

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022041.D
 Acq On : 28 Apr 2025 18:59
 Operator : SY/MD
 Sample : Q1875-01
 Misc : 4.80g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AUD-25-0053

Quant Time: Apr 29 03:56:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	296259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	570380	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	510534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	222586	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	146646	53.589	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.180%
35) Dibromofluoromethane	7.634	113	190798	50.633	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.260%
50) Toluene-d8	10.109	98	688311	48.451	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.900%
62) 4-Bromofluorobenzene	12.408	95	209262	43.757	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.520%

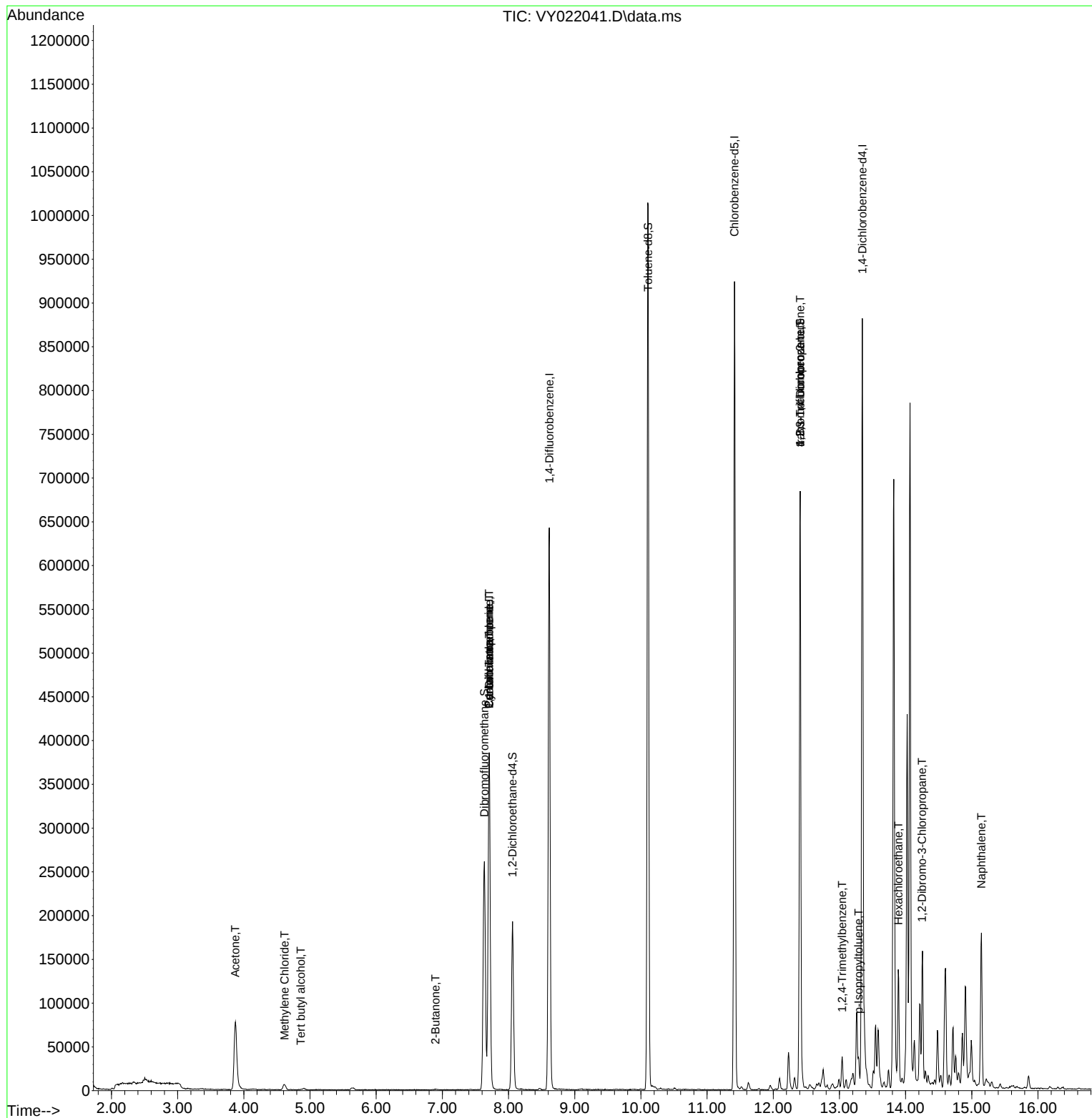
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.860	59	389	2.589	ug/l #	70
16) Acetone	3.873	43	140248	404.775	ug/l	94
20) Methylene Chloride	4.616	84	4510	1.303	ug/l	93
25) 2-Butanone	6.897	43	1112	1.783	ug/l #	82
31) Cyclohexane	7.707	56	5247	1.160	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	21807	4.308	ug/l #	49
38) Carbon Tetrachloride	7.707	117	30066	4.971	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	99927	52.412	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	99927	126.216	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.042	105	16730	1.365	ug/l	96
86) p-Isopropyltoluene	13.292	119	16507	1.209	ug/l #	71
90) Hexachloroethane	13.889	117	6316	2.105	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.249	75	589	1.477	ug/l #	1
95) Naphthalene	15.145	128	145568	23.231	ug/l	100

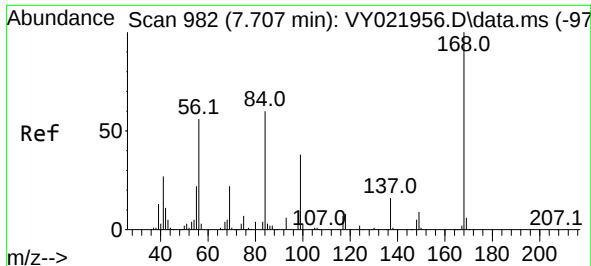
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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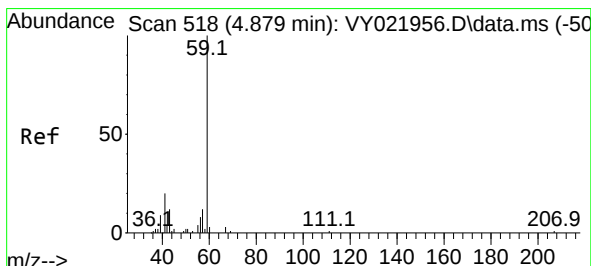
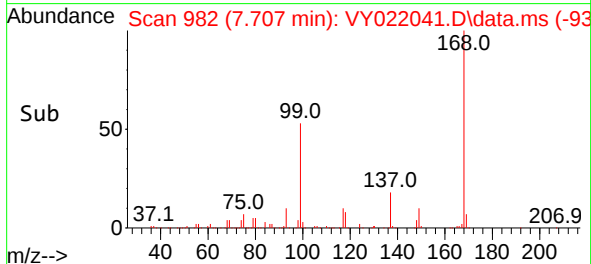
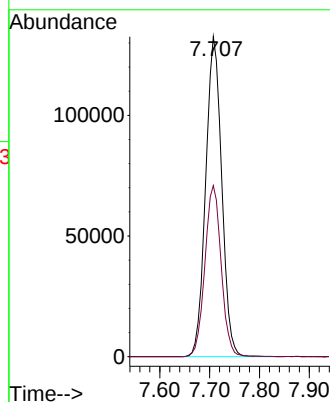
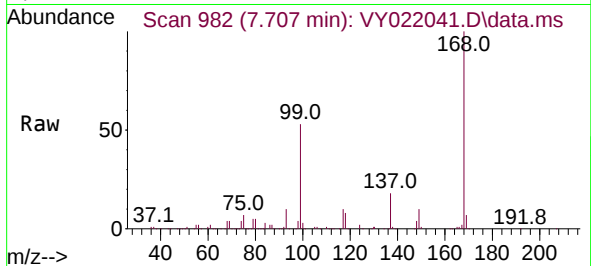




