

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030824\
 Data File : VY017620.D
 Acq On : 08 Mar 2024 12:58
 Operator : SY/MD
 Sample : P1706-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AUD-1333

Quant Time: Mar 08 22:23:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

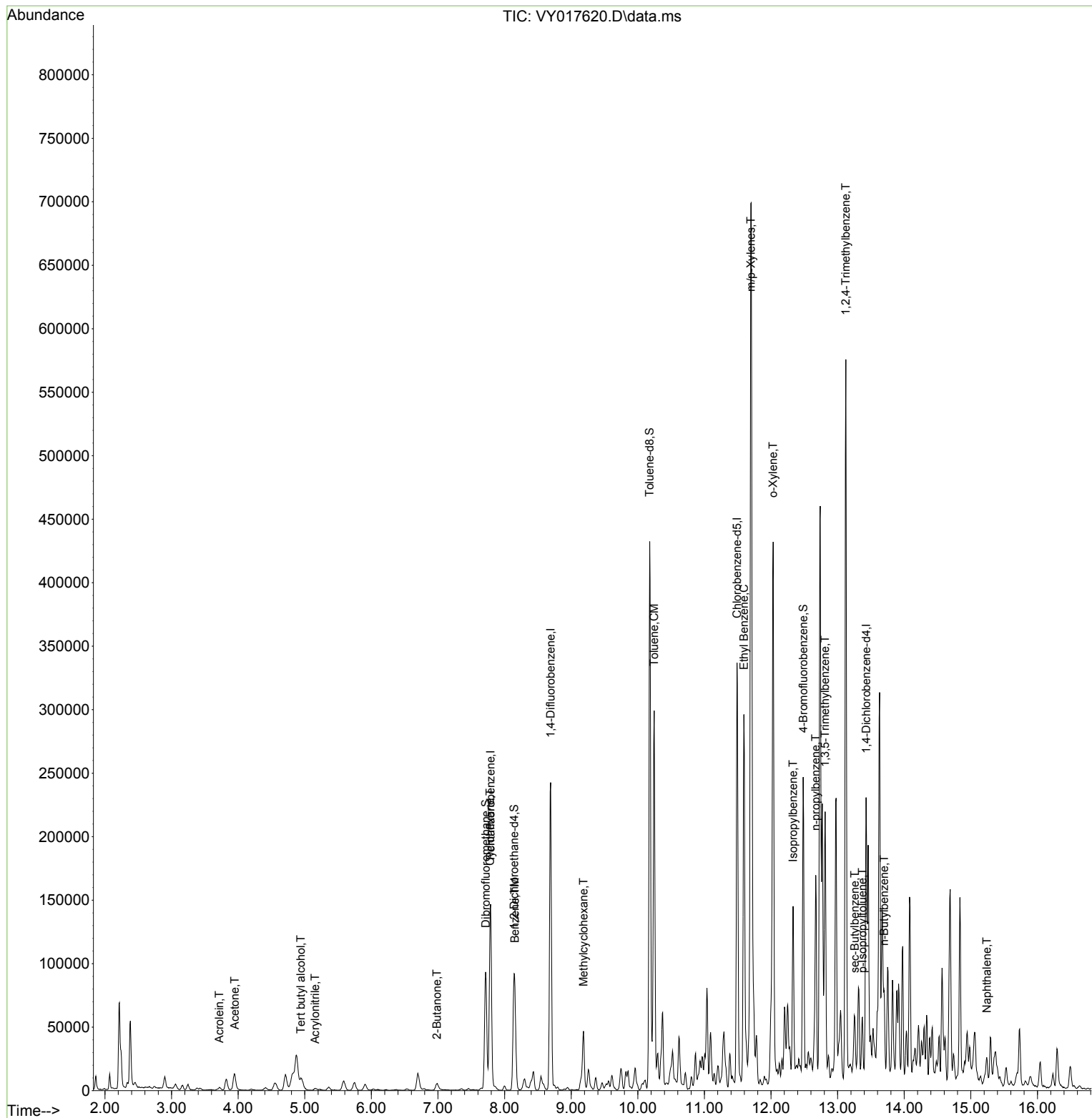
Internal Standards						
1) Pentafluorobenzene	7.789	168	118946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	218597	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	191194	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	56978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	55299	49.055	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.100%
35) Dibromofluoromethane	7.716	113	68051	44.675	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.340%
50) Toluene-d8	10.179	98	260435	48.900	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.800%
62) 4-Bromofluorobenzene	12.483	95	67483	40.318	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.640%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	17482	182.568	ug/l #	81
13) Acrolein	3.716	56	2495	19.747	ug/l #	64
15) Acrylonitrile	5.155	53	1905	7.538	ug/l	89
16) Acetone	3.948	43	23242	106.299	ug/l	92
25) 2-Butanone	6.984	43	5382	17.272	ug/l #	84
31) Cyclohexane	7.783	56	4214	2.297	ug/l #	43
39) Methylcyclohexane	9.185	83	18652	7.552	ug/l	97
40) Benzene	8.155	78	40451	6.628	ug/l	99
52) Toluene	10.246	92	124503	32.358	ug/l	100
67) Ethyl Benzene	11.593	91	194867	27.380	ug/l	98
68) m/p-Xylenes	11.697	106	212568	76.009	ug/l	100
69) o-Xylene	12.032	106	111283	42.892	ug/l	100
73) Isopropylbenzene	12.331	105	82369	19.458	ug/l	99
78) n-propylbenzene	12.672	91	121955	24.010	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	76653	22.602	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	300263	89.681	ug/l	99
85) sec-Butylbenzene	13.257	105	27996	6.149	ug/l	86
86) p-Isopropyltoluene	13.373	119	24880	6.675	ug/l	98
89) n-Butylbenzene	13.696	91	41772	12.284	ug/l #	73
95) Naphthalene	15.239	128	16428	12.414	ug/l	100

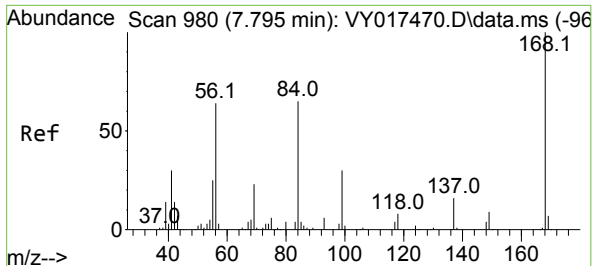
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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AUD-1333

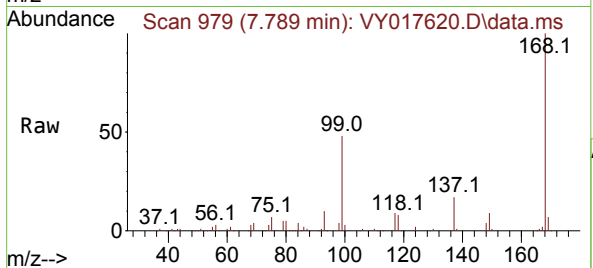
Quant Time: Mar 08 22:23:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
Quant Title : SW846 8260
QLast Update : Sat Feb 24 04:41:20 2024
Response via : Initial Calibration



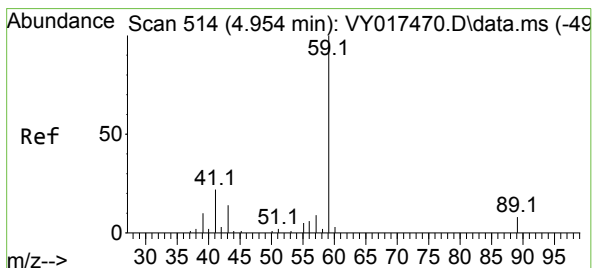
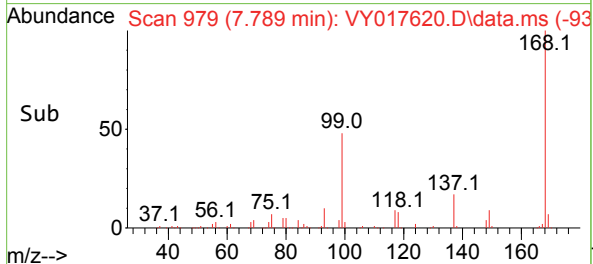
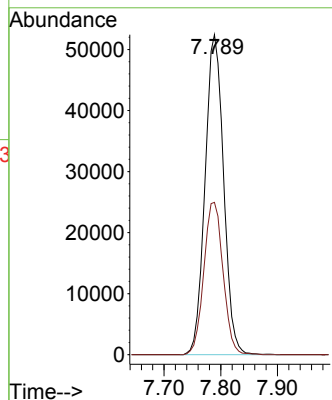


