

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082323\
 Data File : VY015297.D
 Acq On : 23 Aug 2023 21:41
 Operator : SY/MD
 Sample : 04116-09
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 24 02:38:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

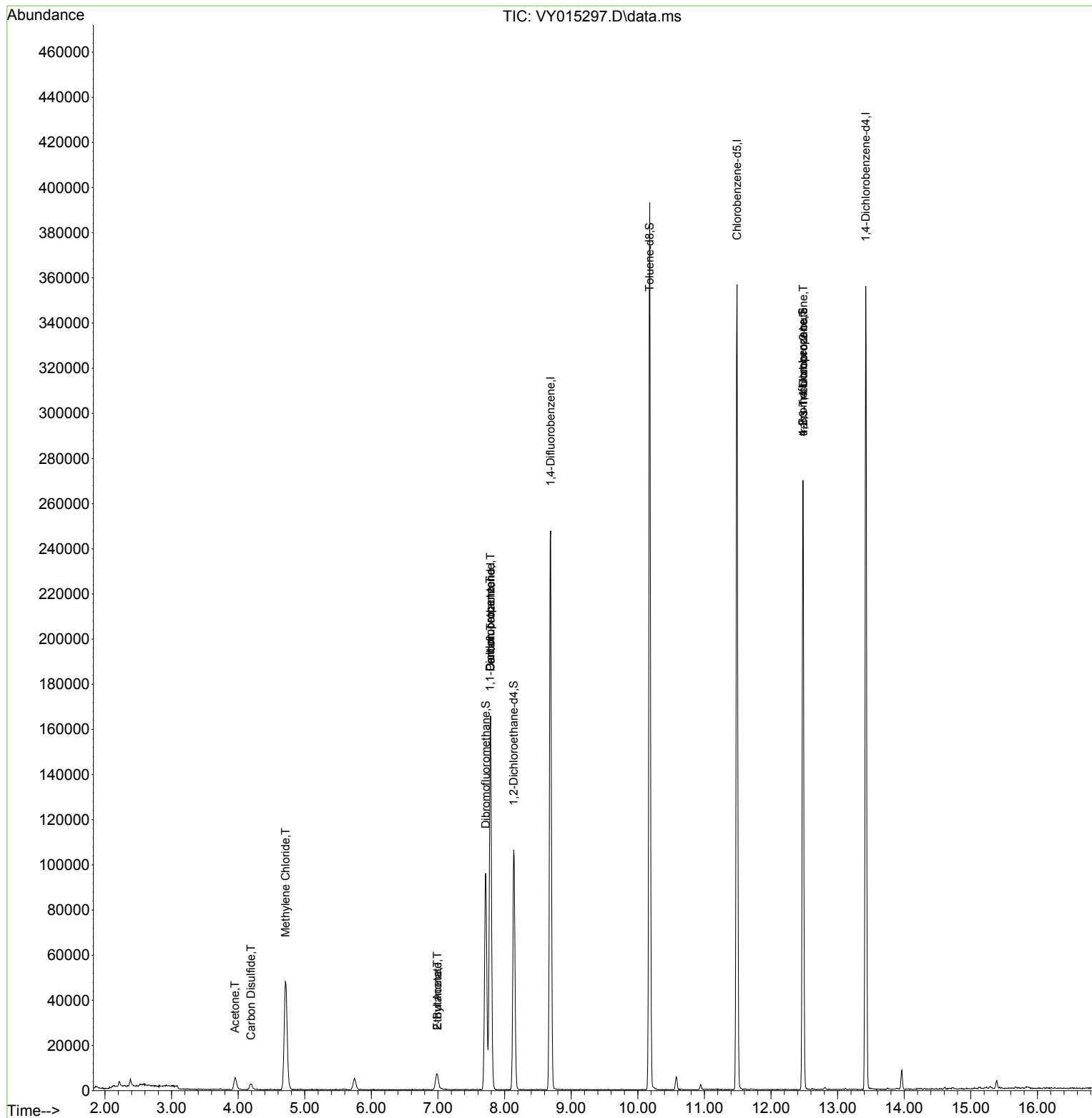
Internal Standards						
1) Pentafluorobenzene	7.789	168	128188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	213599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	190131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	89996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	84663	55.020	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.040%
35) Dibromofluoromethane	7.716	113	67392	49.042	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.080%
50) Toluene-d8	10.179	98	248056	48.492	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.980%
62) 4-Bromofluorobenzene	12.477	95	83541	44.713	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.420%
Target Compounds						
						Qvalue
3) Chloromethane	2.107	50	109	Below Cal	#	43
5) Bromomethane	2.656	94	75	Below Cal		96
11) Tert butyl alcohol	4.942	59	162	Below Cal	#	89
13) Acrolein	3.735	56	333	Below Cal	#	81
16) Acetone	3.954	43	9957	19.807	ug/l #	88
17) Carbon Disulfide	4.192	76	5729	3.650	ug/l	99
20) Methylene Chloride	4.710	84	37239	29.090	ug/l	93
25) 2-Butanone	6.990	43	2977	4.183	ug/l #	71
31) Cyclohexane	7.789	56	2638	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	9857	6.484	ug/l #	49
37) Ethyl Acetate	6.990	43	2977	2.101	ug/l #	80
38) Carbon Tetrachloride	7.789	117	12630	7.020	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	44612	40.802	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	44612	89.620	ug/l #	10

