

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092623\
 Data File : VY015716.D
 Acq On : 26 Sep 2023 18:21
 Operator : SY/MD
 Sample : 04620-09
 Misc : 4.16g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 27 01:35:47 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)

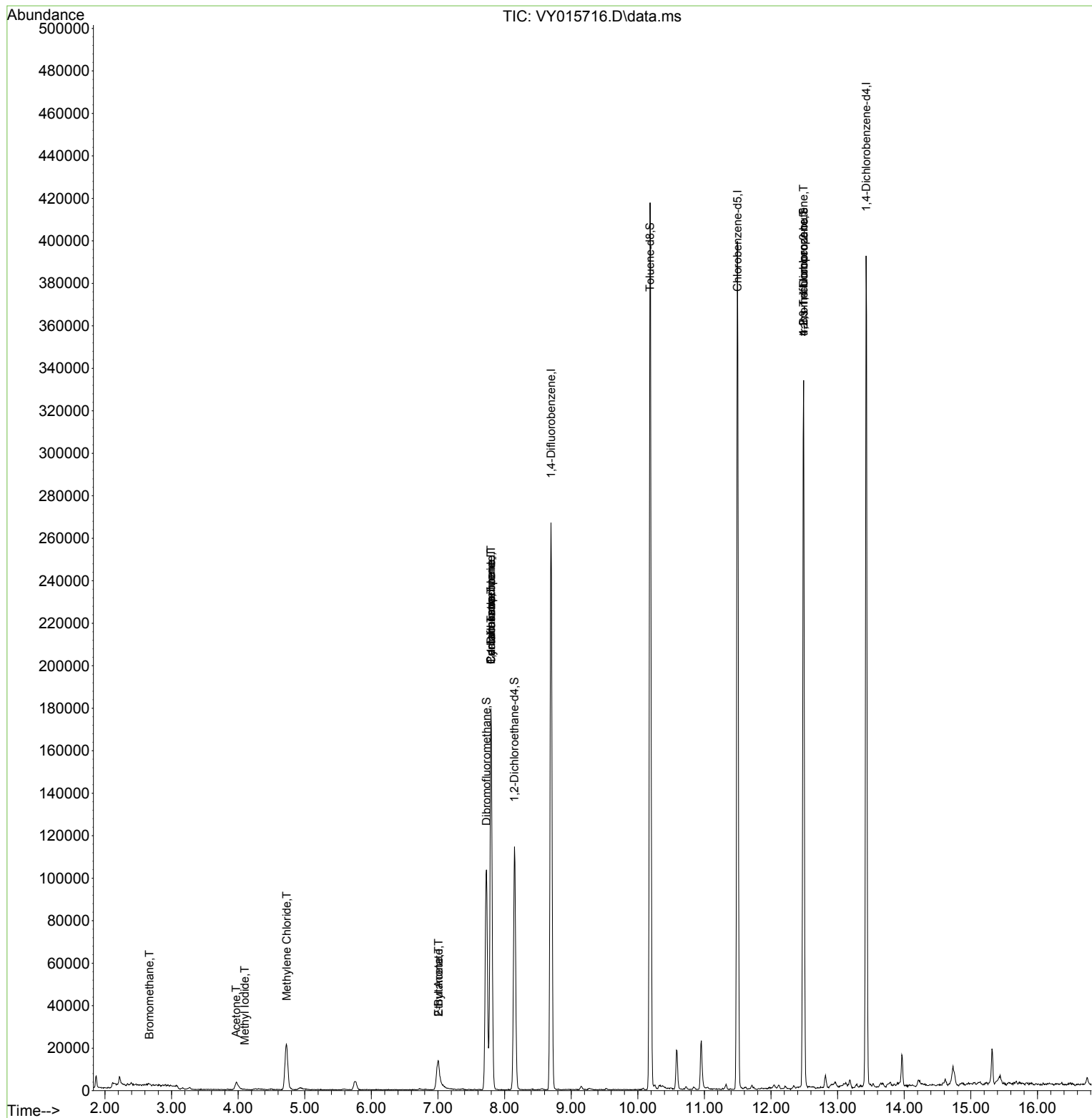
Internal Standards						
1) Pentafluorobenzene	7.795	168	138086	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	232757	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	215486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	100592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	89674	59.022	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.040%	
35) Dibromofluoromethane	7.728	113	75165	53.954	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.900%	
50) Toluene-d8	10.185	98	275507	58.326	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.660%	
62) 4-Bromofluorobenzene	12.489	95	96287	51.943	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.880%	
Target Compounds						Qvalue
5) Bromomethane	2.668	94	155	2.670	ug/l #	61
10) Methyl Iodide	4.101	142	76	2.773	ug/l #	38
11) Tert butyl alcohol	4.917	59	565	Below Cal	#	89
16) Acetone	3.972	43	8119	9.986	ug/l	97
20) Methylene Chloride	4.728	84	16321	4.789	ug/l	89
25) 2-Butanone	7.009	43	3818	3.322	ug/l	95
31) Cyclohexane	7.795	56	3029	1.439	ug/l #	8
36) 1,1-Dichloropropene	7.795	75	10959	5.320	ug/l #	50
37) Ethyl Acetate	7.009	43	3818	1.858	ug/l #	81
38) Carbon Tetrachloride	7.795	117	13434	6.008	ug/l #	17
76) 1,2,3-Trichloropropane	12.489	75	50913	31.726	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	50913	71.444	ug/l #	11

