

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082323\
 Data File : VY015289.D
 Acq On : 23 Aug 2023 18:32
 Operator : SY/MD
 Sample : 04082-05
 Misc : 3.81g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 24 02:35:15 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)

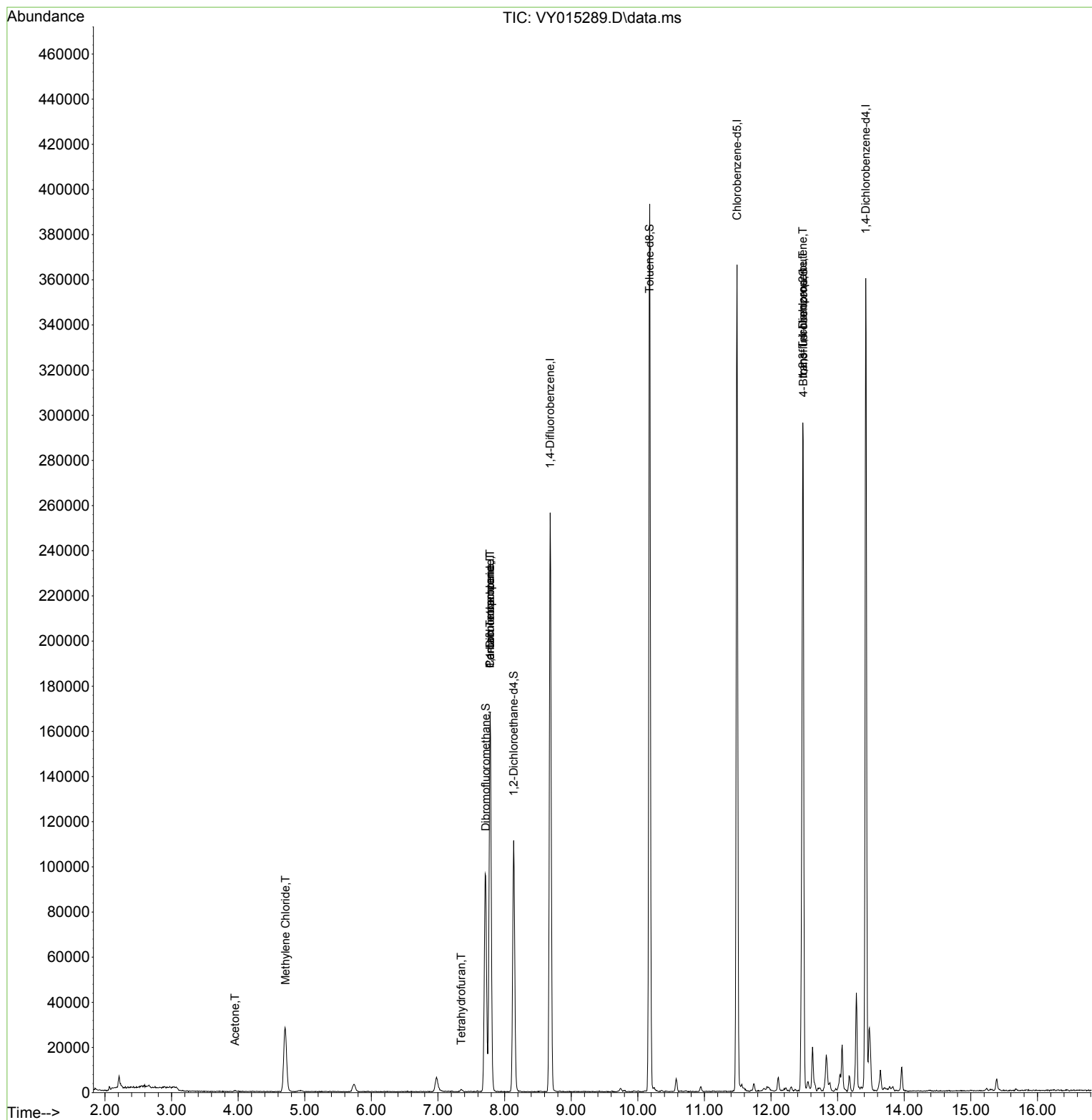
Internal Standards						
1) Pentafluorobenzene	7.783	168	128828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	216469	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	195005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	92620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	86019	55.623	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.240%
35) Dibromofluoromethane	7.716	113	68629	49.281	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.560%
50) Toluene-d8	10.179	98	254523	49.097	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.200%
62) 4-Bromofluorobenzene	12.483	95	84403	44.575	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	25	Below Cal	#	43
3) Chloromethane	2.101	50	107	Below Cal	#	43
5) Bromomethane	2.656	94	294	Below Cal	#	55
11) Tert butyl alcohol	4.948	59	601	Below Cal	#	89
16) Acetone	3.954	43	668	1.322	ug/l #	45
20) Methylene Chloride	4.710	84	21491	14.691	ug/l	88
29) Tetrahydrofuran	7.350	42	674	1.576	ug/l #	43
31) Cyclohexane	7.777	56	2648	Below Cal	#	4
36) 1,1-Dichloropropene	7.783	75	10393	6.746	ug/l #	50
38) Carbon Tetrachloride	7.783	117	13153	7.214	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	44996	39.987	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	44996	87.831	ug/l #	10

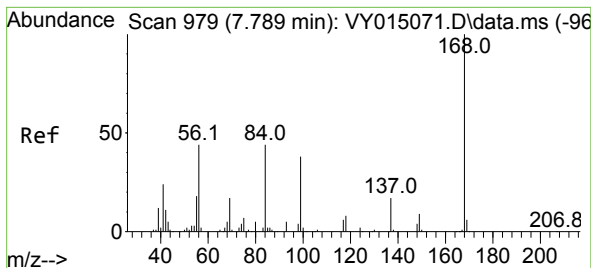
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY015289.D