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022041.D
Acq: 28 Apr 2025 18:59

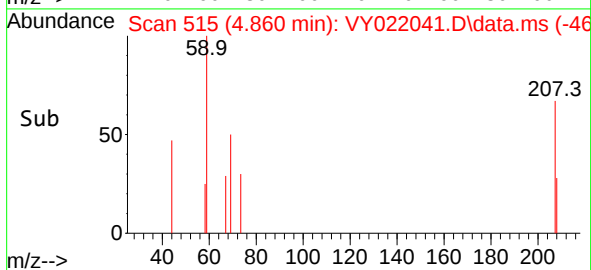
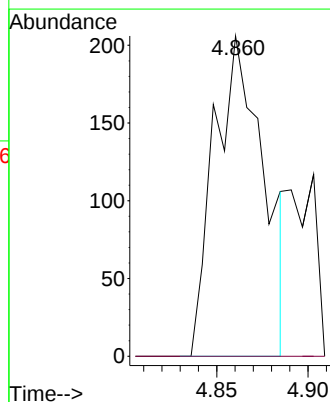
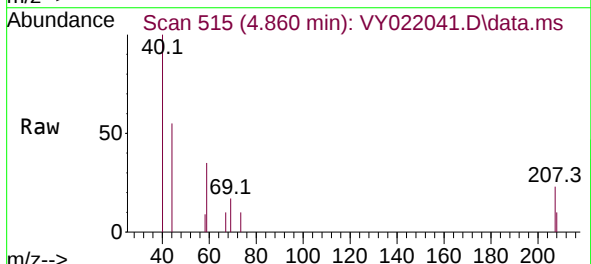
Instrument :
MSVOA_Y
ClientSampleId :
AUD-25-0053

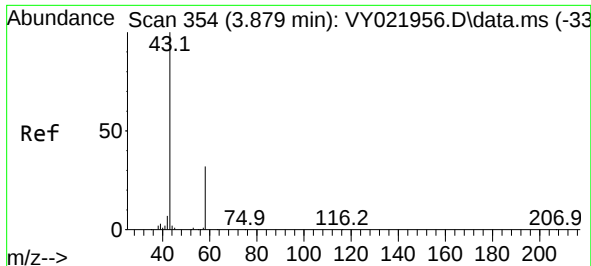
Tgt Ion:168 Resp: 296259
Ion Ratio Lower Upper
168 100
99 53.5 43.1 64.7



#11
Tert butyl alcohol
Concen: 2.589 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.018 min
Lab File: VY022041.D
Acq: 28 Apr 2025 18:59

Tgt Ion: 59 Resp: 389
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

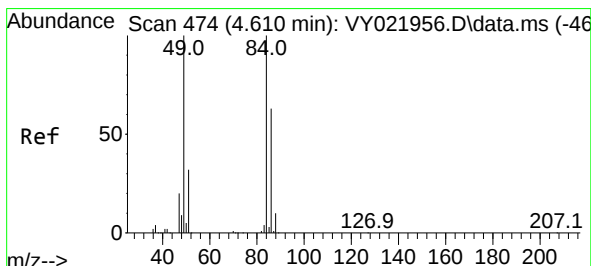
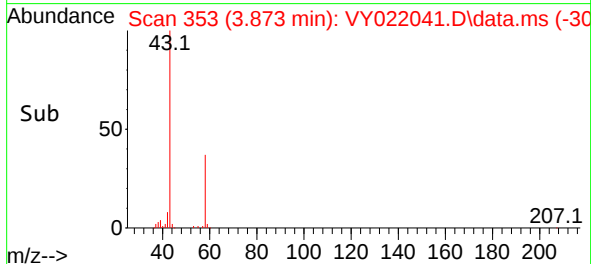
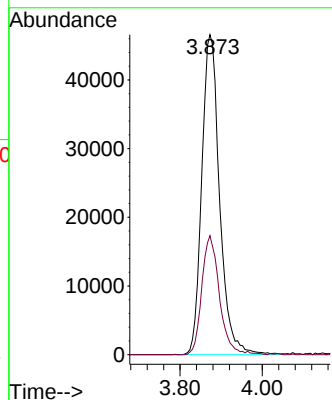
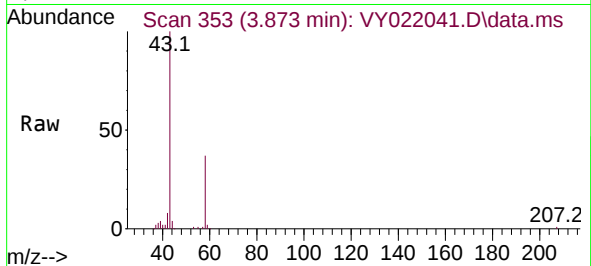




#16
Acetone
Concen: 404.775 ug/l
RT: 3.873 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY022041.D
Acq: 28 Apr 2025 18:59

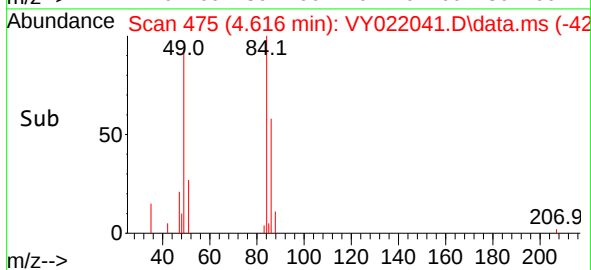
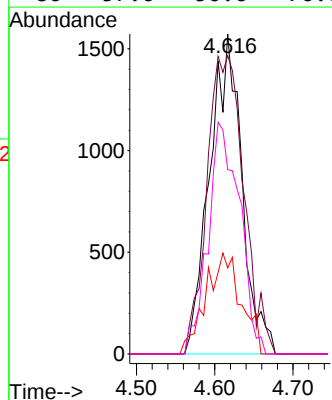
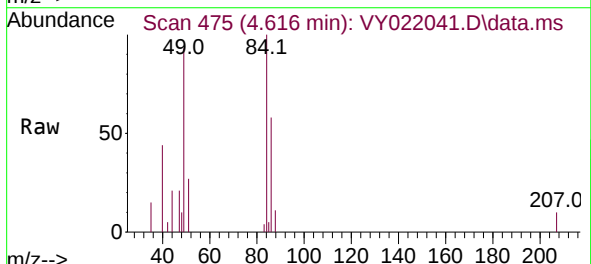
Instrument :
MSVOA_Y
ClientSampleId :
AUD-25-0053