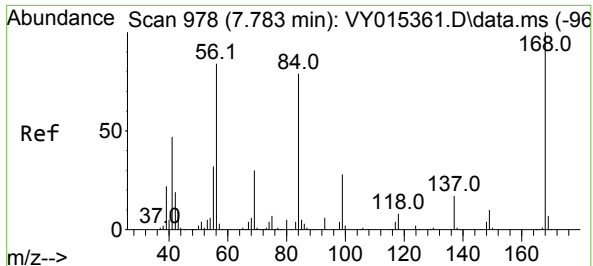
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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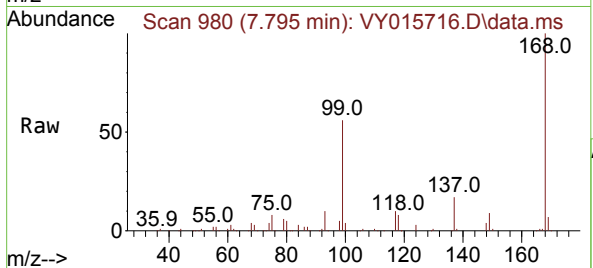
Quant Time: Sep 27 01:35:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
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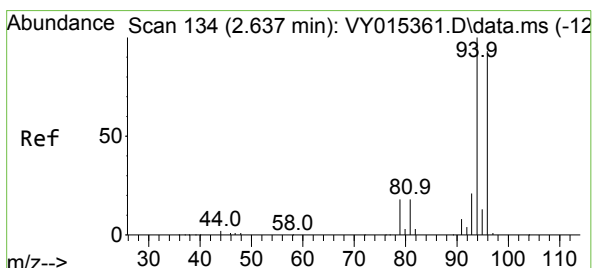
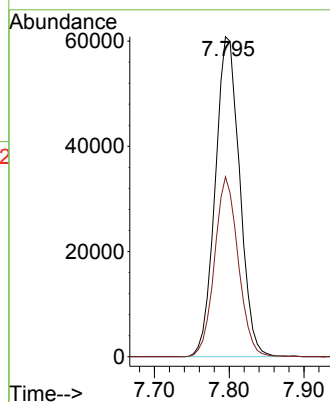
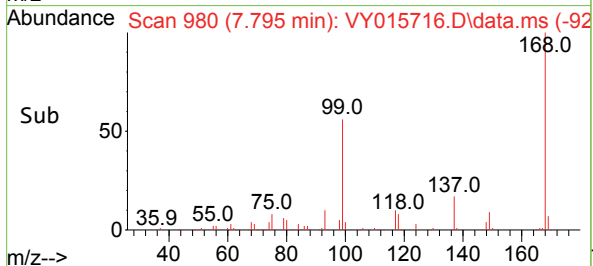


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015716.D
Acq: 26 Sep 2023 18:21

Instrument :
MSVOA_Y
ClientSampleId :

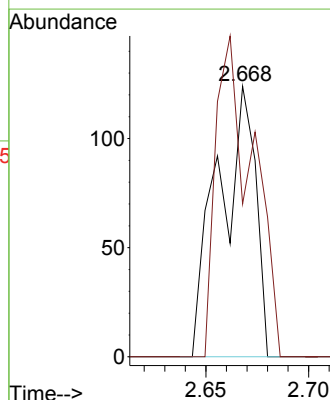
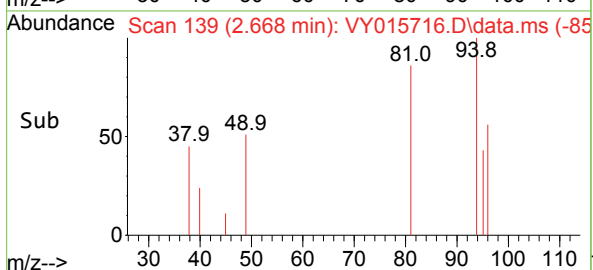
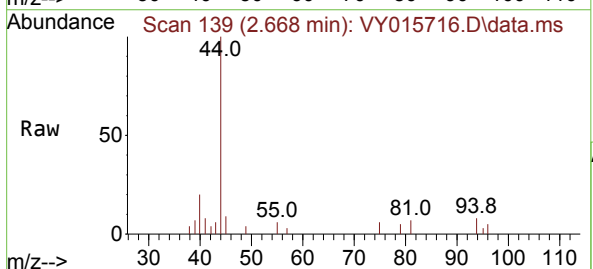


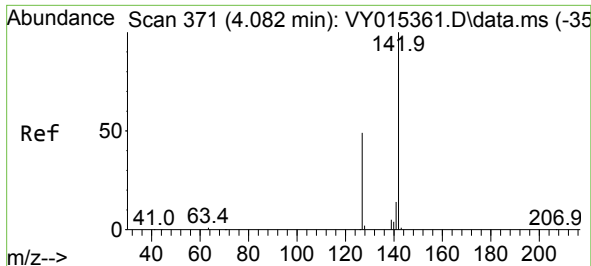
Tgt Ion:168 Resp: 138086
Ion Ratio Lower Upper
168 100
99 56.2 43.4 65.0



#5
Bromomethane
Concen: 2.670 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.031 min
Lab File: VY015716.D
Acq: 26 Sep 2023 18:21

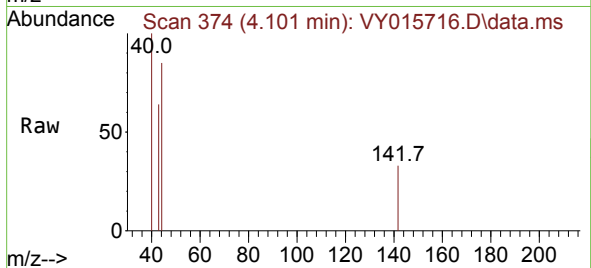
Tgt Ion: 94 Resp: 155
Ion Ratio Lower Upper
94 100
96 56.5 75.8 113.6#



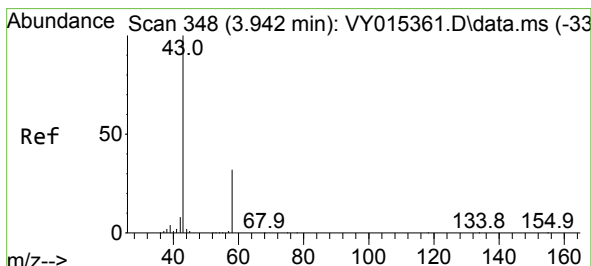
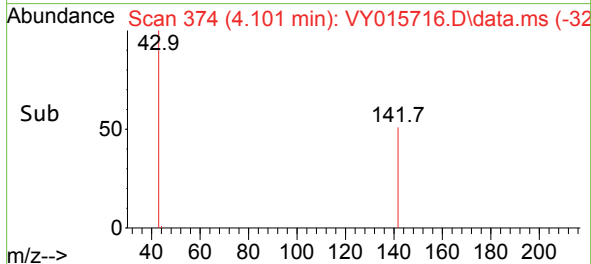
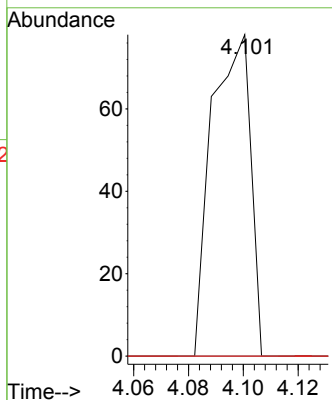


