

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081723\
 Data File : VY015172.D
 Acq On : 17 Aug 2023 15:17
 Operator : SY/MD
 Sample : 04046-04
 Misc : 3.73g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 18 00:54:25 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)

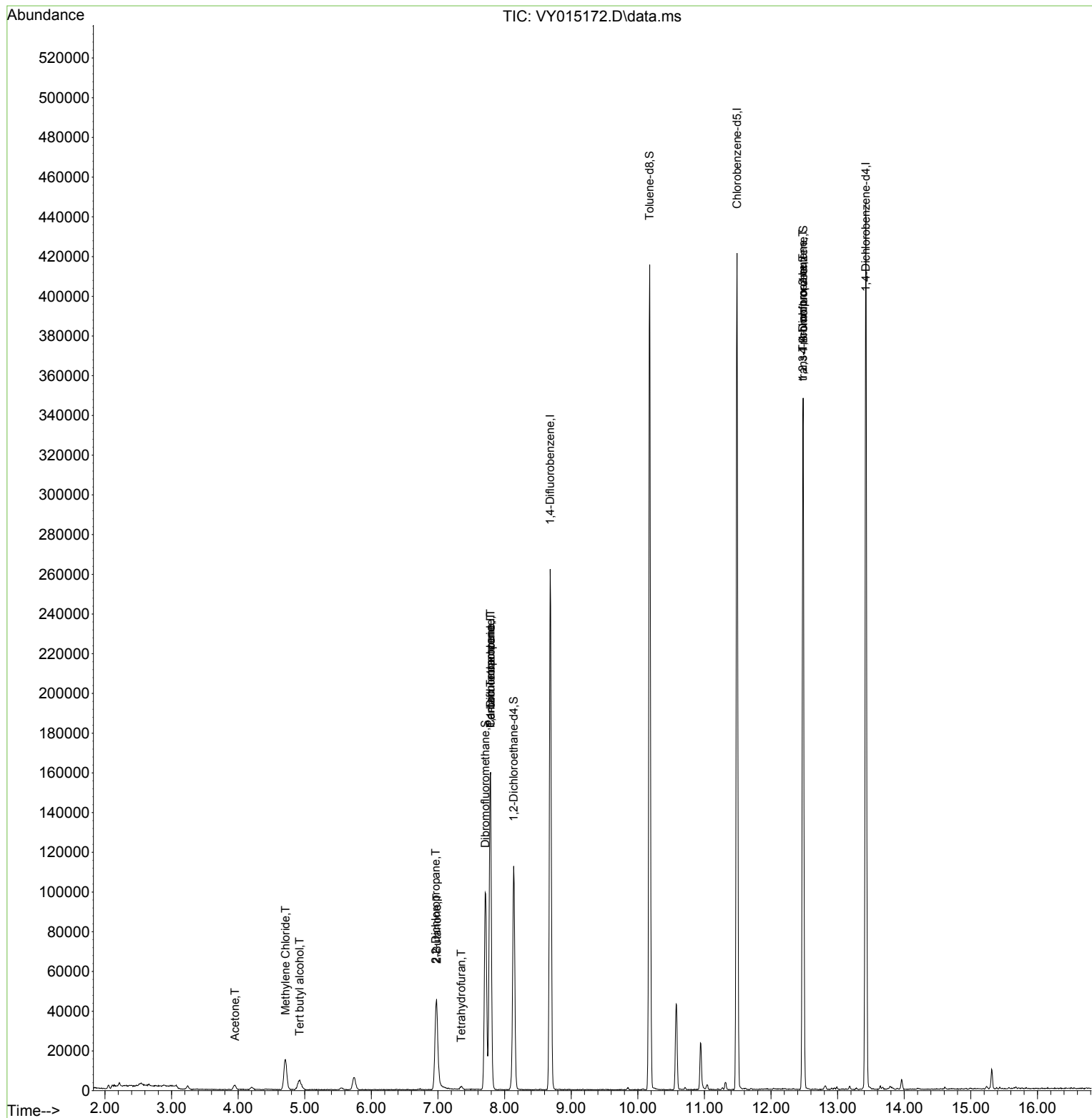
Internal Standards						
1) Pentafluorobenzene	7.789	168	126926	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	221591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	223962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	113578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	85035	55.811	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.620%
35) Dibromofluoromethane	7.710	113	71013	49.814	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.620%
50) Toluene-d8	10.179	98	269494	50.783	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.560%
62) 4-Bromofluorobenzene	12.483	95	101347	52.287	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.580%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	93	Below Cal	#	43
3) Chloromethane	2.113	50	367	Below Cal	#	68
5) Bromomethane	2.662	94	260	Below Cal	#	63
11) Tert butyl alcohol	4.924	59	5581	6.466	ug/l #	90
16) Acetone	3.954	43	4104	8.245	ug/l	90
20) Methylene Chloride	4.710	84	11564	5.877	ug/l	88
25) 2-Butanone	6.984	43	2606	3.698	ug/l #	73
26) 2,2-Dichloropropane	6.966	77	3500	1.716	ug/l #	54
29) Tetrahydrofuran	7.350	42	1094	2.596	ug/l	92
31) Cyclohexane	7.783	56	2696	Below Cal	#	29
36) 1,1-Dichloropropene	7.789	75	9975	6.325	ug/l #	50
38) Carbon Tetrachloride	7.789	117	12738	6.824	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	54807	39.718	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	54807	87.241	ug/l #	10