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017620.D
Acq: 08 Mar 2024 12:58

Instrument :
MSVOA_Y
ClientSampleId :
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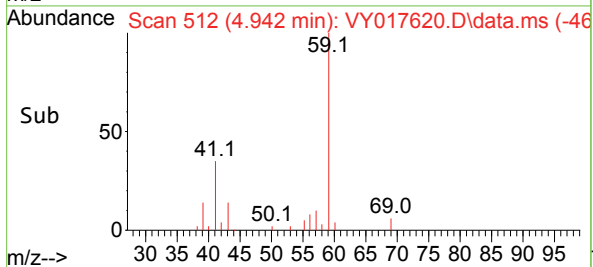
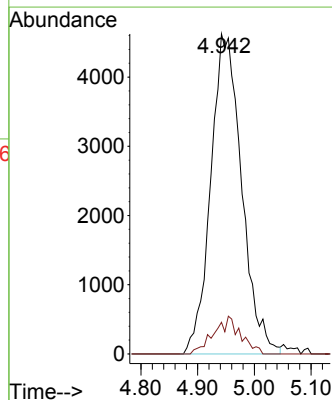
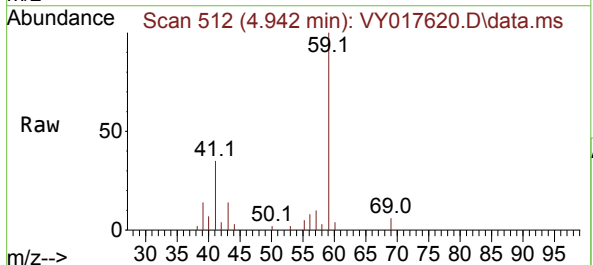


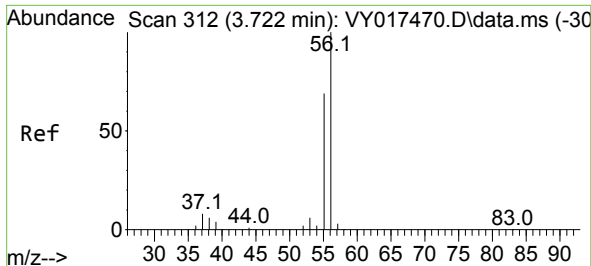
Tgt Ion:168 Resp: 118946
Ion Ratio Lower Upper
168 100
99 47.6 39.1 58.7



#11
Tert butyl alcohol
Concen: 182.568 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY017620.D
Acq: 08 Mar 2024 12:58

Tgt Ion: 59 Resp: 17482
Ion Ratio Lower Upper
59 100
57 10.2 3.0 4.6#

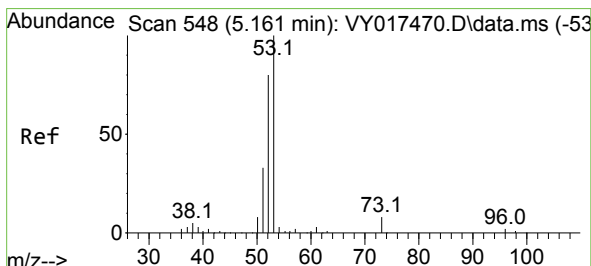
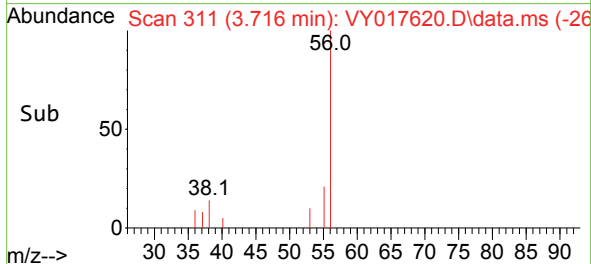
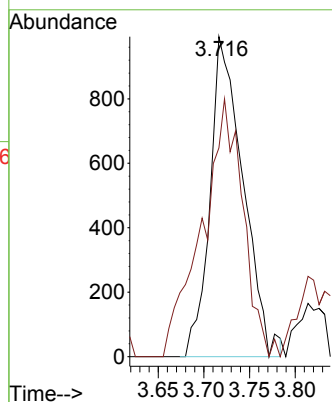
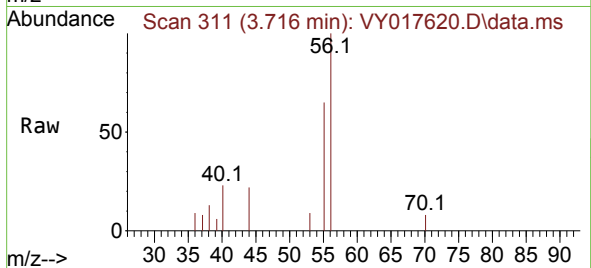




#13
Acrolein
Concen: 19.747 ug/l
RT: 3.716 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY017620.D
Acq: 08 Mar 2024 12:58

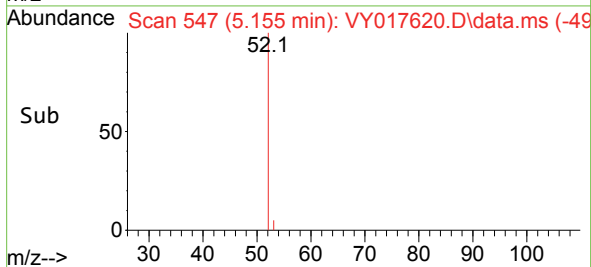
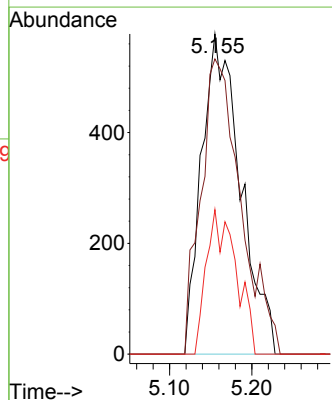
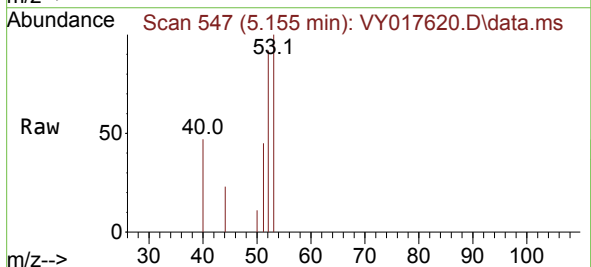
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1333

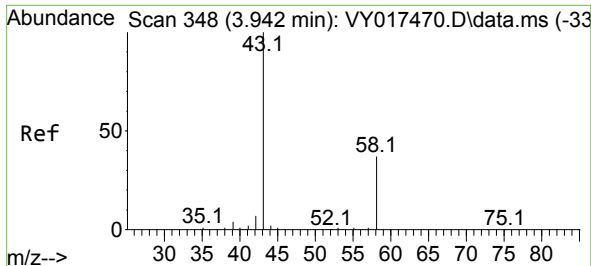
Tgt Ion: 56 Resp: 2495
Ion Ratio Lower Upper
56 100
55 98.8 55.7 83.5#



#15
Acrylonitrile
Concen: 7.538 ug/l
RT: 5.155 min Scan# 547
Delta R.T. -0.006 min
Lab File: VY017620.D
Acq: 08 Mar 2024 12:58

