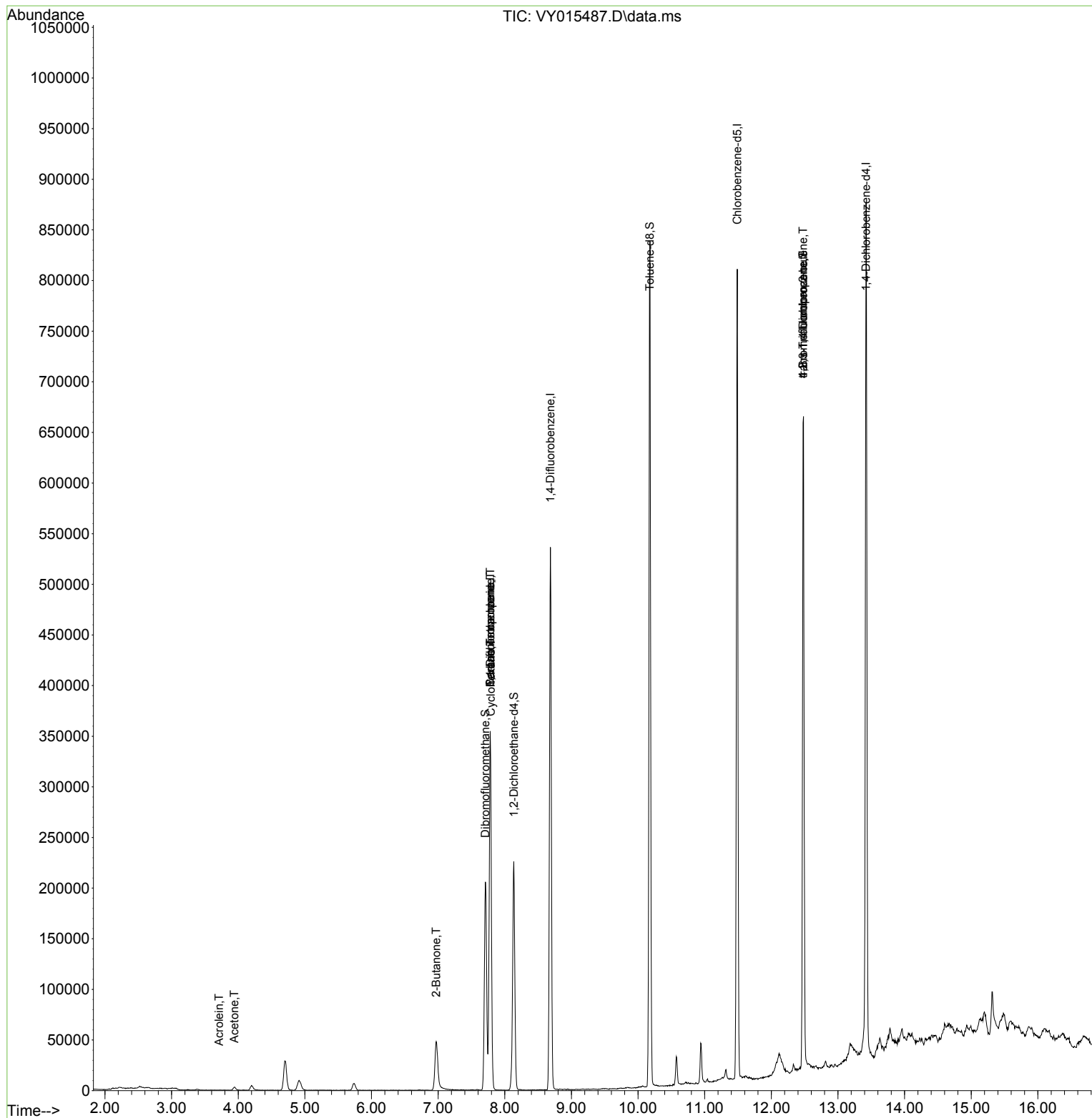
Internal Standards						
1) Pentafluorobenzene	7.783	168	277275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	460294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	426559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	208068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	172999	58.203	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.400%	
35) Dibromofluoromethane	7.710	113	144144	54.369	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.740%	
50) Toluene-d8	10.179	98	543587	56.618	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.240%	
62) 4-Bromofluorobenzene	12.477	95	194933	54.692	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.380%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.911	59	10637	Below Cal	#	89
13) Acrolein	3.710	56	25	11.675	ug/l #	14
16) Acetone	3.942	43	5628	4.536	ug/l	98
20) Methylene Chloride	4.698	84	23368	Below Cal	#	84
25) 2-Butanone	6.972	43	2628	1.493	ug/l	90
31) Cyclohexane	7.789	56	5753	1.090	ug/l #	20
36) 1,1-Dichloropropene	7.783	75	20455	4.394	ug/l #	50
38) Carbon Tetrachloride	7.783	117	27277	5.673	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	103790	37.616	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	103790	82.977	ug/l #	11