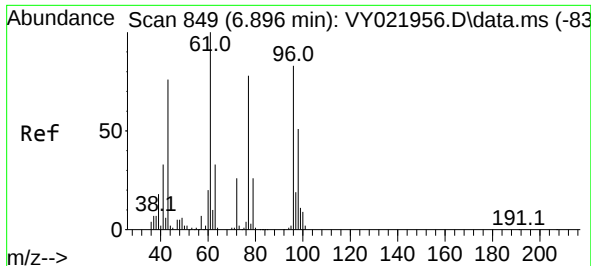
Tgt Ion: 43 Resp: 140248
Ion Ratio Lower Upper
43 100
58 37.2 27.0 40.4



#20
Methylene Chloride
Concen: 1.303 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY022041.D
Acq: 28 Apr 2025 18:59

Tgt Ion: 84 Resp: 4510
Ion Ratio Lower Upper
84 100
49 93.3 79.9 119.9
51 26.9 25.4 38.0
86 57.6 50.6 76.0





#25

2-Butanone

Concen: 1.783 ug/l

RT: 6.897 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY022041.D

Acq: 28 Apr 2025 18:59

Instrument :

MSVOA_Y

ClientSampleId :

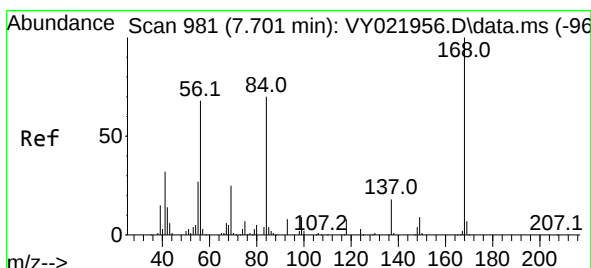
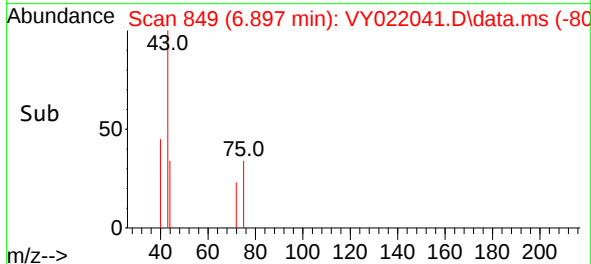
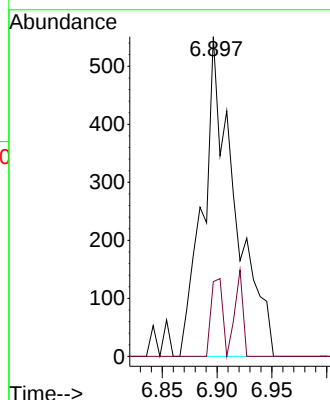
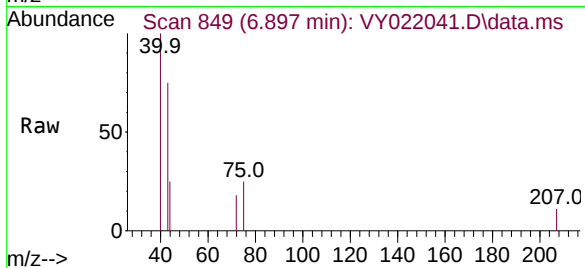
AUD-25-0053

Tgt Ion: 43 Resp: 1112

Ion Ratio Lower Upper

43 100

72 23.4 27.0 40.4#



#31

Cyclohexane

Concen: 1.160 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY022041.D

Acq: 28 Apr 2025 18:59

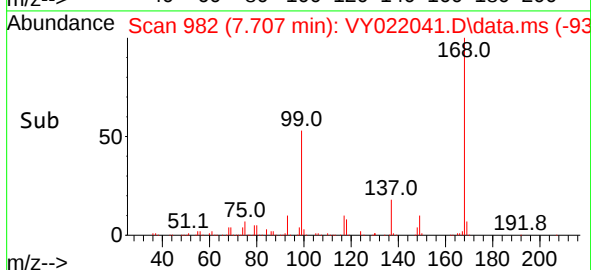
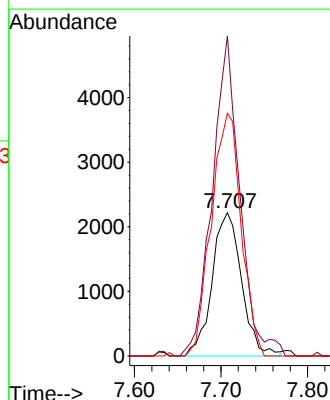
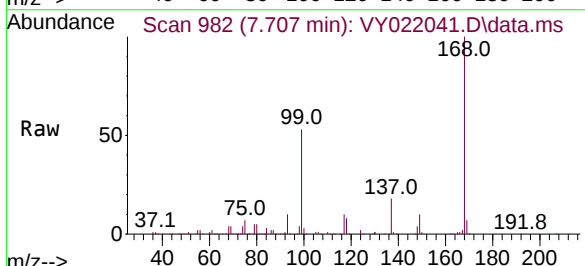
Tgt Ion: 56 Resp: 5247

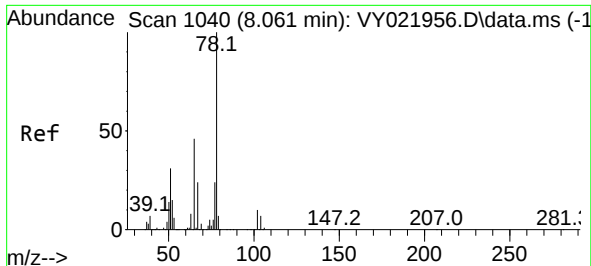
Ion Ratio Lower Upper

56 100

69 223.4 29.4 44.2#

84 169.4 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 53.589 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022041.D

Acq: 28 Apr 2025 18:59

Instrument :

MSVOA_Y

ClientSampleId :