Tgt Ion: 53 Resp: 1905
Ion Ratio Lower Upper
53 100
52 94.5 64.7 97.1
51 34.4 28.4 42.6





#16

Acetone

Concen: 106.299 ug/l

RT: 3.948 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY017620.D

Acq: 08 Mar 2024 12:58

Instrument :

MSVOA_Y

ClientSampleId :

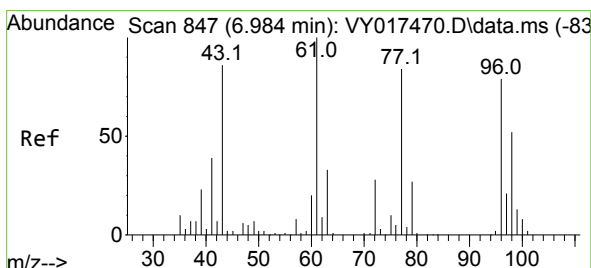
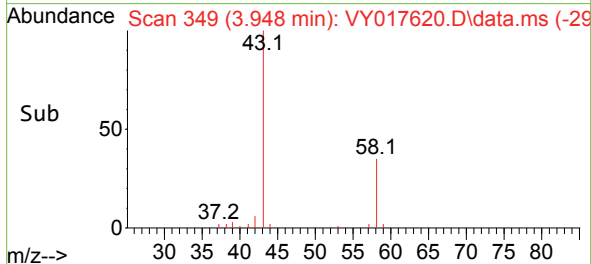
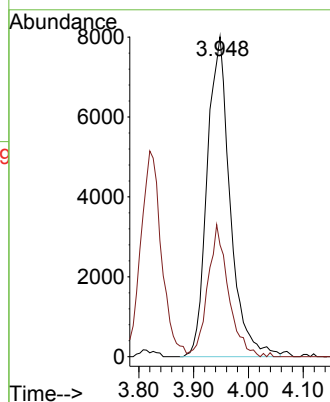
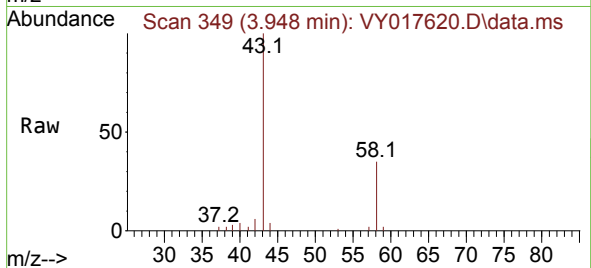
AUD-1333

Tgt Ion: 43 Resp: 23242

Ion Ratio Lower Upper

43 100

58 34.9 31.7 47.5



#25

2-Butanone

Concen: 17.272 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY017620.D

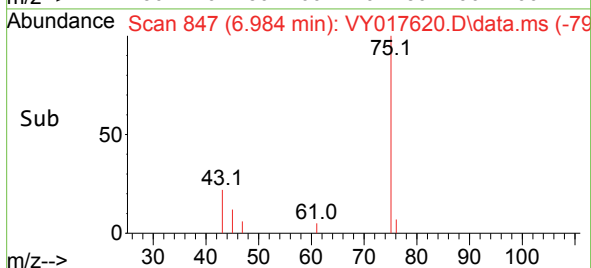
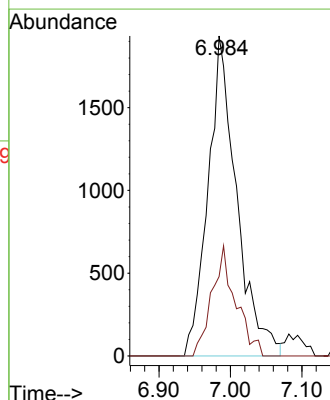
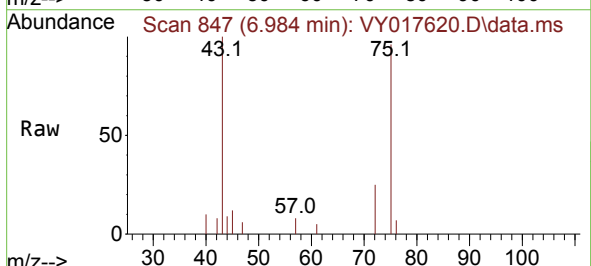
Acq: 08 Mar 2024 12:58

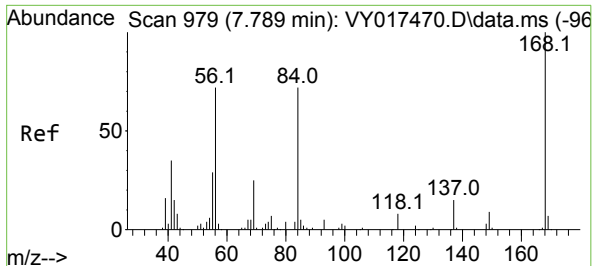
Tgt Ion: 43 Resp: 5382

Ion Ratio Lower Upper

43 100

72 24.8 27.3 40.9#

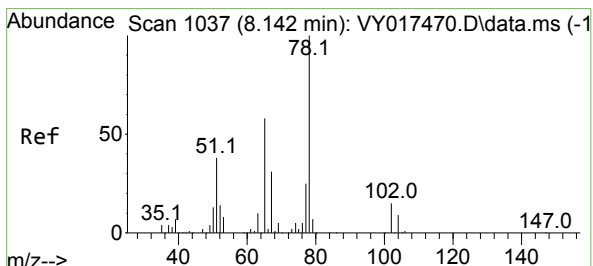
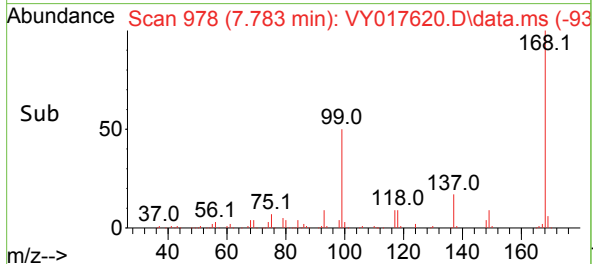
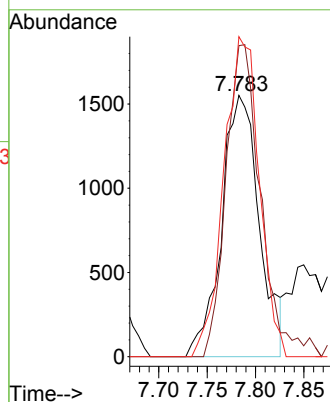
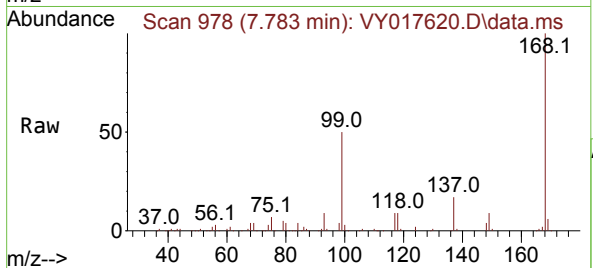




#31
Cyclohexane
Concen: 2.297 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017620.D
Acq: 08 Mar 2024 12:58