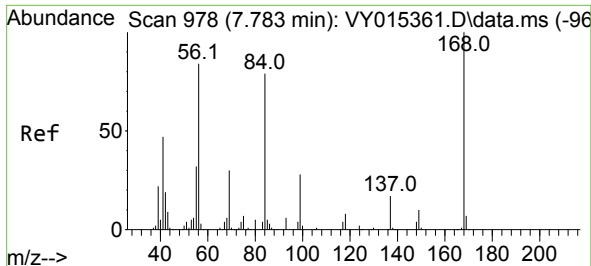
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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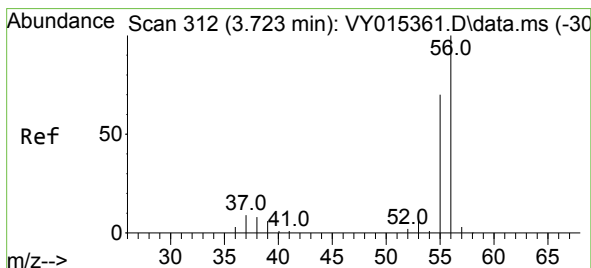
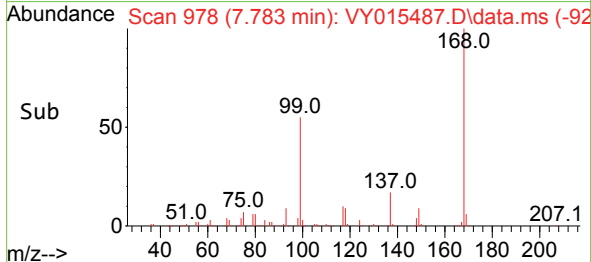
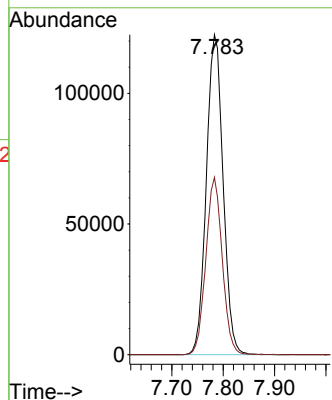
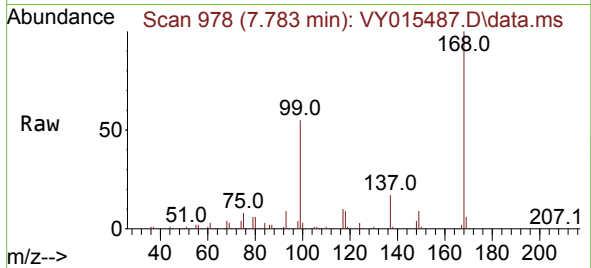




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015487.D
Acq: 11 Sep 2023 15:16

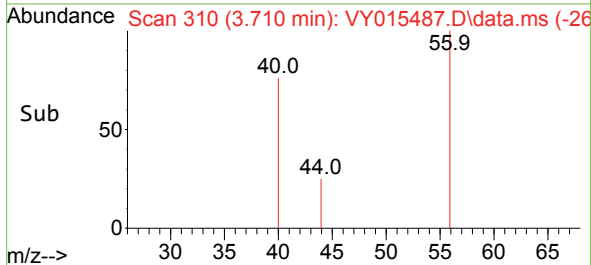
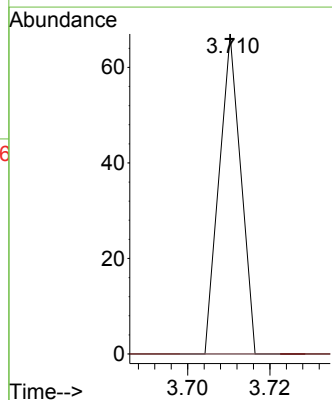
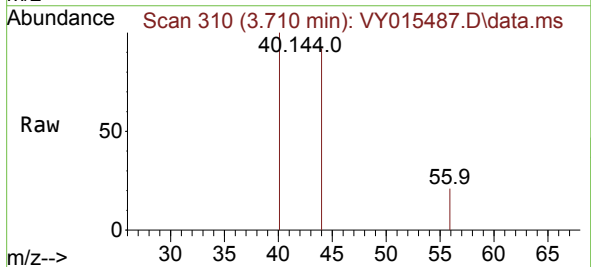
Instrument :
MSVOA_Y
ClientSampleId :

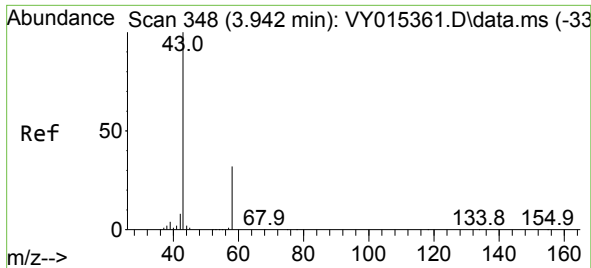
Tgt Ion:168 Resp: 277275
Ion Ratio Lower Upper
168 100
99 55.4 43.4 65.0



#13
Acrolein
Concen: 11.675 ug/l
RT: 3.710 min Scan# 310
Delta R.T. -0.013 min
Lab File: VY015487.D
Acq: 11 Sep 2023 15:16

Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 4.536 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.000 min