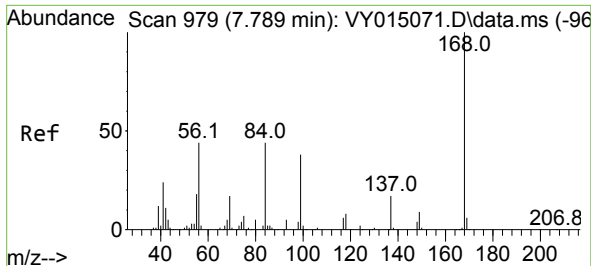
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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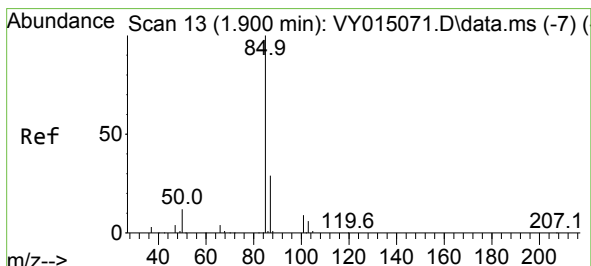
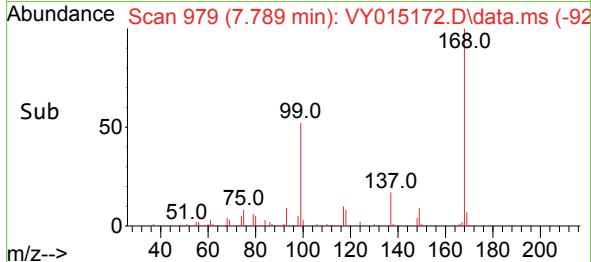
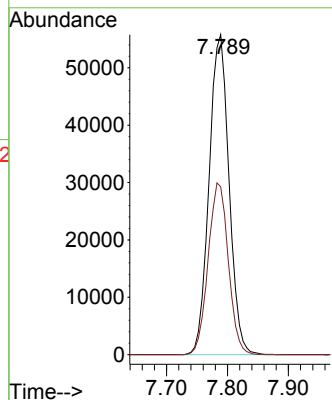
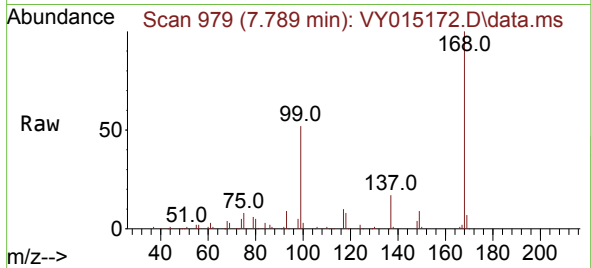




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015172.D
Acq: 17 Aug 2023 15:17

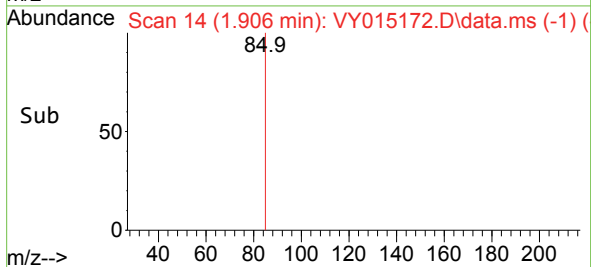
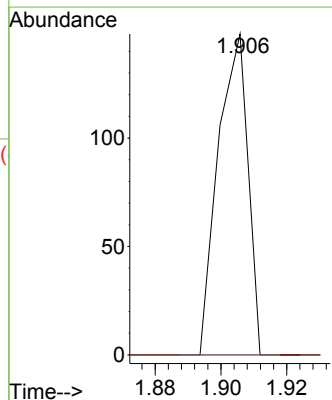
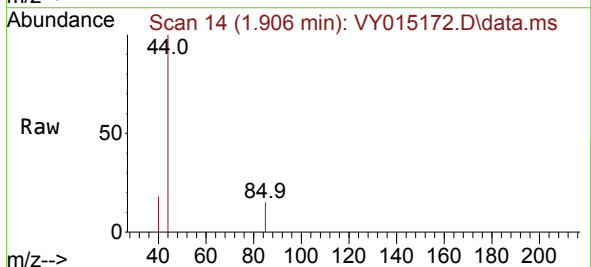
Instrument :
MSVOA_Y
ClientSampleId :

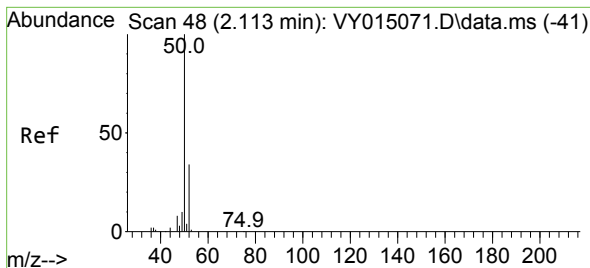
Tgt Ion:168 Resp: 126926
Ion Ratio Lower Upper
168 100
99 52.4 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY015172.D
Acq: 17 Aug 2023 15:17

Tgt Ion: 85 Resp: 93
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#





#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY015172.D

Acq: 17 Aug 2023 15:17

Instrument :

MSVOA_Y

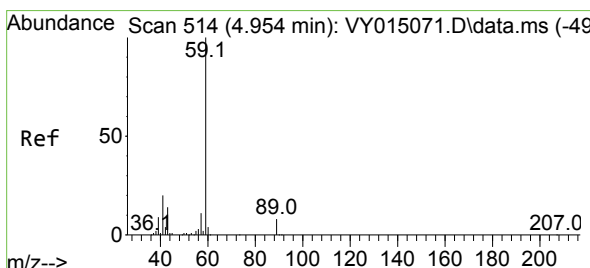
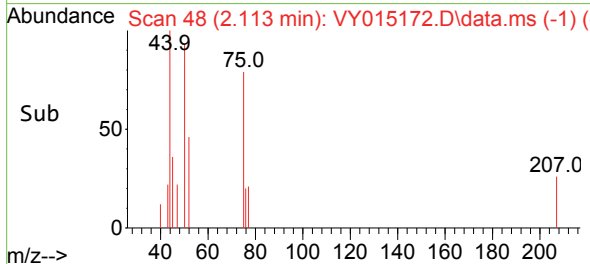
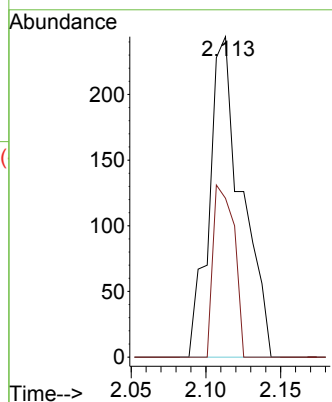
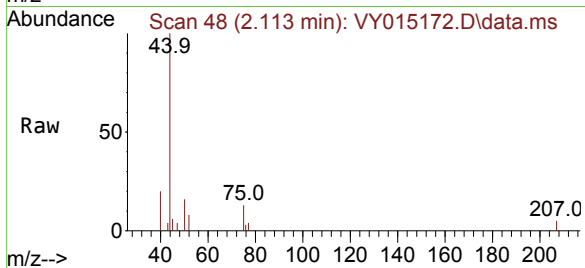
ClientSampleId :

