

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015254.D
 Acq On : 22 Aug 2023 19:00
 Operator : SY/MD
 Sample : 04089-01
 Misc : 4.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-3-081823

Quant Time: Aug 23 02:46:19 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)

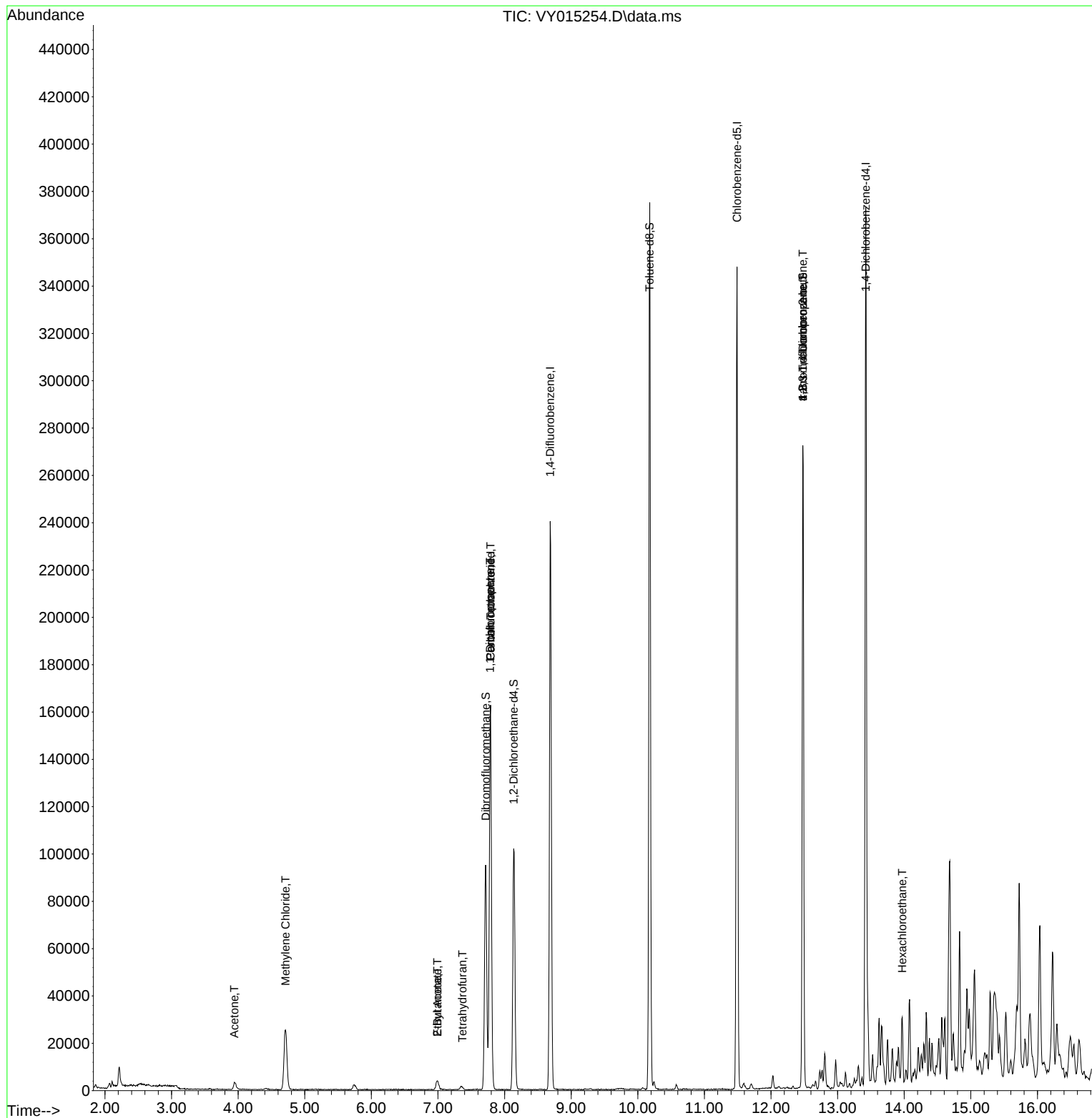
Internal Standards						
1) Pentafluorobenzene	7.789	168	126001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	204524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	183299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	91556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	81136	53.643	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.280%	
35) Dibromofluoromethane	7.716	113	66086	50.226	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.460%	
50) Toluene-d8	10.179	98	242201	49.448	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.900%	
62) 4-Bromofluorobenzene	12.477	95	80121	44.785	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.580%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	75	Below Cal	#	43
3) Chloromethane	2.107	50	1251	Below Cal		95
5) Bromomethane	2.662	94	175	Below Cal	#	2
11) Tert butyl alcohol	4.960	59	118	Below Cal	#	89
16) Acetone	3.942	43	5486	11.103	ug/l	96
20) Methylene Chloride	4.710	84	19728	13.498	ug/l	94
25) 2-Butanone	6.990	43	6594	9.425	ug/l	93
29) Tetrahydrofuran	7.368	42	1198	2.864	ug/l #	35
31) Cyclohexane	7.789	56	2663	Below Cal	#	8
36) 1,1-Dichloropropene	7.783	75	9396	6.455	ug/l #	50
37) Ethyl Acetate	6.990	43	6594	4.860	ug/l #	71
38) Carbon Tetrachloride	7.789	117	12825	7.444	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	44026	39.580	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	44026	86.936	ug/l #	10
90) Hexachloroethane	13.971	117	1214	1.122	ug/l #	8

