

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082323\
 Data File : VY015295.D
 Acq On : 23 Aug 2023 20:54
 Operator : SY/MD
 Sample : 04116-05
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 24 02:37:34 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	122779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	205989	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	185805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	88952	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	82152	55.740	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.480%
35) Dibromofluoromethane	7.716	113	65973	49.784	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.560%
50) Toluene-d8	10.179	98	240839	48.821	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.640%
62) 4-Bromofluorobenzene	12.483	95	81090	45.005	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.000%

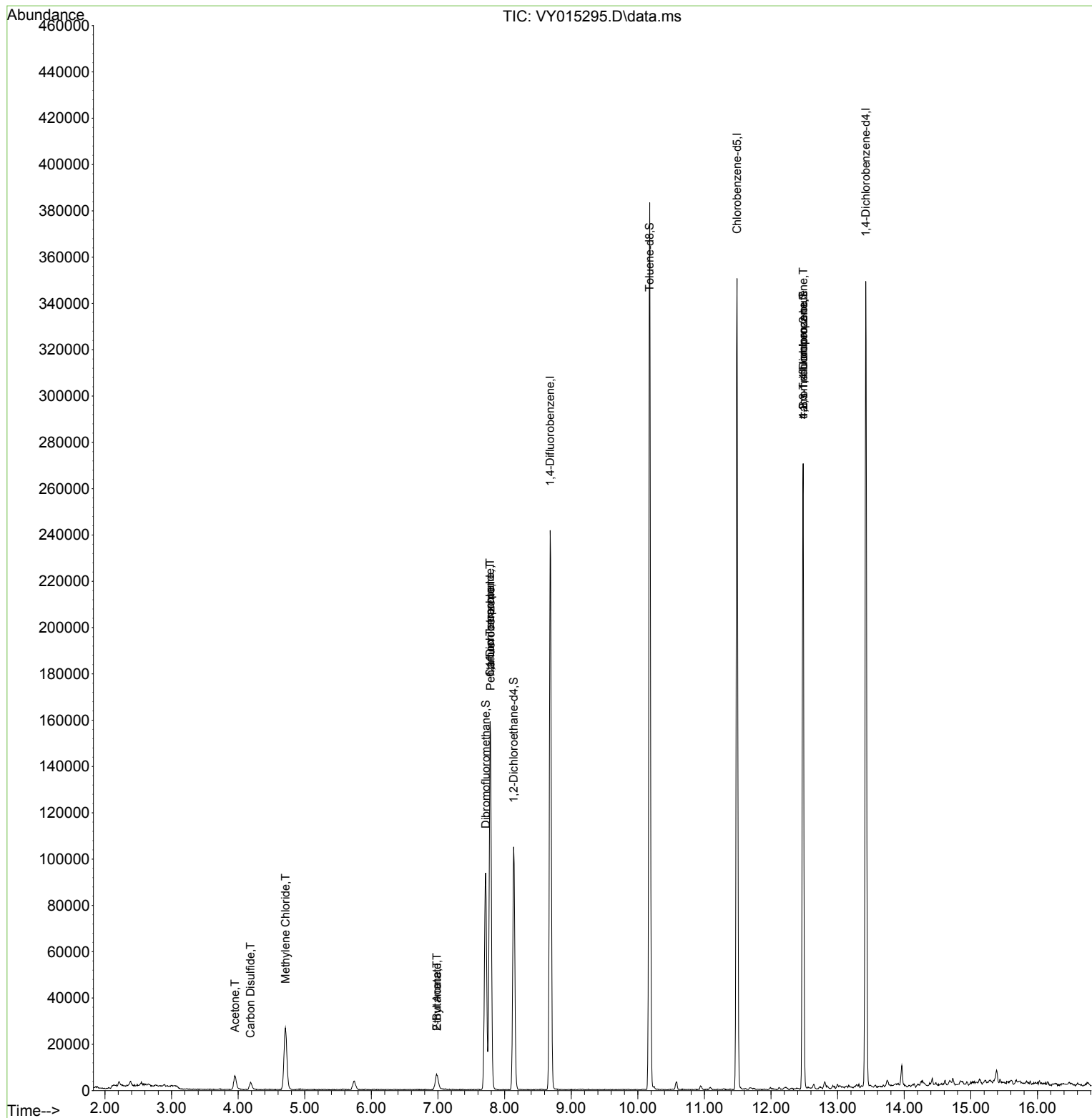
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.113	50	178	Below Cal	#	43
5) Bromomethane	2.656	94	146	Below Cal		84
11) Tert butyl alcohol	4.960	59	29	Below Cal	#	89
13) Acrolein	3.735	56	148	Below Cal		91
16) Acetone	3.954	43	11348	23.569	ug/l	96
17) Carbon Disulfide	4.186	76	6412	4.265	ug/l	# 95
20) Methylene Chloride	4.710	84	20633	14.834	ug/l	91
25) 2-Butanone	6.984	43	3679	5.397	ug/l	# 87
31) Cyclohexane	7.783	56	2743	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	9471	6.460	ug/l	# 50
37) Ethyl Acetate	6.984	43	3679	2.692	ug/l	# 76
38) Carbon Tetrachloride	7.783	117	12289	7.083	ug/l	# 16
76) 1,2,3-Trichloropropane	12.483	75	43971	40.688	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	43971	89.369	ug/l	# 10

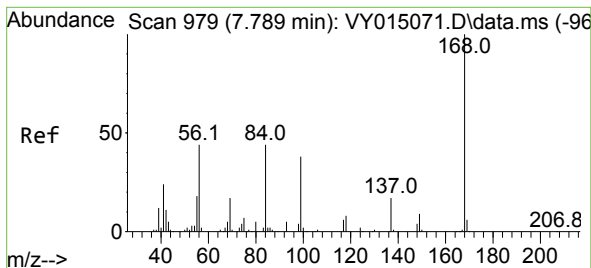
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY015295.D

Acq: 23 Aug 2023 20:54

Instrument :