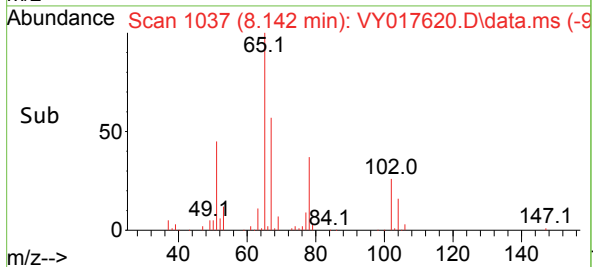
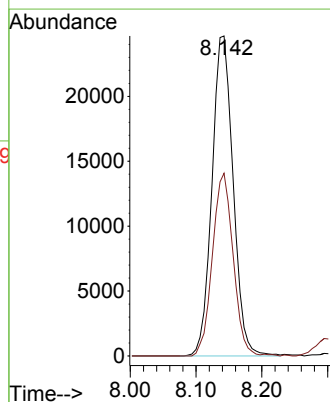
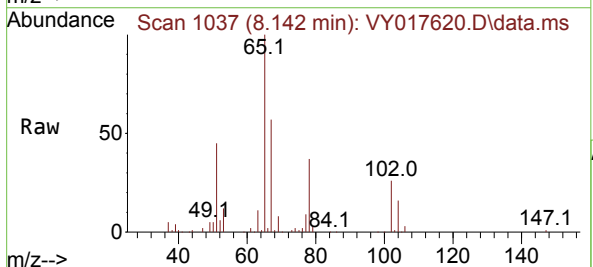
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1333

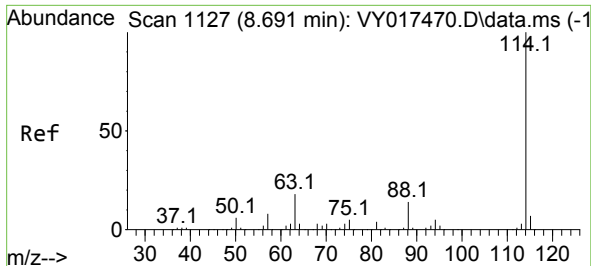
Tgt Ion: 56 Resp: 4214
Ion Ratio Lower Upper
56 100
69 119.1 28.7 43.1#
84 122.5 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 49.055 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY017620.D
Acq: 08 Mar 2024 12:58

Tgt Ion: 65 Resp: 55299
Ion Ratio Lower Upper
65 100
67 55.9 0.0 109.6

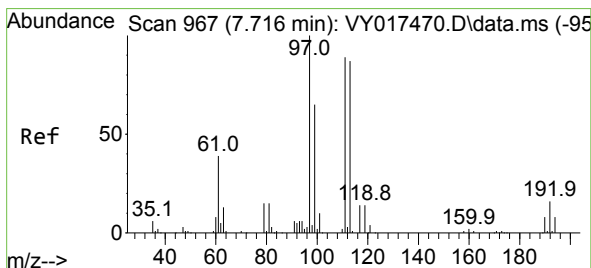
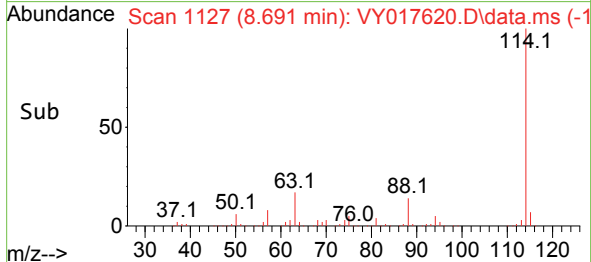
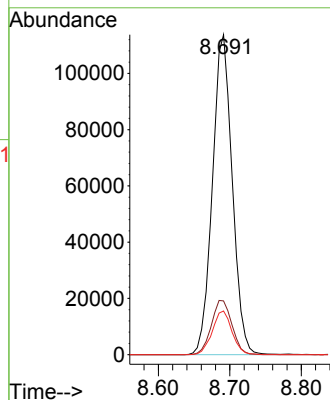
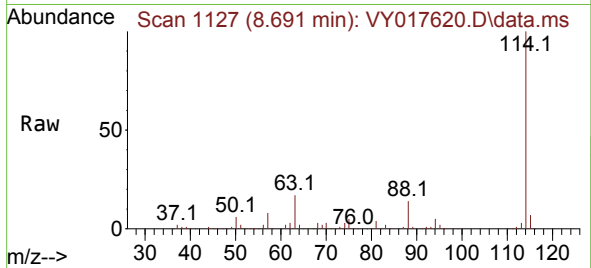




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY017620.D
Acq: 08 Mar 2024 12:58

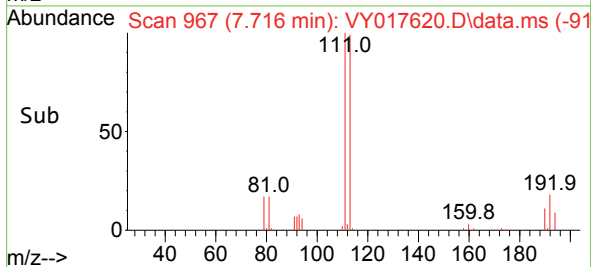
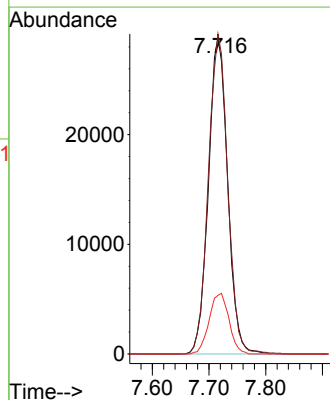
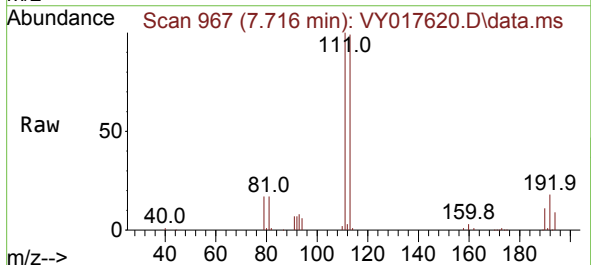
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MSVOA_Y
ClientSampleId :
AUD-1333

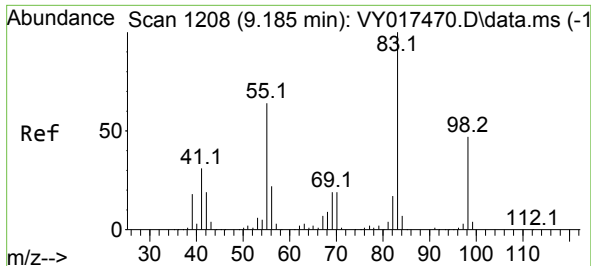
Tgt Ion:114 Resp: 218597
Ion Ratio Lower Upper
114 100
63 16.8 0.0 35.0
88 13.6 0.0 27.2



#35
Dibromofluoromethane
Concen: 44.675 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY017620.D
Acq: 08 Mar 2024 12:58

Tgt Ion:113 Resp: 68051
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.4
192 19.7 15.9 23.9





#39

Methylcyclohexane

Concen: 7.552 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017620.D

Acq: 08 Mar 2024 12:58

Instrument :

MSVOA_Y

ClientSampleId :

AUD-1333

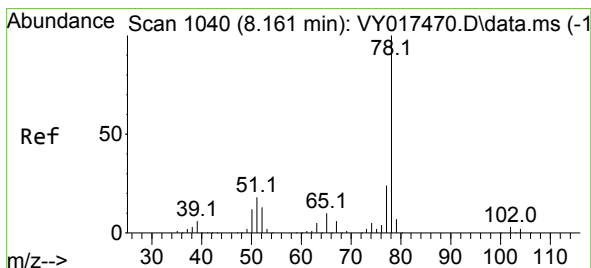
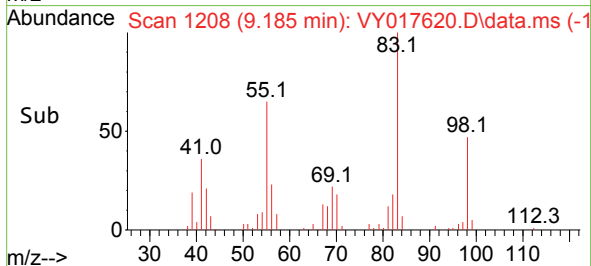
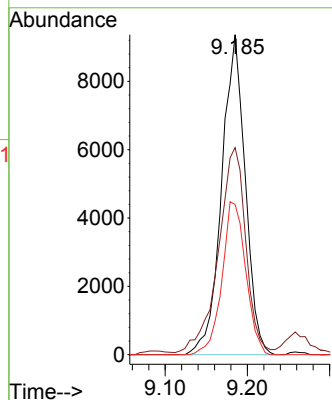
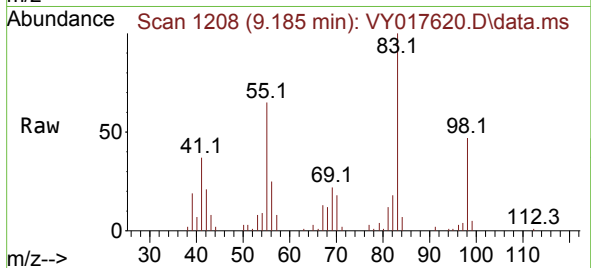
Tgt Ion: 83 Resp: 18652