Acq: 23 Aug 2023 18:32

Instrument :

MSVOA_Y

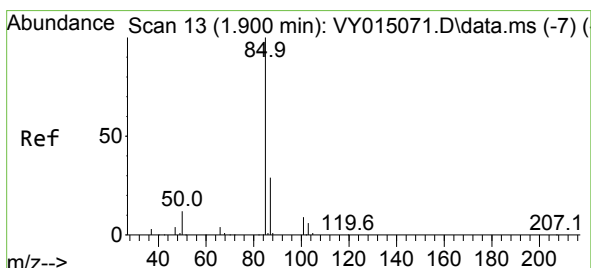
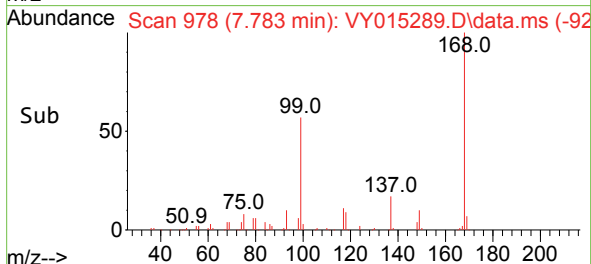
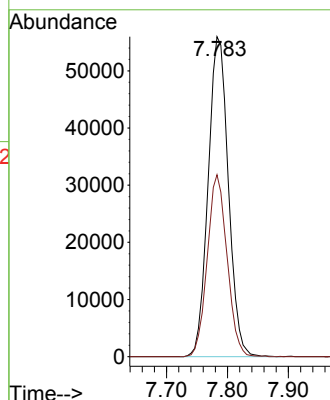
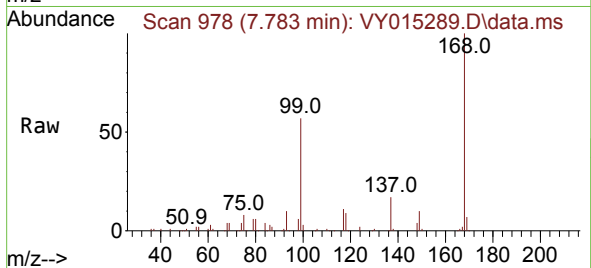
ClientSampleId :

Tgt Ion:168 Resp: 128828

Ion Ratio Lower Upper

168 100

99 56.9 43.4 65.0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.906 min Scan# 14

Delta R.T. 0.006 min

Lab File: VY015289.D

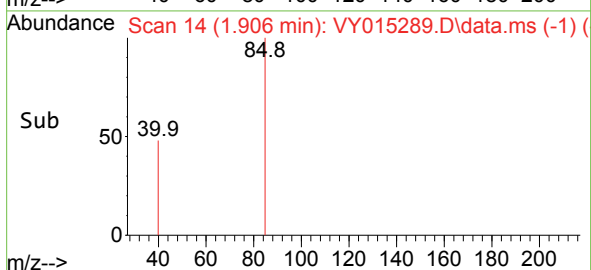
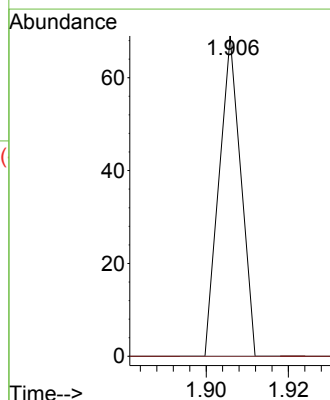
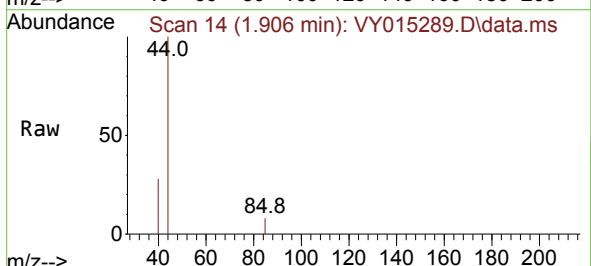
Acq: 23 Aug 2023 18:32