#10
Methyl Iodide
Concen: 2.773 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY015716.D
Acq: 26 Sep 2023 18:21

Instrument :
MSVOA_Y
ClientSampleId :

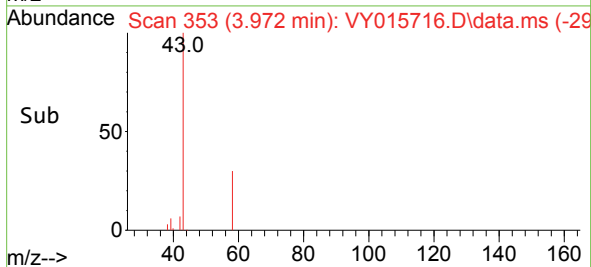
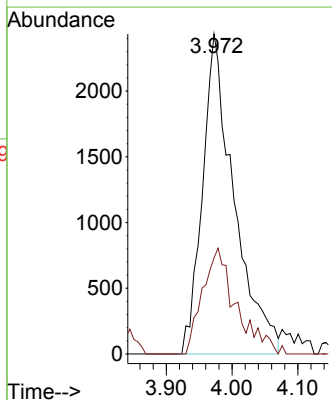
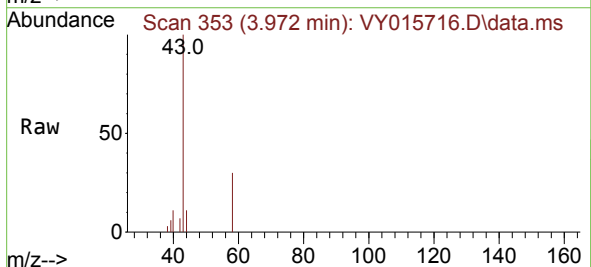


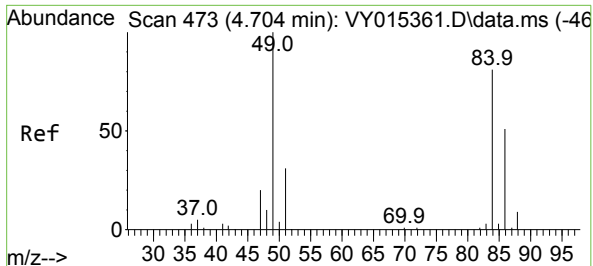
Tgt Ion:142 Resp: 76
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 9.986 ug/l
RT: 3.972 min Scan# 353
Delta R.T. 0.030 min
Lab File: VY015716.D
Acq: 26 Sep 2023 18:21

Tgt Ion: 43 Resp: 8119
Ion Ratio Lower Upper
43 100
58 30.0 22.7 34.1





#20

Methylene Chloride

Concen: 4.789 ug/l

RT: 4.728 min Scan# 41

Delta R.T. 0.024 min

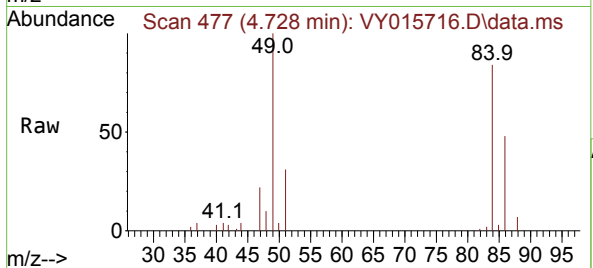
Lab File: VY015716.D

Acq: 26 Sep 2023 18:21

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 16321

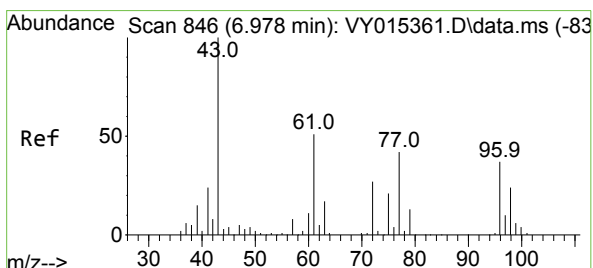
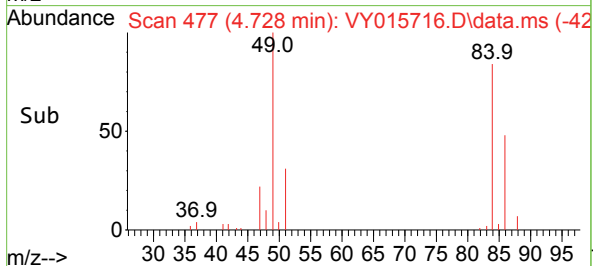
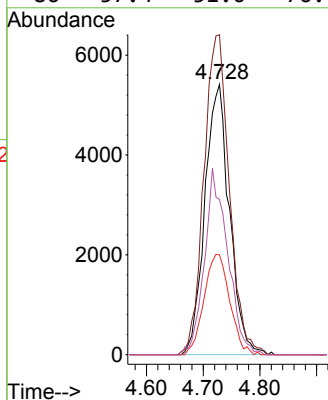
Ion Ratio Lower Upper