MSVOA_Y

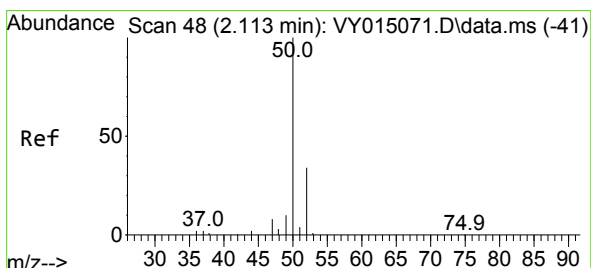
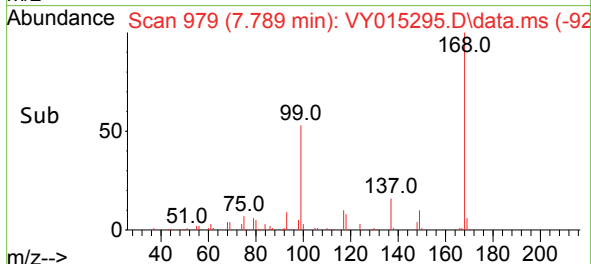
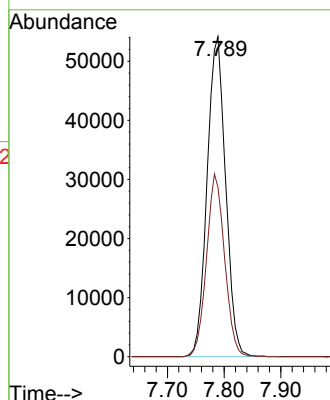
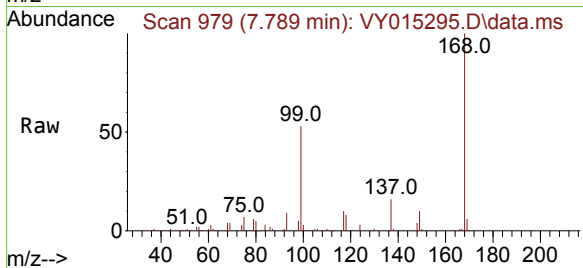
ClientSampleId :

Tgt Ion:168 Resp: 122779

Ion Ratio Lower Upper

168 100

99 52.9 43.4 65.0



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 48

Delta R.T. 0.006 min

Lab File: VY015295.D

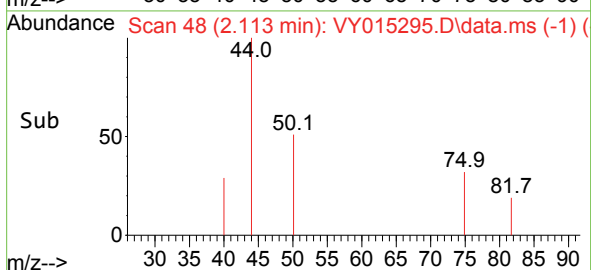
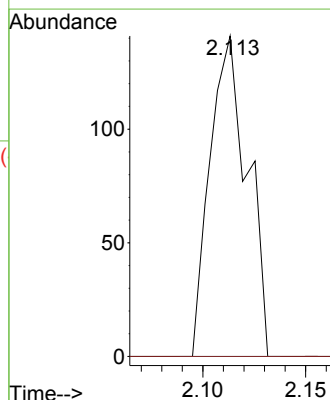
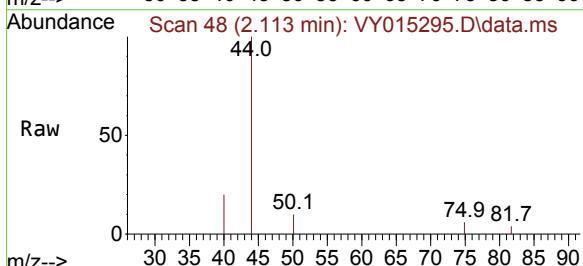
Acq: 23 Aug 2023 20:54

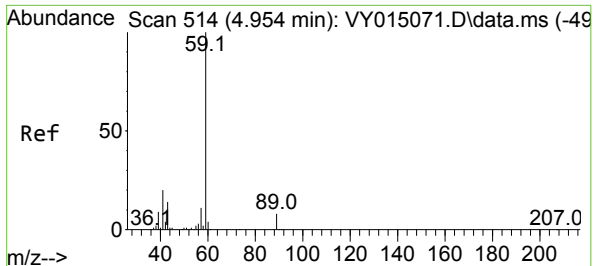
Tgt Ion: 50 Resp: 178

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.960 min Scan# 514

Delta R.T. 0.012 min

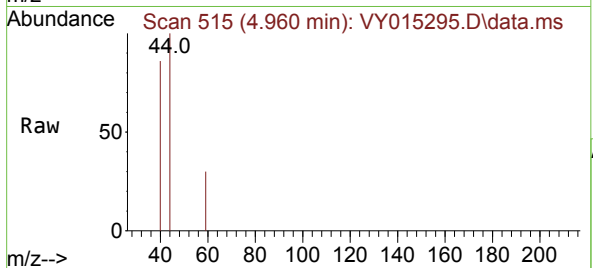
Lab File: VY015295.D

Acq: 23 Aug 2023 20:54

Instrument :

MSVOA_Y

ClientSampleId :

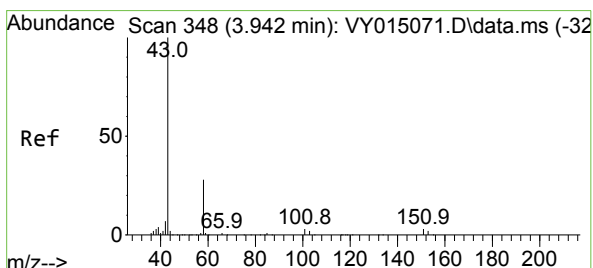
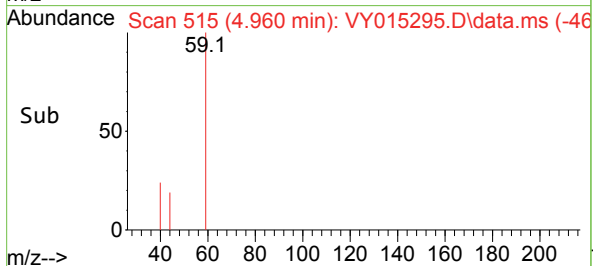
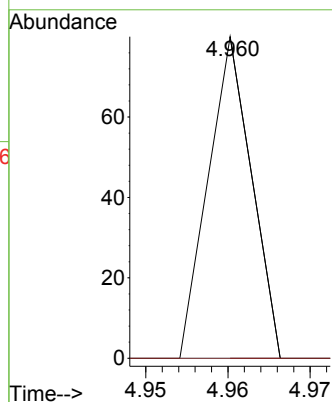