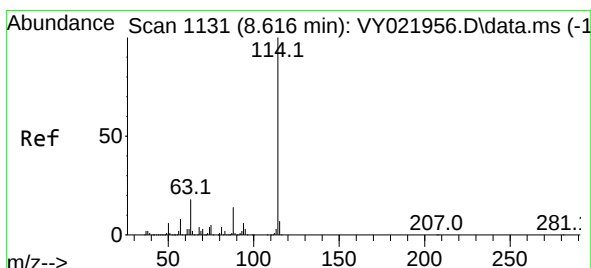
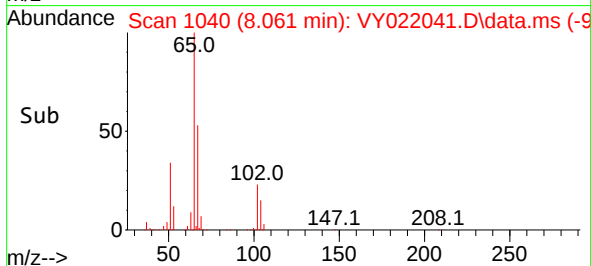
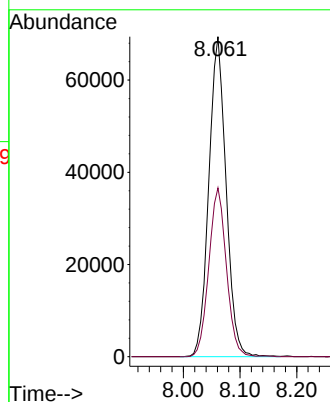
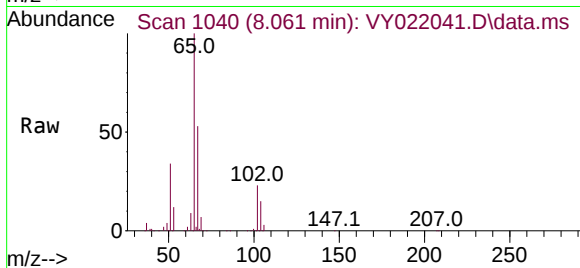
AUD-25-0053

Tgt Ion: 65 Resp: 146646

Ion Ratio Lower Upper

65 100

67 53.7 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022041.D

Acq: 28 Apr 2025 18:59

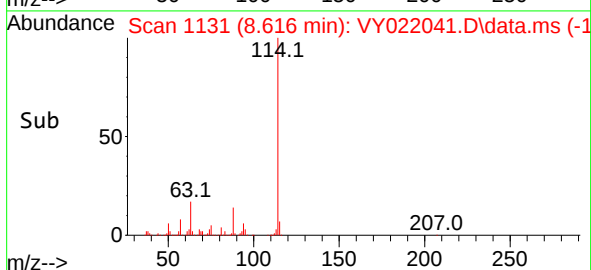
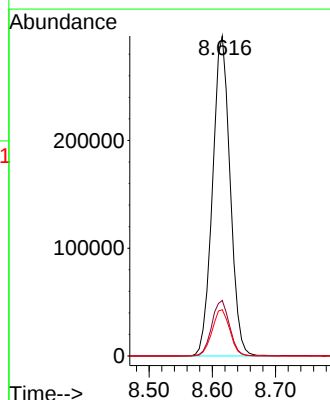
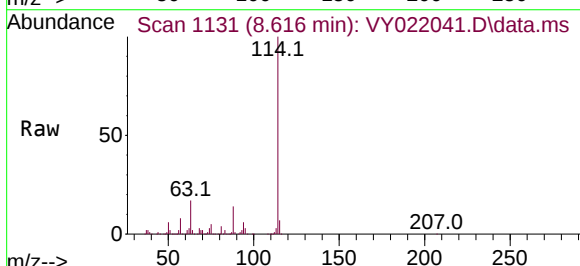
Tgt Ion: 114 Resp: 570380

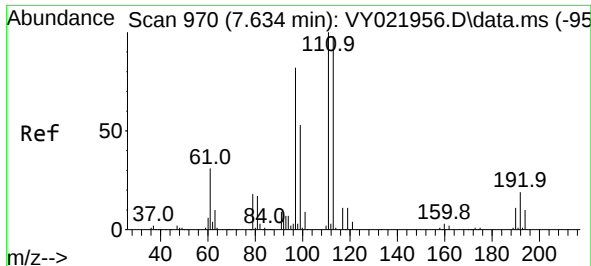
Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.4

88 14.4 0.0 28.2

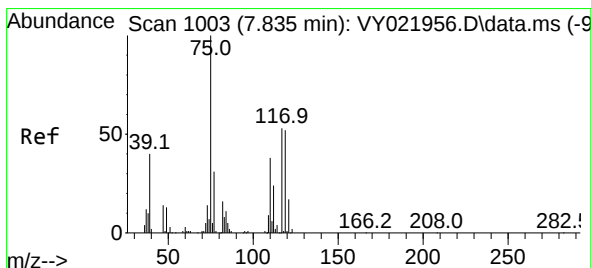
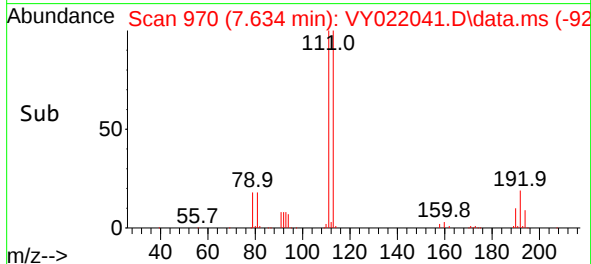
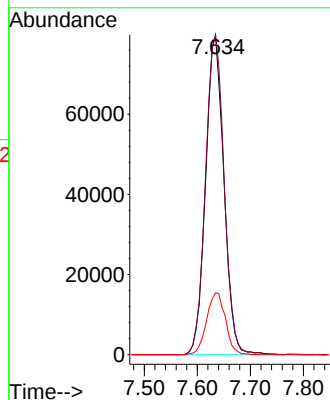
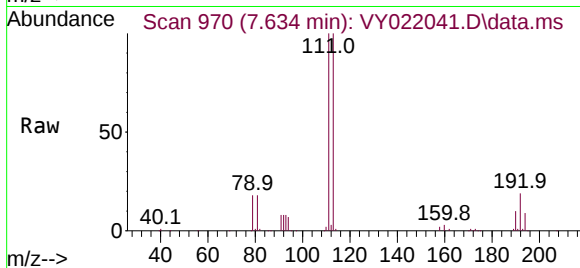




#35
Dibromofluoromethane
Concen: 50.633 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022041.D
Acq: 28 Apr 2025 18:59