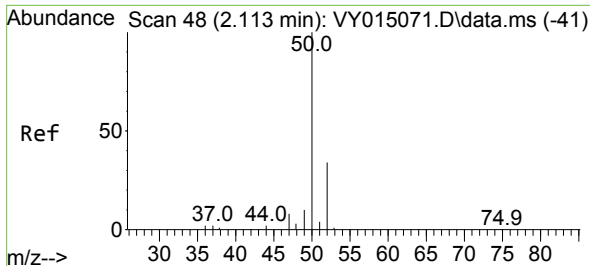
Tgt Ion: 85 Resp: 25

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#

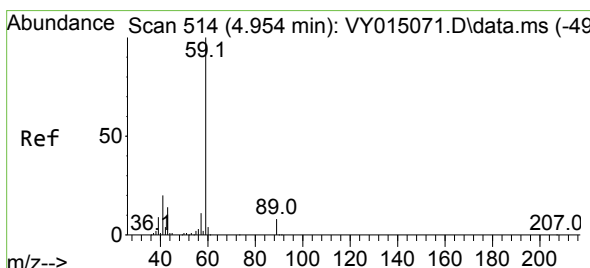
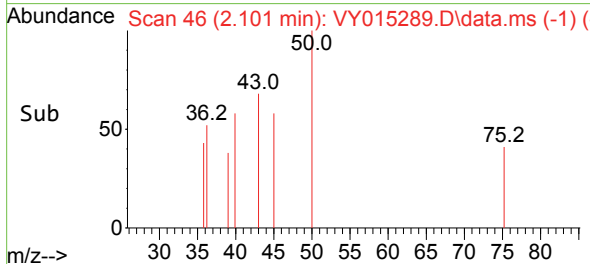
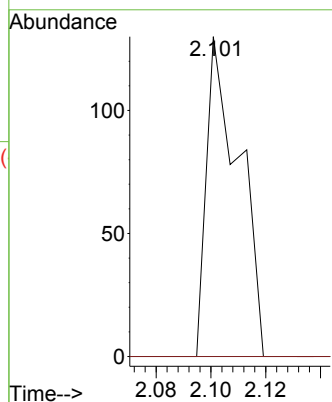
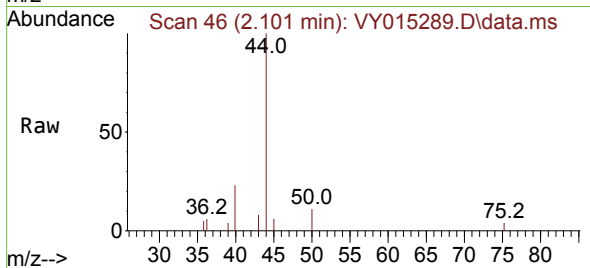




#3
Chloromethane
Concen: Below Cal
RT: 2.101 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015289.D
Acq: 23 Aug 2023 18:32

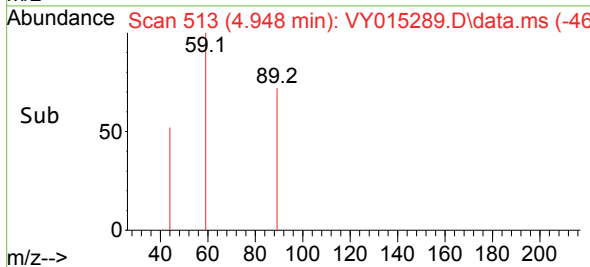
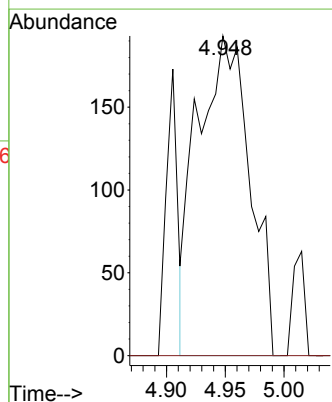
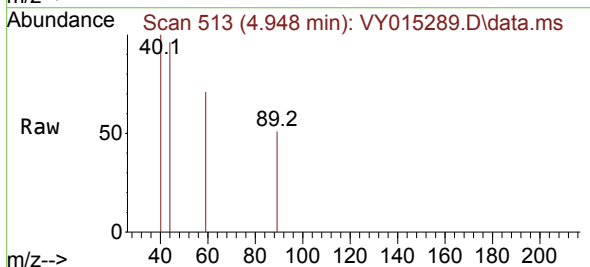
Instrument :
MSVOA_Y
ClientSampleId :

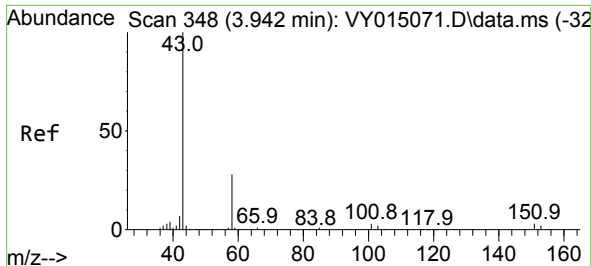
Tgt Ion: 50 Resp: 107
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY015289.D
Acq: 23 Aug 2023 18:32

Tgt Ion: 59 Resp: 601
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 1.322 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY015289.D

Acq: 23 Aug 2023 18:32

Instrument :

MSVOA_Y

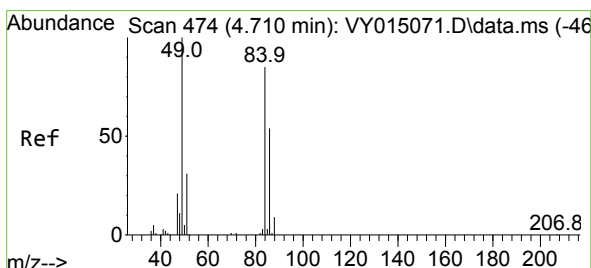
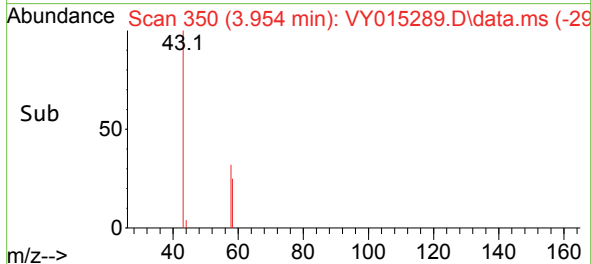
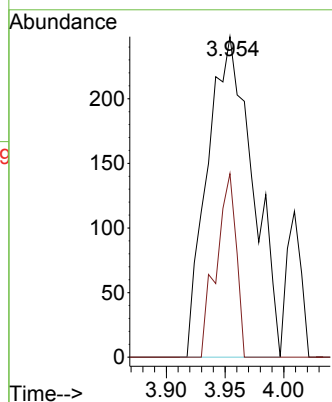
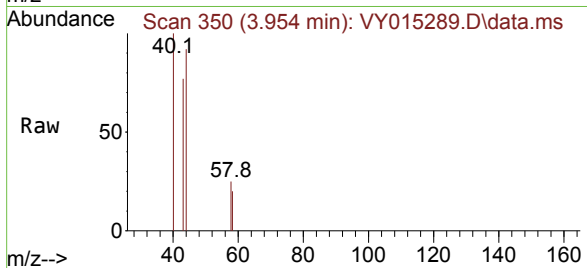
ClientSampleId :