84 100

49 118.4 106.9 160.3

51 36.9 33.2 49.8

86 57.4 51.0 76.6



#25

2-Butanone

Concen: 3.322 ug/l

RT: 7.009 min Scan# 851

Delta R.T. 0.031 min

Lab File: VY015716.D

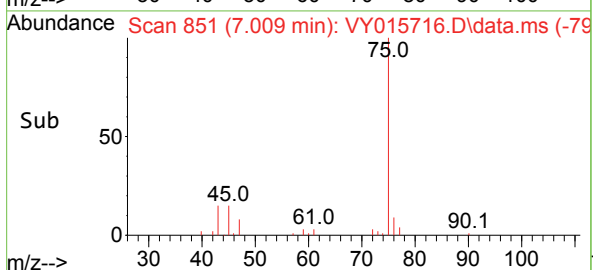
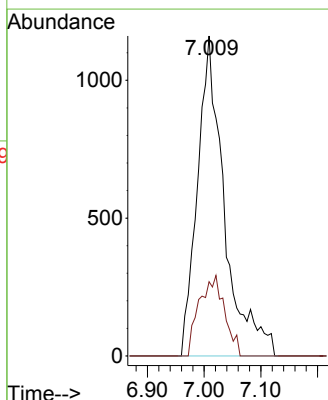
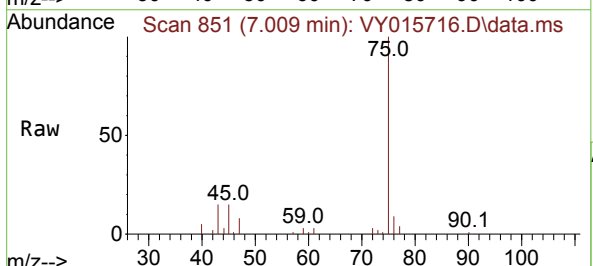
Acq: 26 Sep 2023 18:21

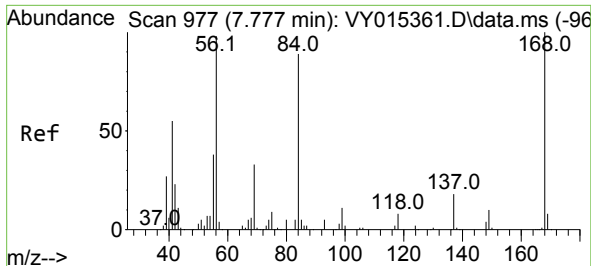
Tgt Ion: 43 Resp: 3818

Ion Ratio Lower Upper

43 100

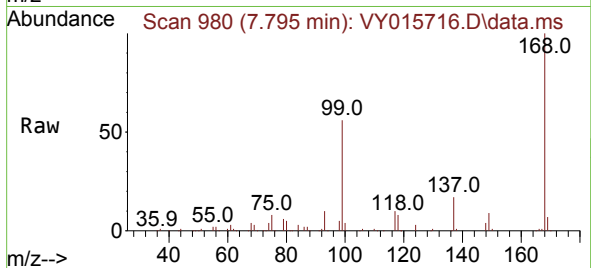
72 23.2 20.5 30.7



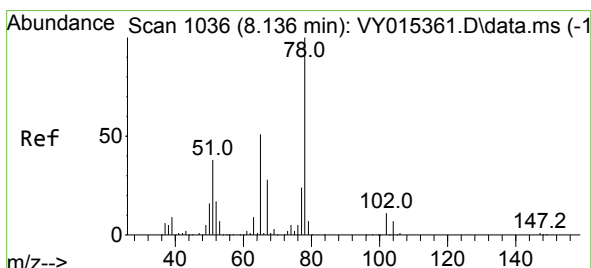
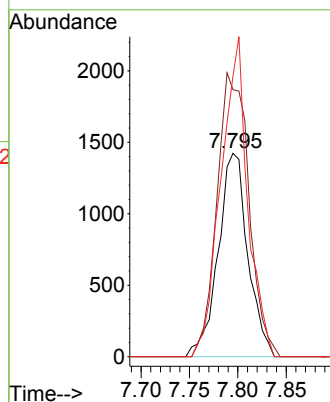
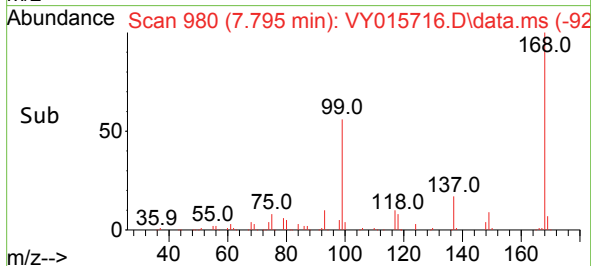


#31
Cyclohexane
Concen: 1.439 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015716.D
Acq: 26 Sep 2023 18:21

Instrument :
MSVOA_Y
ClientSampleId :

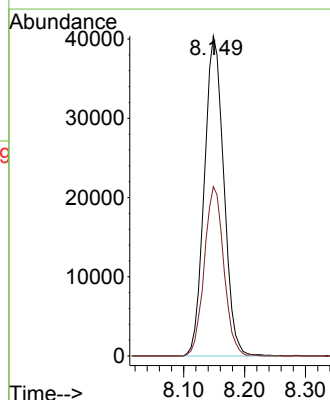
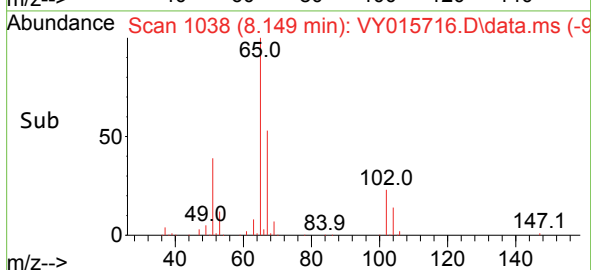
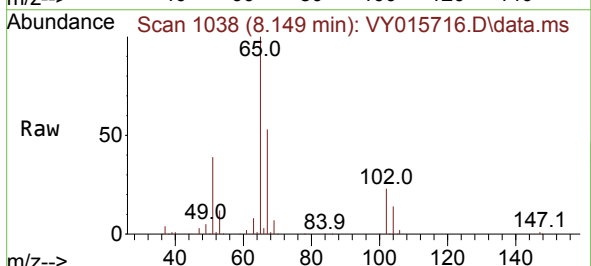


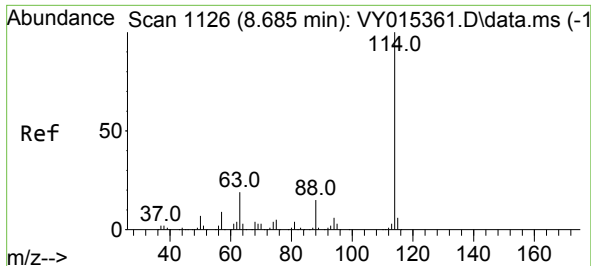
Tgt Ion: 56 Resp: 3029
Ion Ratio Lower Upper
56 100
69 131.3 27.8 41.6#
84 138.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 59.022 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY015716.D
Acq: 26 Sep 2023 18:21