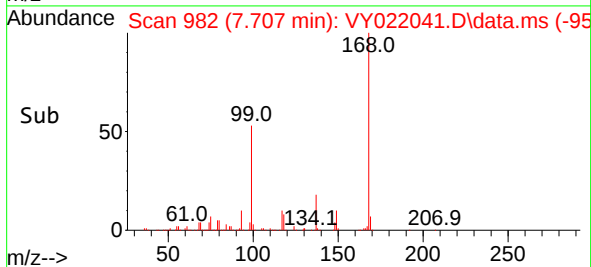
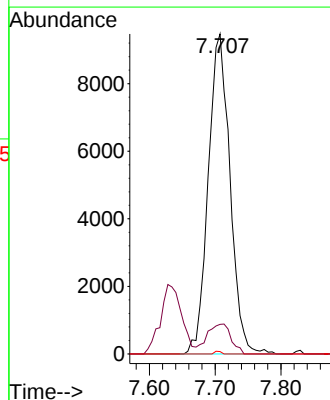
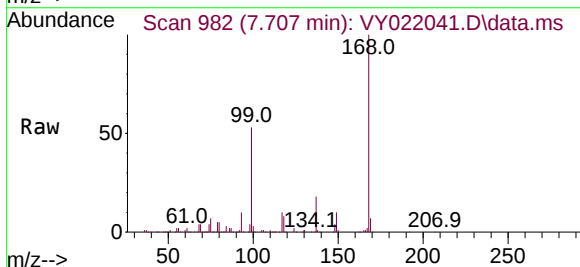
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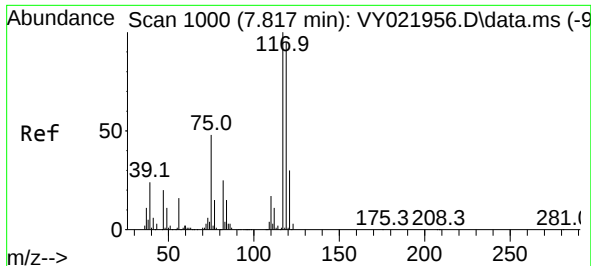
Tgt Ion:113 Resp: 190798
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.8
192 20.0 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.308 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022041.D
Acq: 28 Apr 2025 18:59

Tgt Ion: 75 Resp: 21807
Ion Ratio Lower Upper
75 100
110 10.3 19.1 57.3#
77 0.3 25.5 38.3#

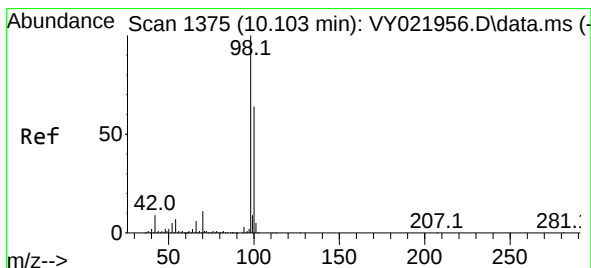
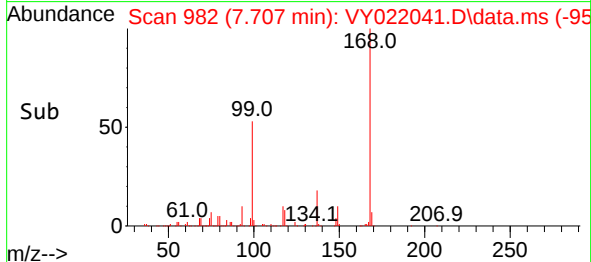
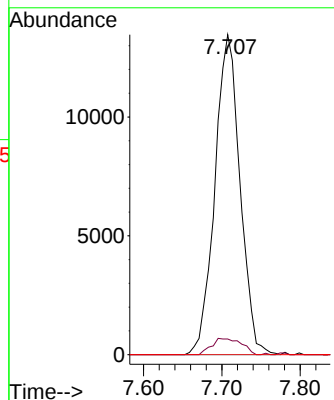
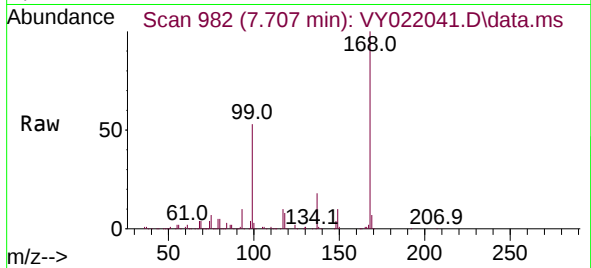




#38
Carbon Tetrachloride
Concen: 4.971 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022041.D
Acq: 28 Apr 2025 18:59

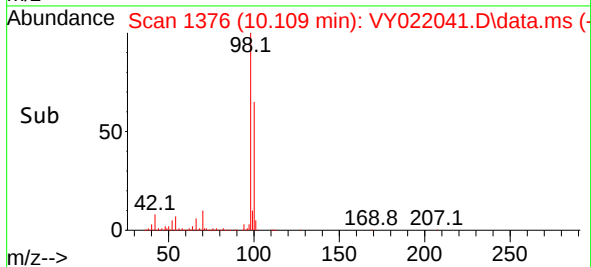
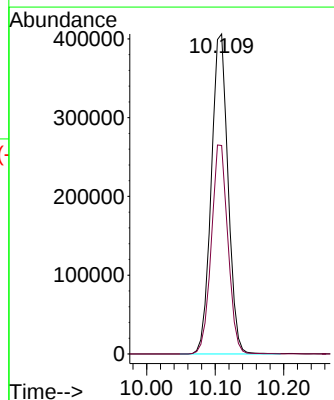
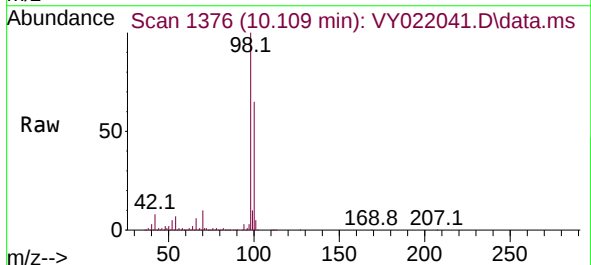
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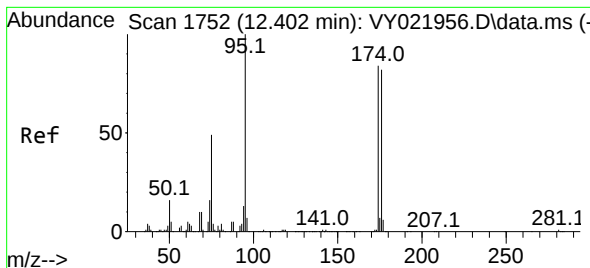
Tgt Ion:117 Resp: 30066
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.451 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022041.D
Acq: 28 Apr 2025 18:59