Tgt Ion: 59 Resp: 29

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 23.569 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY015295.D

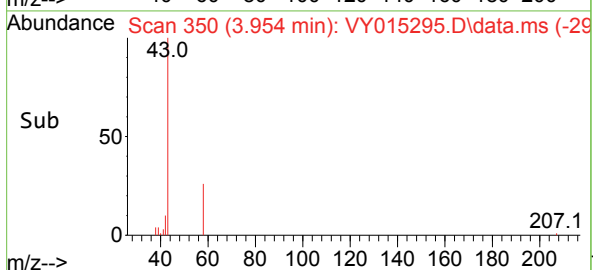
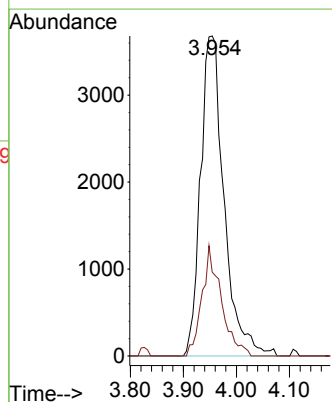
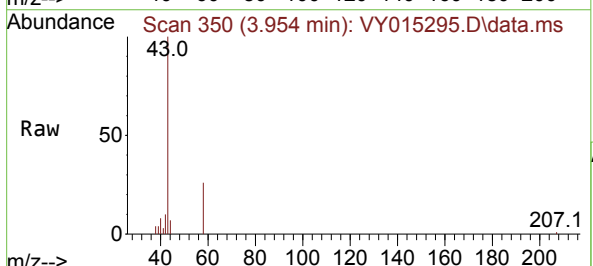
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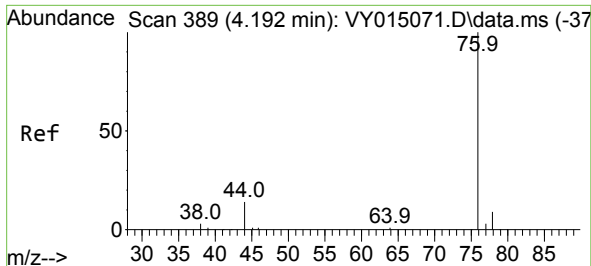
Tgt Ion: 43 Resp: 11348

Ion Ratio Lower Upper

43 100

58 26.2 22.7 34.1

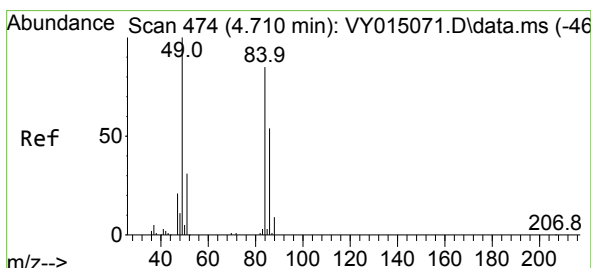
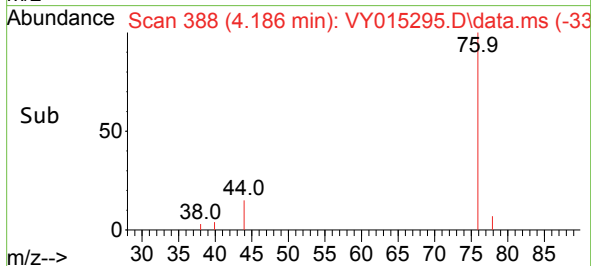
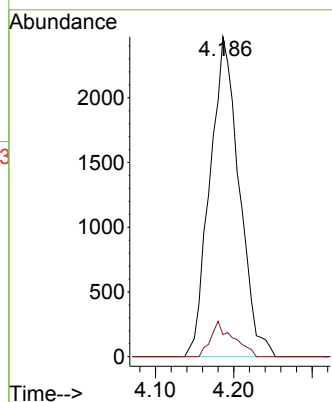
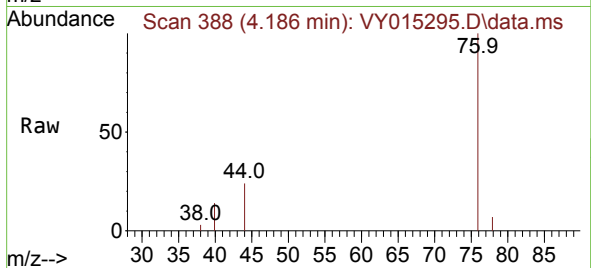




#17
Carbon Disulfide
Concen: 4.265 ug/l
RT: 4.186 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY015295.D
Acq: 23 Aug 2023 20:54

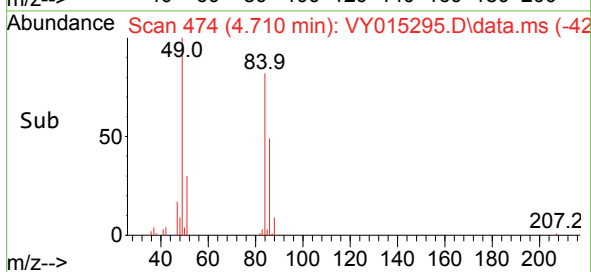
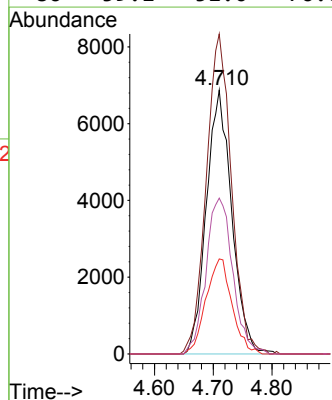
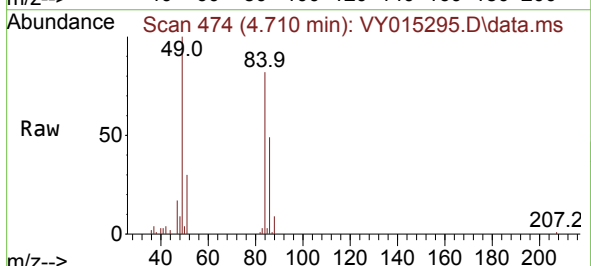
Instrument :
MSVOA_Y
ClientSampleId :