Ion Ratio Lower Upper

83 100

55 63.5 51.5 77.3

98 46.9 40.5 60.7



#40

Benzene

Concen: 6.628 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY017620.D

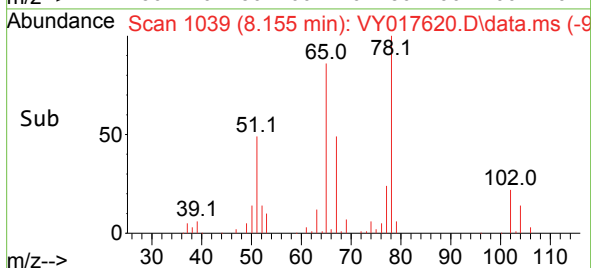
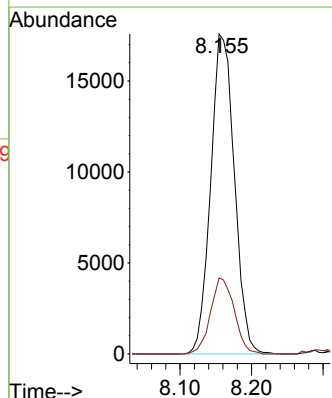
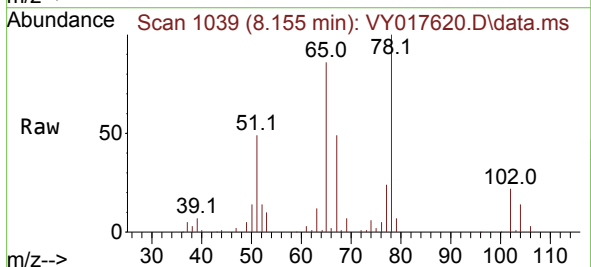
Acq: 08 Mar 2024 12:58

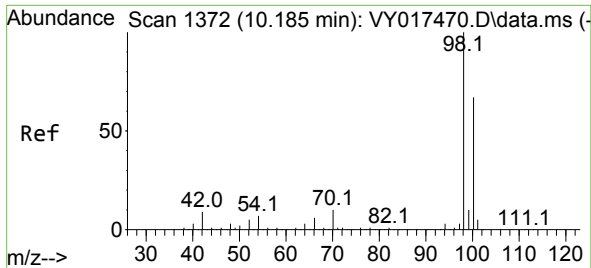
Tgt Ion: 78 Resp: 40451

Ion Ratio Lower Upper

78 100

77 23.7 19.5 29.3

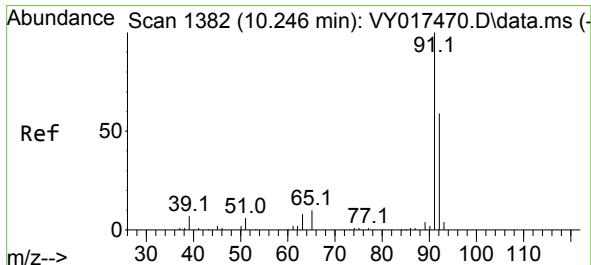
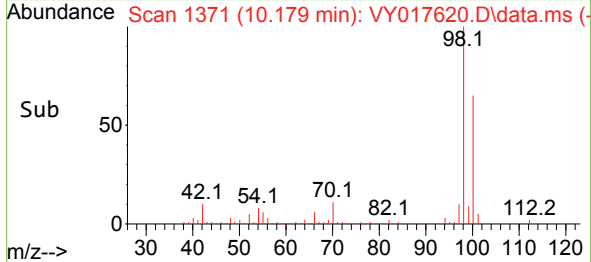
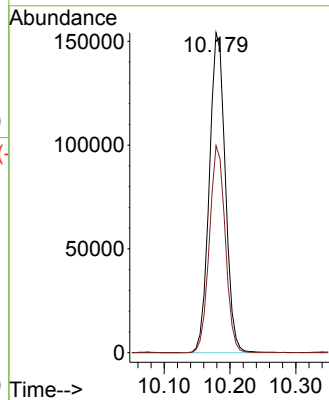
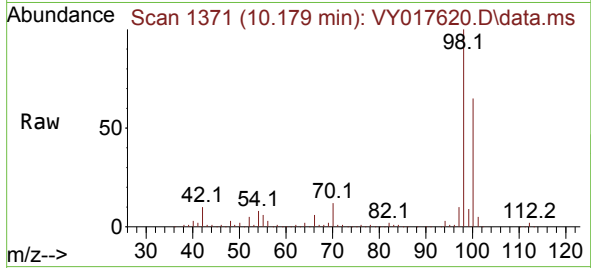




#50
Toluene-d8
Concen: 48.900 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY017620.D
Acq: 08 Mar 2024 12:58

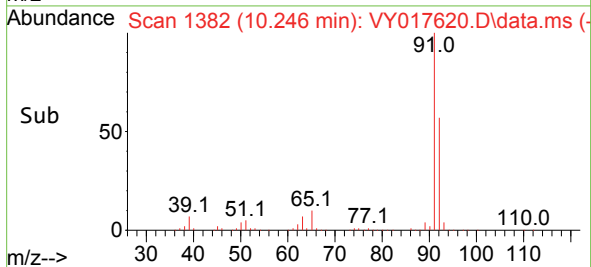
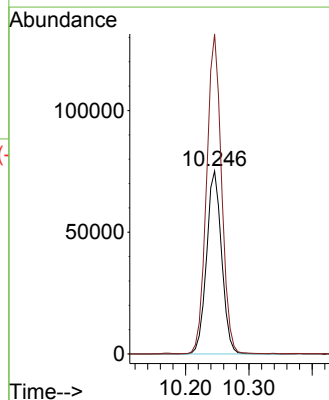
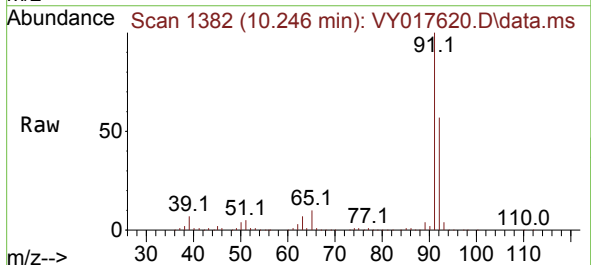
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1333

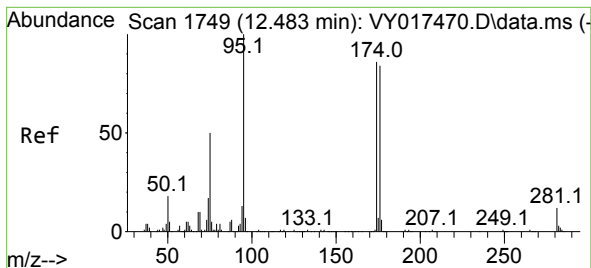
Tgt Ion: 98 Resp: 260435
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#52
Toluene
Concen: 32.358 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY017620.D
Acq: 08 Mar 2024 12:58