Tgt Ion: 98 Resp: 688311
Ion Ratio Lower Upper
98 100
100 64.8 51.6 77.4

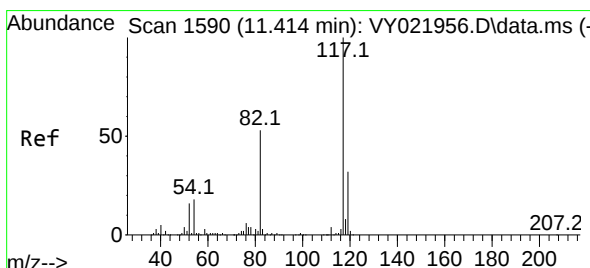
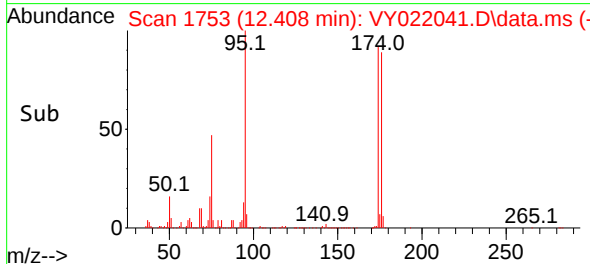
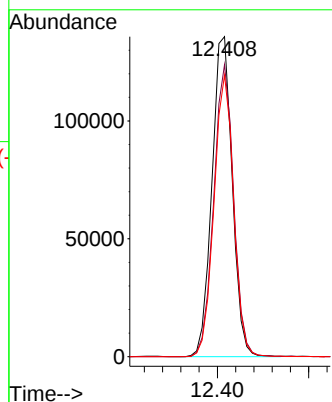
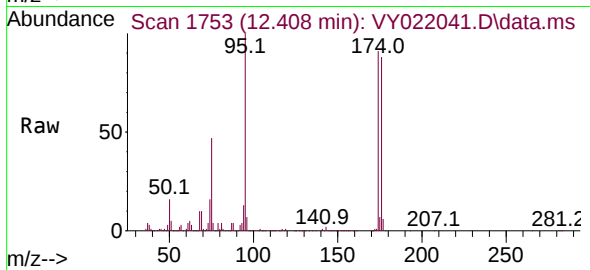




#62
4-Bromofluorobenzene
Concen: 43.757 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022041.D
Acq: 28 Apr 2025 18:59

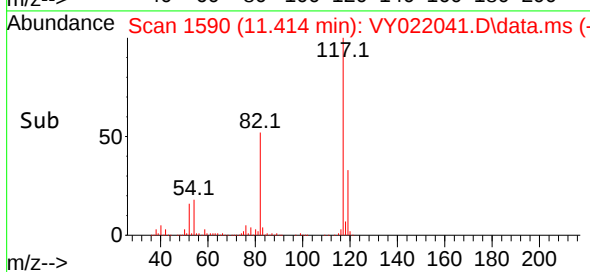
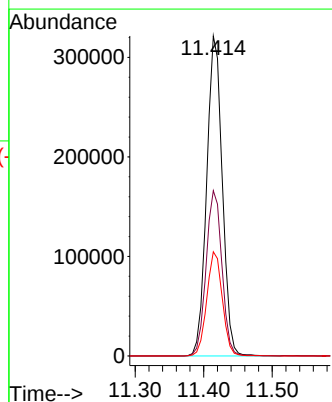
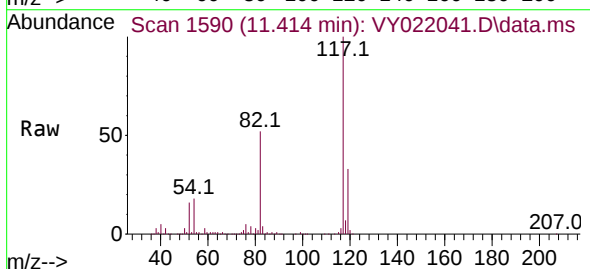
Instrument :
MSVOA_Y
ClientSampleId :
AUD-25-0053

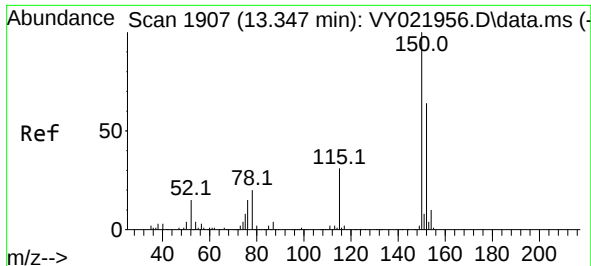
Tgt Ion: 95 Resp: 209262
Ion Ratio Lower Upper
95 100
174 89.4 0.0 179.0
176 85.4 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022041.D
Acq: 28 Apr 2025 18:59

Tgt Ion: 117 Resp: 510534
Ion Ratio Lower Upper
117 100
82 51.7 42.1 63.1
119 32.6 25.7 38.5

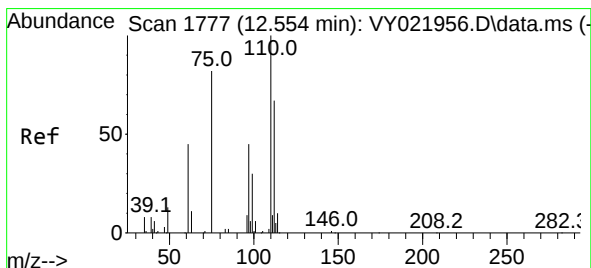
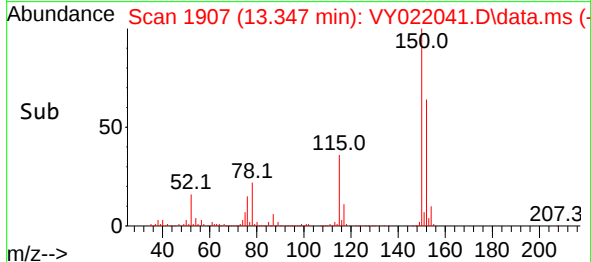
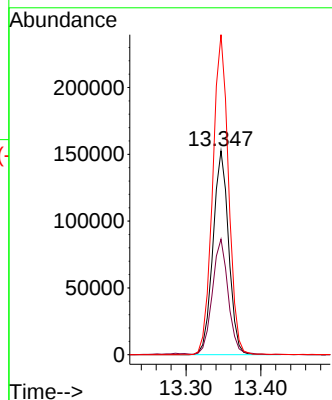
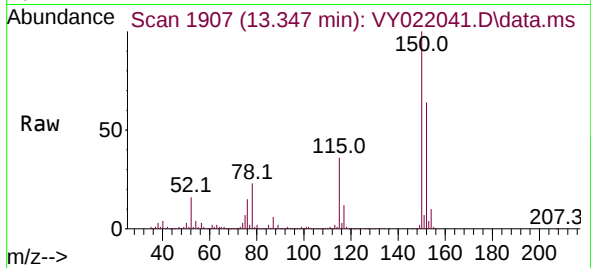




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022041.D
 Acq: 28 Apr 2025 18:59

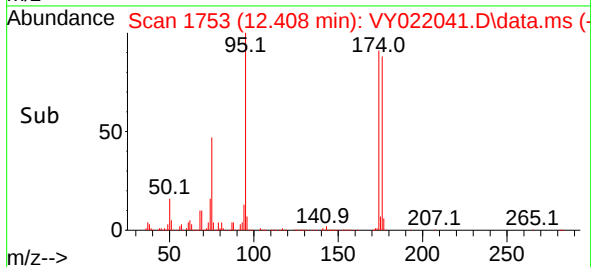
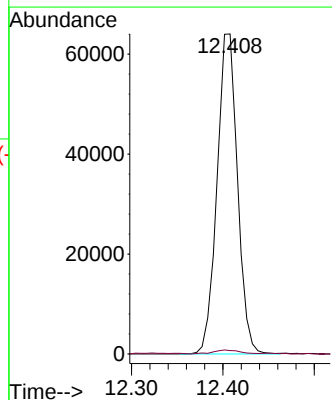
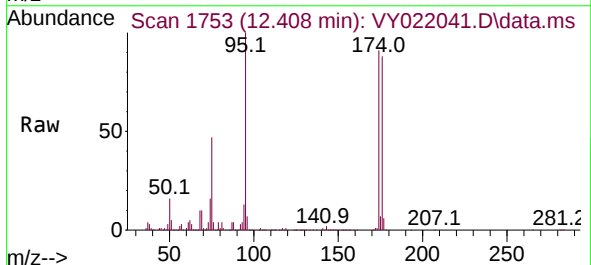
Instrument :
 MSVOA_Y
 ClientSampleId :
 AUD-25-0053