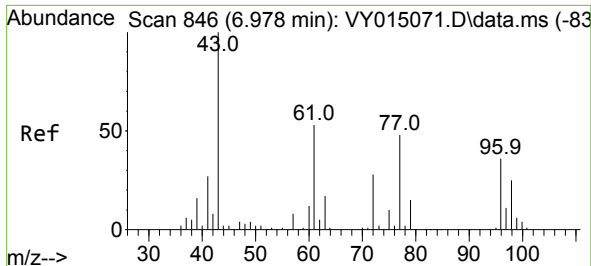
Tgt Ion: 76 Resp: 6412
Ion Ratio Lower Upper
76 100
78 6.9 7.0 10.4#



#20
Methylene Chloride
Concen: 14.834 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY015295.D
Acq: 23 Aug 2023 20:54

Tgt Ion: 84 Resp: 20633
Ion Ratio Lower Upper
84 100
49 121.3 106.9 160.3
51 36.0 33.2 49.8
86 59.1 51.0 76.6





#25

2-Butanone

Concen: 5.397 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY015295.D

Acq: 23 Aug 2023 20:54

Instrument :

MSVOA_Y

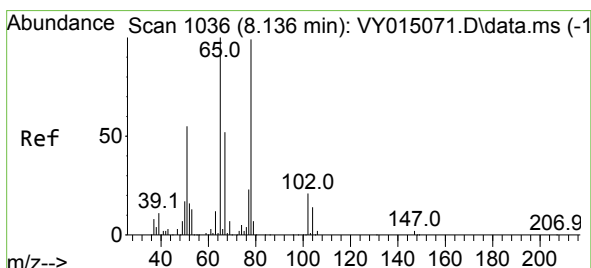
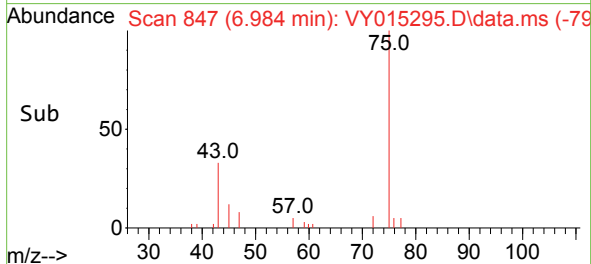
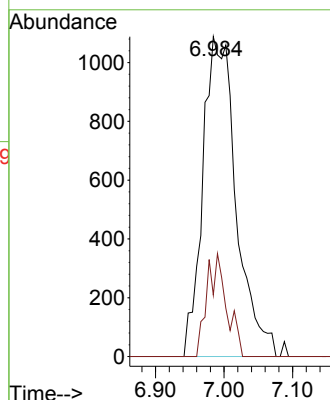
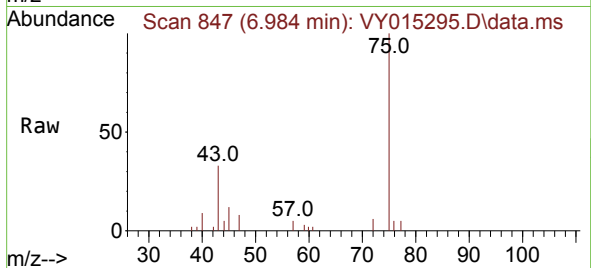
ClientSampleId :

Tgt Ion: 43 Resp: 3679

Ion Ratio Lower Upper

43 100

72 19.2 20.5 30.7#



#33

1,2-Dichloroethane-d4

Concen: 55.740 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015295.D

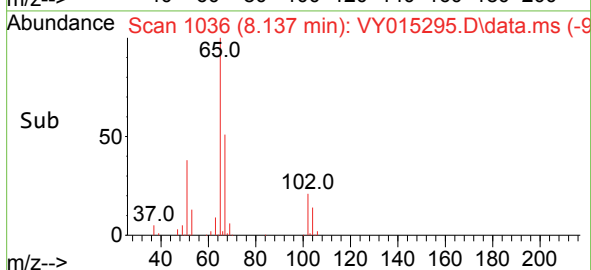
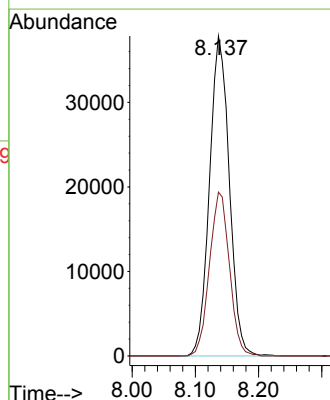
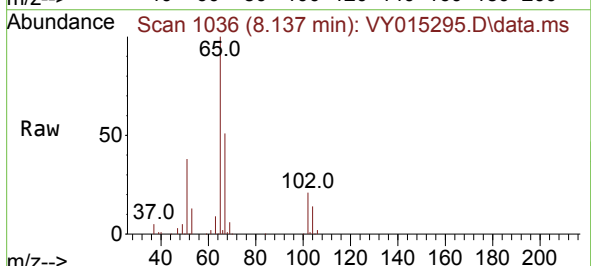
Acq: 23 Aug 2023 20:54