Tgt Ion: 43 Resp: 668

Ion Ratio Lower Upper

43 100

58 57.3 22.7 34.1#



#20

Methylene Chloride

Concen: 14.691 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY015289.D

Acq: 23 Aug 2023 18:32

Tgt Ion: 84 Resp: 21491

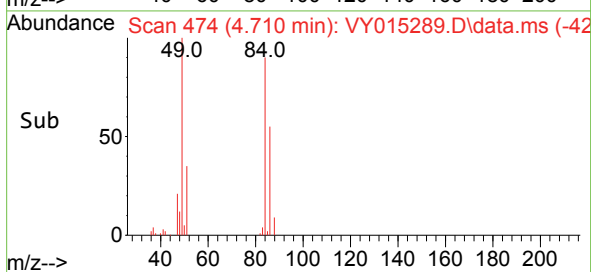
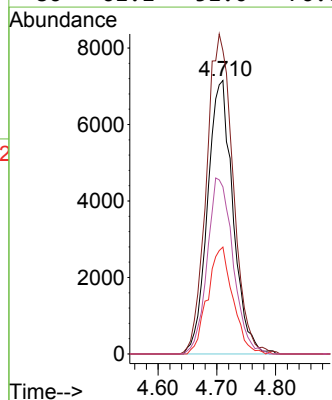
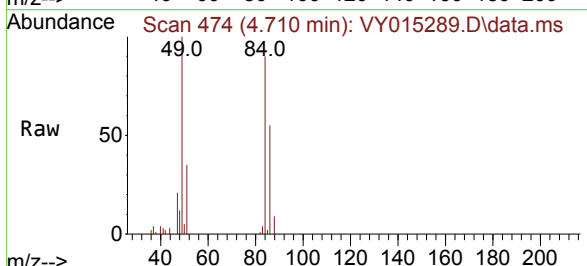
Ion Ratio Lower Upper

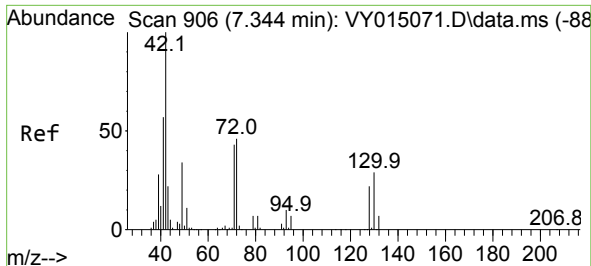
84 100

49 110.8 106.9 160.3

51 39.1 33.2 49.8

86 61.1 51.0 76.6





#29

Tetrahydrofuran

Concen: 1.576 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

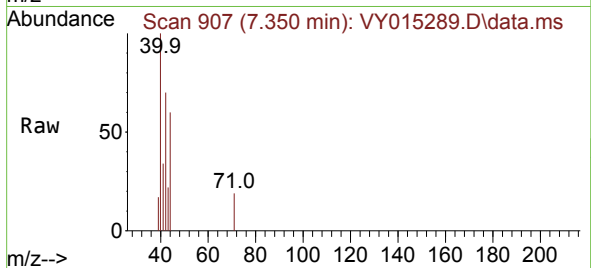
Lab File: VY015289.D

Acq: 23 Aug 2023 18:32

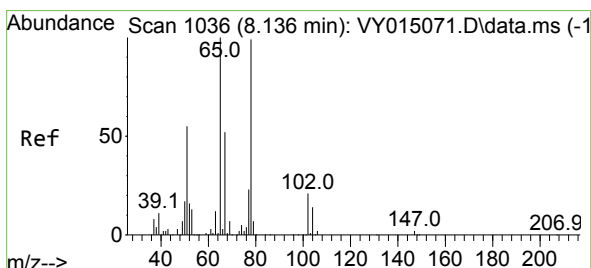
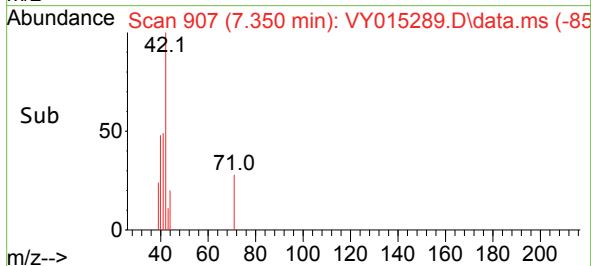
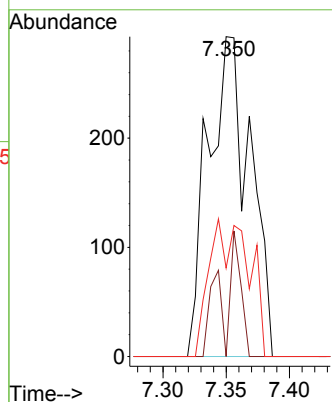
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	674
Ion Ratio	Lower	Upper	
42	100		
72	9.5	32.8	49.2#
71	0.0	31.0	46.4#