Tgt Ion: 50 Resp: 367

Ion Ratio Lower Upper

50 100

52 49.6 25.4 38.2#



#11

Tert butyl alcohol

Concen: 6.466 ug/l

RT: 4.924 min Scan# 509

Delta R.T. -0.024 min

Lab File: VY015172.D

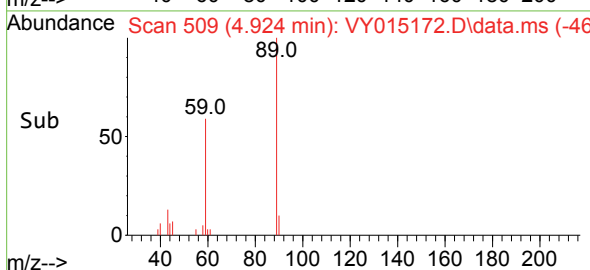
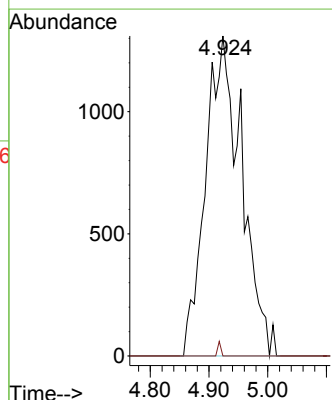
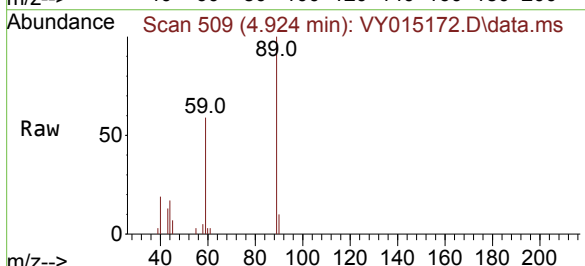
Acq: 17 Aug 2023 15:17

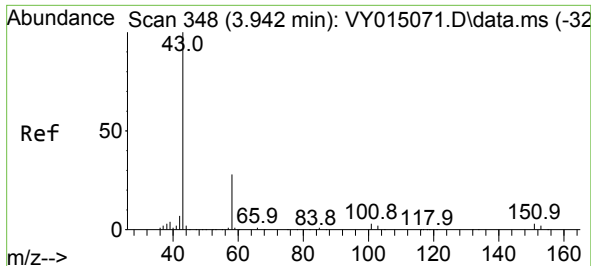
Tgt Ion: 59 Resp: 5581

Ion Ratio Lower Upper

59 100

57 0.4 3.0 4.4#





#16

Acetone

Concen: 8.245 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY015172.D

Acq: 17 Aug 2023 15:17

Instrument :

MSVOA_Y

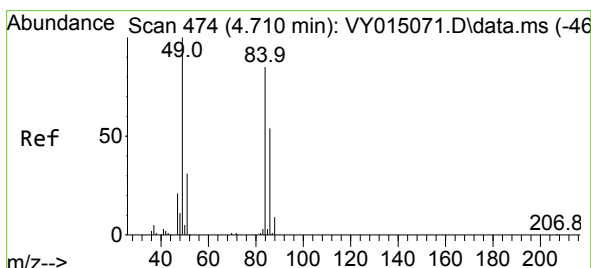
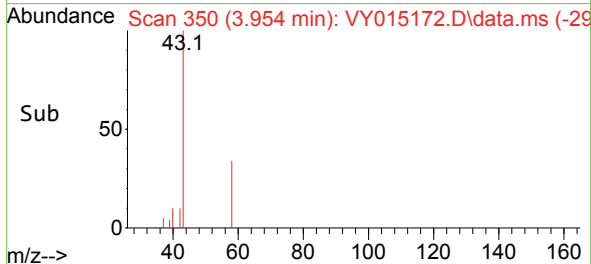
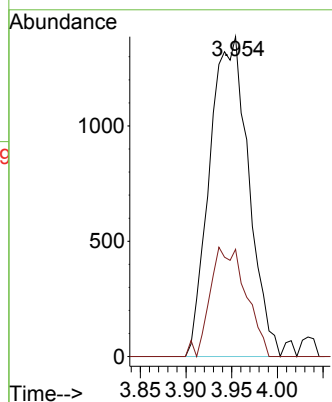
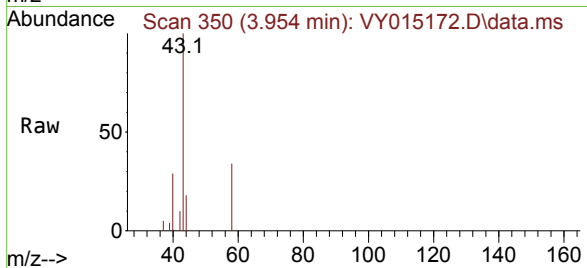
ClientSampleId :

Tgt Ion: 43 Resp: 4104

Ion Ratio Lower Upper

43 100

58 33.5 22.7 34.1



#20

Methylene Chloride

Concen: 5.877 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY015172.D

Acq: 17 Aug 2023 15:17

Tgt Ion: 84 Resp: 11564

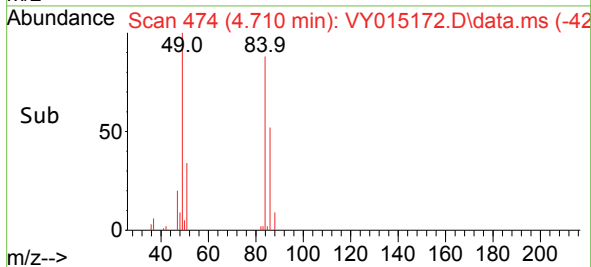
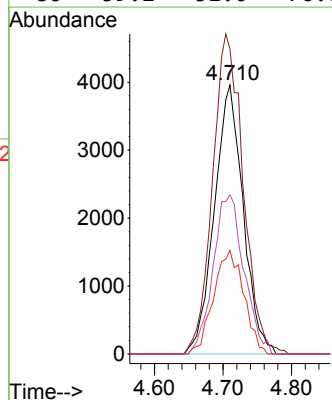
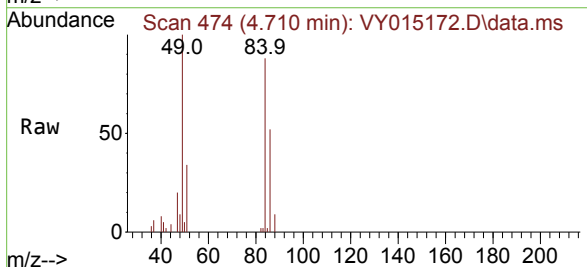
Ion Ratio Lower Upper