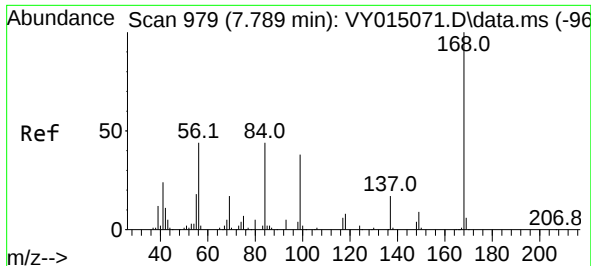
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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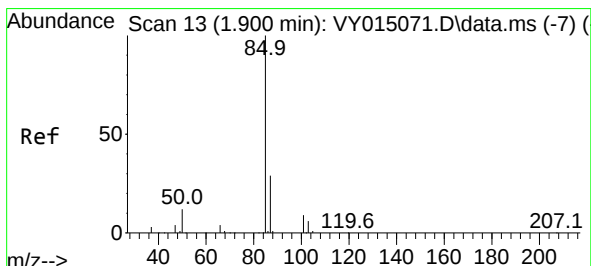
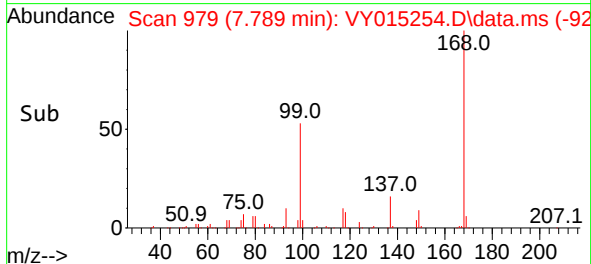
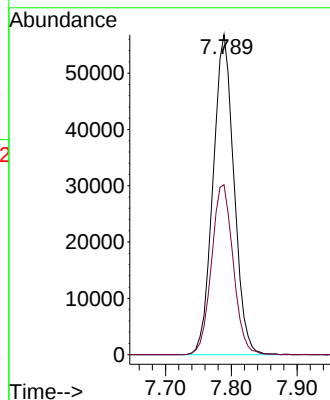
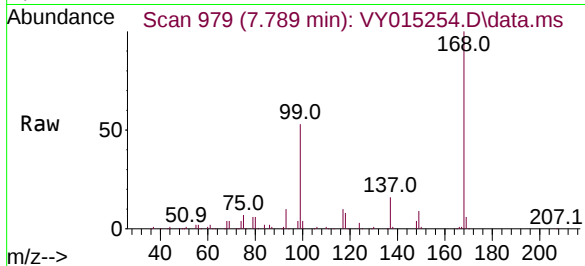




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015254.D
Acq: 22 Aug 2023 19:00

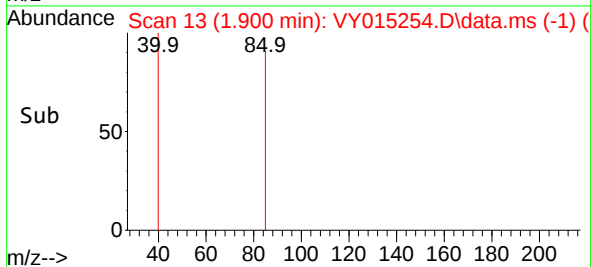
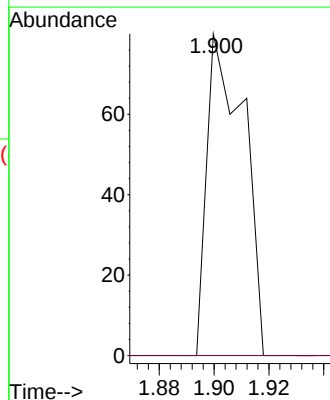
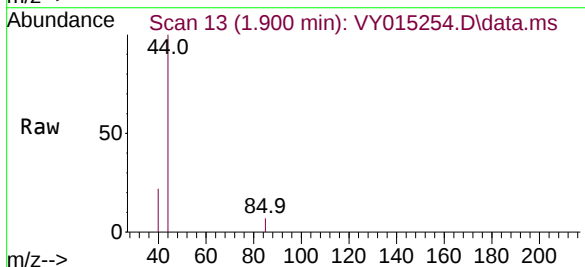
Instrument :
MSVOA_Y
ClientSampleId :
BU-3-081823

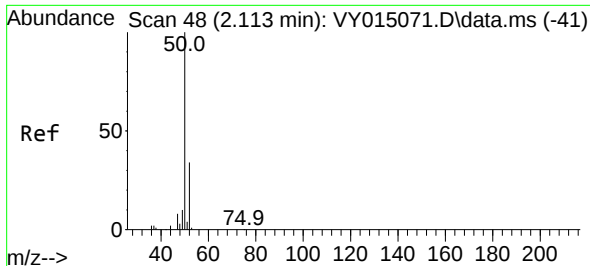
Tgt Ion:168 Resp: 126001
Ion Ratio Lower Upper
168 100
99 53.1 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY015254.D
Acq: 22 Aug 2023 19:00

Tgt Ion: 85 Resp: 75
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

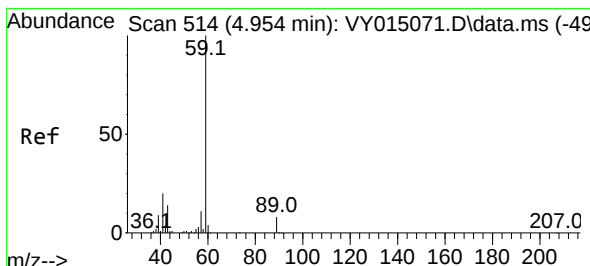
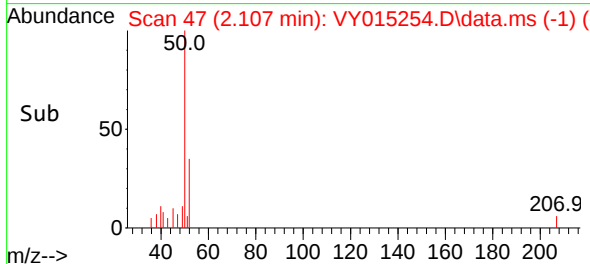
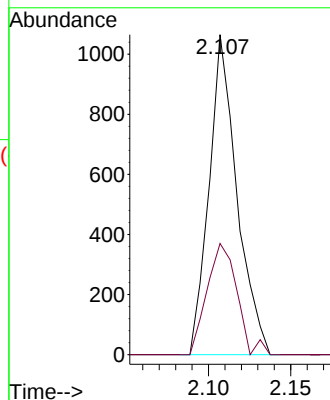
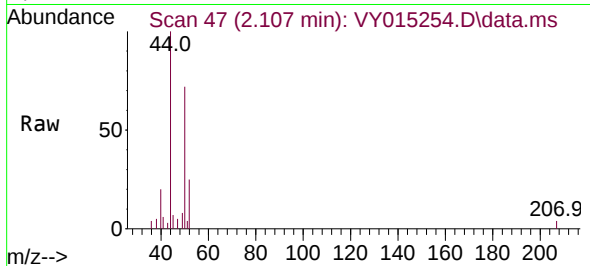




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY015254.D
Acq: 22 Aug 2023 19:00