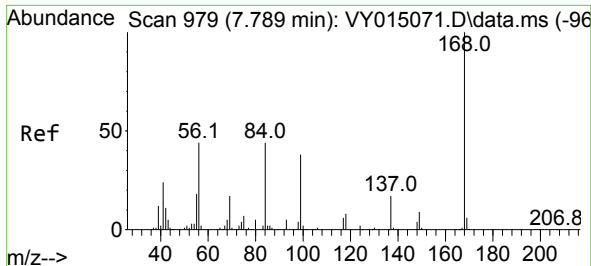
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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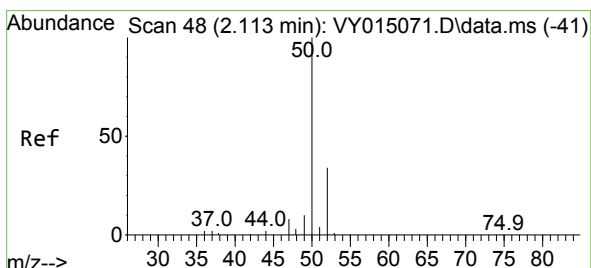
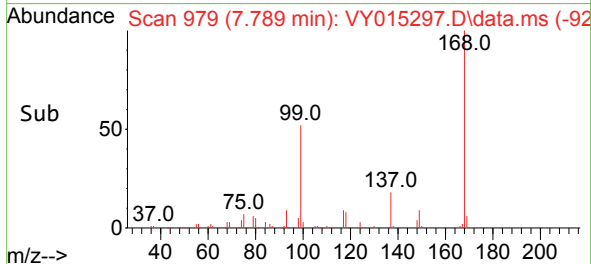
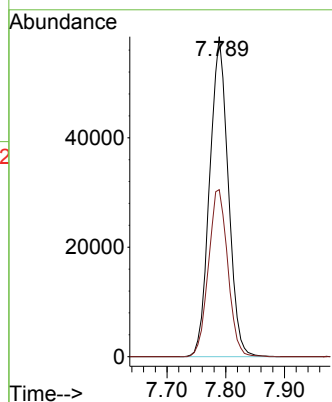
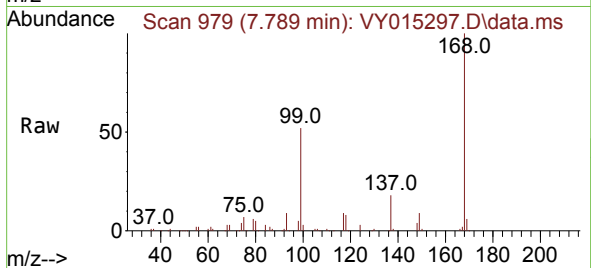




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015297.D
Acq: 23 Aug 2023 21:41

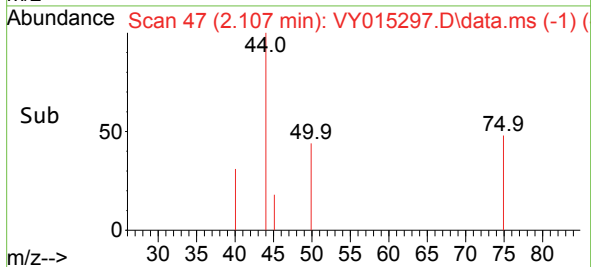
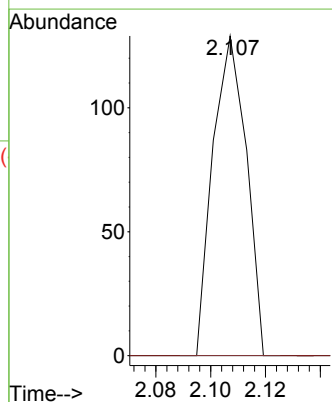
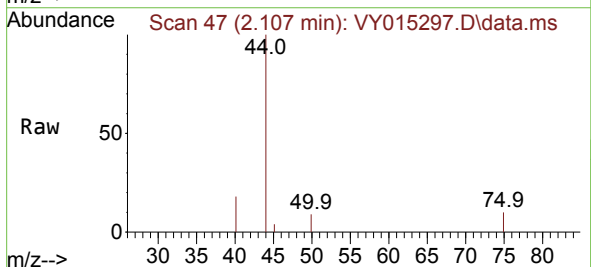
Instrument :
MSVOA_Y
ClientSampleId :

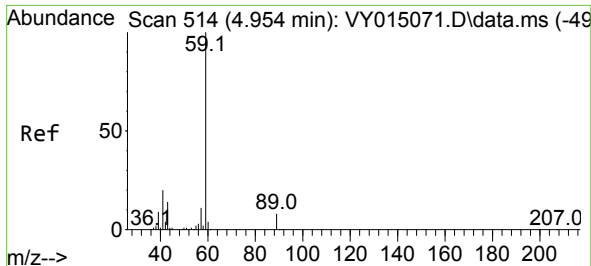
Tgt Ion:168 Resp: 128188
Ion Ratio Lower Upper
168 100
99 52.2 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015297.D
Acq: 23 Aug 2023 21:41

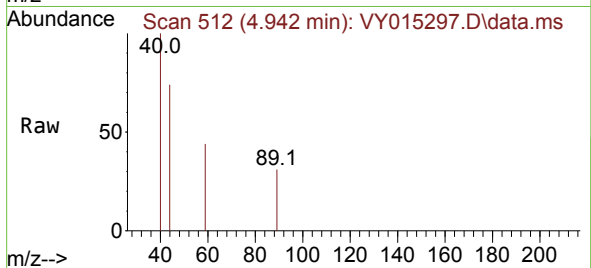
Tgt Ion: 50 Resp: 109
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



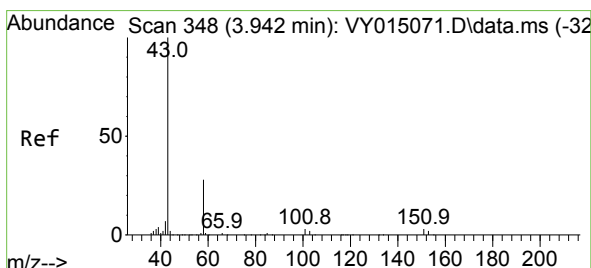
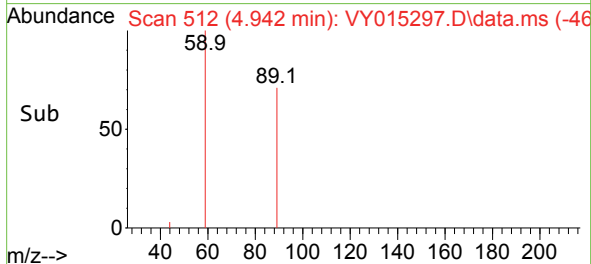
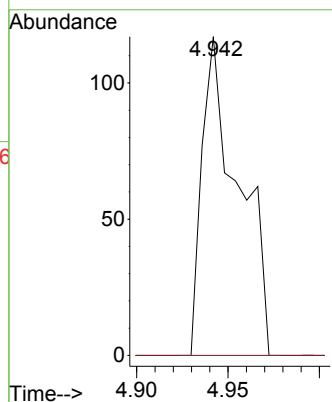