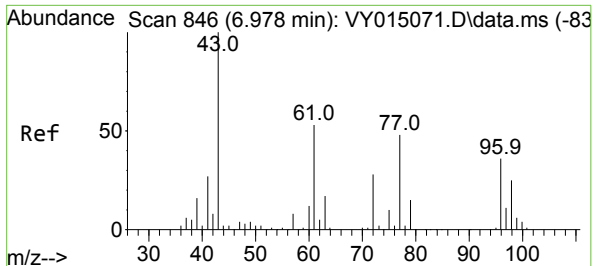
84 100

49 113.4 106.9 160.3

51 38.5 33.2 49.8

86 59.2 51.0 76.6





#25

2-Butanone

Concen: 3.698 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY015172.D

Acq: 17 Aug 2023 15:17

Instrument :

MSVOA_Y

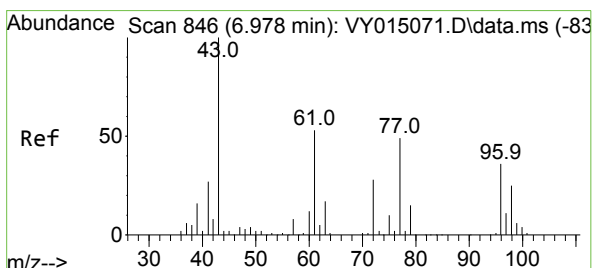
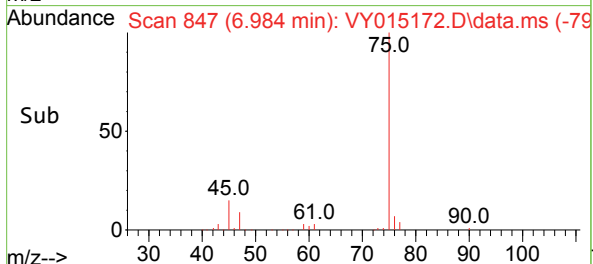
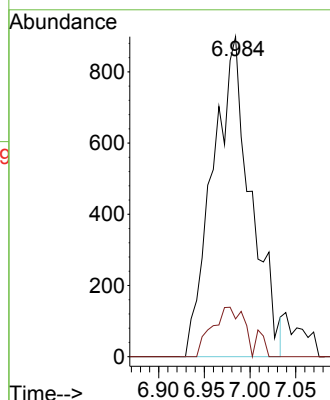
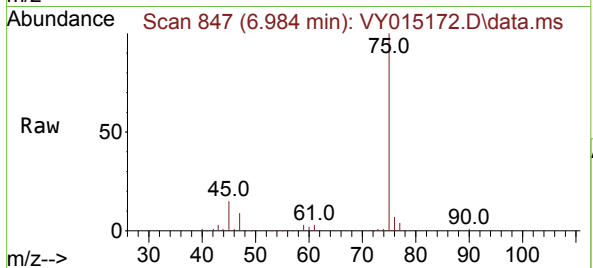
ClientSampleId :

Tgt Ion: 43 Resp: 2606

Ion Ratio Lower Upper

43 100

72 11.8 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.716 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY015172.D

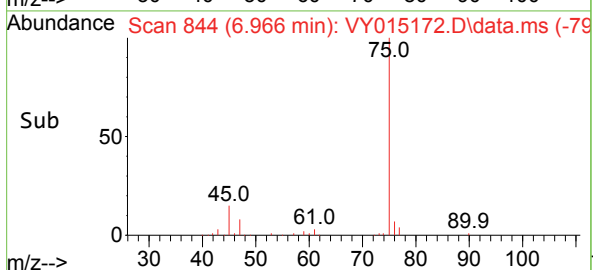
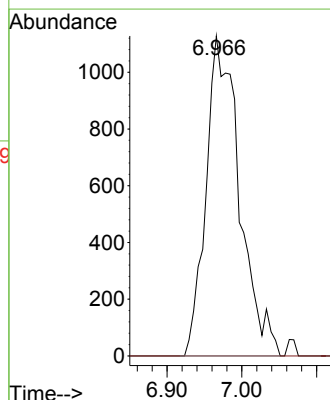
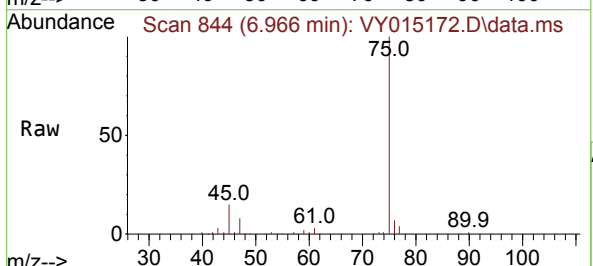
Acq: 17 Aug 2023 15:17

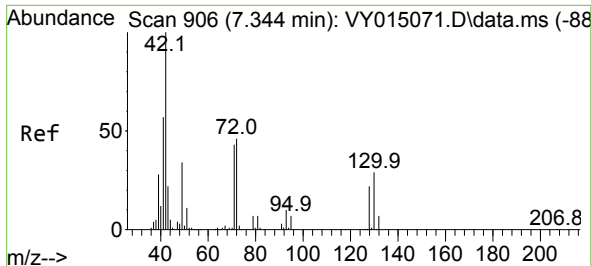
Tgt Ion: 77 Resp: 3500

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 2.596 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