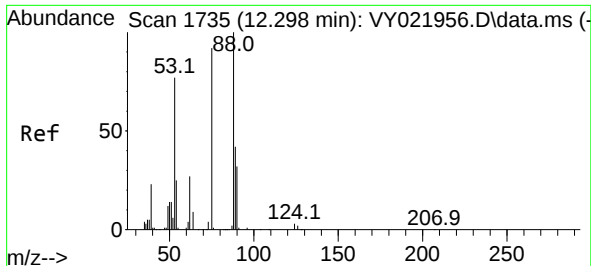
Tgt Ion:152 Resp: 222586
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.0 84.0
 150 158.8 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 52.412 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY022041.D
 Acq: 28 Apr 2025 18:59

Tgt Ion: 75 Resp: 99927
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

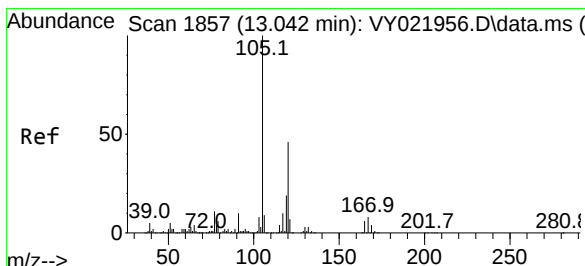
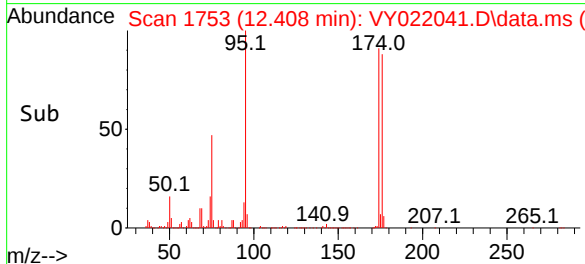
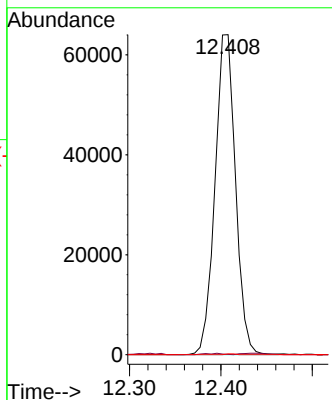
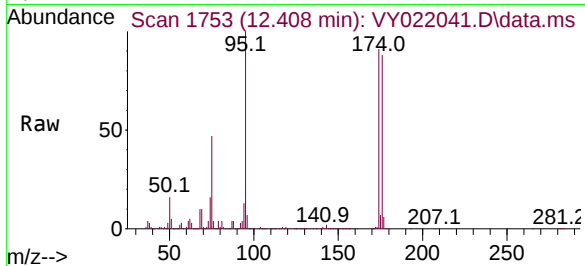




#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.216 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.110 min
 Lab File: VY022041.D
 Acq: 28 Apr 2025 18:59

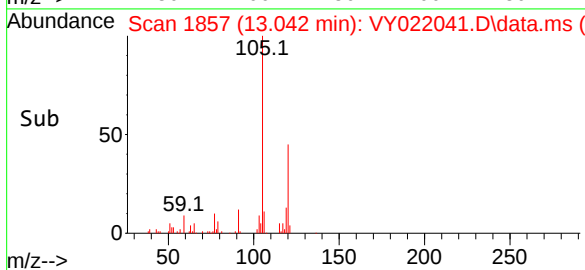
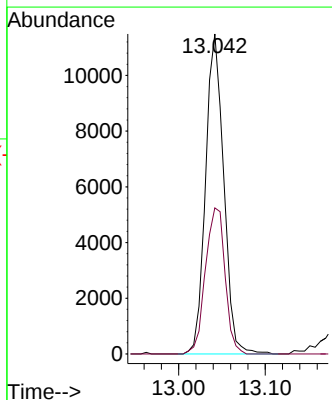
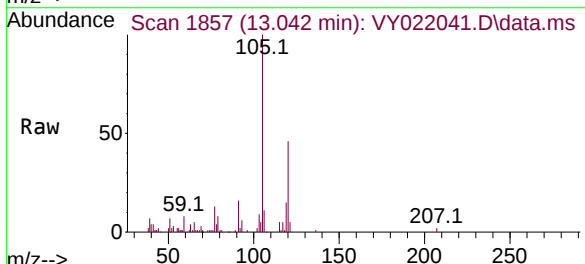
Instrument :
 MSVOA_Y
 ClientSampleId :
 AUD-25-0053

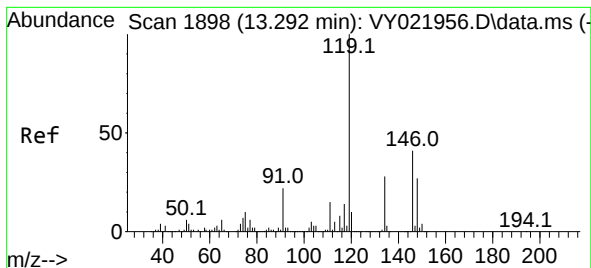
Tgt Ion: 75 Resp: 99927
 Ion Ratio Lower Upper
 75 100
 53 0.4 66.0 99.0#
 89 0.1 37.2 55.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.365 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. 0.000 min
 Lab File: VY022041.D
 Acq: 28 Apr 2025 18:59

Tgt Ion: 105 Resp: 16730
 Ion Ratio Lower Upper
 105 100
 120 49.3 23.4 70.0





#86

p-Isopropyltoluene

Concen: 1.209 ug/l

RT: 13.292 min Scan# 119

Delta R.T. 0.000 min

Lab File: VY022041.D

Acq: 28 Apr 2025 18:59

Instrument :

MSVOA_Y

ClientSampleId :