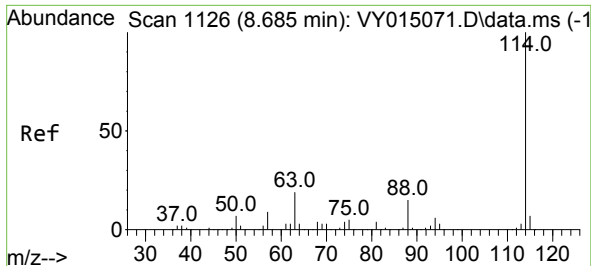
Tgt Ion: 65 Resp: 82152

Ion Ratio Lower Upper

65 100

67 51.6 0.0 101.8

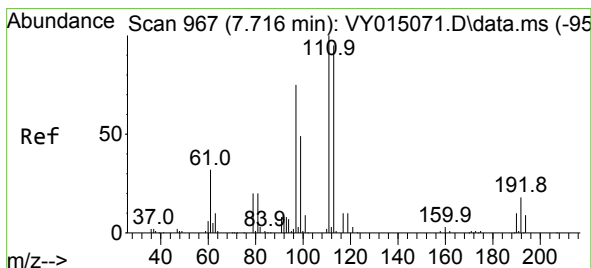
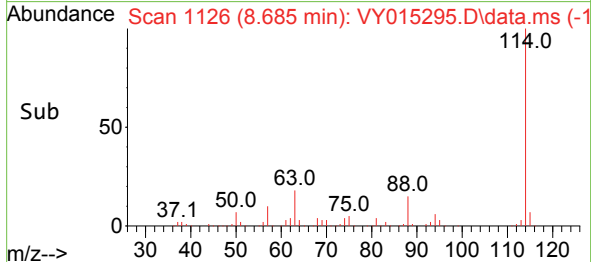
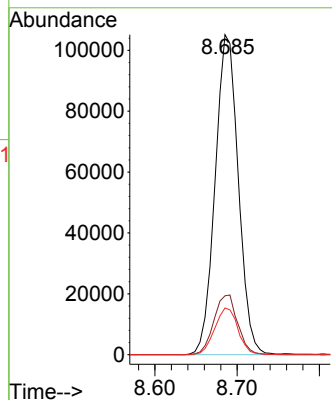
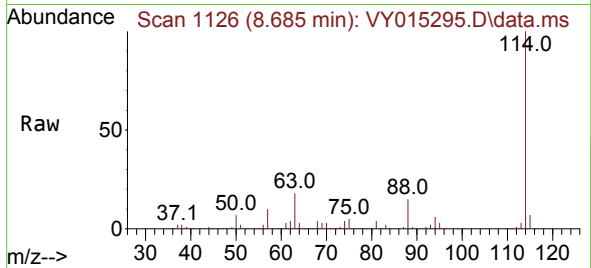




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015295.D
Acq: 23 Aug 2023 20:54

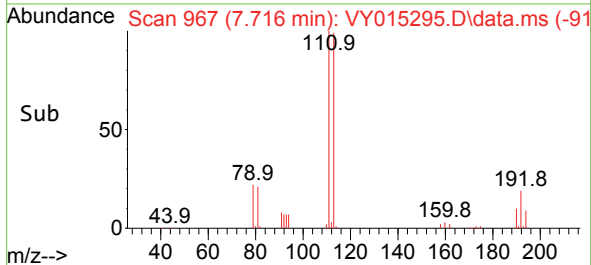
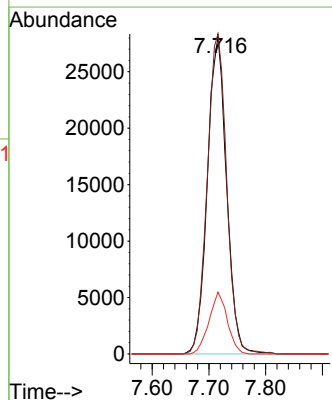
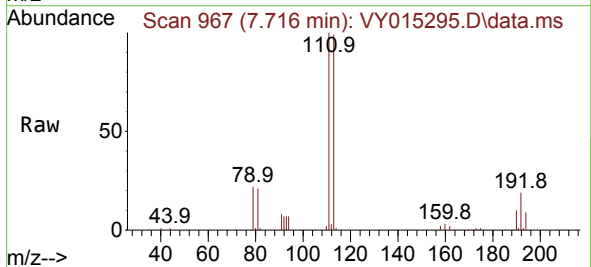
Instrument :
MSVOA_Y
ClientSampleId :

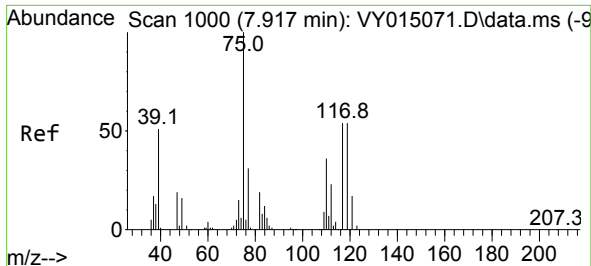
Tgt Ion:114 Resp: 205989
Ion Ratio Lower Upper
114 100
63 18.4 0.0 42.4
88 14.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.784 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY015295.D
Acq: 23 Aug 2023 20:54

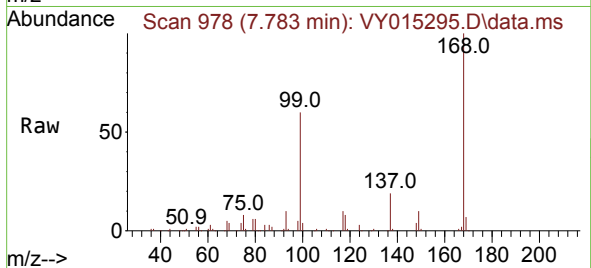
Tgt Ion:113 Resp: 65973
Ion Ratio Lower Upper
113 100
111 102.2 81.3 121.9
192 18.6 16.9 25.3