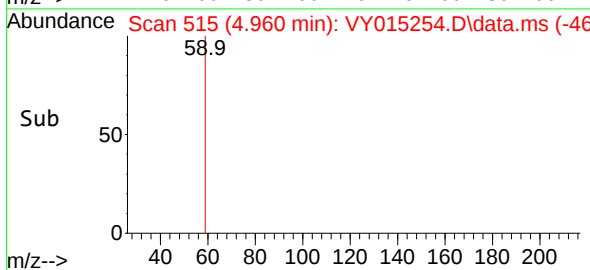
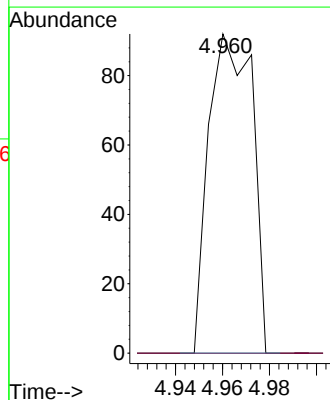
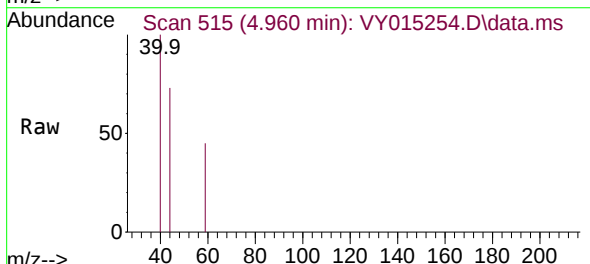
Instrument :
MSVOA_Y
ClientSampleId :
BU-3-081823

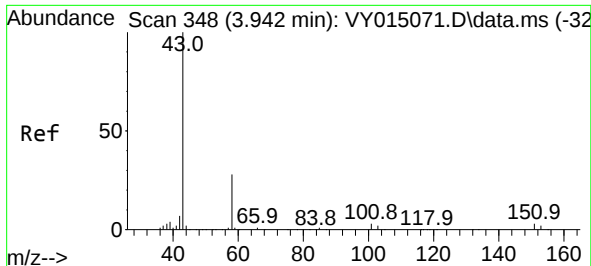
Tgt Ion: 50 Resp: 1251
Ion Ratio Lower Upper
50 100
52 34.7 25.4 38.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY015254.D
Acq: 22 Aug 2023 19:00

Tgt Ion: 59 Resp: 118
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

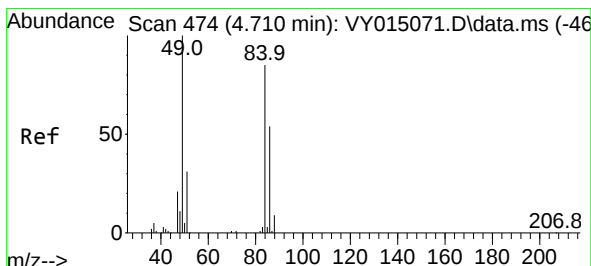
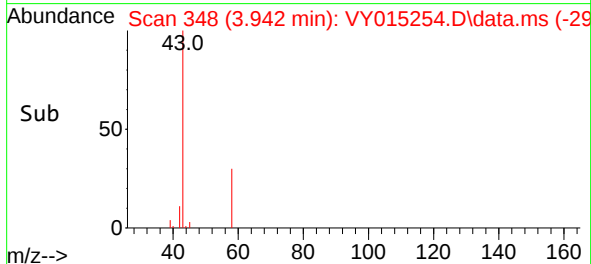
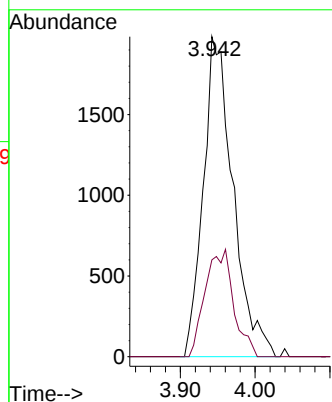
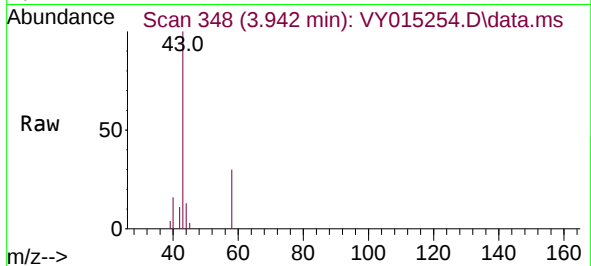




#16
Acetone
Concen: 11.103 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015254.D
Acq: 22 Aug 2023 19:00

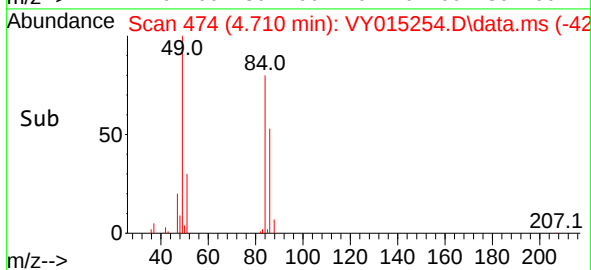
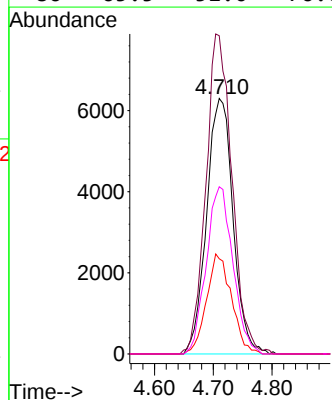
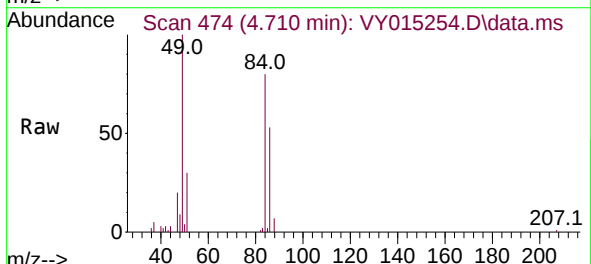
Instrument :
MSVOA_Y
ClientSampleId :
BU-3-081823

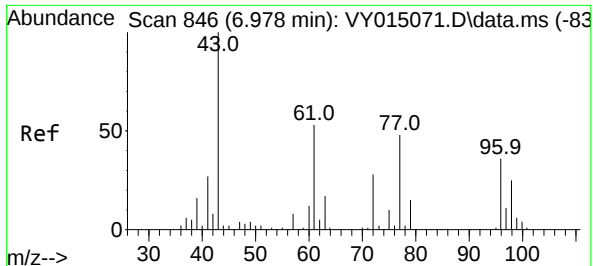
Tgt Ion: 43 Resp: 5486
Ion Ratio Lower Upper
43 100
58 30.3 22.7 34.1



#20
Methylene Chloride
Concen: 13.498 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY015254.D
Acq: 22 Aug 2023 19:00