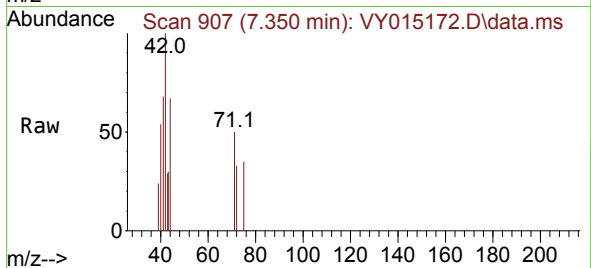
Lab File: VY015172.D

Acq: 17 Aug 2023 15:17

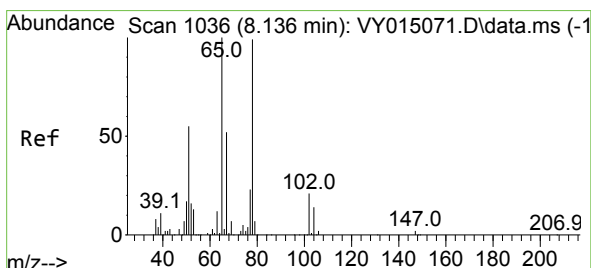
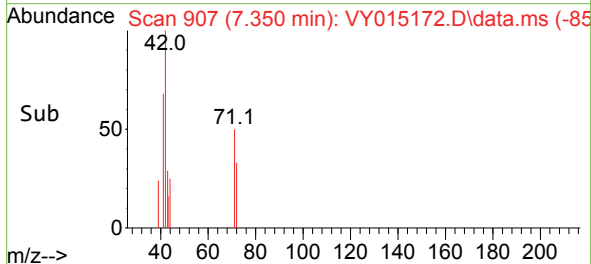
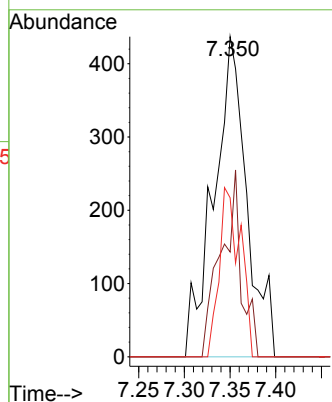
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	1094
Ion	Ratio	Lower	Upper
42	100		
72	36.3	32.8	49.2
71	34.0	31.0	46.4



#33

1,2-Dichloroethane-d4

Concen: 55.811 ug/l

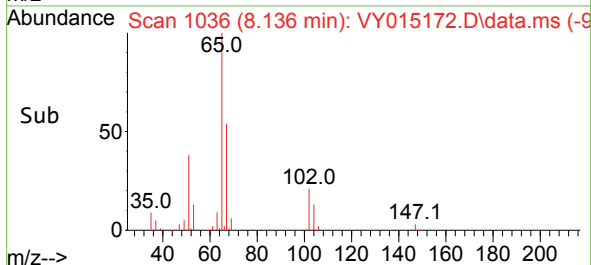
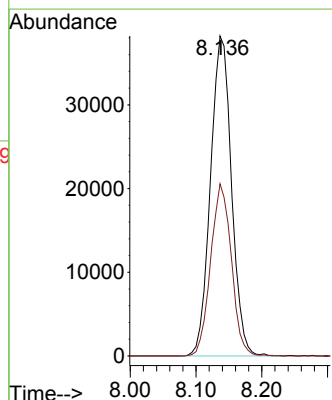
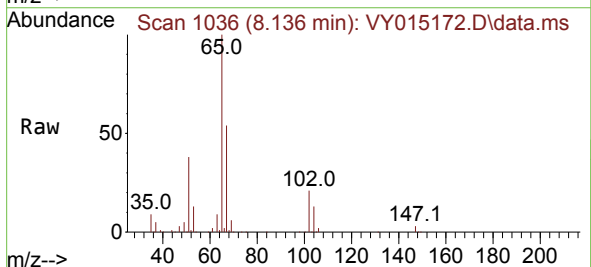
RT: 8.136 min Scan# 1036

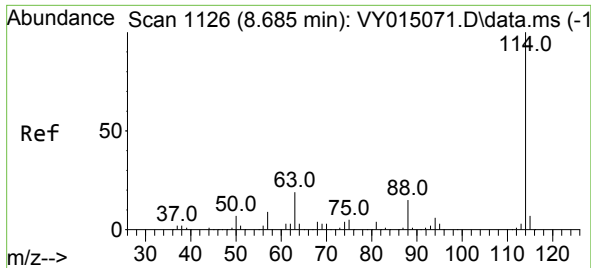
Delta R.T. 0.000 min

Lab File: VY015172.D

Acq: 17 Aug 2023 15:17

Tgt Ion:	65	Resp:	85035
Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	101.8

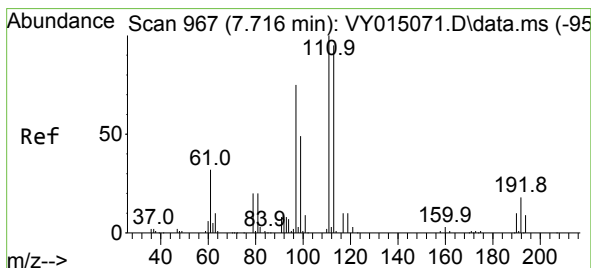
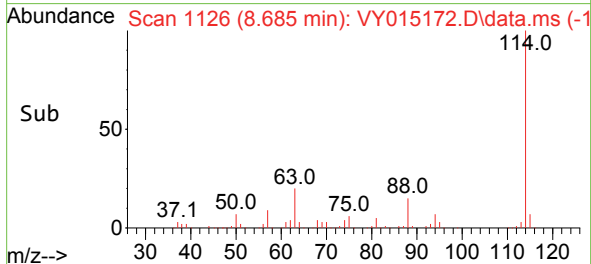
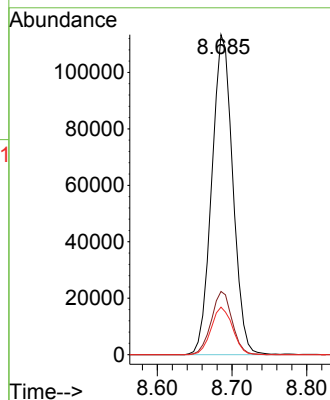
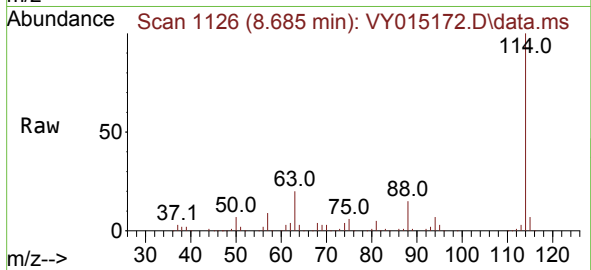