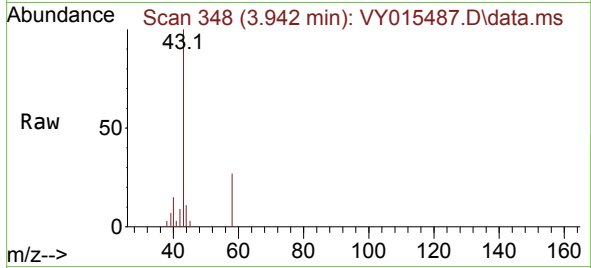
Lab File: VY015487.D

Acq: 11 Sep 2023 15:16

Instrument :

MSVOA_Y

ClientSampleId :

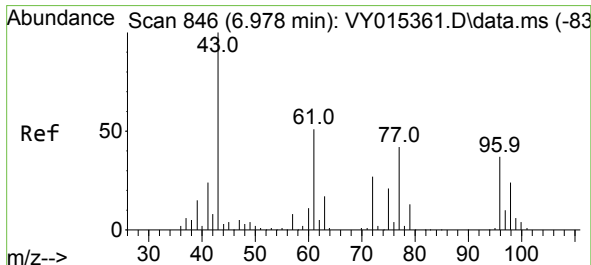
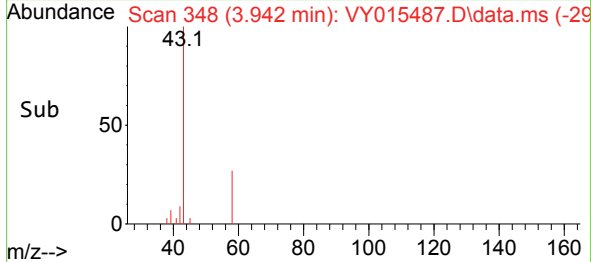
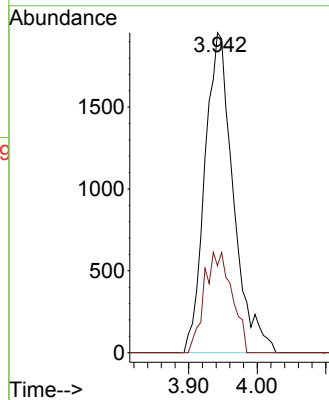


Tgt Ion: 43 Resp: 5628

Ion Ratio Lower Upper

43 100

58 27.2 22.7 34.1



#25

2-Butanone

Concen: 1.493 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY015487.D

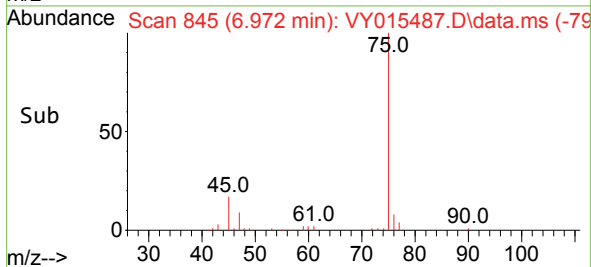
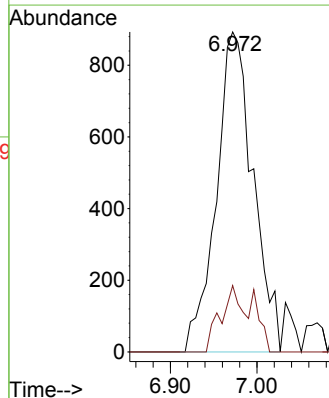
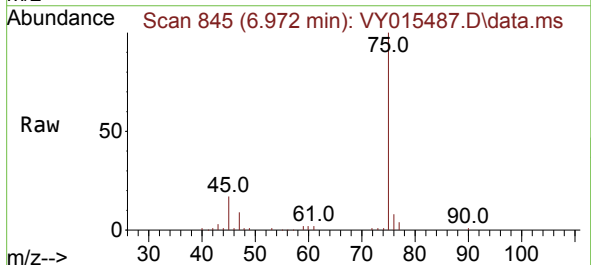
Acq: 11 Sep 2023 15:16