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY015297.D
Acq: 23 Aug 2023 21:41

Instrument :
MSVOA_Y
ClientSampleId :

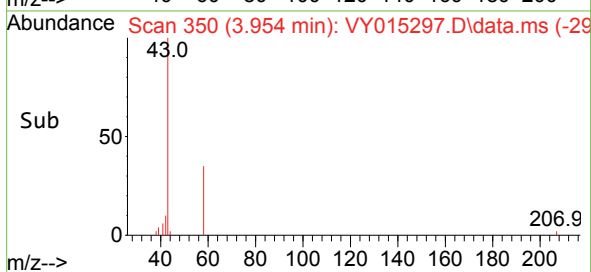
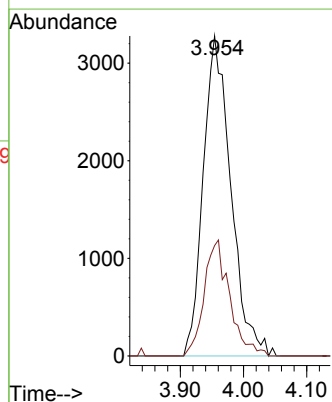
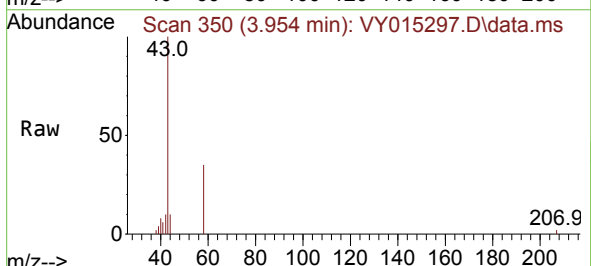


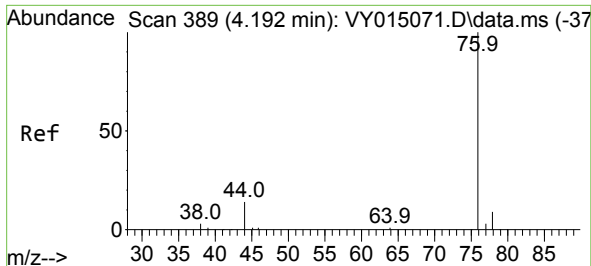
Tgt Ion: 59 Resp: 162
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 19.807 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015297.D
Acq: 23 Aug 2023 21:41

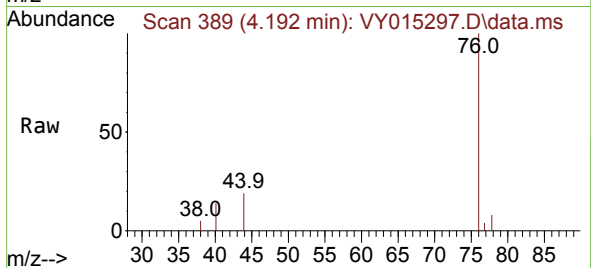
Tgt Ion: 43 Resp: 9957
Ion Ratio Lower Upper
43 100
58 34.5 22.7 34.1#



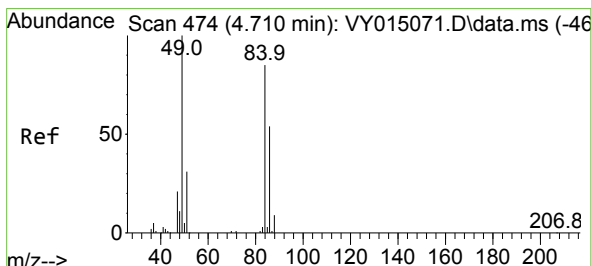
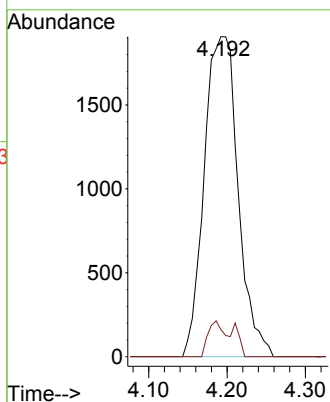
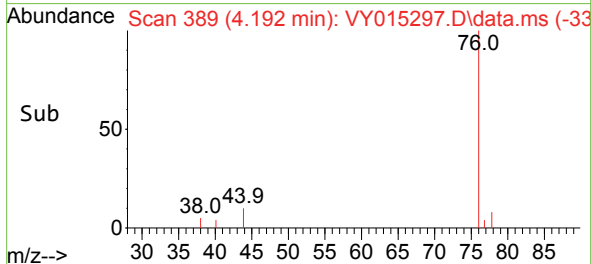


#17
Carbon Disulfide
Concen: 3.650 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY015297.D
Acq: 23 Aug 2023 21:41

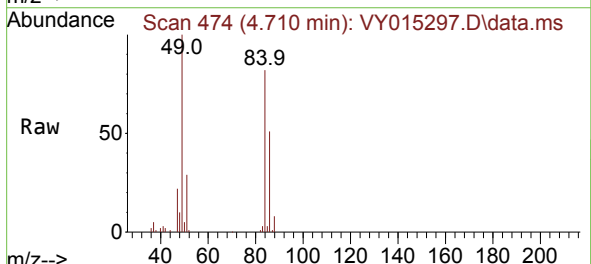
Instrument :
MSVOA_Y
ClientSampleId :