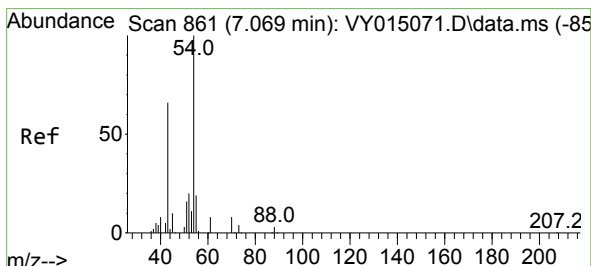
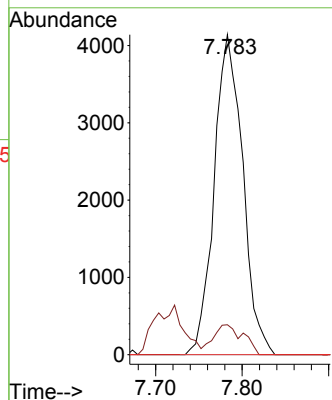
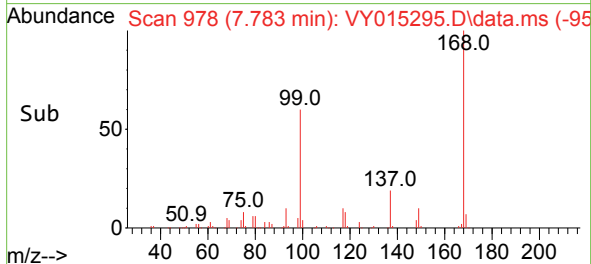


#36
1,1-Dichloropropene
Concen: 6.460 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015295.D
Acq: 23 Aug 2023 20:54

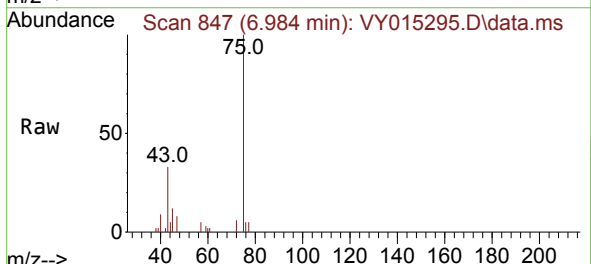
Instrument :
MSVOA_Y
ClientSampleId :



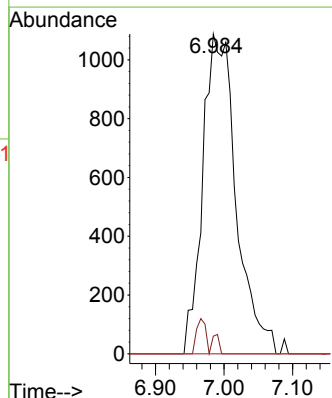
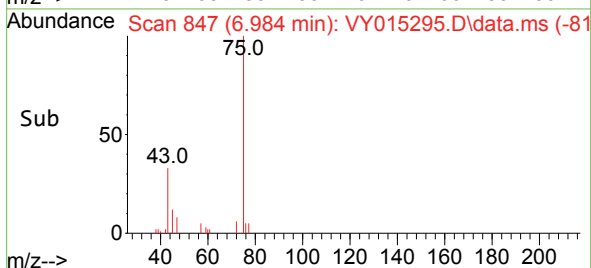
Tgt Ion: 75 Resp: 9471
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 24.4 36.6#

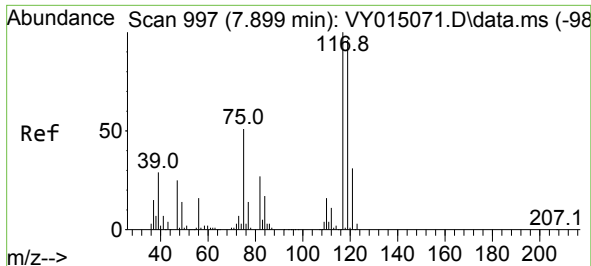


#37
Ethyl Acetate
Concen: 2.692 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.085 min
Lab File: VY015295.D
Acq: 23 Aug 2023 20:54



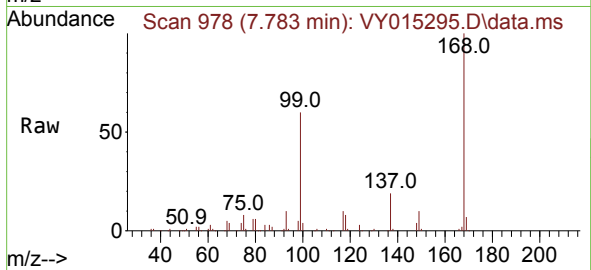
Tgt Ion: 43 Resp: 3679
Ion Ratio Lower Upper
43 100
61 3.0 10.1 15.1#
70 0.0 7.1 10.7#



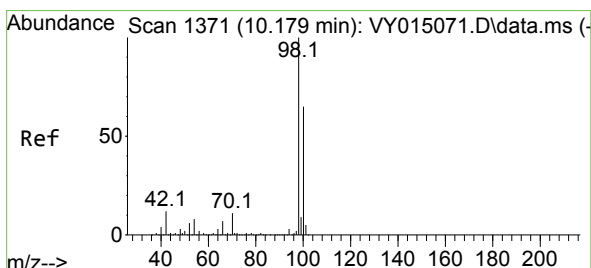
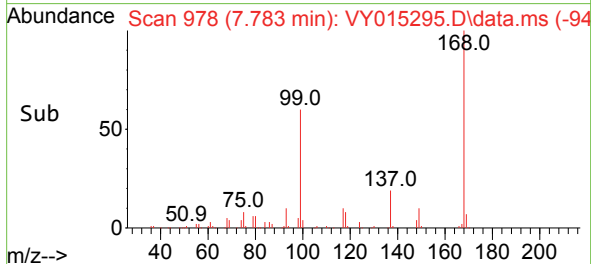
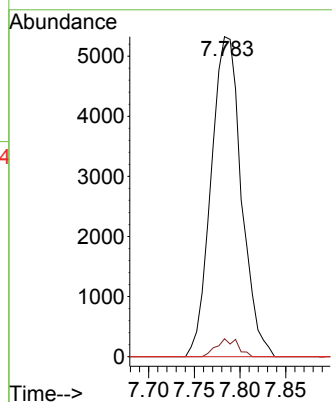


#38
Carbon Tetrachloride
Concen: 7.083 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015295.D
Acq: 23 Aug 2023 20:54

Instrument :
MSVOA_Y
ClientSampleId :