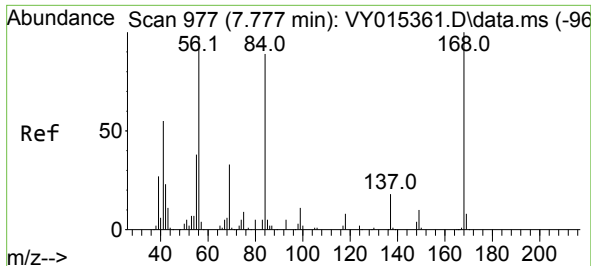
Tgt Ion: 43 Resp: 2628

Ion Ratio Lower Upper

43 100

72 20.7 20.5 30.7

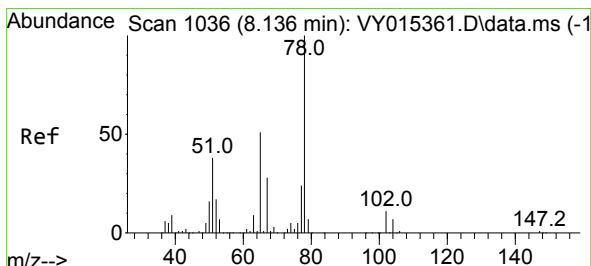
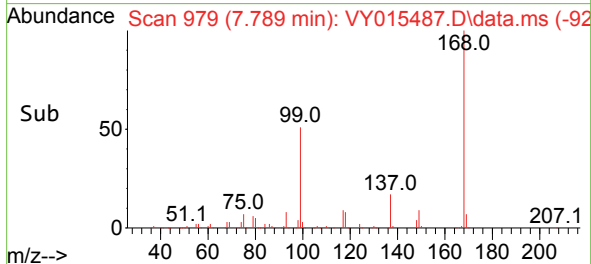
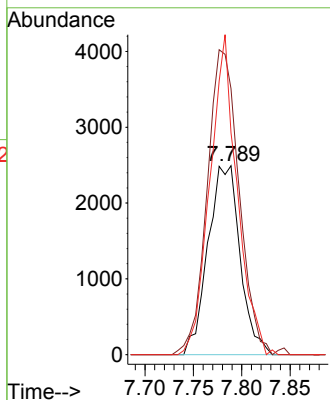
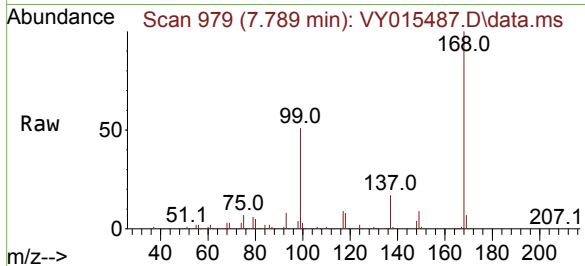




#31
Cyclohexane
Concen: 1.090 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015487.D
Acq: 11 Sep 2023 15:16

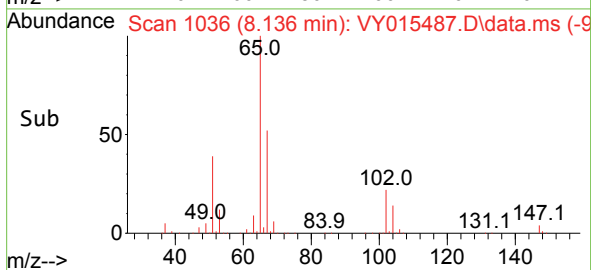
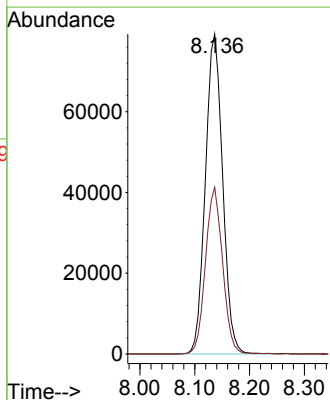
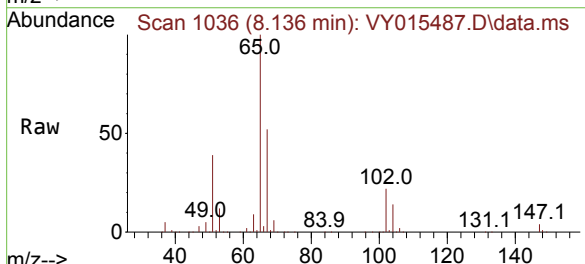
Instrument :
MSVOA_Y
ClientSampleId :

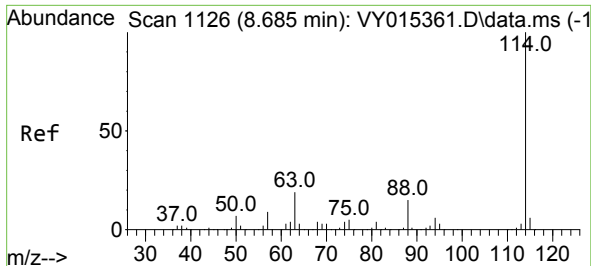
Tgt Ion: 56 Resp: 5753
Ion Ratio Lower Upper
56 100
69 138.6 27.8 41.6#
84 117.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.203 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY015487.D
Acq: 11 Sep 2023 15:16