Tgt Ion: 65 Resp: 89674
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY015716.D

Acq: 26 Sep 2023 18:21

Instrument :

MSVOA_Y

ClientSampleId :

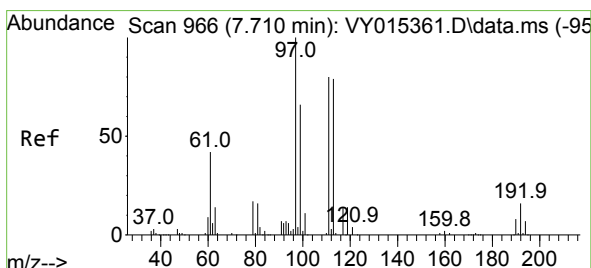
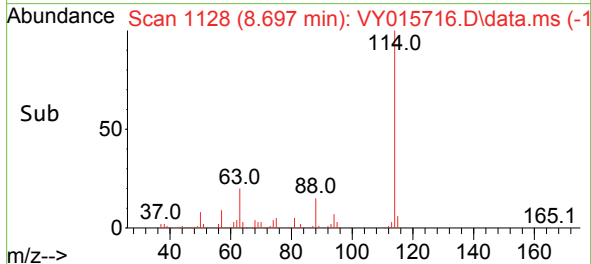
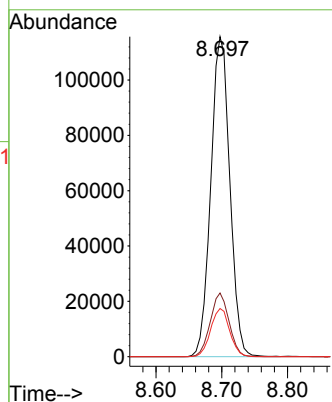
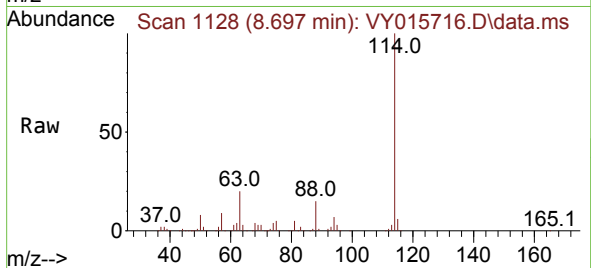
Tgt Ion:114 Resp: 232757

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.954 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY015716.D

Acq: 26 Sep 2023 18:21

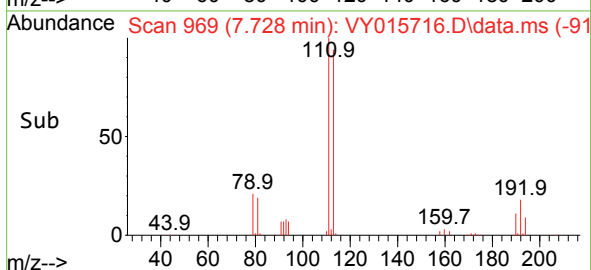
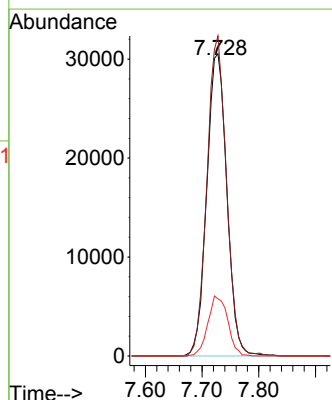
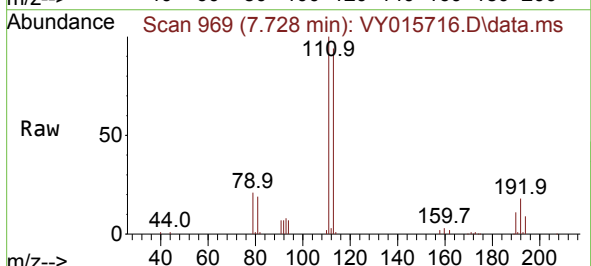
Tgt Ion:113 Resp: 75165