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015172.D
Acq: 17 Aug 2023 15:17

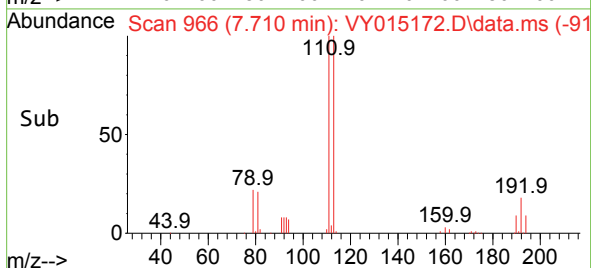
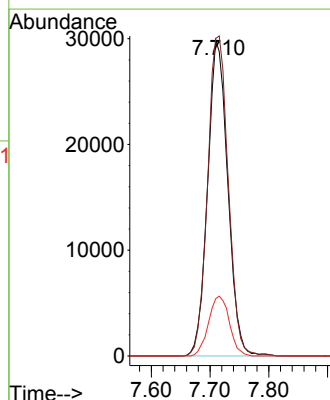
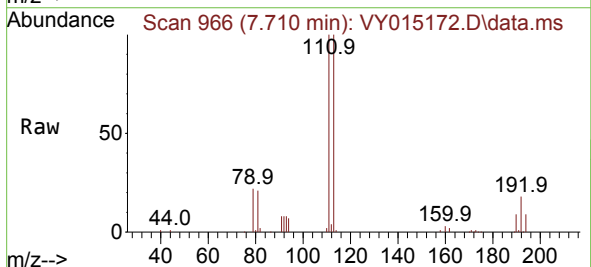
Instrument :
MSVOA_Y
ClientSampleId :

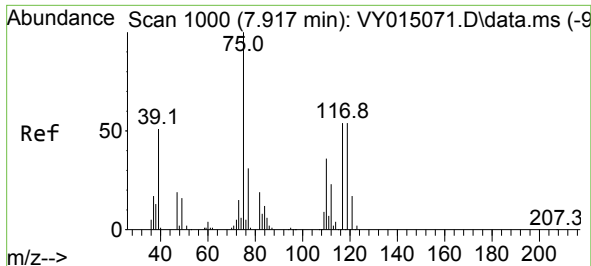
Tgt Ion:114 Resp: 221591
Ion Ratio Lower Upper
114 100
63 19.7 0.0 42.4
88 14.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.814 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY015172.D
Acq: 17 Aug 2023 15:17

Tgt Ion:113 Resp: 71013
Ion Ratio Lower Upper
113 100
111 103.8 81.3 121.9
192 19.5 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.325 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

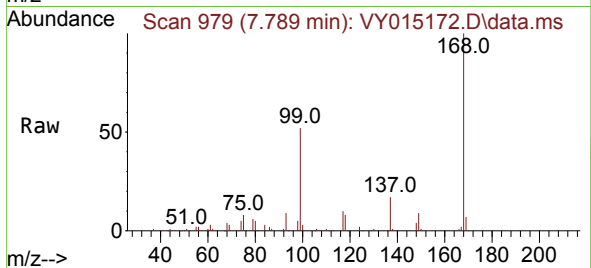
Lab File: VY015172.D

Acq: 17 Aug 2023 15:17

Instrument :

MSVOA_Y

ClientSampleId :



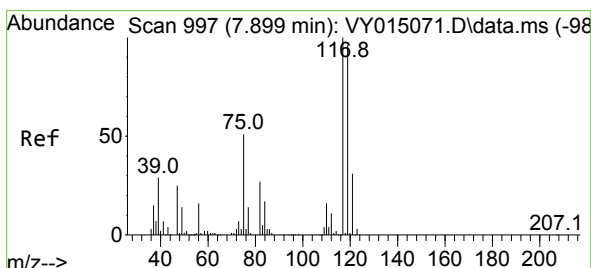
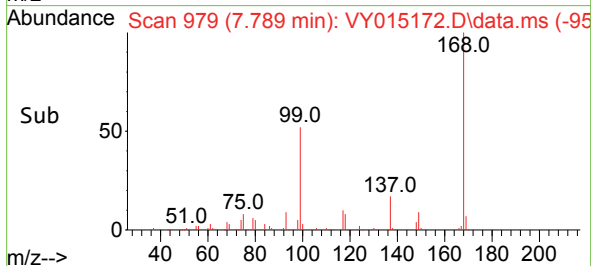
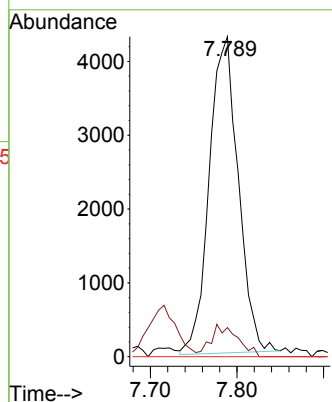
Tgt Ion: 75 Resp: 9975

Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.824 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY015172.D

Acq: 17 Aug 2023 15:17

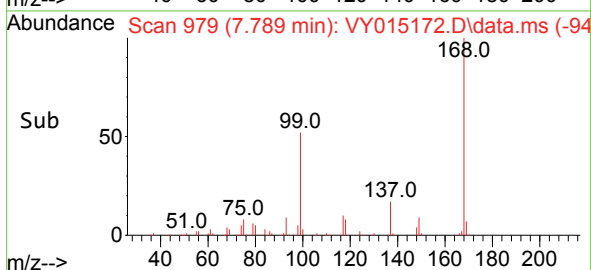
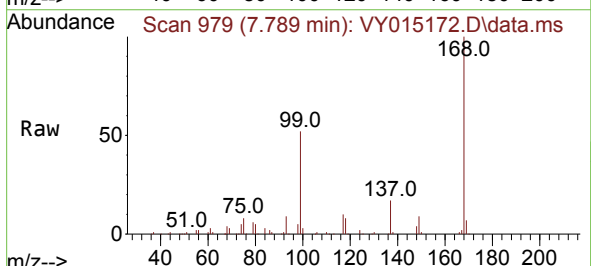
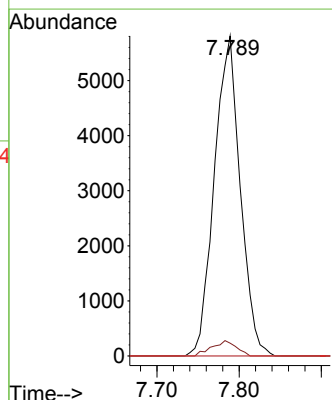
Tgt Ion: 117 Resp: 12738