Tgt Ion: 65 Resp: 172999
Ion Ratio Lower Upper
65 100
67 51.6 0.0 101.8

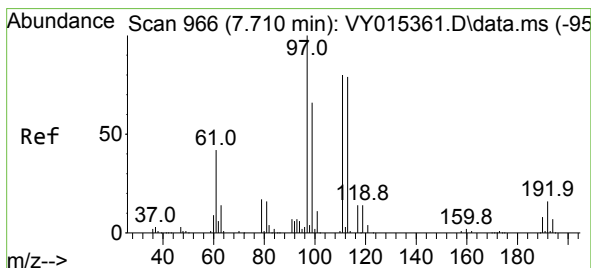
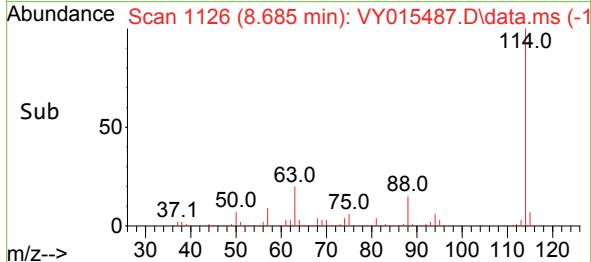
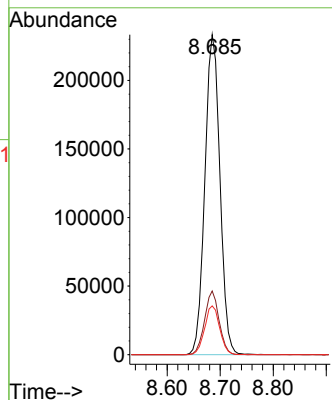
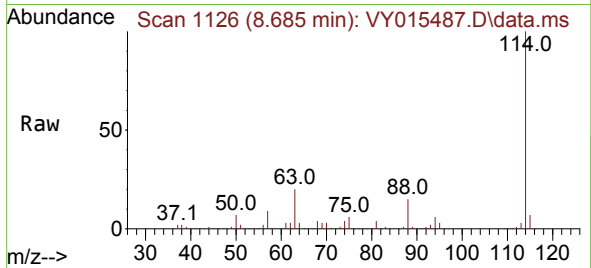




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY015487.D
Acq: 11 Sep 2023 15:16

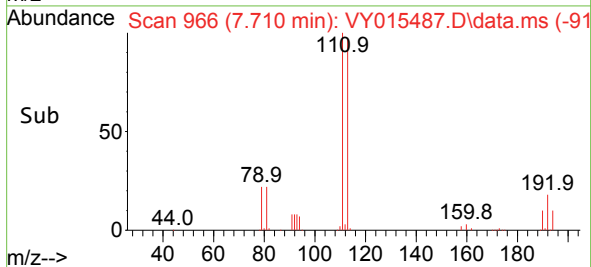
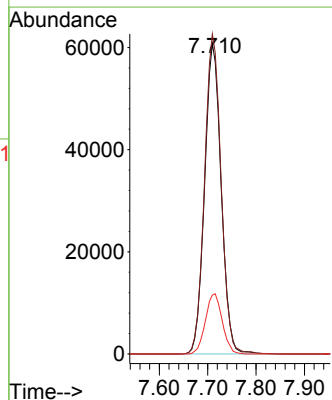
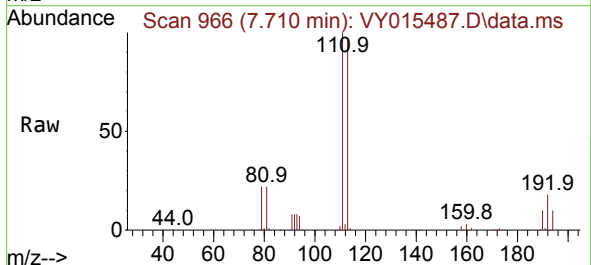
Instrument :
MSVOA_Y
ClientSampleId :

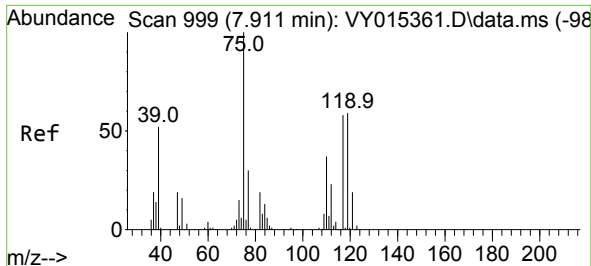
Tgt Ion:114 Resp: 460294
Ion Ratio Lower Upper
114 100
63 19.9 0.0 42.4
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.369 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY015487.D
Acq: 11 Sep 2023 15:16

Tgt Ion:113 Resp: 144144
Ion Ratio Lower Upper
113 100
111 103.2 81.3 121.9
192 19.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.394 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