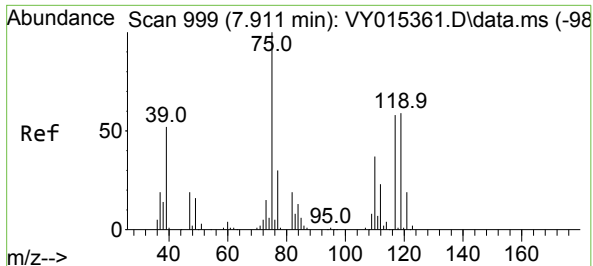
Ion Ratio Lower Upper

113 100

111 103.2 81.3 121.9

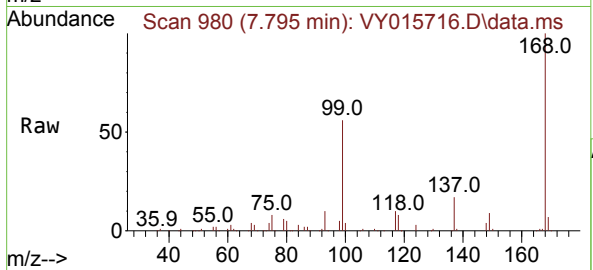
192 19.5 16.9 25.3



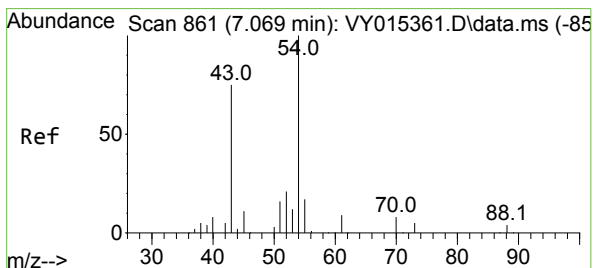
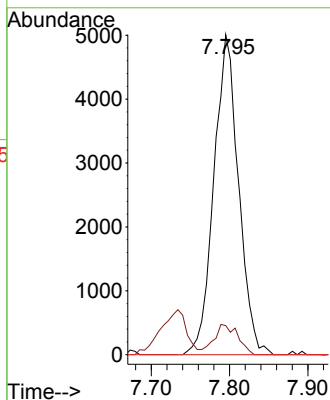
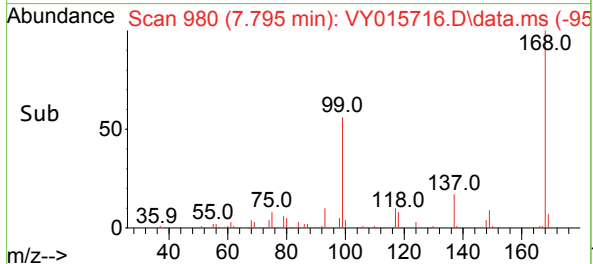


#36
 1,1-Dichloropropene
 Concen: 5.320 ug/l
 RT: 7.795 min Scan# 91
 Delta R.T. -0.116 min
 Lab File: VY015716.D
 Acq: 26 Sep 2023 18:21

Instrument :
 MSVOA_Y
 ClientSampleId :

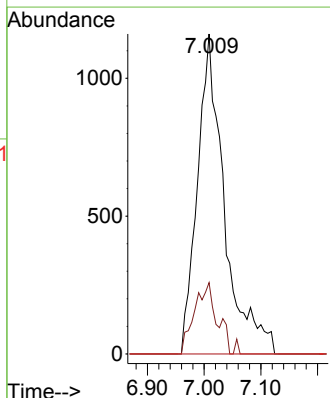
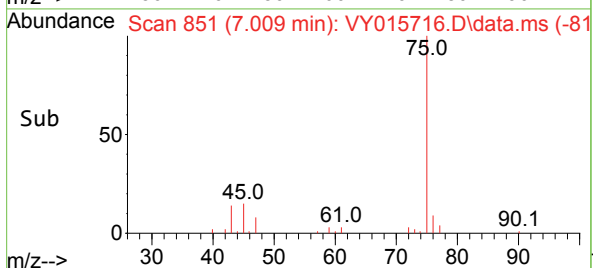
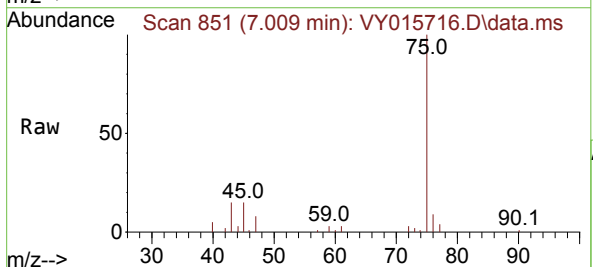


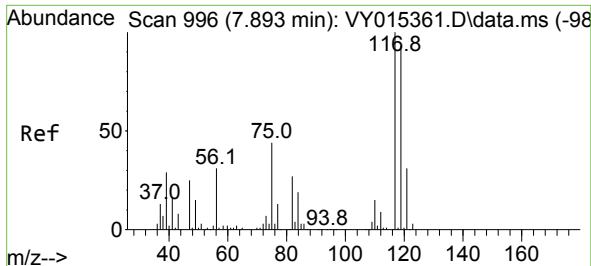
Tgt Ion: 75 Resp: 10959
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.8 53.5#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 1.858 ug/l
 RT: 7.009 min Scan# 851
 Delta R.T. -0.054 min
 Lab File: VY015716.D
 Acq: 26 Sep 2023 18:21

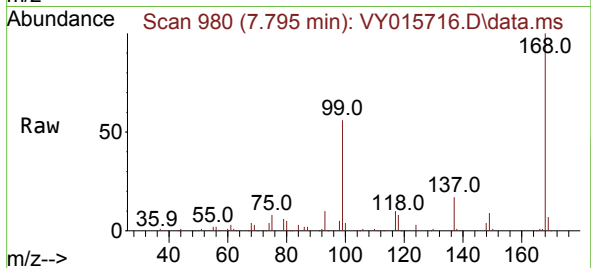
Tgt Ion: 43 Resp: 3818
 Ion Ratio Lower Upper
 43 100
 61 18.7 10.1 15.1#
 70 0.0 7.1 10.7#



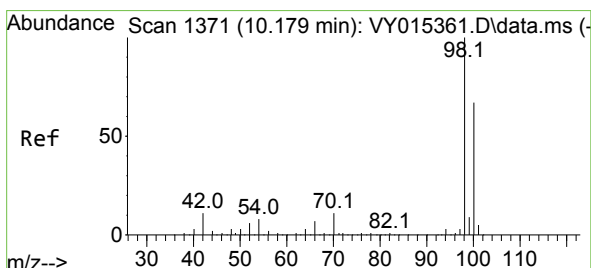
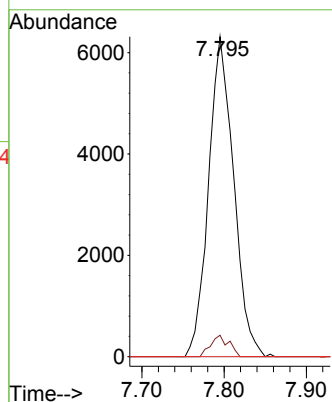
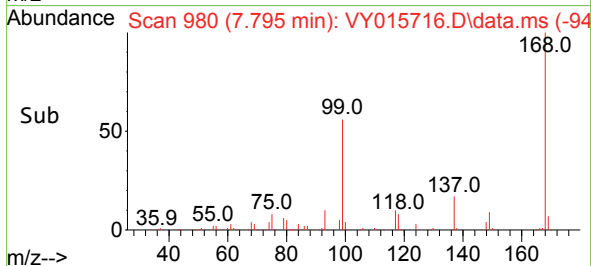


#38
Carbon Tetrachloride
Concen: 6.008 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY015716.D
Acq: 26 Sep 2023 18:21

Instrument :
MSVOA_Y
ClientSampleId :