Tgt Ion: 84 Resp: 19728
Ion Ratio Lower Upper
84 100
49 124.6 106.9 160.3
51 37.2 33.2 49.8
86 65.5 51.0 76.6





#25

2-Butanone

Concen: 9.425 ug/l

RT: 6.990 min Scan# 846

Delta R.T. 0.012 min

Lab File: VY015254.D

Acq: 22 Aug 2023 19:00

Instrument :

MSVOA_Y

ClientSampleId :

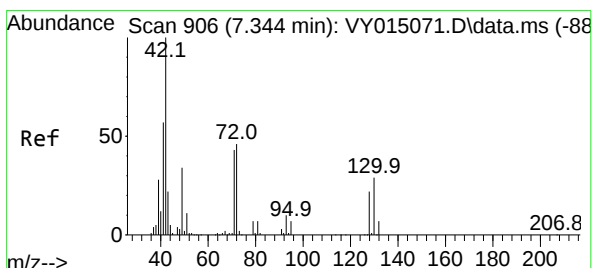
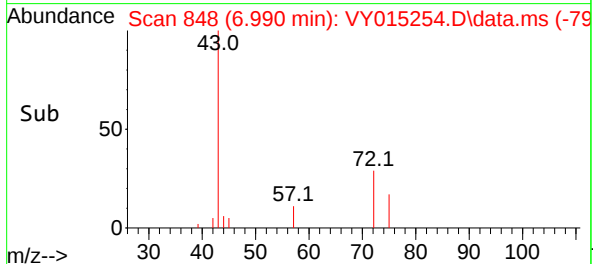
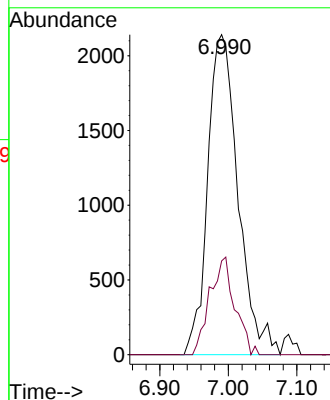
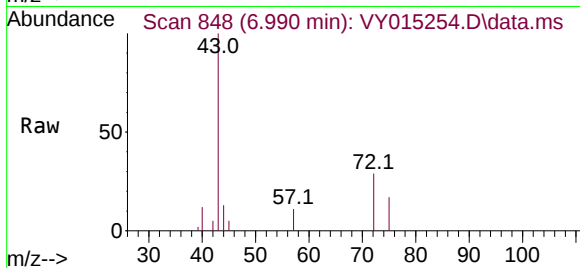
BU-3-081823

Tgt Ion: 43 Resp: 6594

Ion Ratio Lower Upper

43 100

72 29.3 20.5 30.7



#29

Tetrahydrofuran

Concen: 2.864 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.024 min

Lab File: VY015254.D

Acq: 22 Aug 2023 19:00

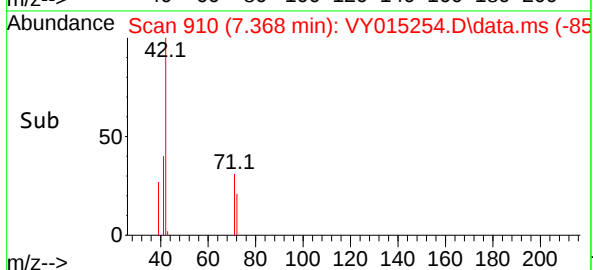
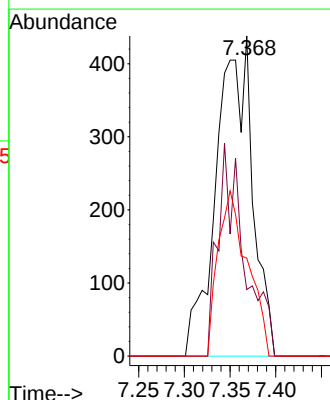
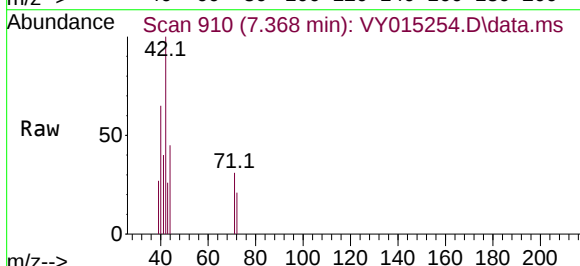
Tgt Ion: 42 Resp: 1198

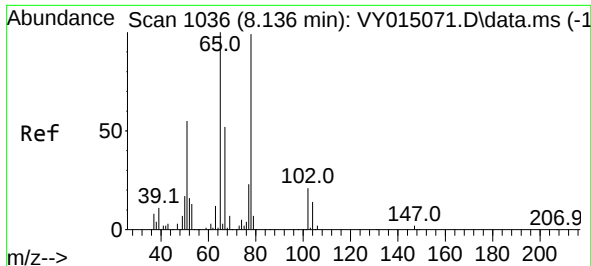
Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 31.0 46.4#





#33

1,2-Dichloroethane-d4

Concen: 53.643 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015254.D

Acq: 22 Aug 2023 19:00

Instrument :

MSVOA_Y

ClientSampleId :

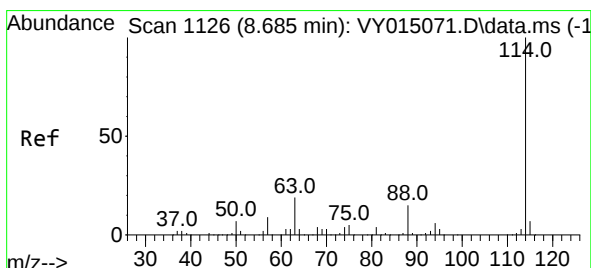
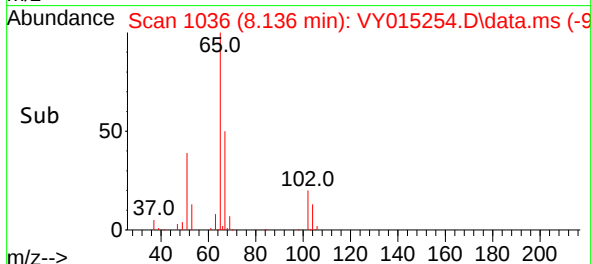
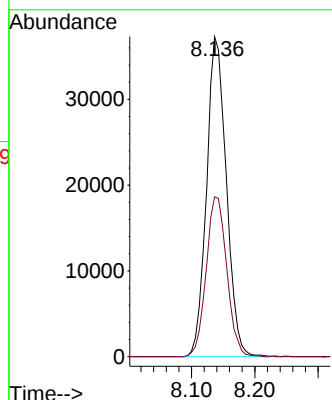
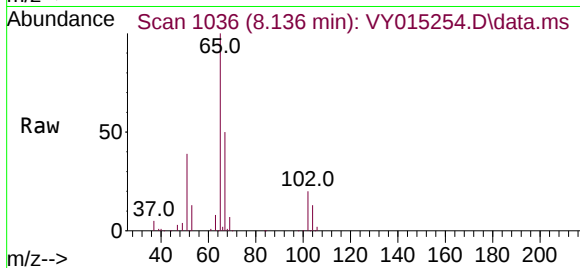
BU-3-081823