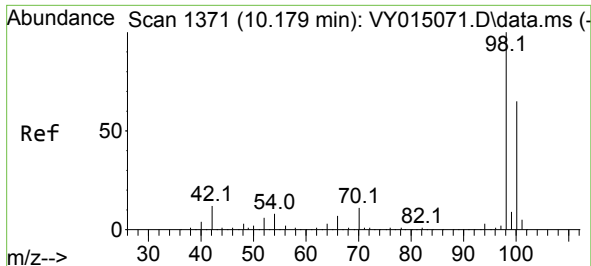
Ion Ratio Lower Upper

117 100

119 4.0 76.4 114.6#

121 0.0 25.8 38.6#

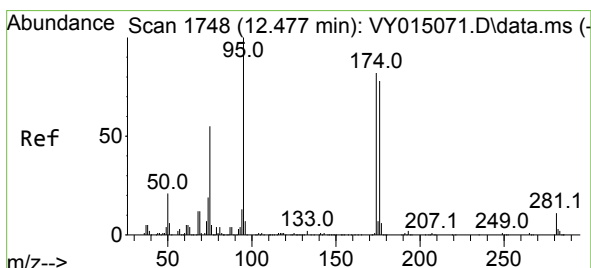
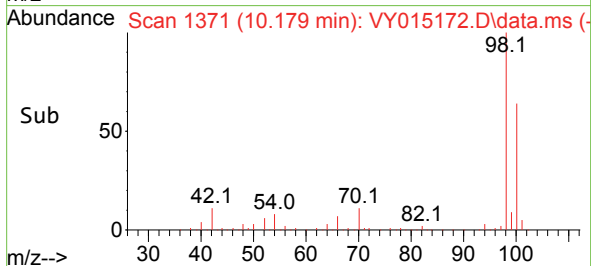
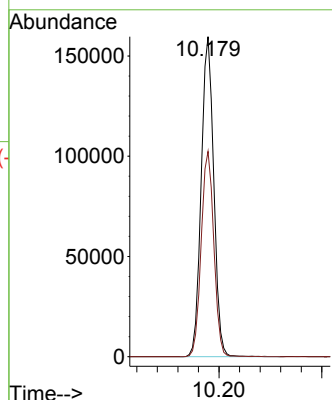
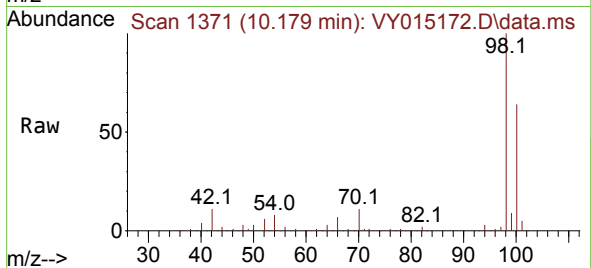




#50
Toluene-d8
Concen: 50.783 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015172.D
Acq: 17 Aug 2023 15:17

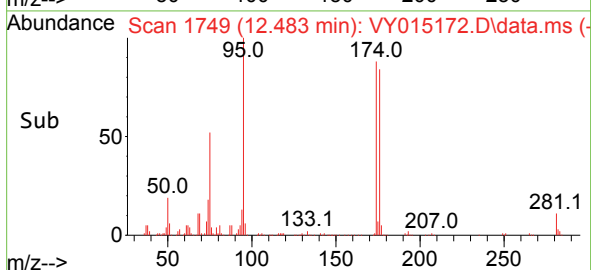
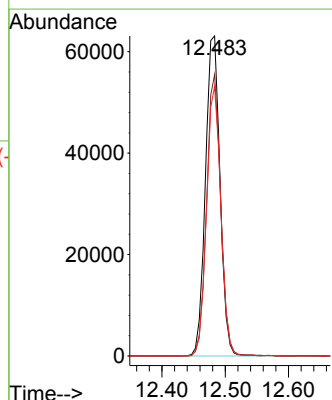
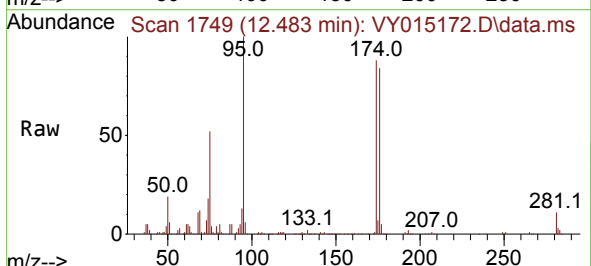
Instrument :
MSVOA_Y
ClientSampleId :

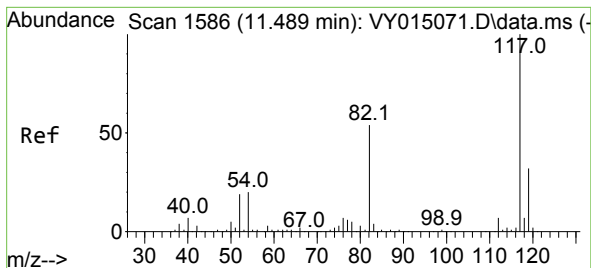
Tgt Ion: 98 Resp: 269494
Ion Ratio Lower Upper
98 100
100 64.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 52.287 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015172.D
Acq: 17 Aug 2023 15:17

Tgt Ion: 95 Resp: 101347
Ion Ratio Lower Upper
95 100
174 85.1 0.0 178.2
176 82.1 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: VY015172.D

Acq: 17 Aug 2023 15:17

Instrument :

MSVOA_Y

ClientSampleId :