AUD-25-0053

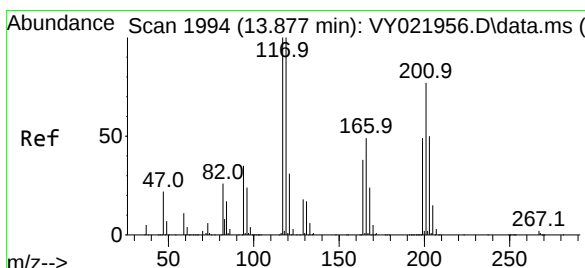
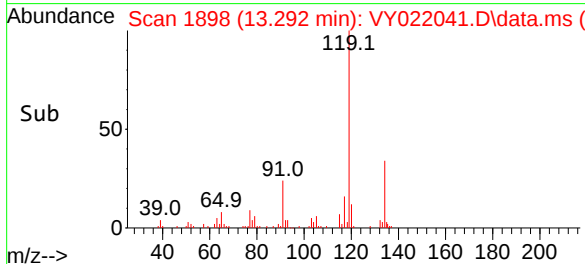
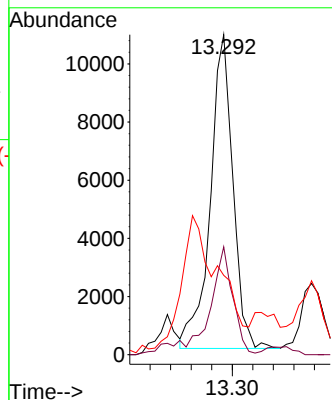
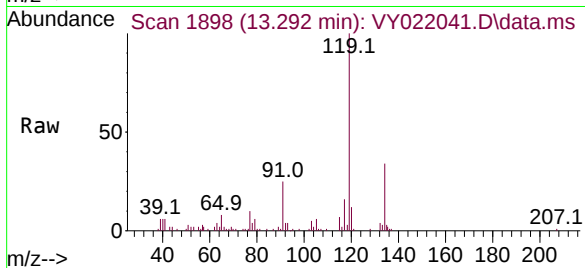
Tgt Ion:119 Resp: 16507

Ion Ratio Lower Upper

119 100

134 34.7 13.6 40.7

91 0.0 11.0 33.0#



#90

Hexachloroethane

Concen: 2.105 ug/l

RT: 13.889 min Scan# 1996

Delta R.T. 0.012 min

Lab File: VY022041.D

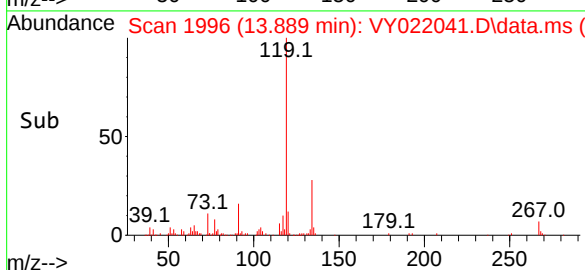
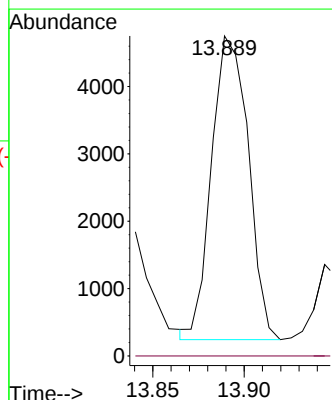
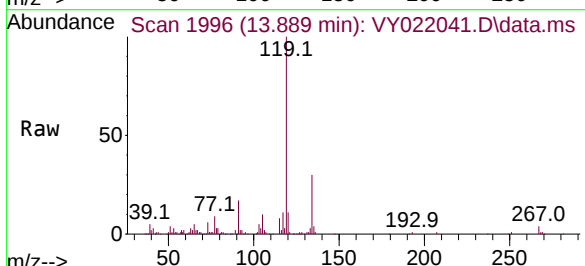
Acq: 28 Apr 2025 18:59

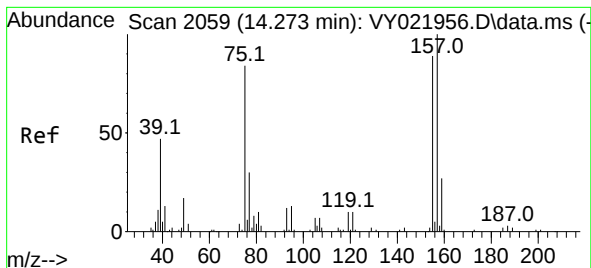
Tgt Ion:117 Resp: 6316

Ion Ratio Lower Upper

117 100

201 0.0 38.7 116.1#

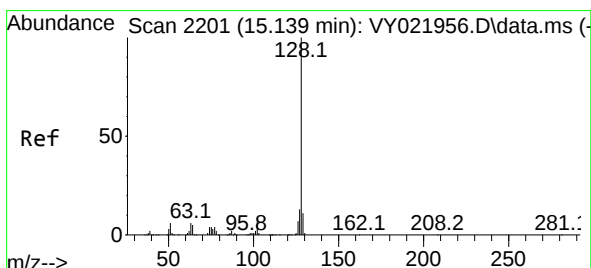
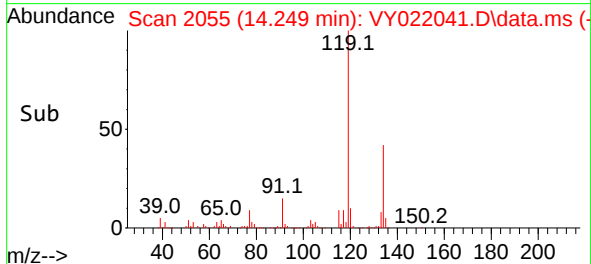
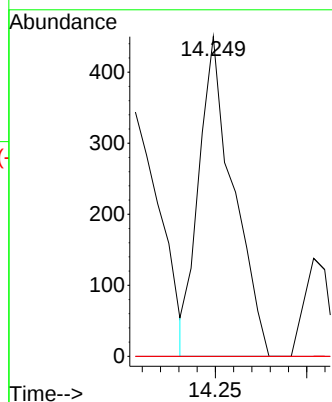
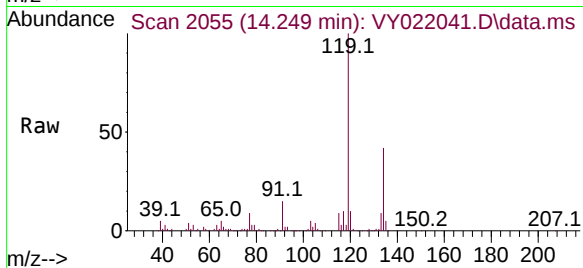




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.477 ug/l
 RT: 14.249 min Scan# 2055
 Delta R.T. -0.024 min
 Lab File: VY022041.D
 Acq: 28 Apr 2025 18:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 AUD-25-0053

Tgt Ion: 75 Resp: 589
 Ion Ratio Lower Upper
 75 100
 155 0.0 50.7 152.3#
 157 0.0 62.6 187.8#



#95
 Naphthalene
 Concen: 23.231 ug/l
 RT: 15.145 min Scan# 2202
 Delta R.T. 0.006 min
 Lab File: VY022041.D
 Acq: 28 Apr 2025 18:59

Tgt Ion: 128 Resp: 145568
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.6 16.0
 129 11.1 8.9 13.3