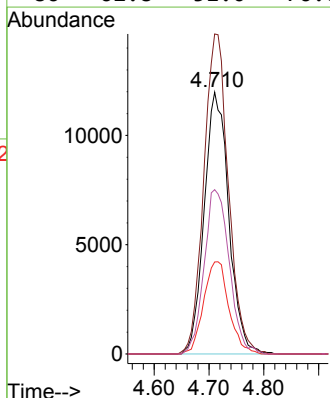
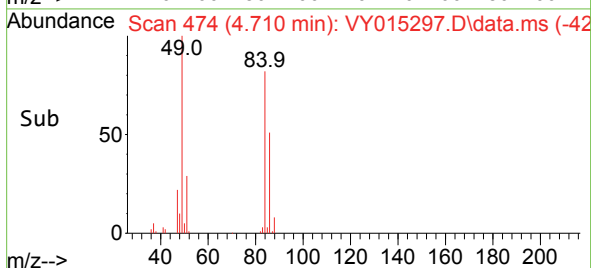
Tgt Ion: 76 Resp: 5729
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.4

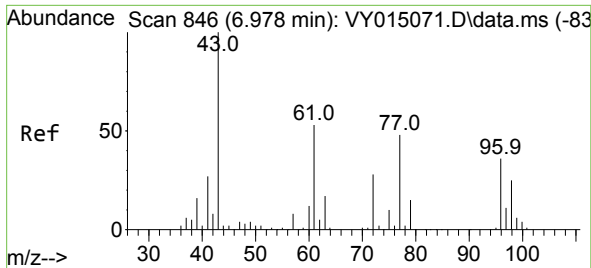


#20
Methylene Chloride
Concen: 29.090 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY015297.D
Acq: 23 Aug 2023 21:41



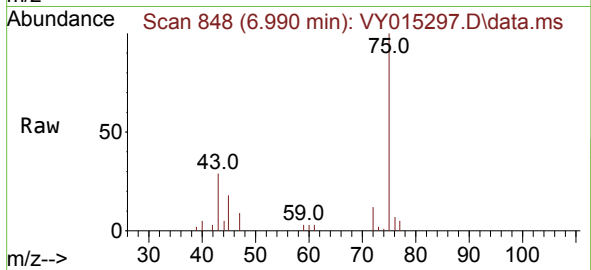
Tgt Ion: 84 Resp: 37239
Ion Ratio Lower Upper
84 100
49 122.3 106.9 160.3
51 35.2 33.2 49.8
86 62.8 51.0 76.6



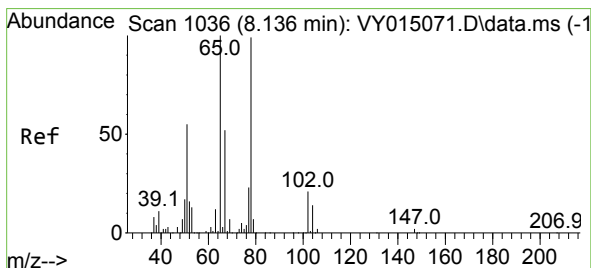
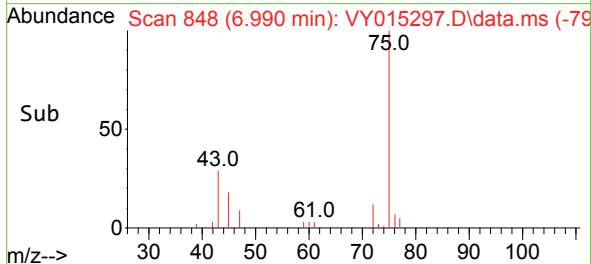
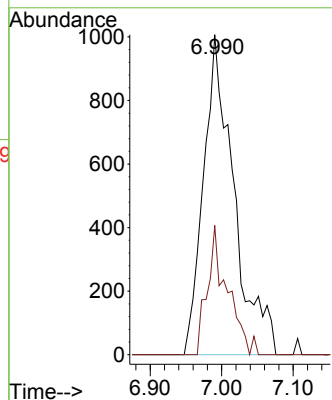


#25
2-Butanone
Concen: 4.183 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY015297.D
Acq: 23 Aug 2023 21:41

Instrument :
MSVOA_Y
ClientSampleId :

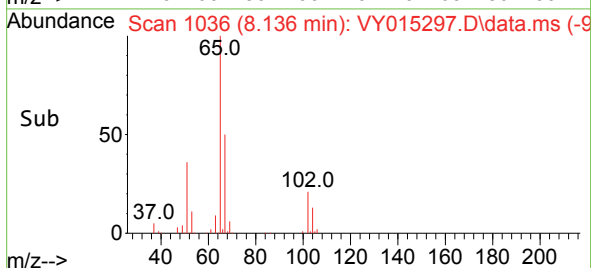
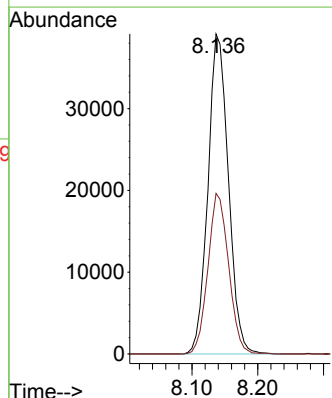
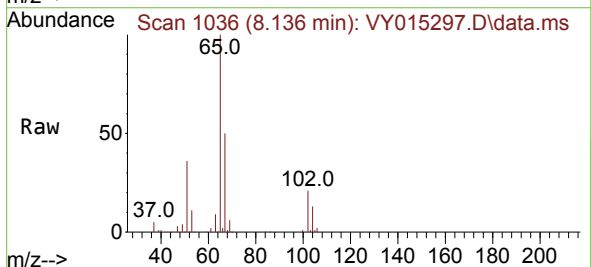


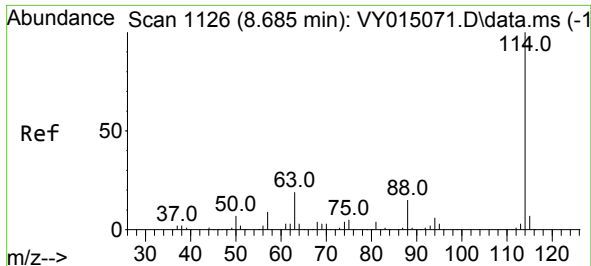
Tgt Ion: 43 Resp: 2977
Ion Ratio Lower Upper
43 100
72 40.4 20.5 30.7#