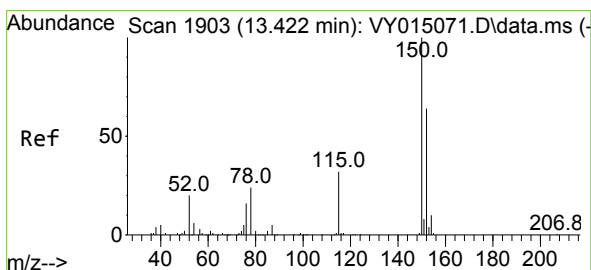
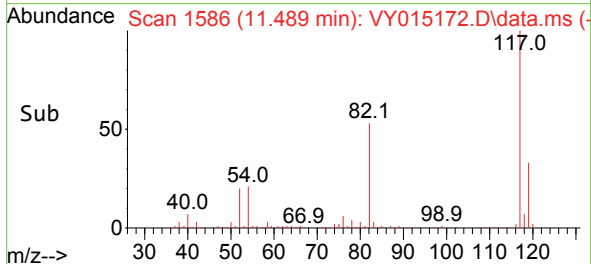
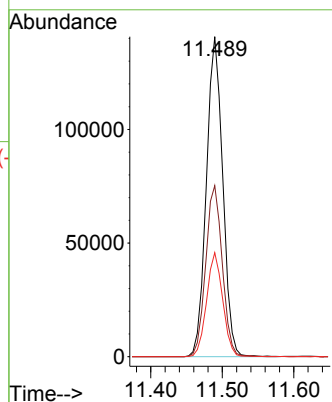
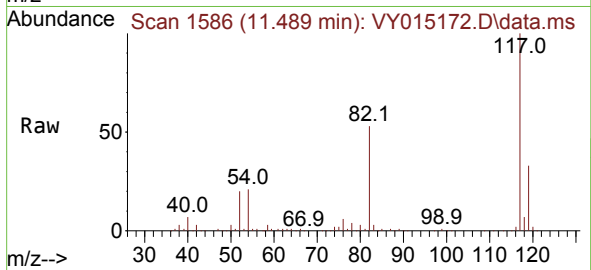
Tgt Ion:117 Resp: 223962

Ion Ratio Lower Upper

117 100

82 53.5 43.4 65.0

119 32.5 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: VY015172.D

Acq: 17 Aug 2023 15:17

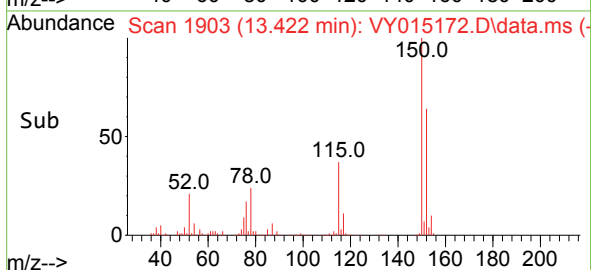
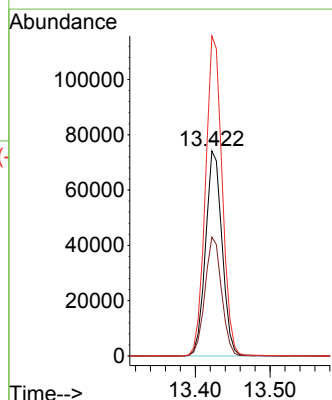
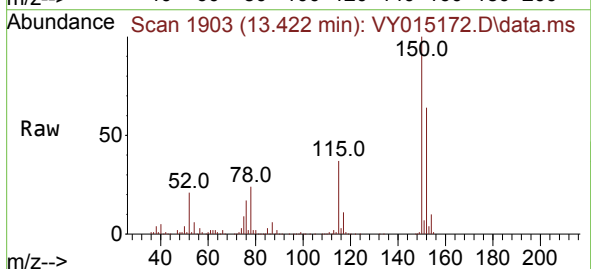
Tgt Ion:152 Resp: 113578

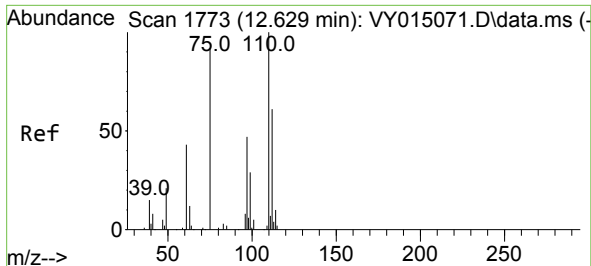
Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 157.7 0.0 348.8

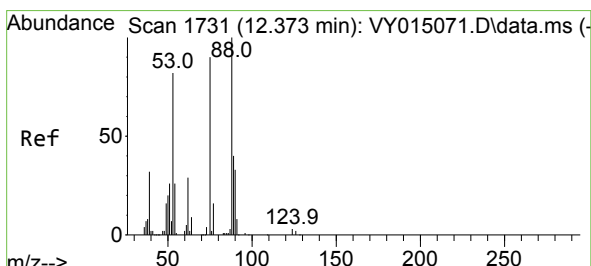
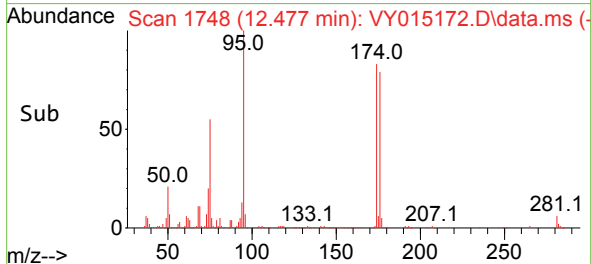
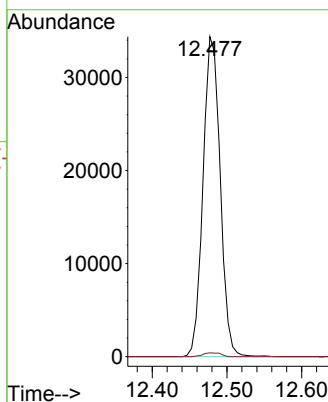
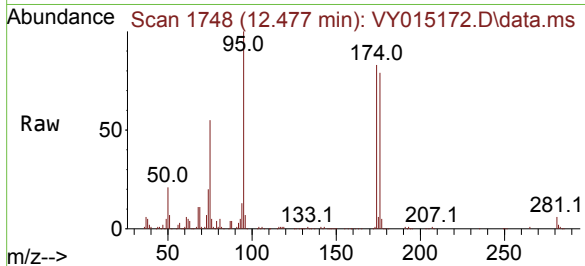




#76
1,2,3-Trichloropropane
Concen: 39.718 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015172.D
Acq: 17 Aug 2023 15:17

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 54807
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.241 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015172.D
Acq: 17 Aug 2023 15:17

Tgt Ion: 75 Resp: 54807
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