Tgt Ion: 65 Resp: 81136

Ion Ratio Lower Upper

65 100

67 52.0 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: VY015254.D

Acq: 22 Aug 2023 19:00

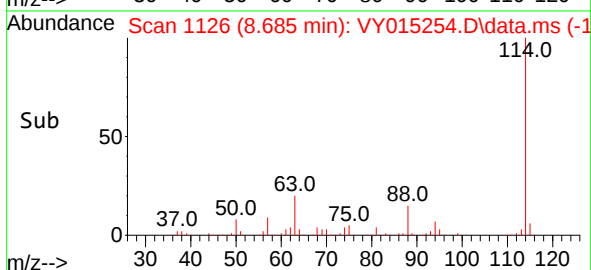
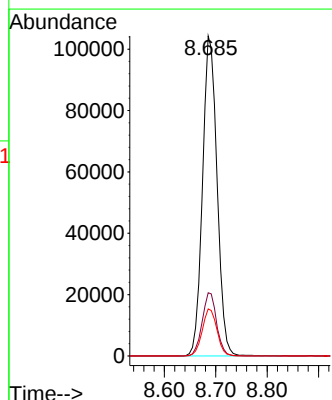
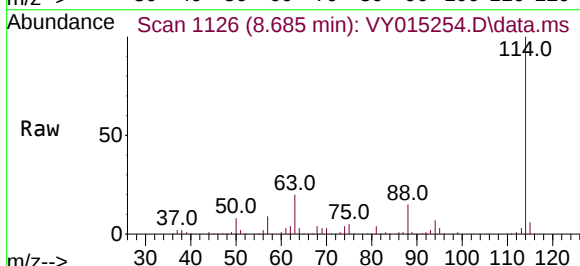
Tgt Ion: 114 Resp: 204524

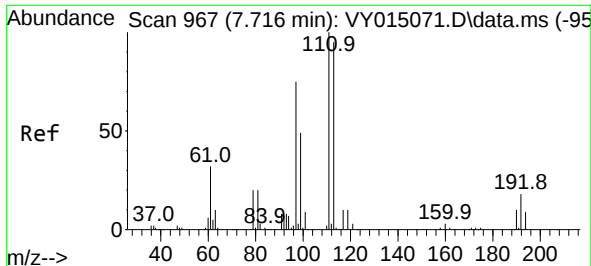
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 14.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.226 ug/l

RT: 7.716 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY015254.D

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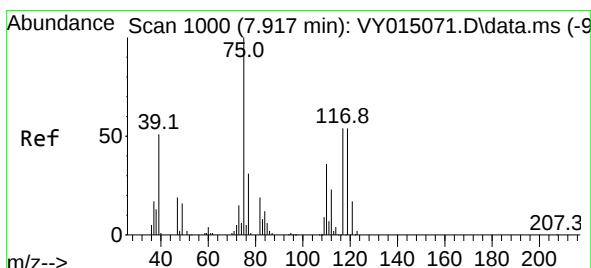
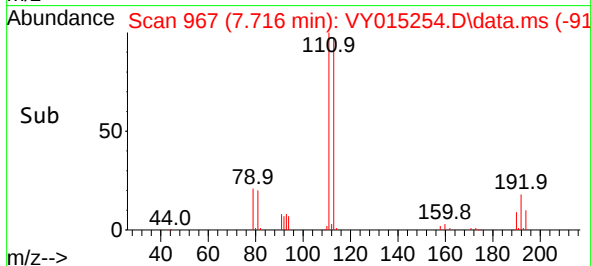
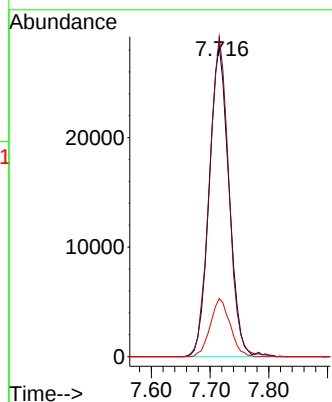
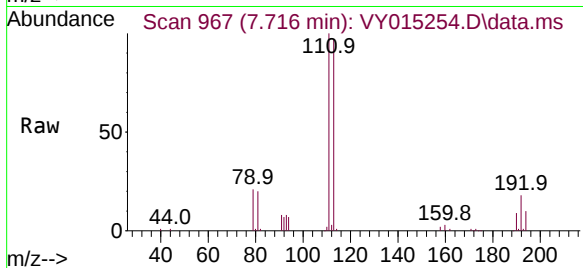
Tgt Ion:113 Resp: 66086

Ion Ratio Lower Upper

113 100

111 101.8 81.3 121.9

192 18.7 16.9 25.3



#36

1,1-Dichloropropene

Concen: 6.455 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.128 min

Lab File: VY015254.D

Acq: 22 Aug 2023 19:00

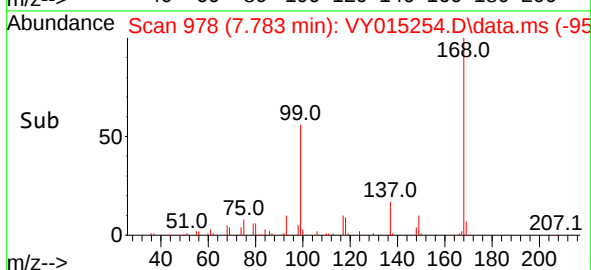
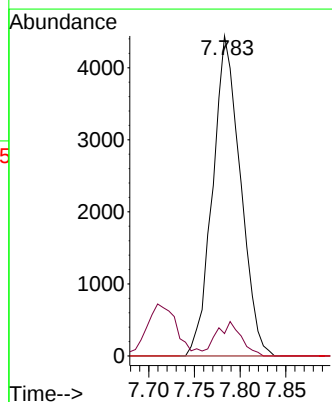
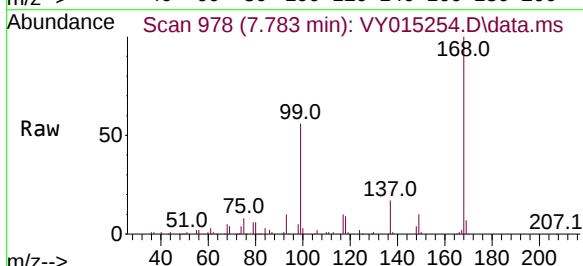
Tgt Ion: 75 Resp: 9396