#33
1,2-Dichloroethane-d4
Concen: 55.020 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015297.D
Acq: 23 Aug 2023 21:41

Tgt Ion: 65 Resp: 84663
Ion Ratio Lower Upper
65 100
67 50.8 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: VY015297.D

Acq: 23 Aug 2023 21:41

Instrument :

MSVOA_Y

ClientSampleId :

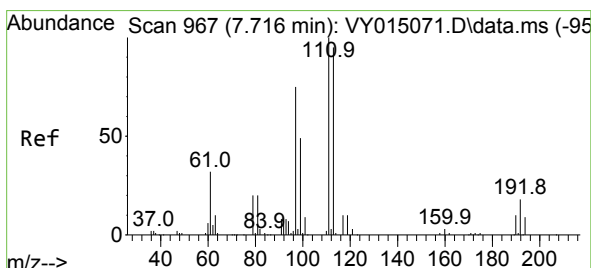
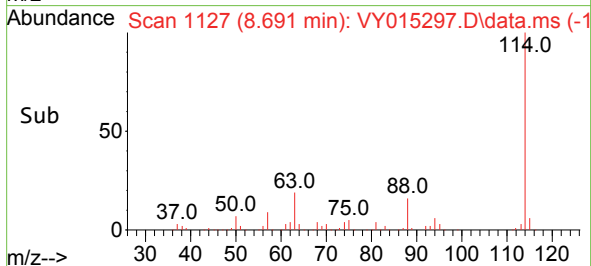
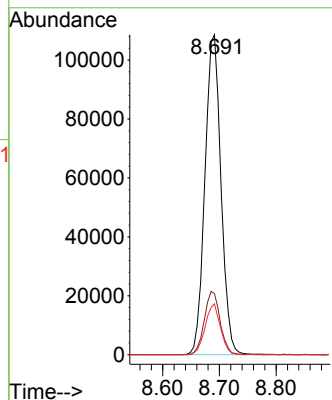
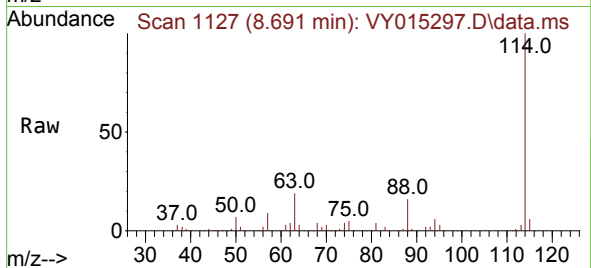
Tgt Ion:114 Resp: 213599

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.042 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015297.D

Acq: 23 Aug 2023 21:41

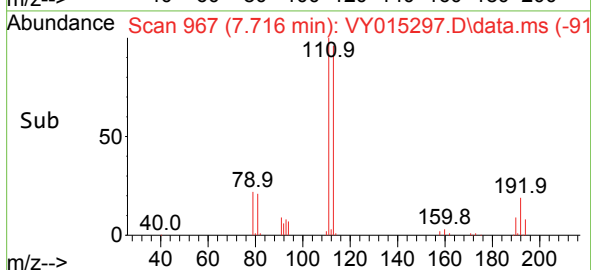
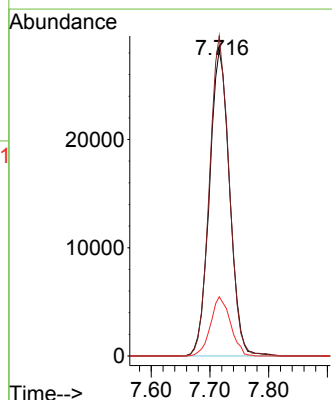
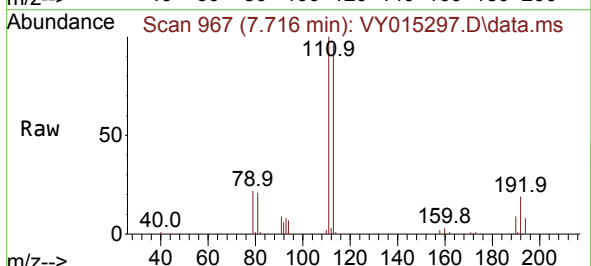
Tgt Ion:113 Resp: 67392