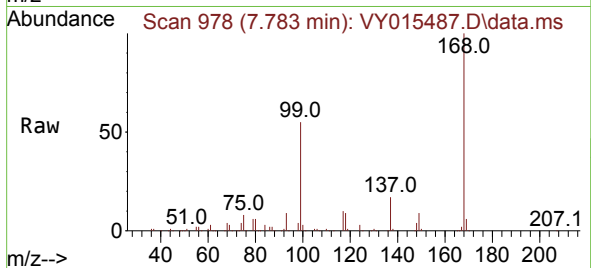
Lab File: VY015487.D

Acq: 11 Sep 2023 15:16

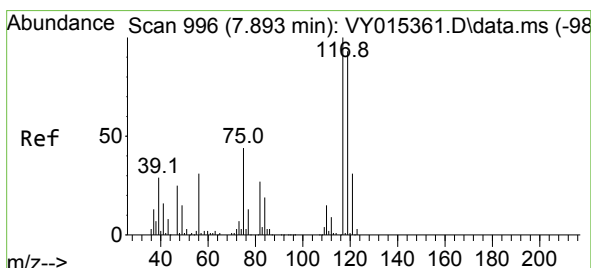
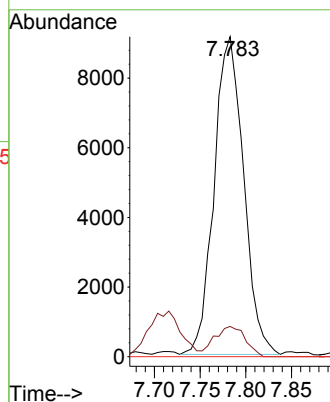
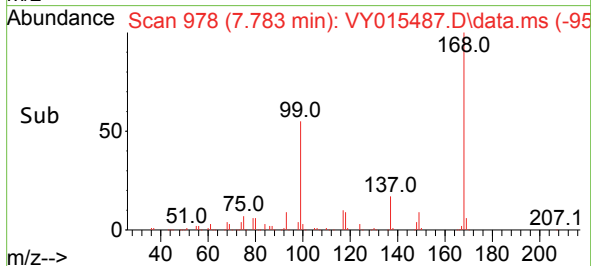
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	75	Resp:	20455
Ion Ratio	Lower	Upper	
75	100		
110	9.8	17.8	53.5#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 5.673 ug/l

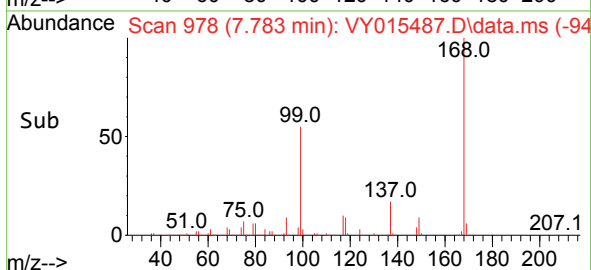
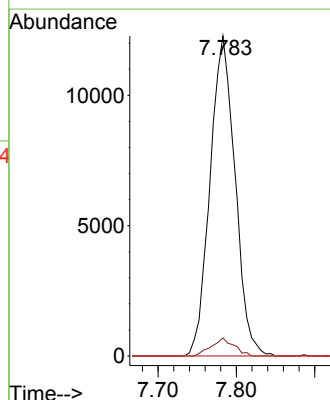
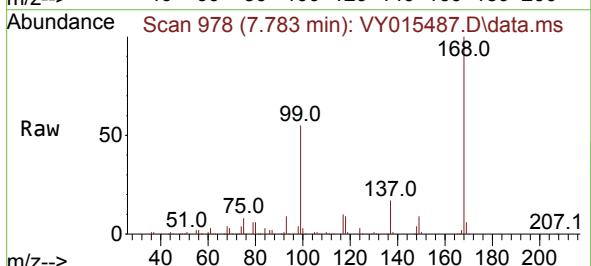
RT: 7.783 min Scan# 978

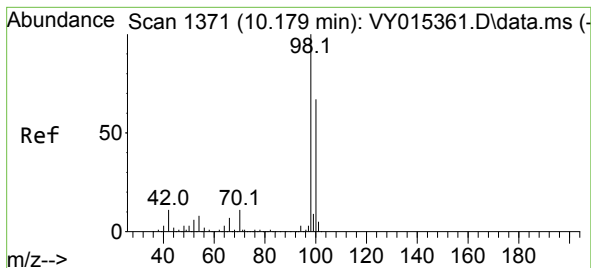
Delta R.T. -0.110 min

Lab File: VY015487.D

Acq: 11 Sep 2023 15:16

Tgt Ion:	117	Resp:	27277
Ion Ratio	Lower	Upper	
117	100		
119	5.6	76.4	114.6#
121	0.0	25.8	38.6#

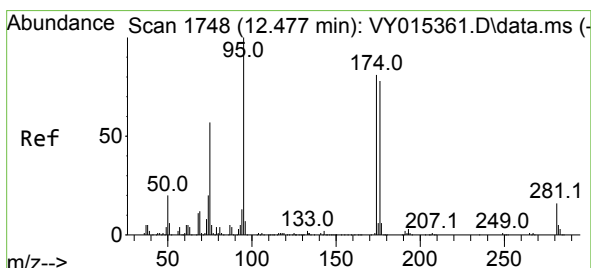
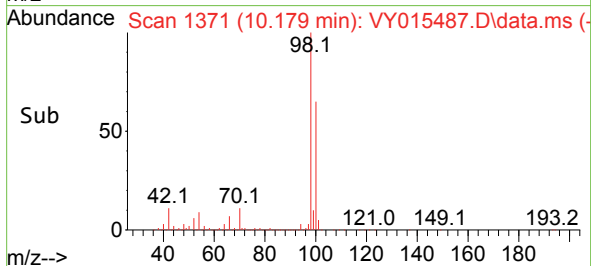
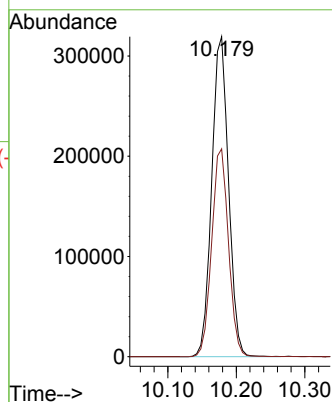
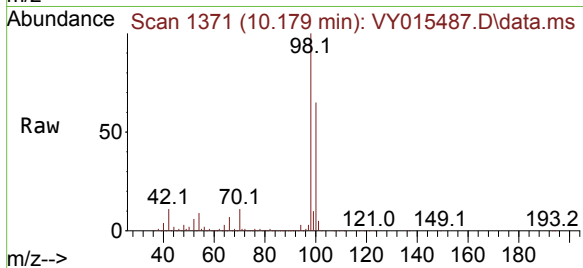