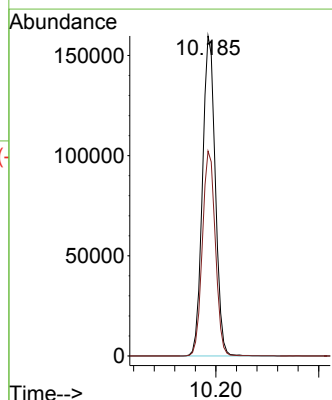
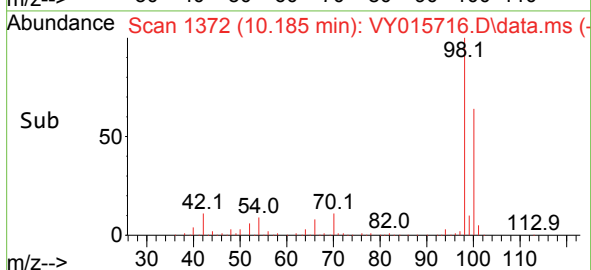
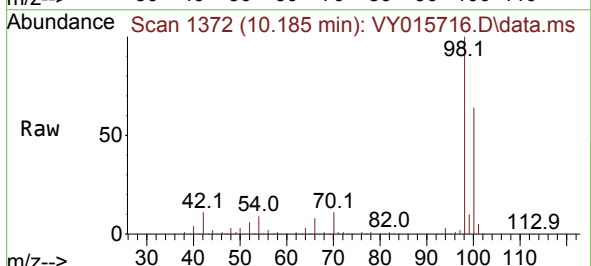


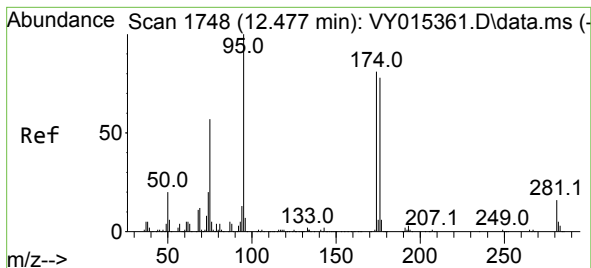
Tgt Ion:117 Resp: 13434
Ion Ratio Lower Upper
117 100
119 6.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 58.326 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY015716.D
Acq: 26 Sep 2023 18:21

Tgt Ion: 98 Resp: 275507
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1

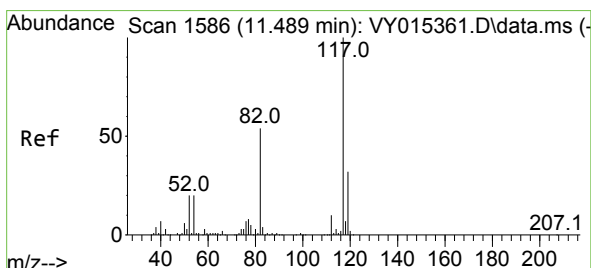
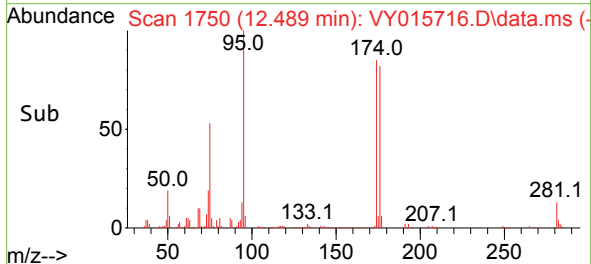
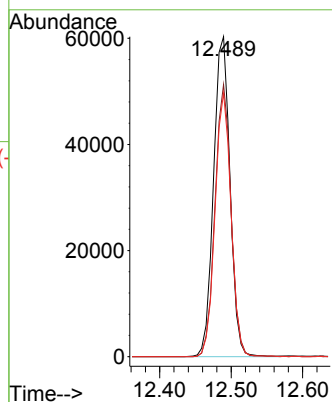
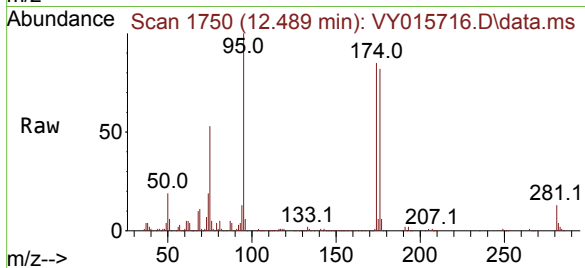




#62
4-Bromofluorobenzene
Concen: 51.943 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.012 min
Lab File: VY015716.D
Acq: 26 Sep 2023 18:21

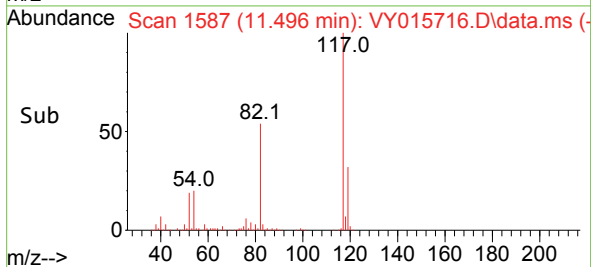
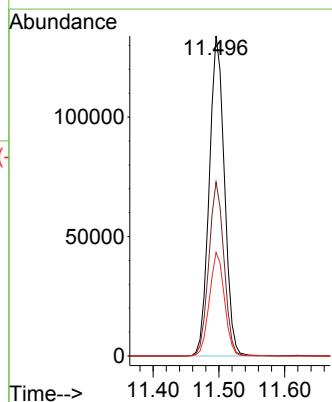
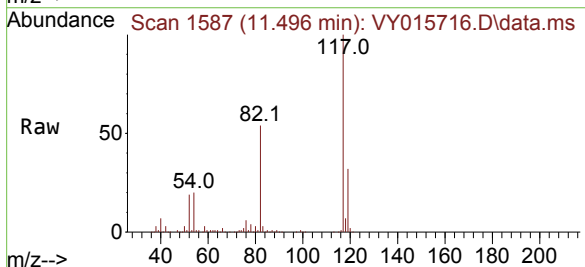
Instrument :
MSVOA_Y
ClientSampleId :