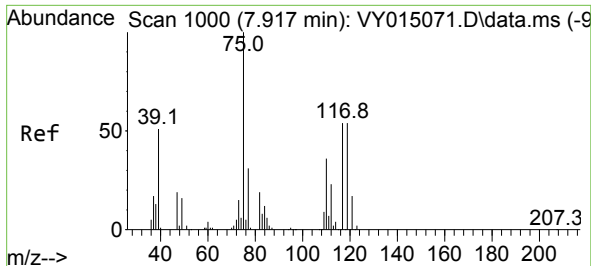
Ion Ratio Lower Upper

113 100

111 102.4 81.3 121.9

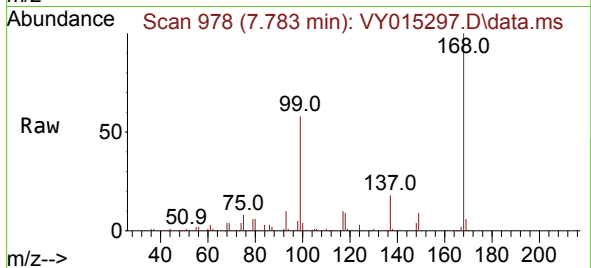
192 19.1 16.9 25.3



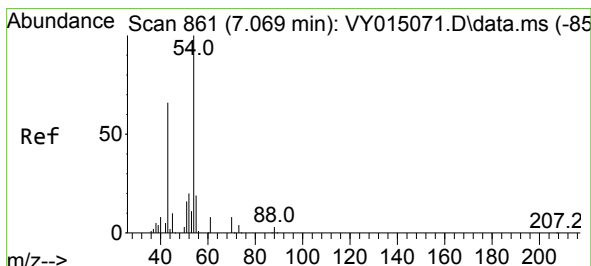
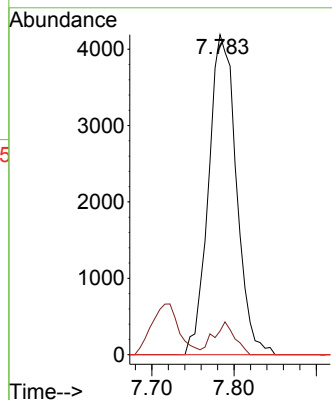
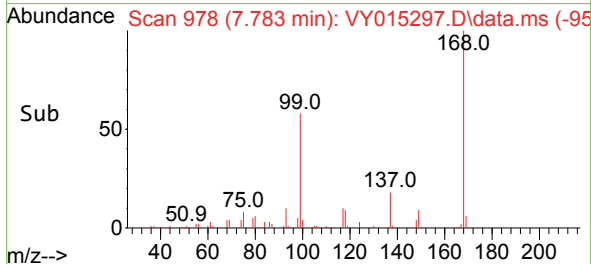


#36
1,1-Dichloropropene
Concen: 6.484 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015297.D
Acq: 23 Aug 2023 21:41

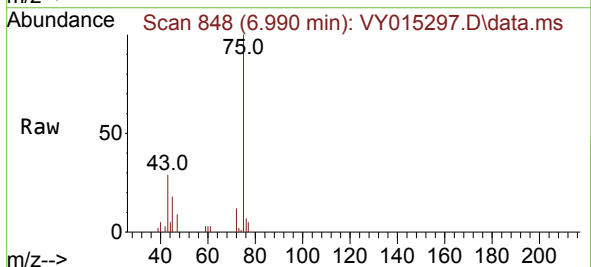
Instrument :
MSVOA_Y
ClientSampleId :



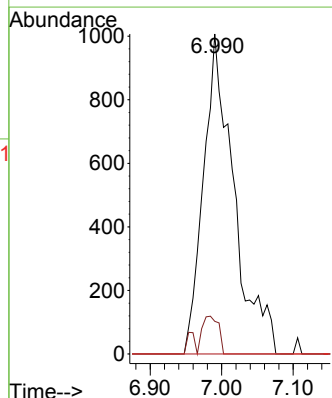
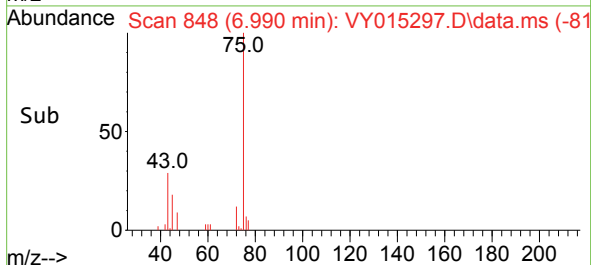
Tgt Ion: 75 Resp: 9857
Ion Ratio Lower Upper
75 100
110 7.8 17.8 53.5#
77 0.0 24.4 36.6#

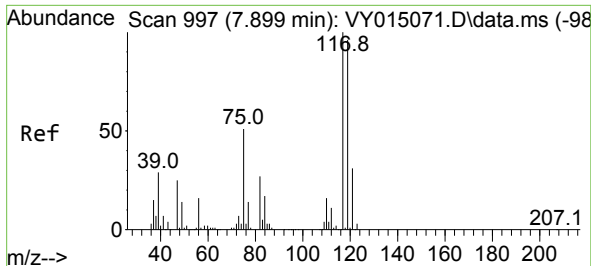


#37
Ethyl Acetate
Concen: 2.101 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.079 min
Lab File: VY015297.D
Acq: 23 Aug 2023 21:41



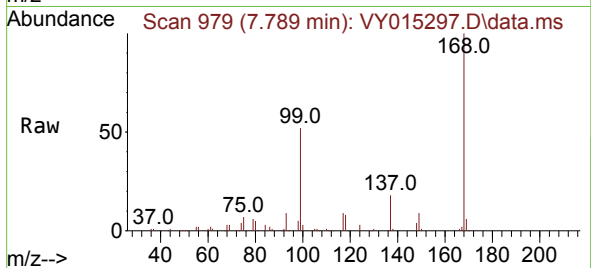
Tgt Ion: 43 Resp: 2977
Ion Ratio Lower Upper
43 100
61 6.3 10.1 15.1#
70 0.0 7.1 10.7#



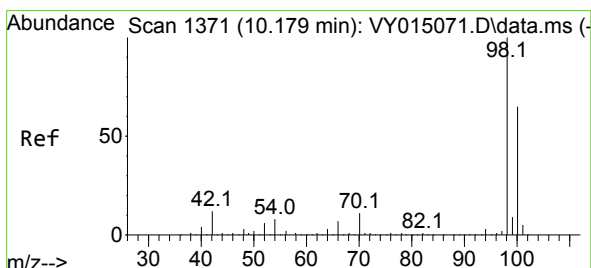
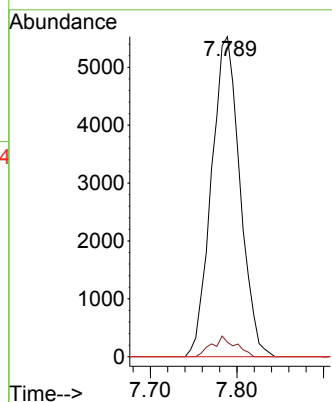
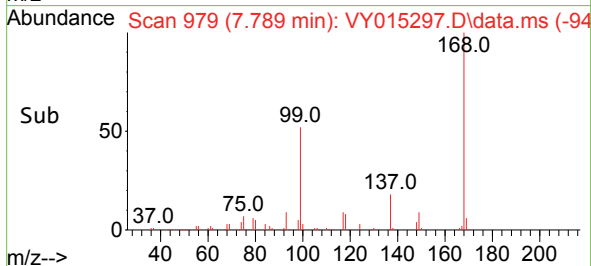


#38
Carbon Tetrachloride
Concen: 7.020 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015297.D
Acq: 23 Aug 2023 21:41

Instrument :
MSVOA_Y
ClientSampleId :