#33

1,2-Dichloroethane-d4

Concen: 55.623 ug/l

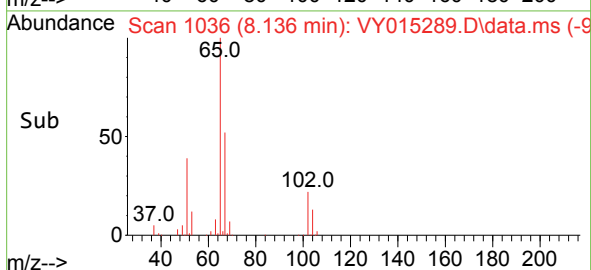
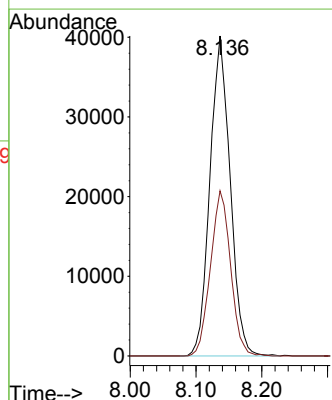
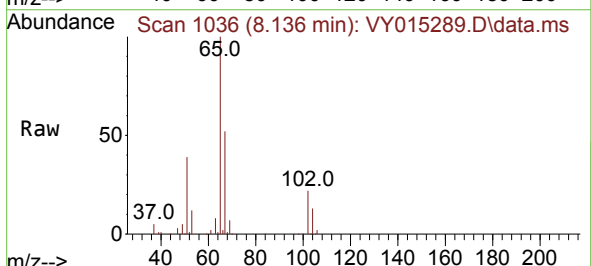
RT: 8.136 min Scan# 1036

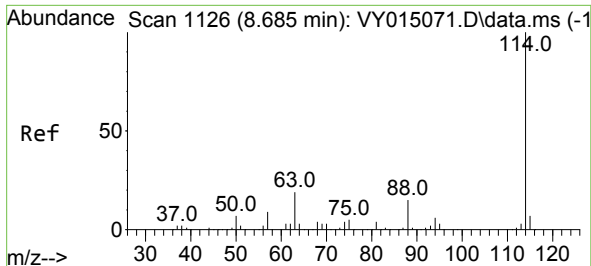
Delta R.T. 0.000 min

Lab File: VY015289.D

Acq: 23 Aug 2023 18:32

Tgt Ion:	65	Resp:	86019
Ion Ratio	Lower	Upper	
65	100		
67	51.4	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: VY015289.D

Acq: 23 Aug 2023 18:32

Instrument :

MSVOA_Y

ClientSampleId :

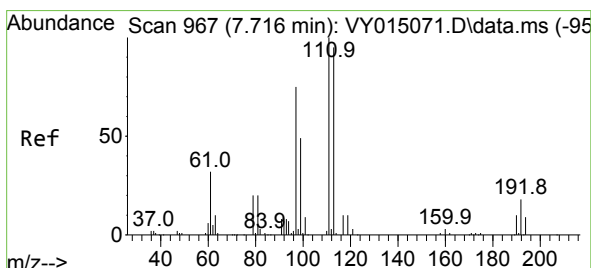
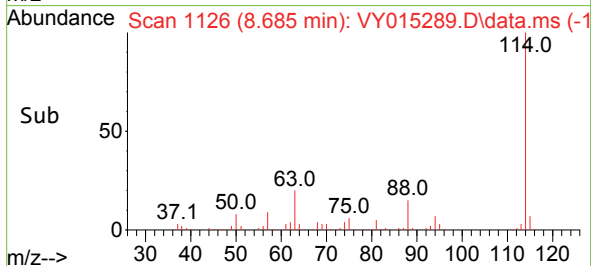
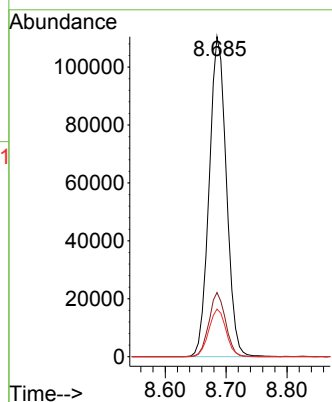
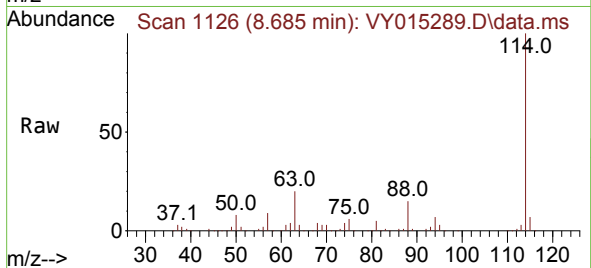
Tgt Ion:114 Resp: 216469

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.281 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015289.D

Acq: 23 Aug 2023 18:32

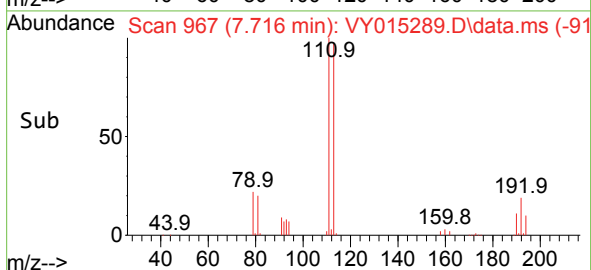
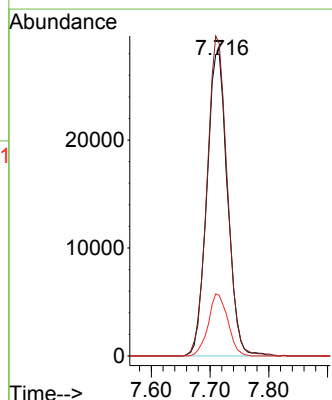
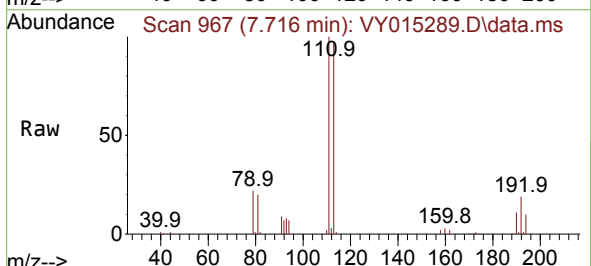
Tgt Ion:113 Resp: 68629