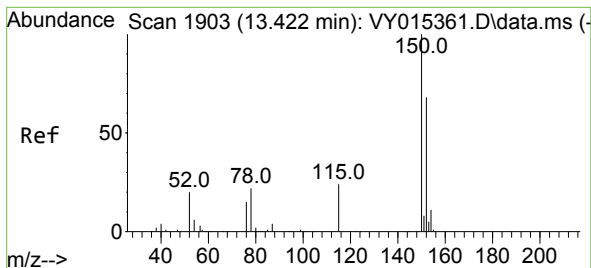
Tgt Ion: 95 Resp: 96287
Ion Ratio Lower Upper
95 100
174 83.1 0.0 178.2
176 80.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY015716.D
Acq: 26 Sep 2023 18:21

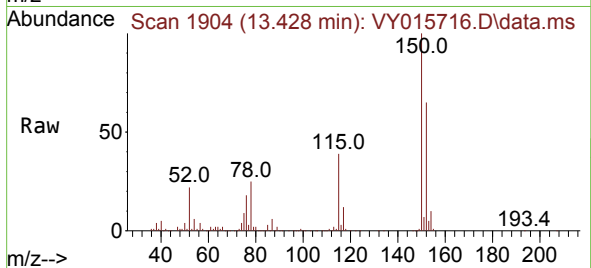
Tgt Ion: 117 Resp: 215486
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 32.3 26.3 39.5



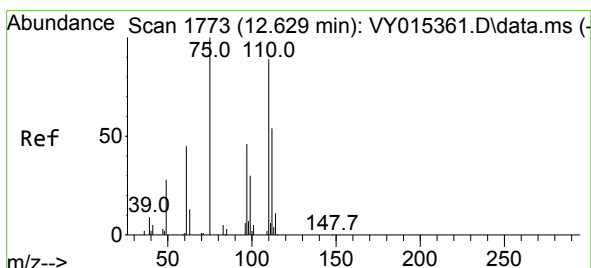
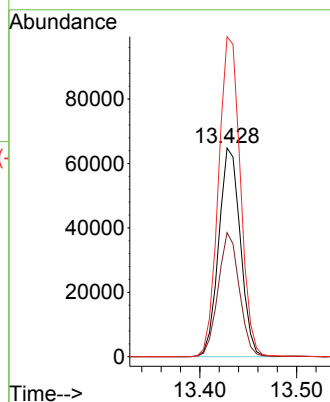
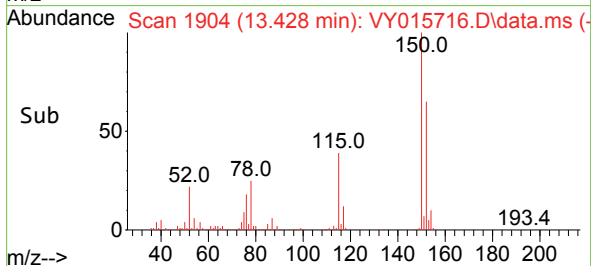


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY015716.D
 Acq: 26 Sep 2023 18:21

Instrument :
 MSVOA_Y
 ClientSampleId :

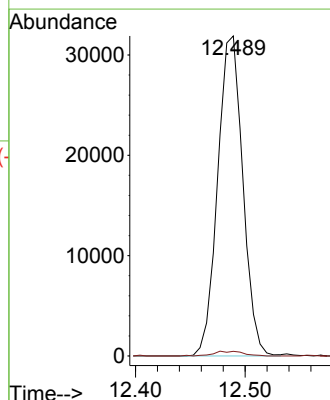
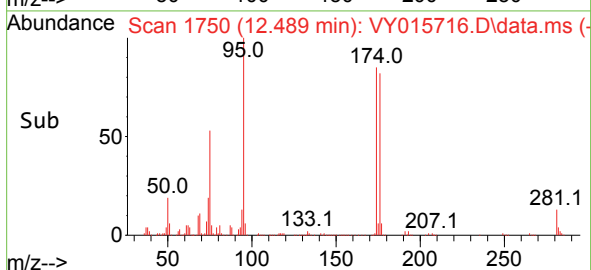
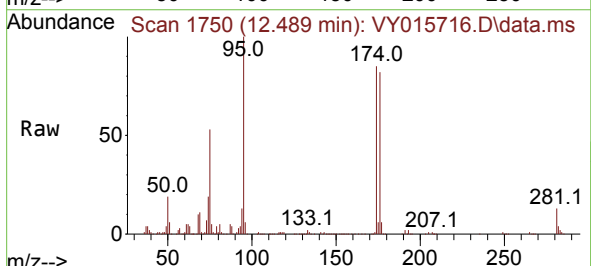


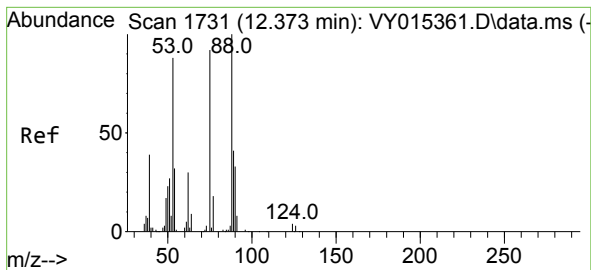
Tgt Ion:152 Resp: 100592
 Ion Ratio Lower Upper
 152 100
 115 58.2 28.8 86.5
 150 155.1 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 31.726 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.140 min
 Lab File: VY015716.D
 Acq: 26 Sep 2023 18:21

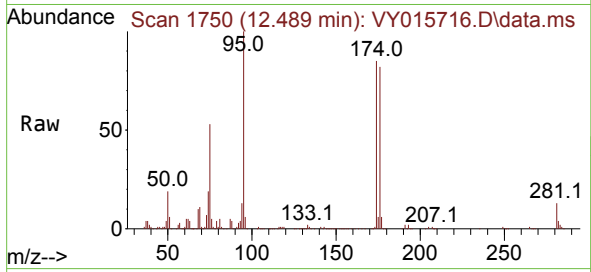
Tgt Ion: 75 Resp: 50913
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.444 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY015716.D
 Acq: 26 Sep 2023 18:21

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 50913
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.3 37.4 56.0#