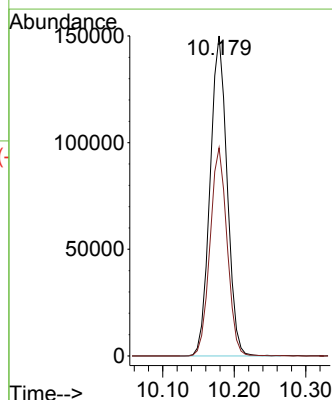
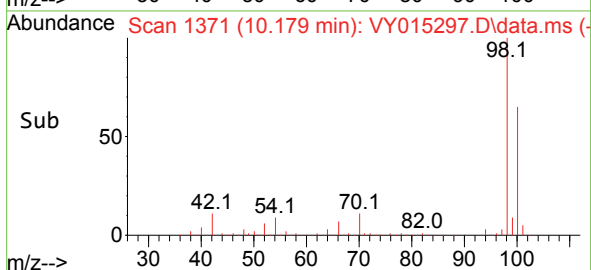
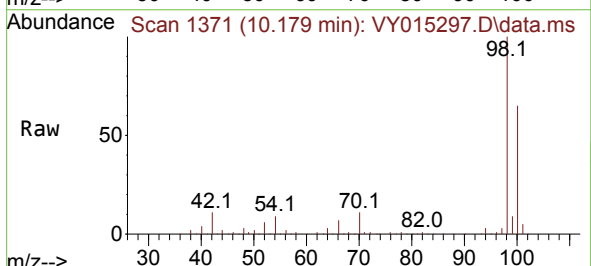


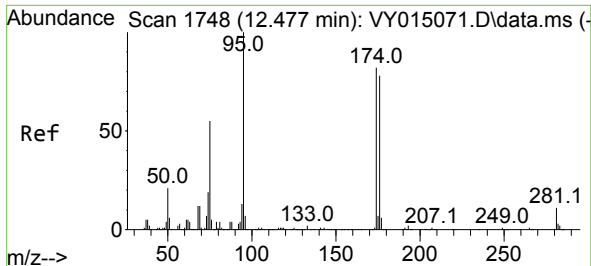
Tgt Ion:117 Resp: 12630
Ion Ratio Lower Upper
117 100
119 4.5 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.492 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015297.D
Acq: 23 Aug 2023 21:41

Tgt Ion: 98 Resp: 248056
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1

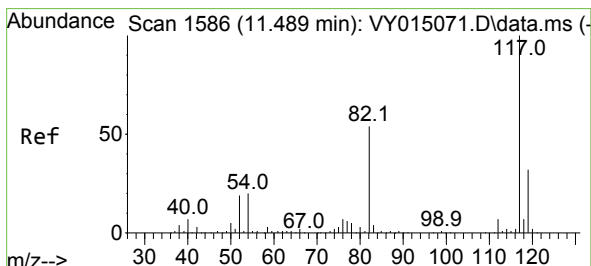
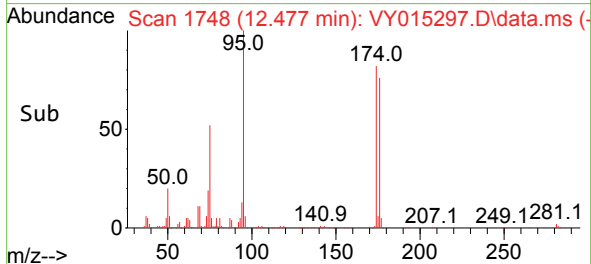
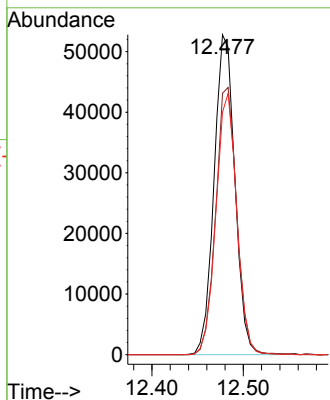
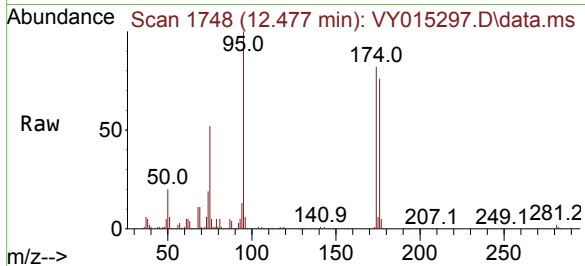




#62
4-Bromofluorobenzene
Concen: 44.713 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015297.D
Acq: 23 Aug 2023 21:41

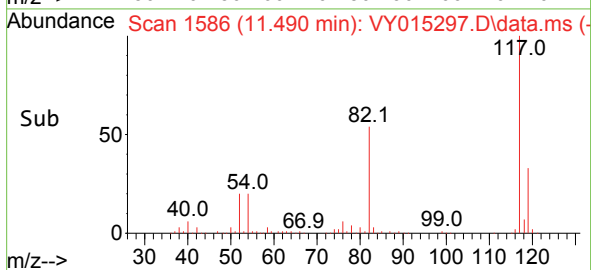
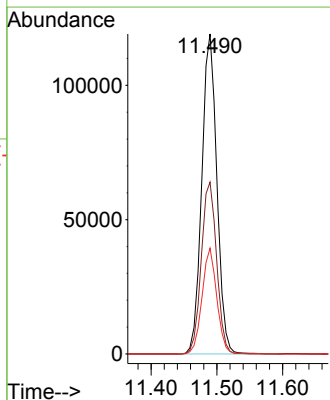
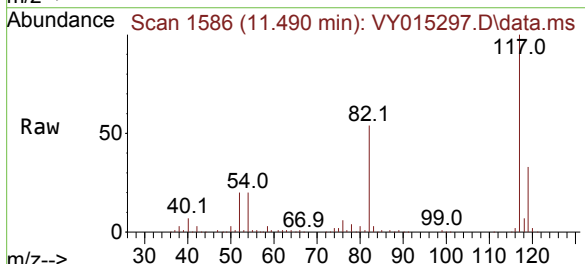
Instrument :
MSVOA_Y
ClientSampleId :