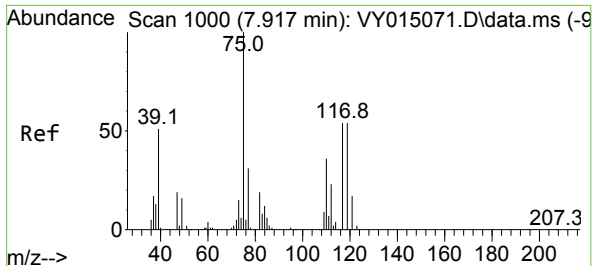
Ion Ratio Lower Upper

113 100

111 103.2 81.3 121.9

192 19.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.746 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

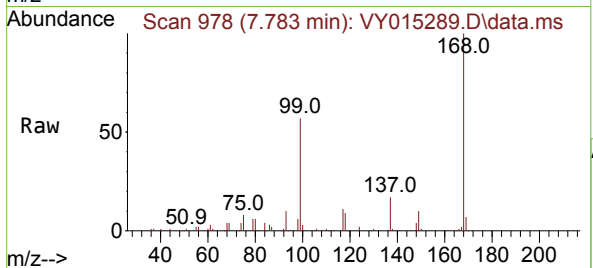
Lab File: VY015289.D

Acq: 23 Aug 2023 18:32

Instrument :

MSVOA_Y

ClientSampleId :



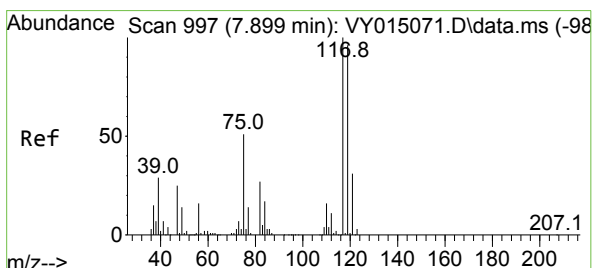
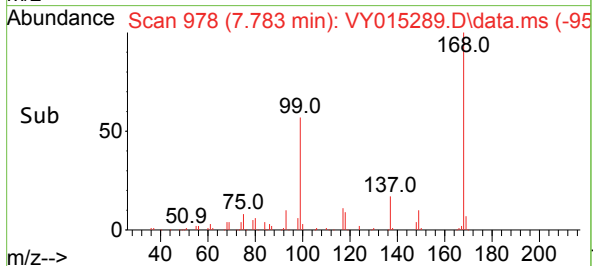
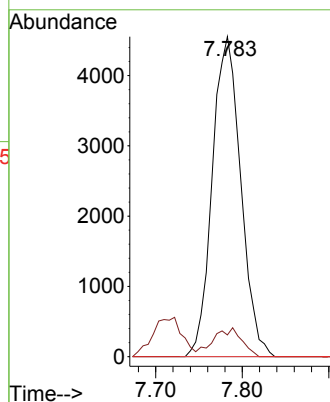
Tgt Ion: 75 Resp: 10393

Ion Ratio Lower Upper

75 100

110 9.0 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.214 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY015289.D

Acq: 23 Aug 2023 18:32

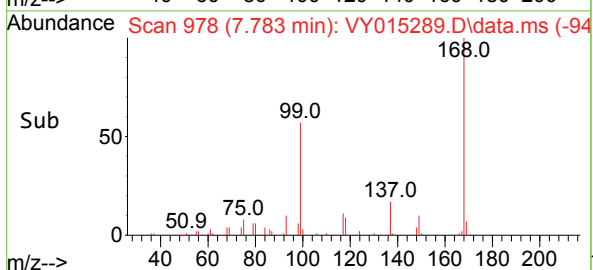
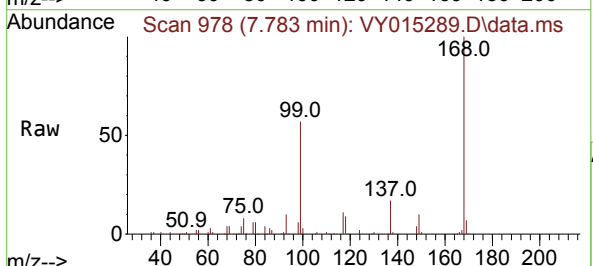
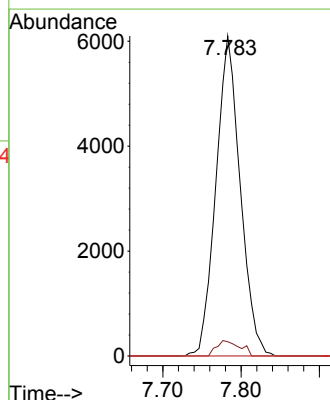
Tgt Ion: 117 Resp: 13153