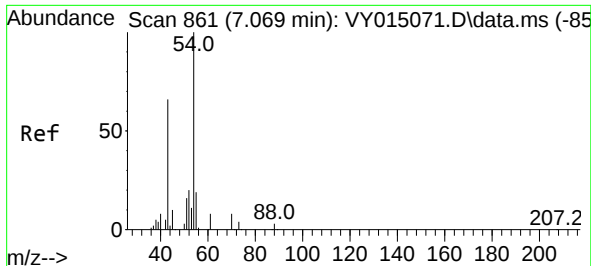
Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.5#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 4.860 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.079 min

Lab File: VY015254.D

Acq: 22 Aug 2023 19:00

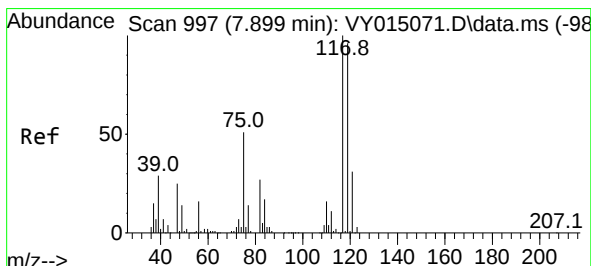
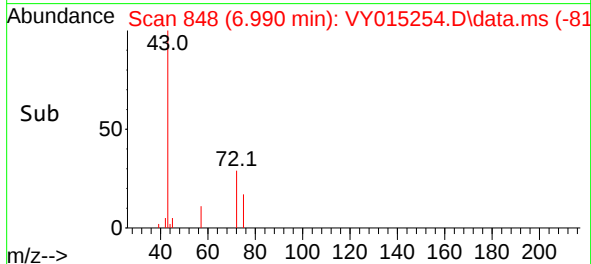
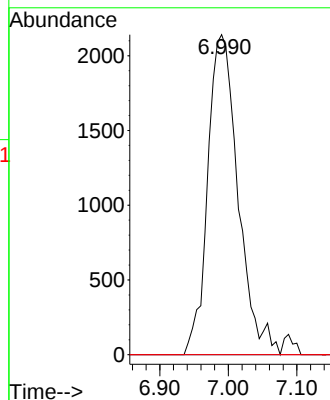
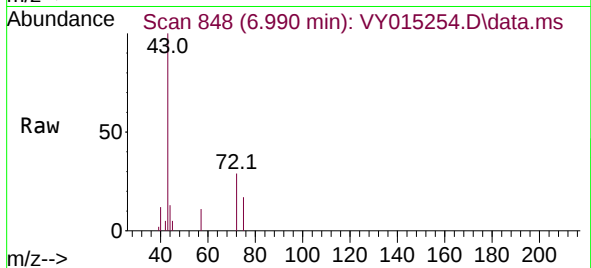
Instrument :

MSVOA_Y

ClientSampleId :

BU-3-081823

Tgt Ion:	43	Resp:	6594
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 7.444 ug/l

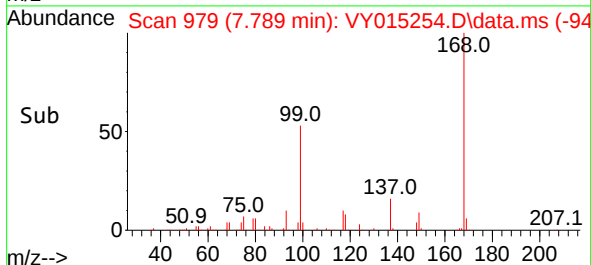
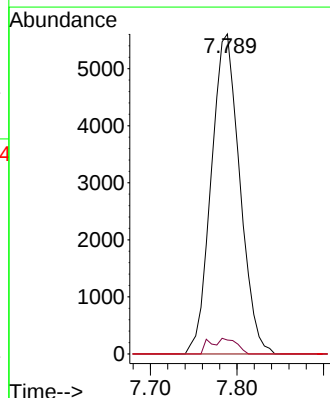
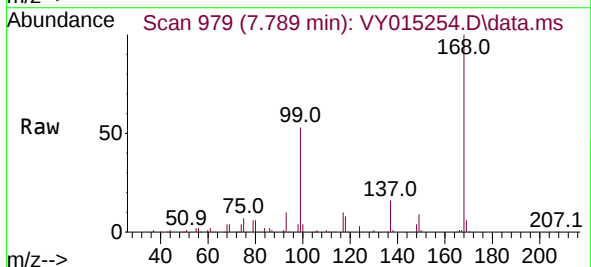
RT: 7.789 min Scan# 979

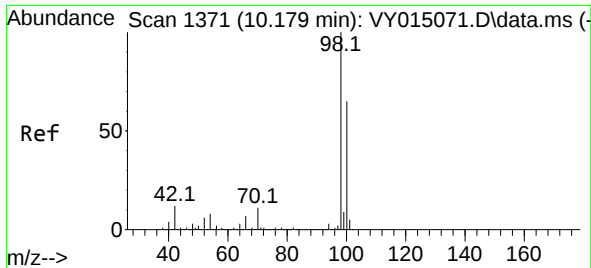
Delta R.T. -0.110 min

Lab File: VY015254.D

Acq: 22 Aug 2023 19:00

Tgt Ion:	117	Resp:	12825
Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.4	114.6#
121	0.0	25.8	38.6#