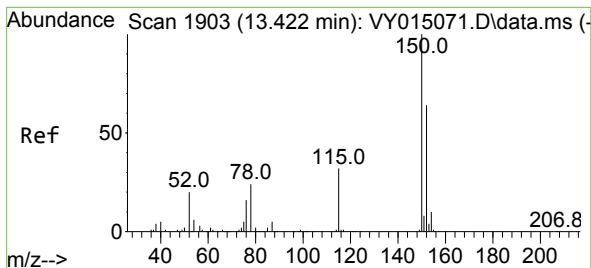
Tgt Ion: 95 Resp: 83541
Ion Ratio Lower Upper
95 100
174 84.3 0.0 178.2
176 81.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015297.D
Acq: 23 Aug 2023 21:41

Tgt Ion: 117 Resp: 190131
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.0
119 33.0 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

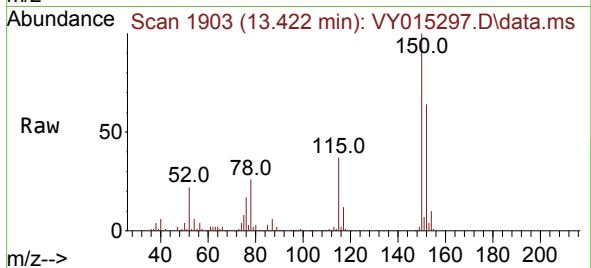
Lab File: VY015297.D

Acq: 23 Aug 2023 21:41

Instrument :

MSVOA_Y

ClientSampleId :



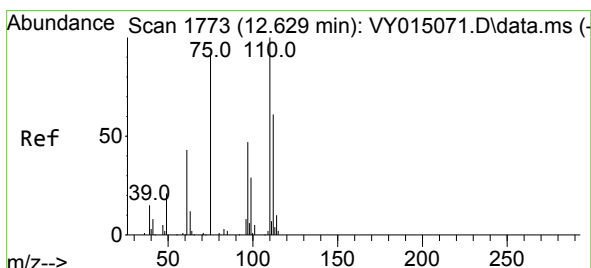
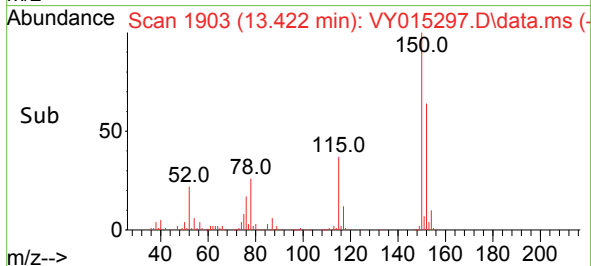
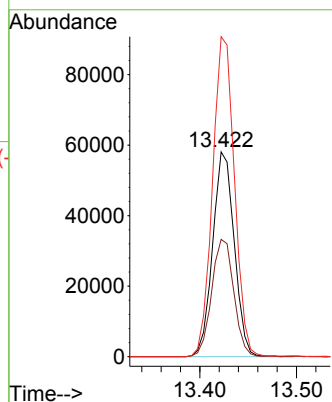
Tgt Ion:152 Resp: 89996

Ion Ratio Lower Upper

152 100

115 58.9 28.8 86.5

150 158.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.802 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015297.D

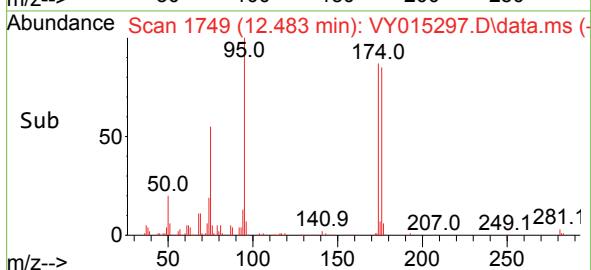
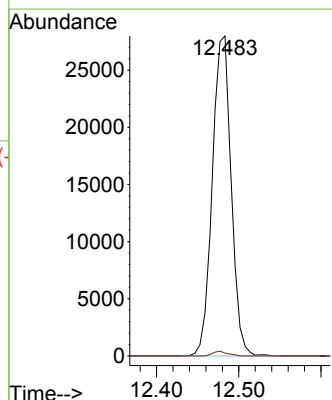
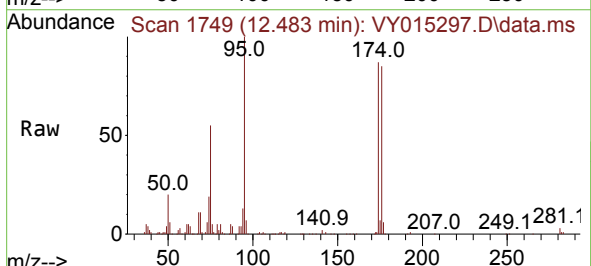
Acq: 23 Aug 2023 21:41

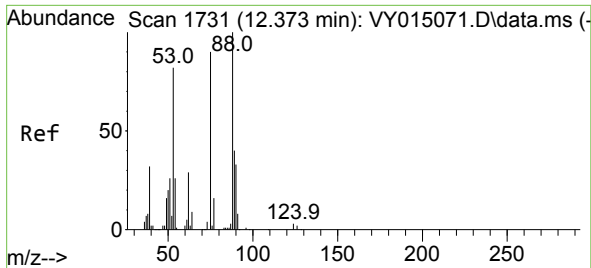
Tgt Ion: 75 Resp: 44612

Ion Ratio Lower Upper

75 100

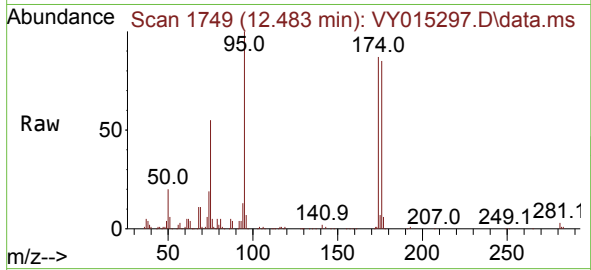
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.620 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY015297.D
 Acq: 23 Aug 2023 21:41

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 44612
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