#50
Toluene-d8
Concen: 56.618 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015487.D
Acq: 11 Sep 2023 15:16

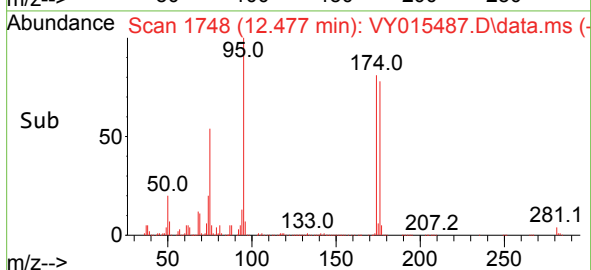
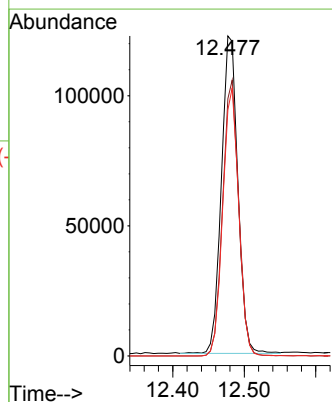
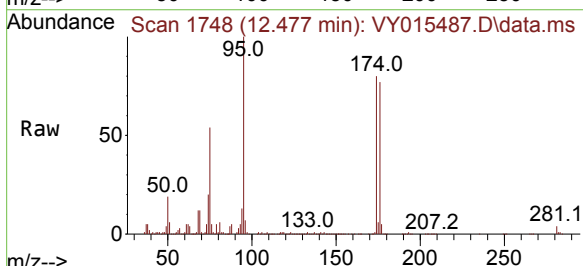
Instrument :
MSVOA_Y
ClientSampleId :

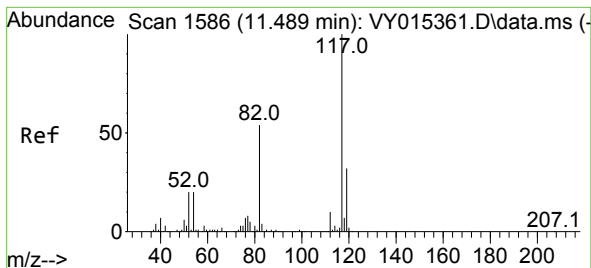
Tgt Ion: 98 Resp: 543587
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 54.692 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015487.D
Acq: 11 Sep 2023 15:16

Tgt Ion: 95 Resp: 194933
Ion Ratio Lower Upper
95 100
174 84.5 0.0 178.2
176 81.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

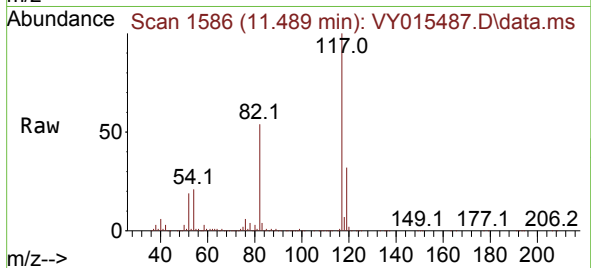
Lab File: VY015487.D

Acq: 11 Sep 2023 15:16

Instrument :

MSVOA_Y

ClientSampleId :



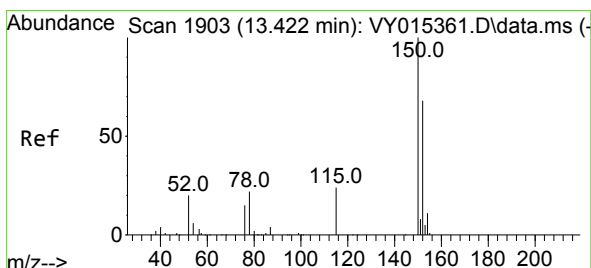
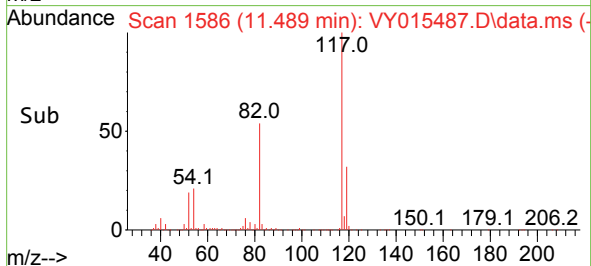
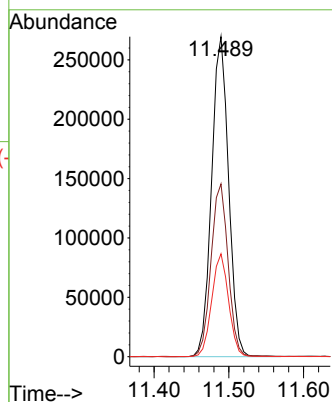
Tgt Ion:117 Resp: 426559