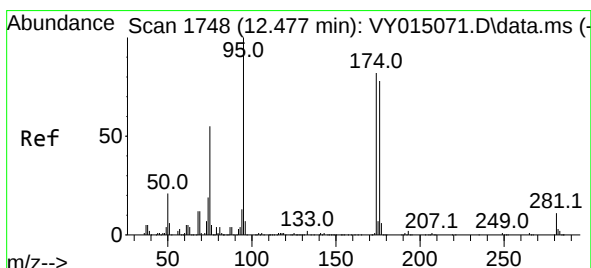
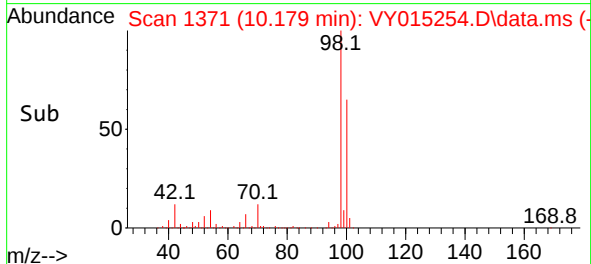
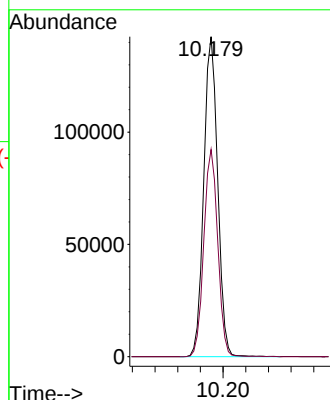
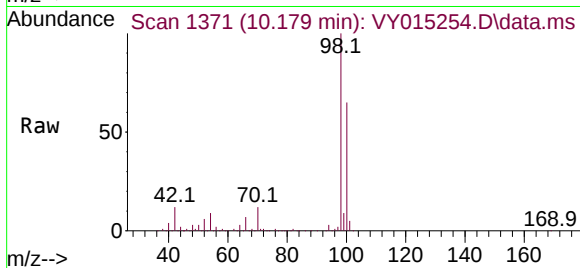




#50
Toluene-d8
Concen: 49.448 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015254.D
Acq: 22 Aug 2023 19:00

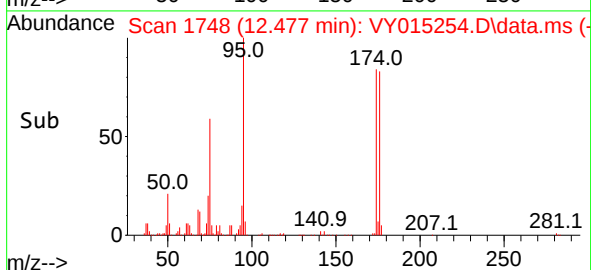
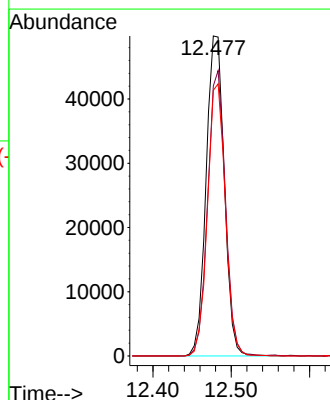
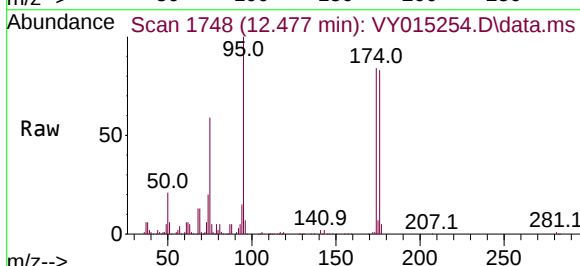
Instrument :
MSVOA_Y
ClientSampleId :
BU-3-081823

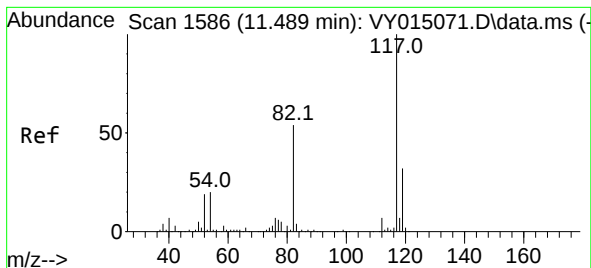
Tgt Ion: 98 Resp: 242201
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 44.785 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015254.D
Acq: 22 Aug 2023 19:00

Tgt Ion: 95 Resp: 80121
Ion Ratio Lower Upper
95 100
174 86.9 0.0 178.2
176 83.5 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: VY015254.D

Acq: 22 Aug 2023 19:00

Instrument :

MSVOA_Y

ClientSampleId :

BU-3-081823

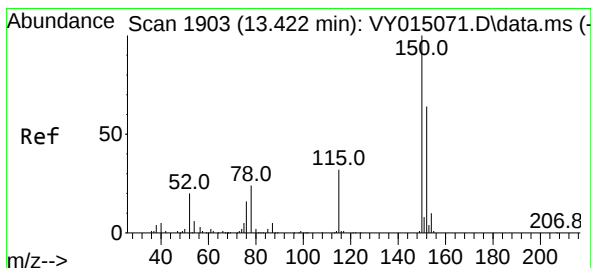
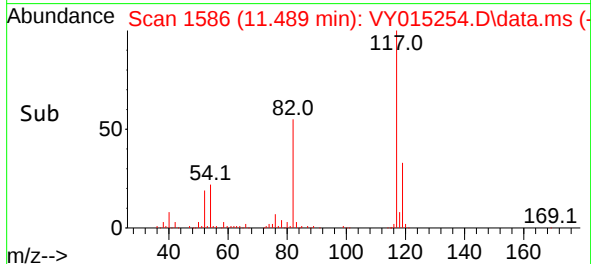
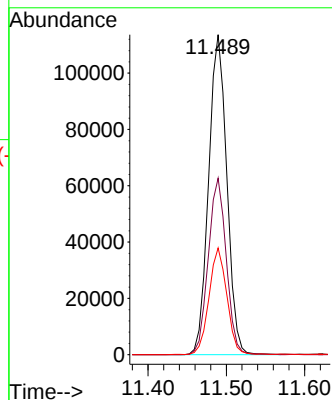
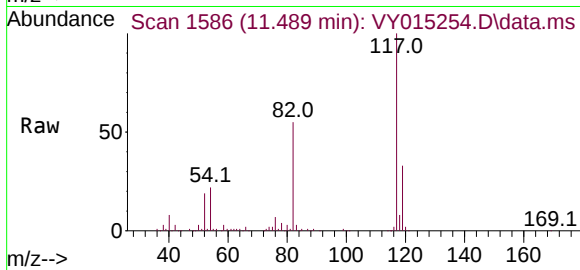
Tgt Ion:117 Resp: 183299