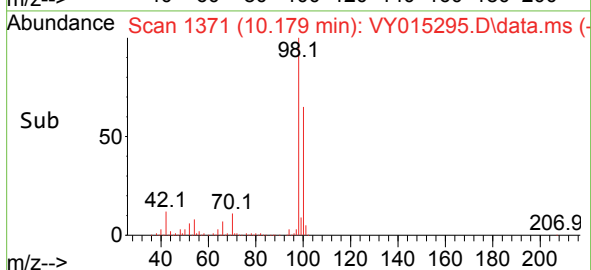
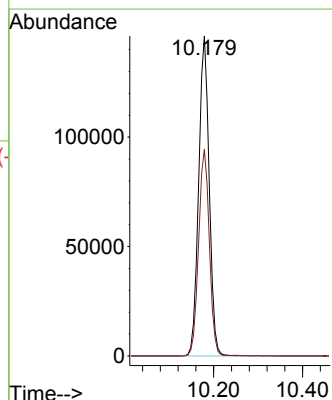
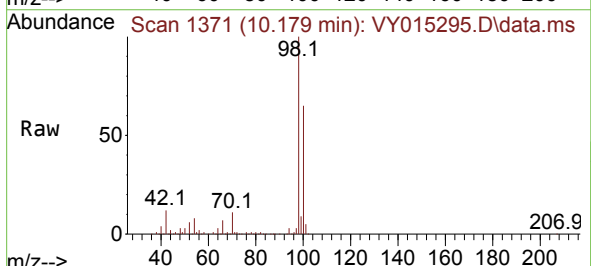


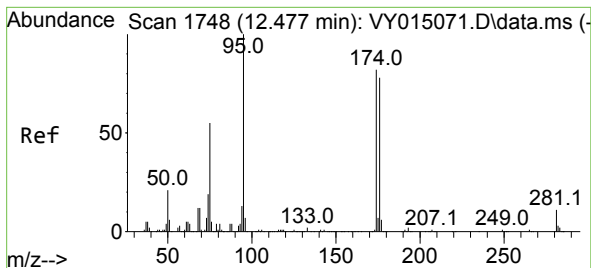
Tgt Ion:117 Resp: 12289
Ion Ratio Lower Upper
117 100
119 5.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.821 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015295.D
Acq: 23 Aug 2023 20:54

Tgt Ion: 98 Resp: 240839
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1

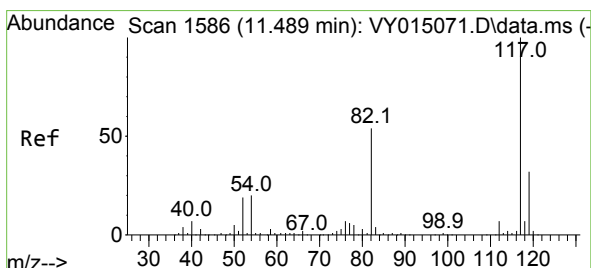
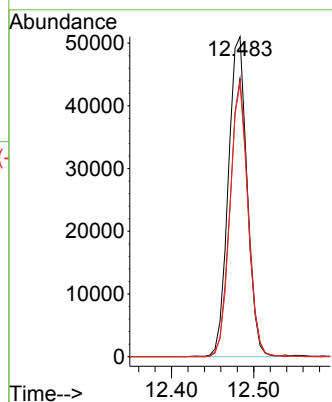
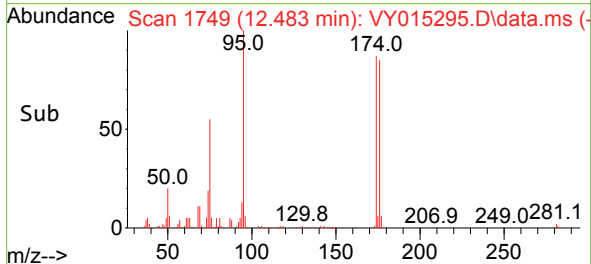
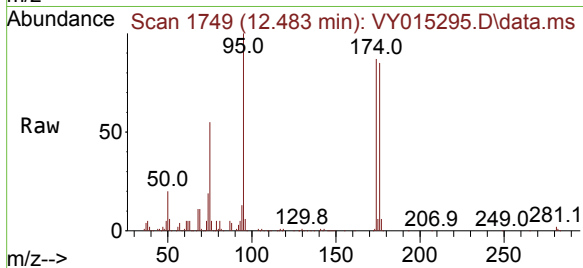




#62
4-Bromofluorobenzene
Concen: 45.005 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015295.D
Acq: 23 Aug 2023 20:54

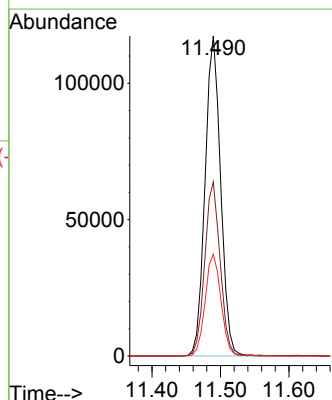
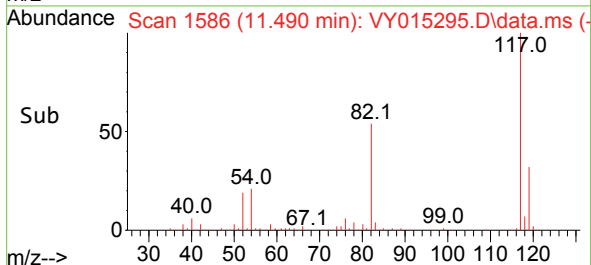
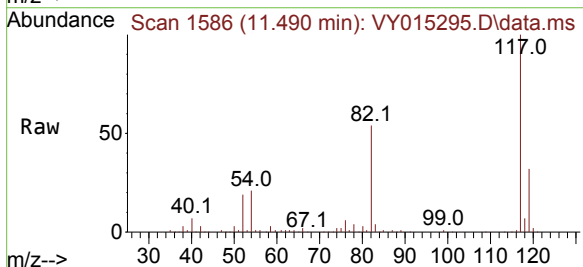
Instrument :
MSVOA_Y
ClientSampleId :