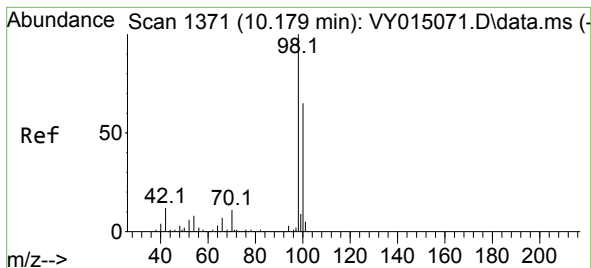
Ion Ratio Lower Upper

117 100

119 4.4 76.4 114.6#

121 0.0 25.8 38.6#

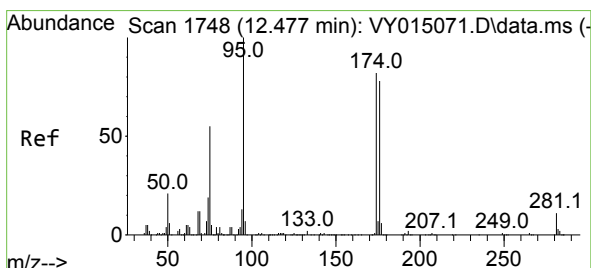
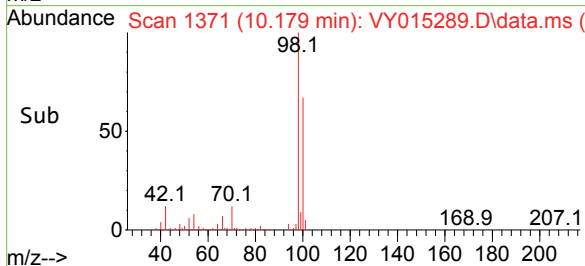
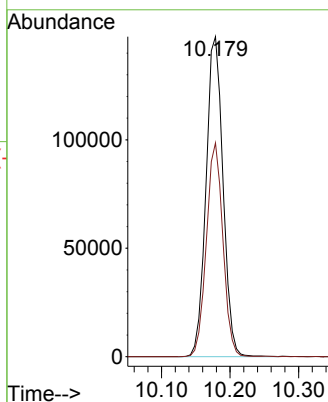
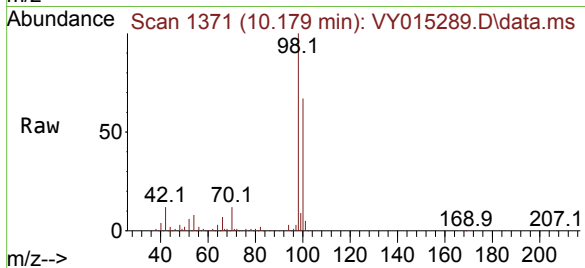




#50
Toluene-d8
Concen: 49.097 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015289.D
Acq: 23 Aug 2023 18:32

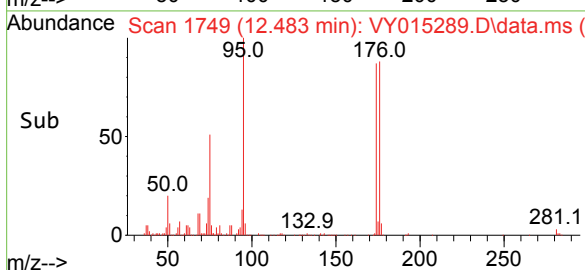
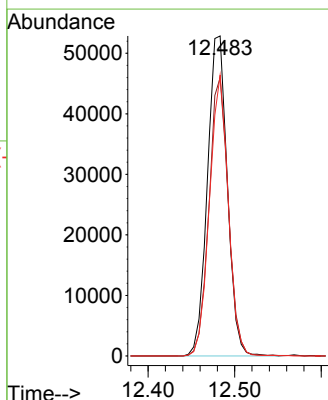
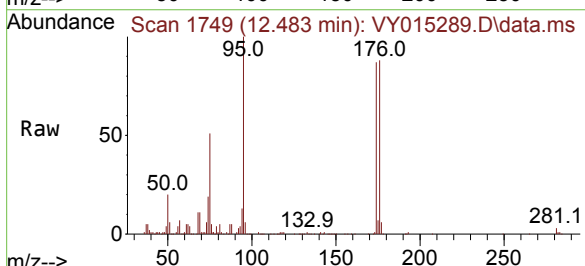
Instrument :
MSVOA_Y
ClientSampleId :

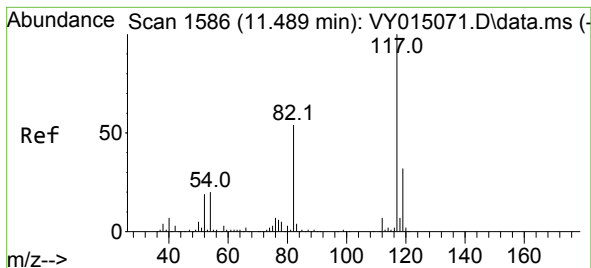
Tgt Ion: 98 Resp: 254523
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 44.575 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015289.D
Acq: 23 Aug 2023 18:32

Tgt Ion: 95 Resp: 84403
Ion Ratio Lower Upper
95 100
174 84.5 0.0 178.2
176 83.0 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: VY015289.D

Acq: 23 Aug 2023 18:32

Instrument :

MSVOA_Y

ClientSampleId :

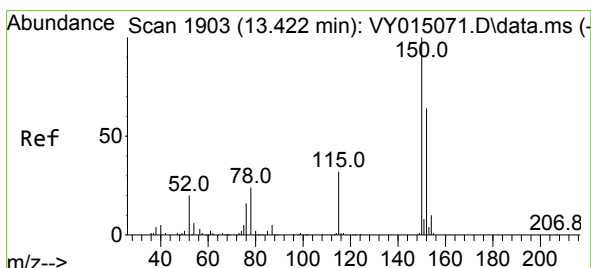
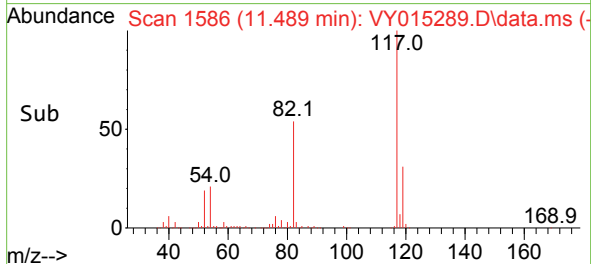
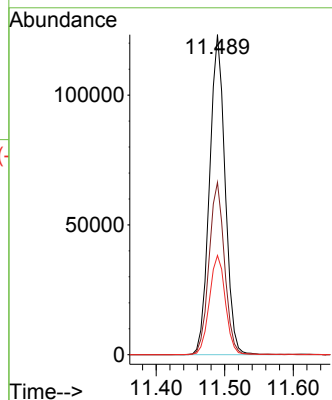
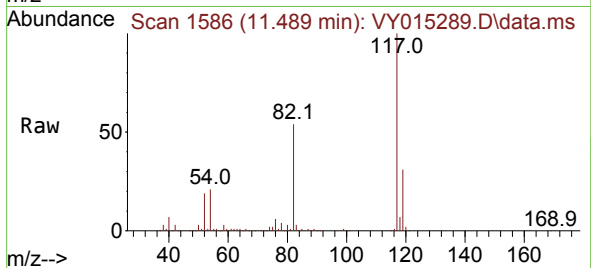
Tgt Ion:117 Resp: 195005