Ion Ratio Lower Upper

117 100

82 55.2 43.4 65.0

119 33.3 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: VY015254.D

Acq: 22 Aug 2023 19:00

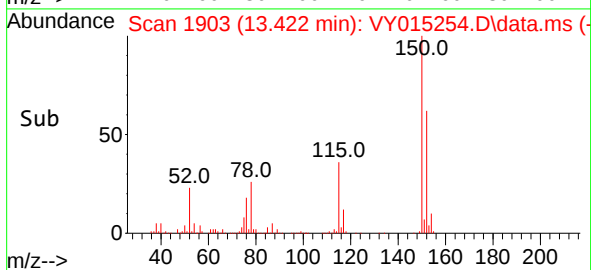
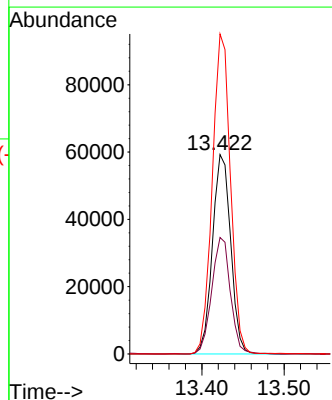
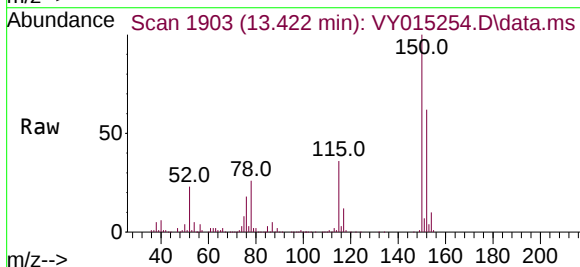
Tgt Ion:152 Resp: 91556

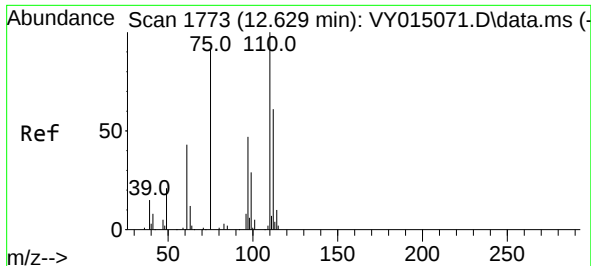
Ion Ratio Lower Upper

152 100

115 59.7 28.8 86.5

150 159.6 0.0 348.8

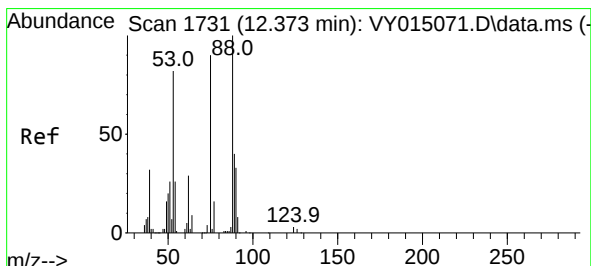
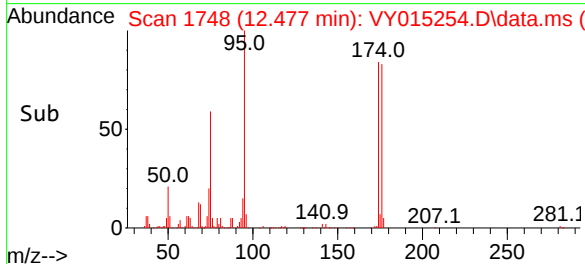
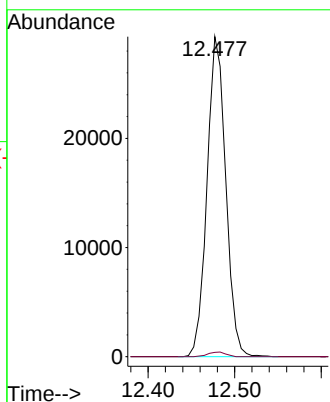
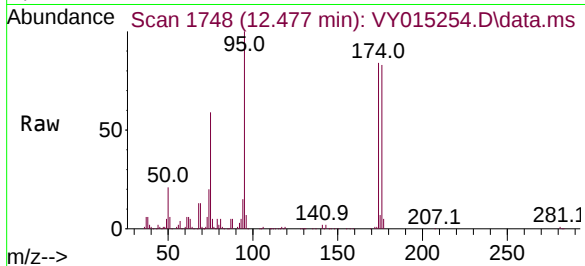




#76
1,2,3-Trichloropropane
Concen: 39.580 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015254.D
Acq: 22 Aug 2023 19:00

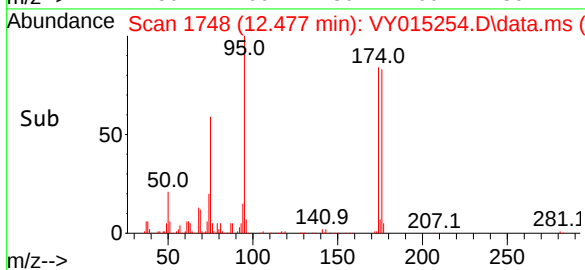
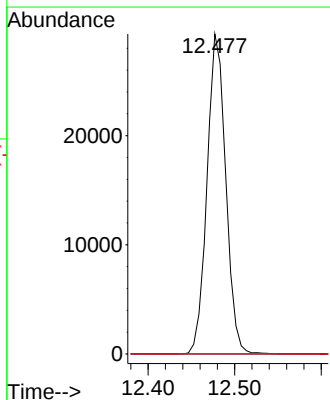
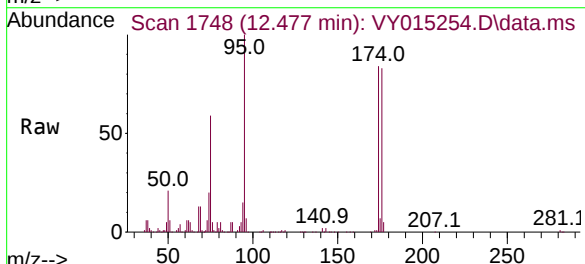
Instrument :
MSVOA_Y
ClientSampleId :
BU-3-081823

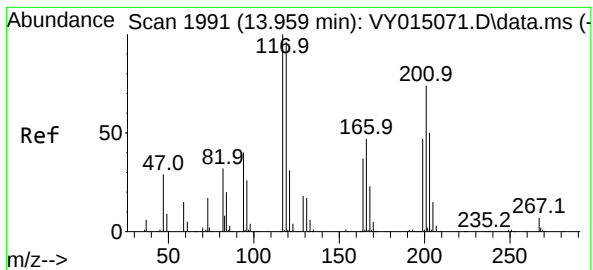
Tgt Ion: 75 Resp: 44026
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.936 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015254.D
Acq: 22 Aug 2023 19:00

Tgt Ion: 75 Resp: 44026
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#90
 Hexachloroethane
 Concen: 1.122 ug/l
 RT: 13.971 min Scan# 1993
 Delta R.T. 0.012 min
 Lab File: VY015254.D
 Acq: 22 Aug 2023 19:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-3-081823

Tgt Ion:117 Resp: 1214
 Ion Ratio Lower Upper
 117 100
 201 0.0 41.6 124.8#