Tgt Ion: 92 Resp: 124503
Ion Ratio Lower Upper
92 100
91 173.1 139.0 208.6

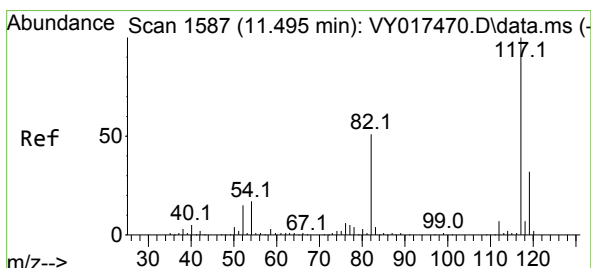
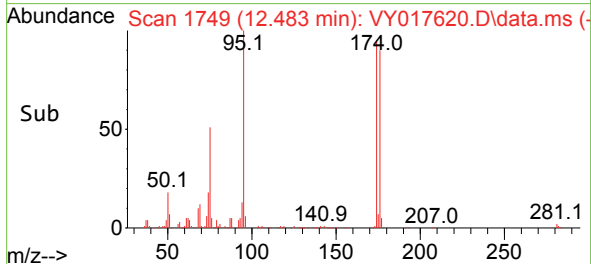
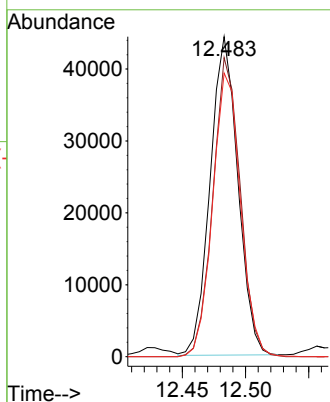
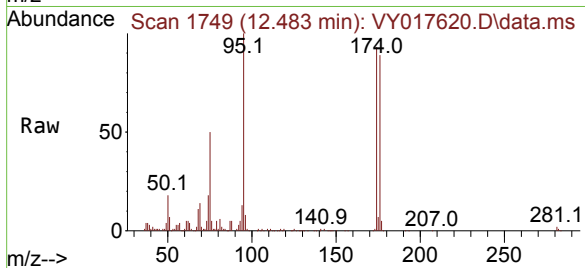




#62
4-Bromofluorobenzene
Concen: 40.318 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY017620.D
Acq: 08 Mar 2024 12:58

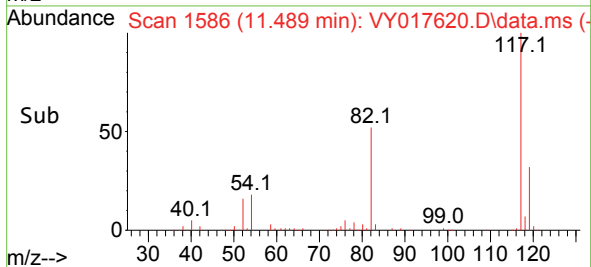
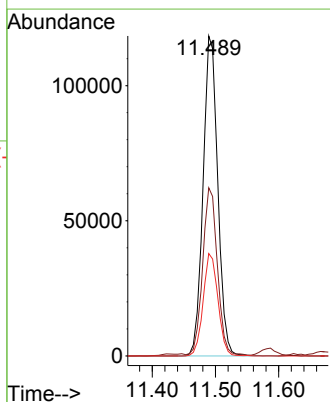
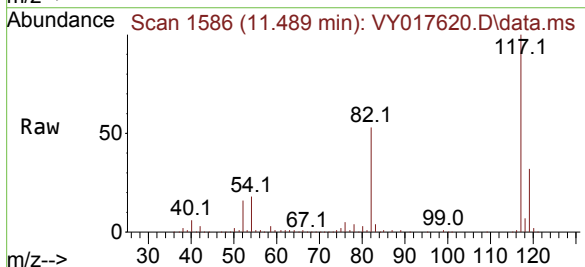
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1333

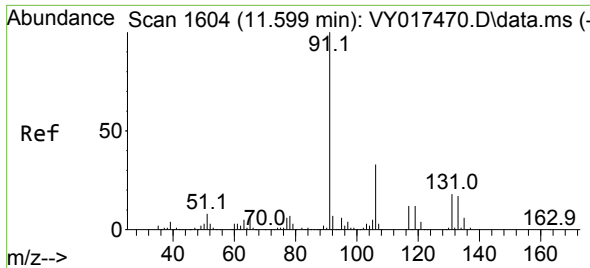
Tgt Ion: 95 Resp: 67483
Ion Ratio Lower Upper
95 100
174 92.5 0.0 175.6
176 89.7 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY017620.D
Acq: 08 Mar 2024 12:58

Tgt Ion: 117 Resp: 191194
Ion Ratio Lower Upper
117 100
82 52.0 42.4 63.6
119 32.0 25.9 38.9

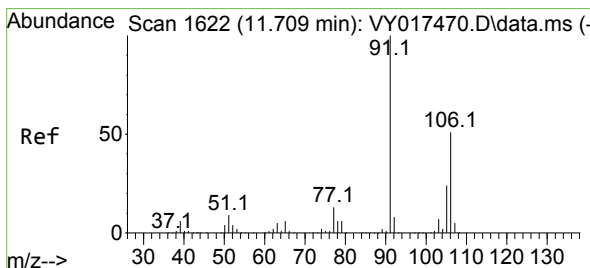
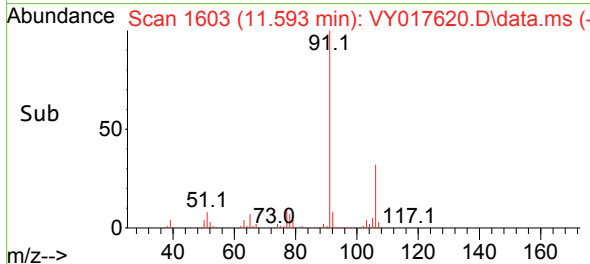
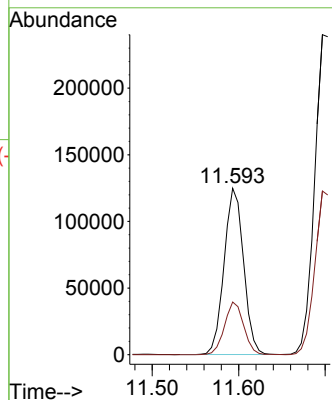
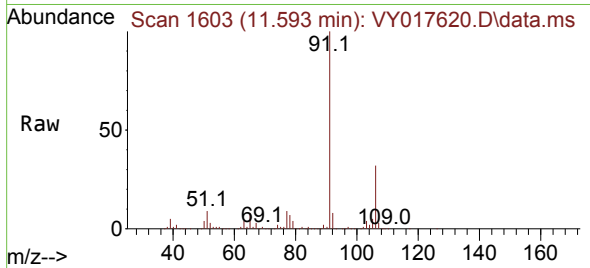




#67
Ethyl Benzene
Concen: 27.380 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY017620.D
Acq: 08 Mar 2024 12:58

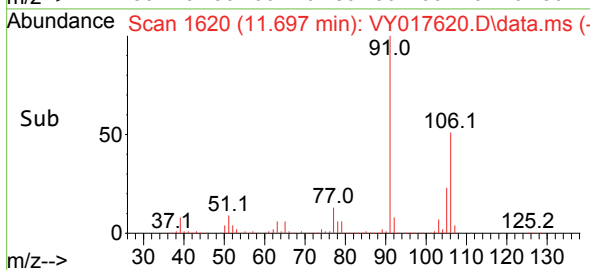
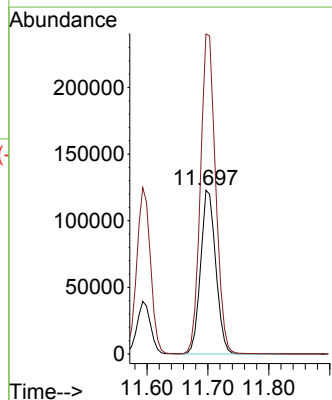
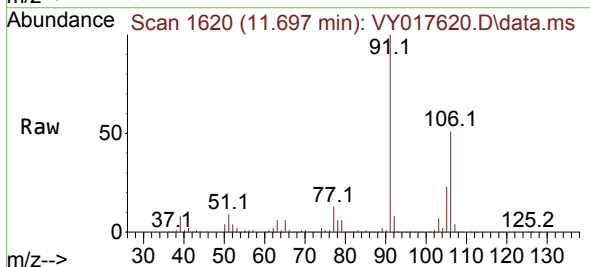
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1333