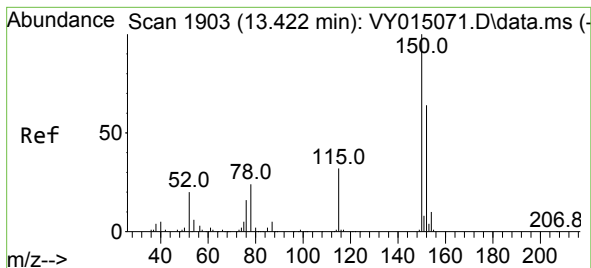
Tgt Ion: 95 Resp: 81090
Ion Ratio Lower Upper
95 100
174 83.9 0.0 178.2
176 81.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015295.D
Acq: 23 Aug 2023 20:54

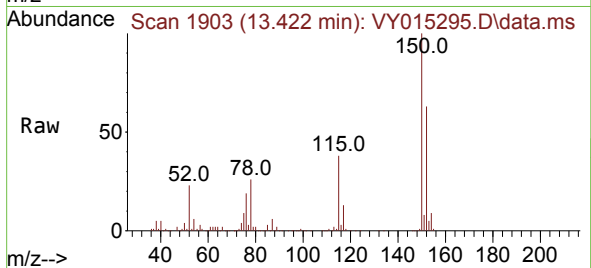
Tgt Ion: 117 Resp: 185805
Ion Ratio Lower Upper
117 100
82 54.4 43.4 65.0
119 31.8 26.3 39.5



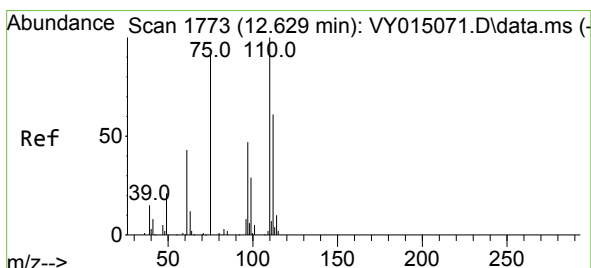
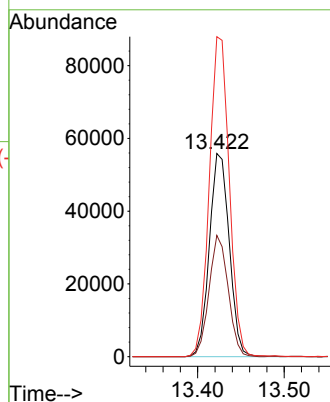
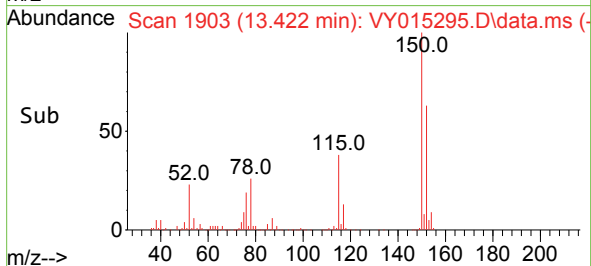


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY015295.D
 Acq: 23 Aug 2023 20:54

Instrument :
 MSVOA_Y
 ClientSampleId :

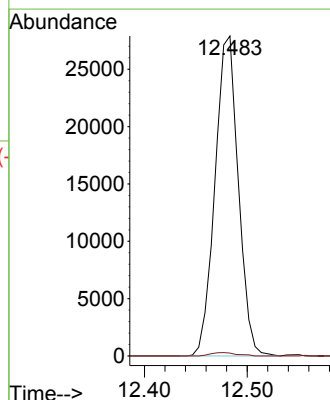
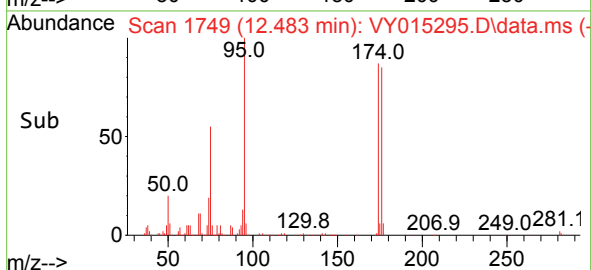
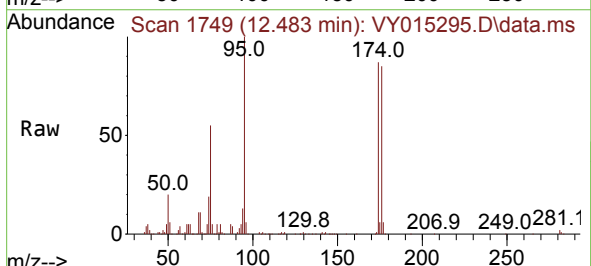


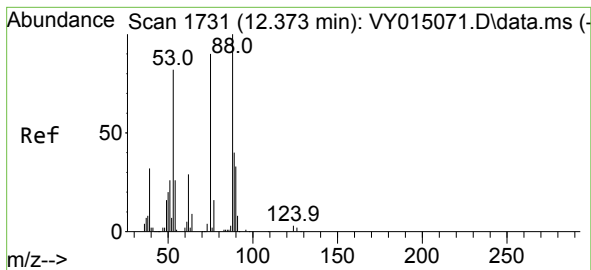
Tgt Ion:152 Resp: 88952
 Ion Ratio Lower Upper
 152 100
 115 57.5 28.8 86.5
 150 158.5 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 40.688 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY015295.D
 Acq: 23 Aug 2023 20:54

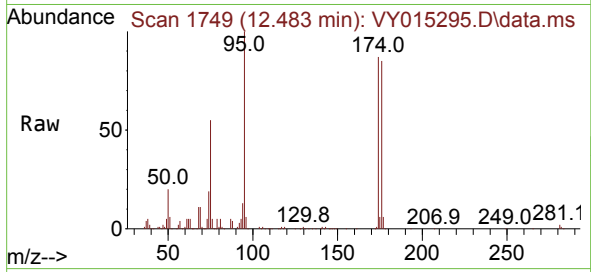
Tgt Ion: 75 Resp: 43971
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.369 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY015295.D
 Acq: 23 Aug 2023 20:54

Instrument :
 MSVOA_Y
 ClientSampleId :



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