Ion Ratio Lower Upper

117 100

82 53.9 43.4 65.0

119 30.9 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: VY015289.D

Acq: 23 Aug 2023 18:32

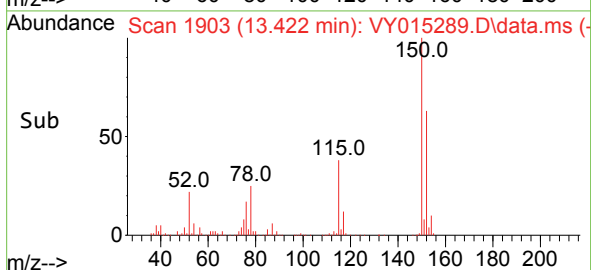
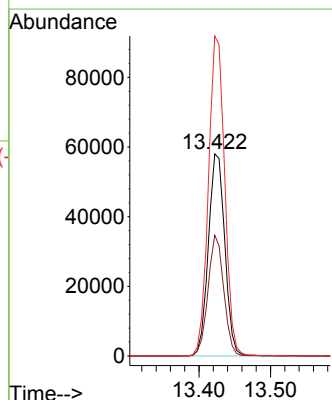
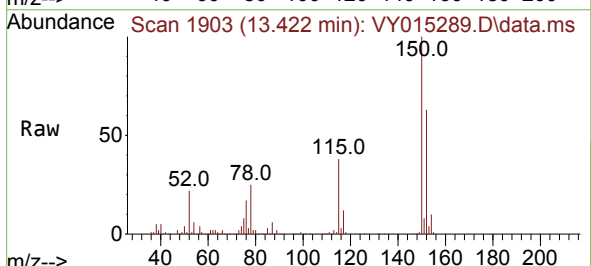
Tgt Ion:152 Resp: 92620

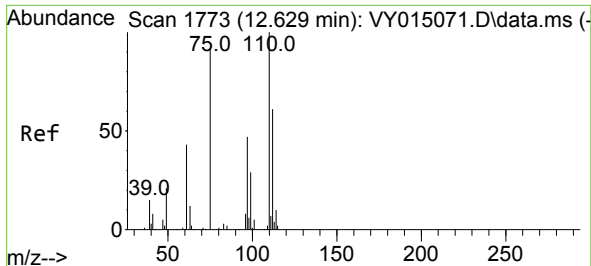
Ion Ratio Lower Upper

152 100

115 57.3 28.8 86.5

150 156.5 0.0 348.8

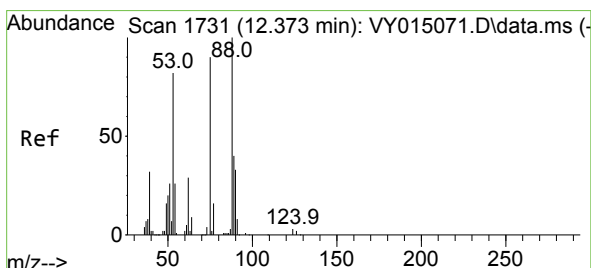
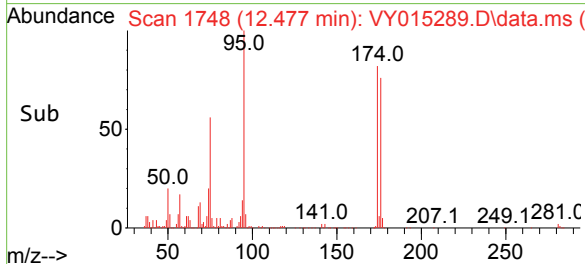
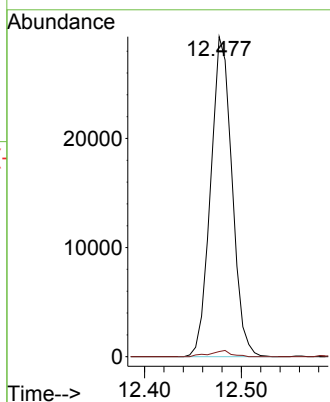
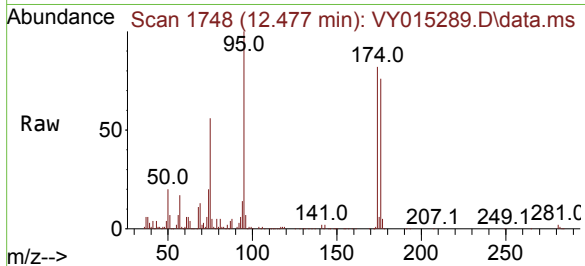




#76
1,2,3-Trichloropropane
Concen: 39.987 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015289.D
Acq: 23 Aug 2023 18:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 44996
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.831 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015289.D
Acq: 23 Aug 2023 18:32

Tgt Ion: 75 Resp: 44996
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