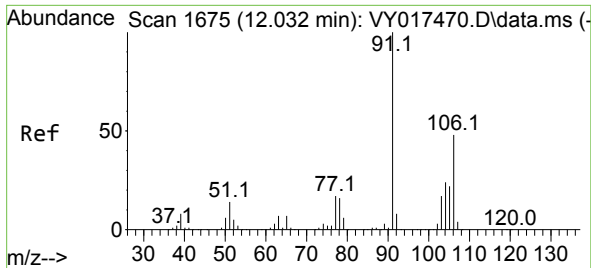
Tgt Ion: 91 Resp: 194867
Ion Ratio Lower Upper
91 100
106 31.6 24.5 36.7



#68
m/p-Xylenes
Concen: 76.009 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.012 min
Lab File: VY017620.D
Acq: 08 Mar 2024 12:58

Tgt Ion: 106 Resp: 212568
Ion Ratio Lower Upper
106 100
91 195.4 156.0 234.0

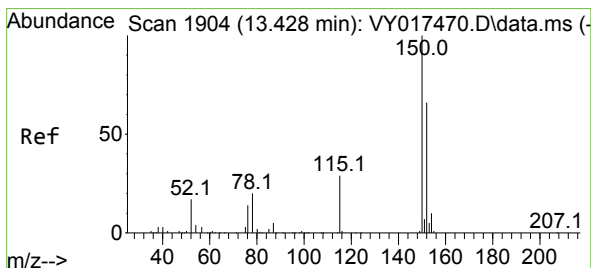
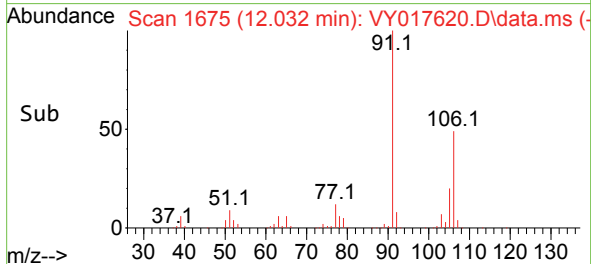
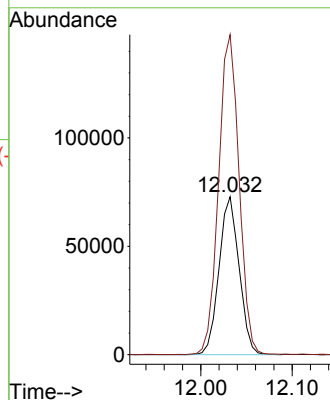
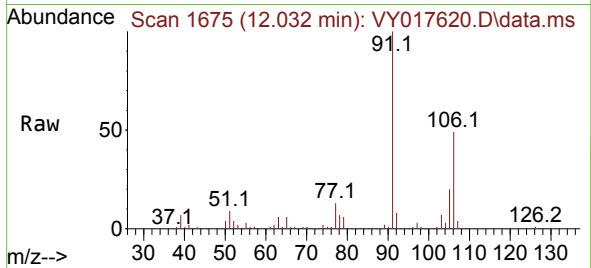




#69
o-Xylene
Concen: 42.892 ug/l
RT: 12.032 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY017620.D
Acq: 08 Mar 2024 12:58

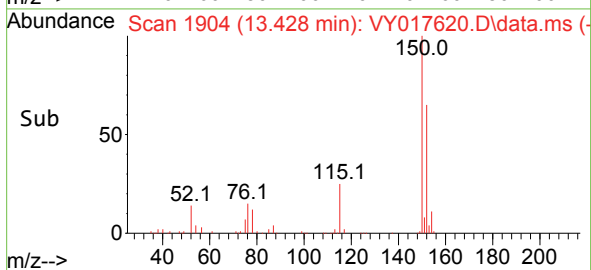
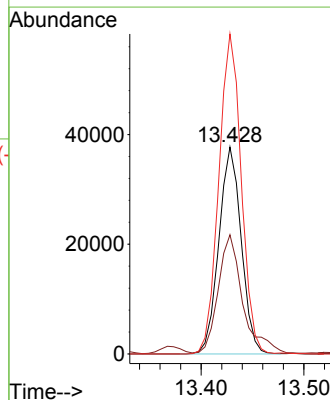
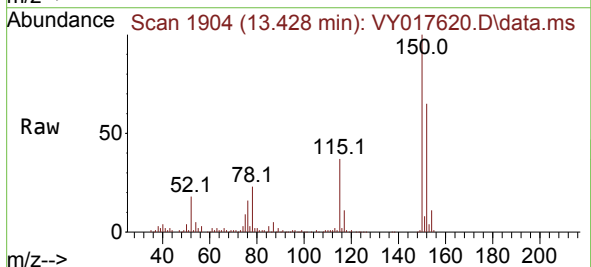
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1333

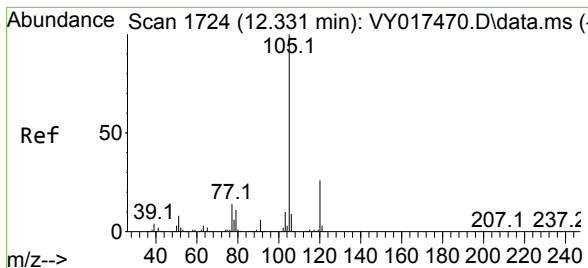
Tgt Ion:106 Resp: 111283
Ion Ratio Lower Upper
106 100
91 207.0 103.6 310.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY017620.D
Acq: 08 Mar 2024 12:58

Tgt Ion:152 Resp: 56978
Ion Ratio Lower Upper
152 100
115 62.3 28.2 84.7
150 155.3 0.0 345.6





#73

Isopropylbenzene

Concen: 19.458 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. 0.000 min

Lab File: VY017620.D

Acq: 08 Mar 2024 12:58

Instrument :

MSVOA_Y

ClientSampleId :

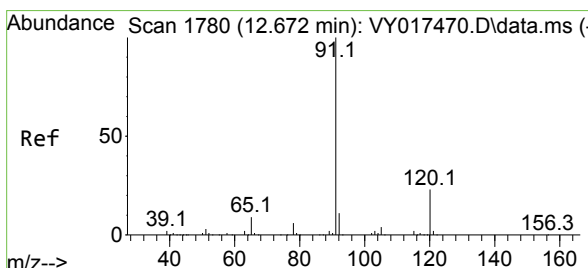
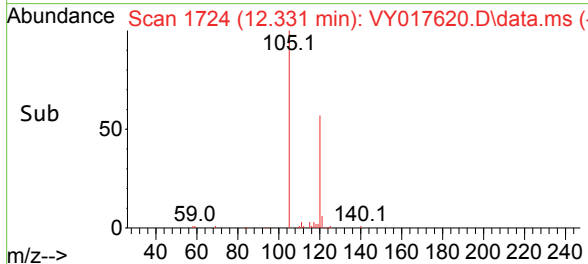
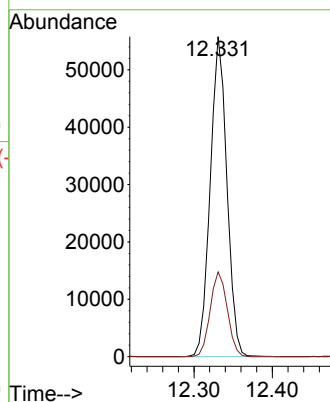
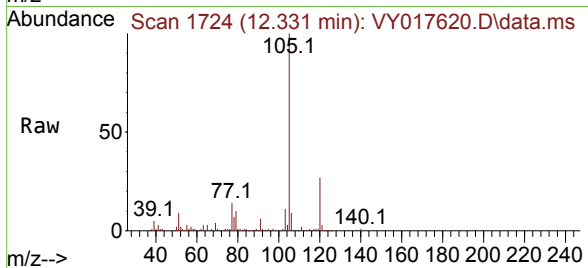
AUD-1333