Ion Ratio Lower Upper

117 100

82 53.9 43.4 65.0

119 32.1 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: VY015487.D

Acq: 11 Sep 2023 15:16

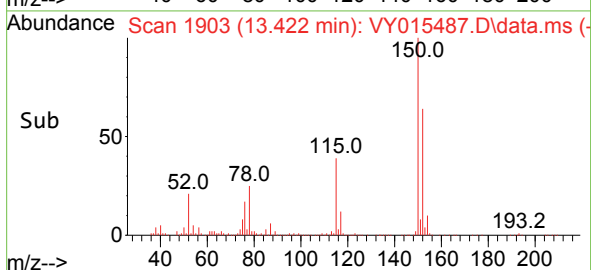
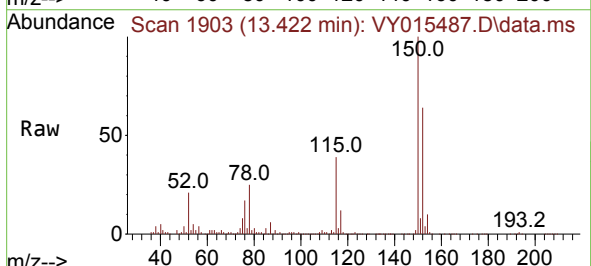
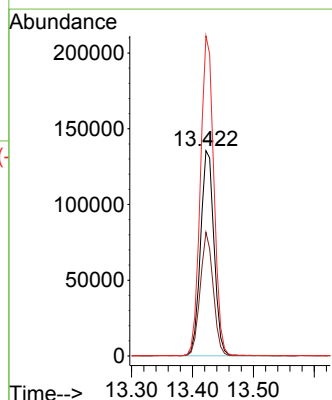
Tgt Ion:152 Resp: 208068

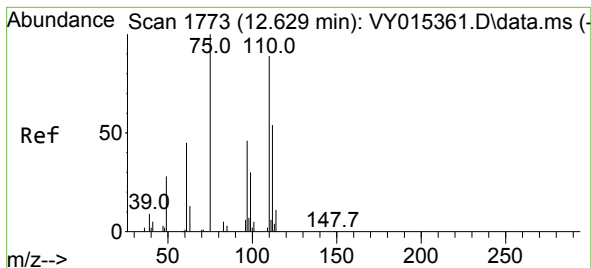
Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 155.6 0.0 348.8

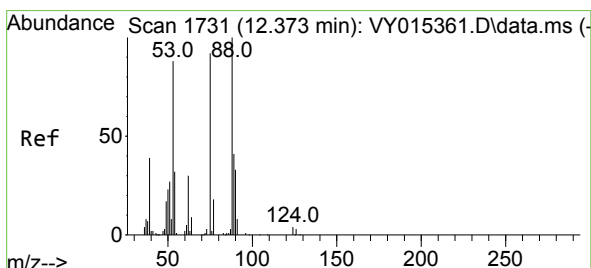
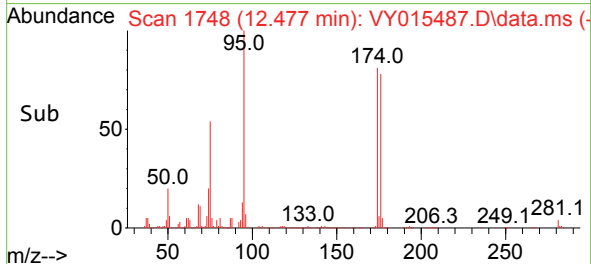
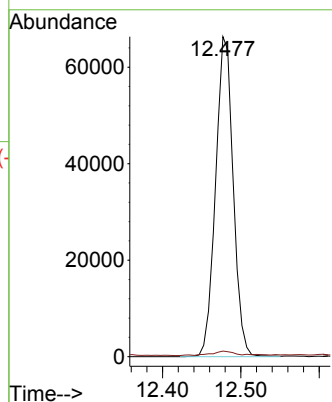
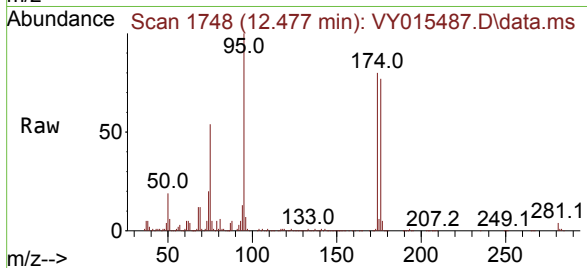




#76
1,2,3-Trichloropropane
Concen: 37.616 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015487.D
Acq: 11 Sep 2023 15:16

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 103790
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.977 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY015487.D
Acq: 11 Sep 2023 15:16

Tgt Ion: 75 Resp: 103790
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