Tgt Ion:105 Resp: 82369

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.1



#78

n-propylbenzene

Concen: 24.010 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY017620.D

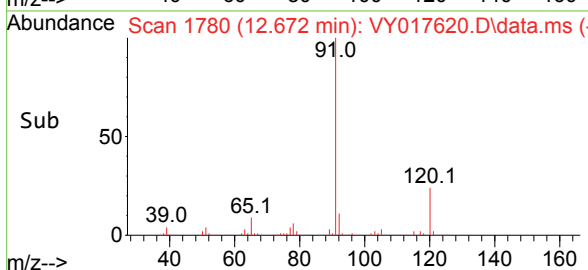
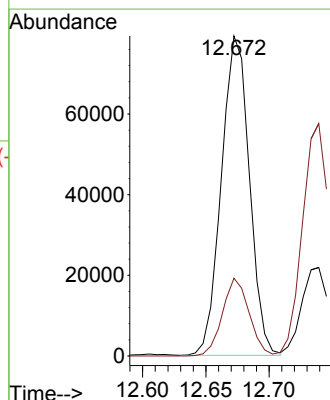
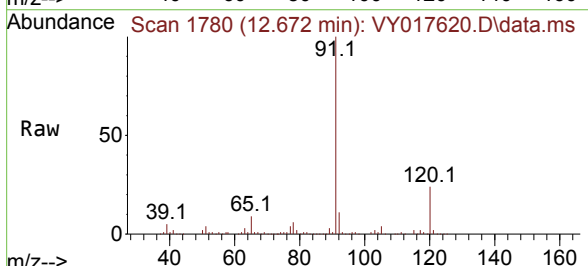
Acq: 08 Mar 2024 12:58

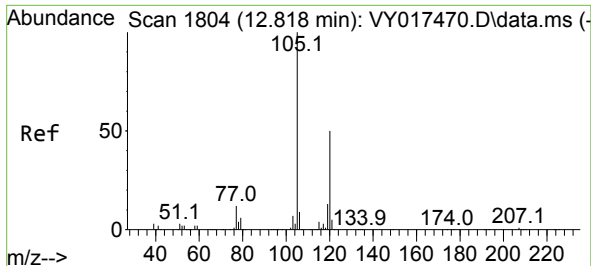
Tgt Ion: 91 Resp: 121955

Ion Ratio Lower Upper

91 100

120 23.2 11.5 34.4

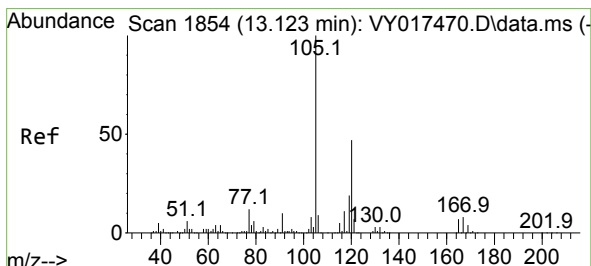
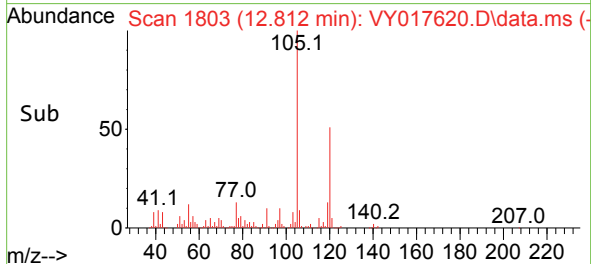
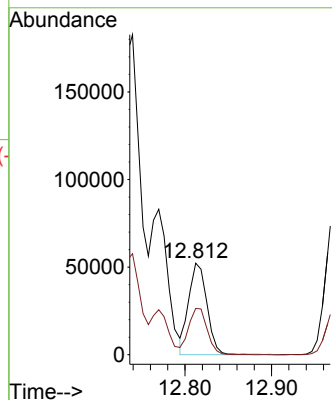
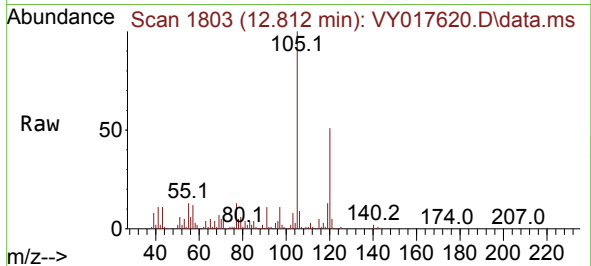




#80
1,3,5-Trimethylbenzene
Concen: 22.602 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VY017620.D
Acq: 08 Mar 2024 12:58

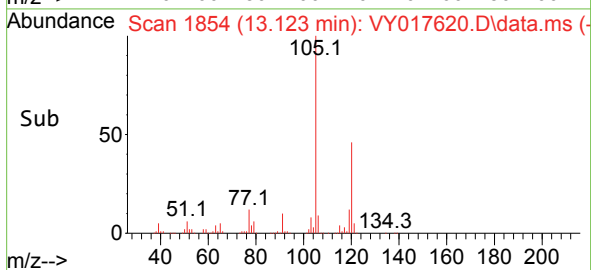
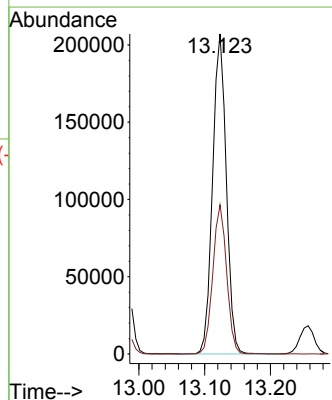
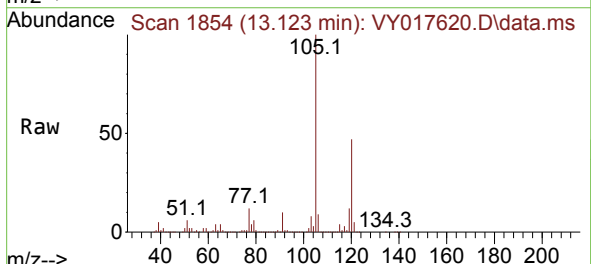
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1333

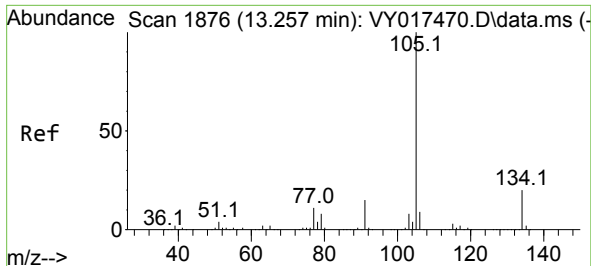
Tgt Ion:105 Resp: 76653
Ion Ratio Lower Upper
105 100
120 50.9 25.1 75.2



#84
1,2,4-Trimethylbenzene
Concen: 89.681 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY017620.D
Acq: 08 Mar 2024 12:58

Tgt Ion:105 Resp: 300263
Ion Ratio Lower Upper
105 100
120 46.9 23.2 69.6

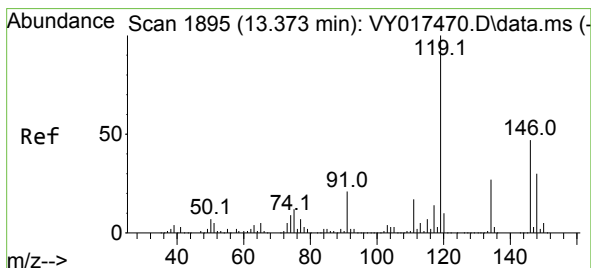
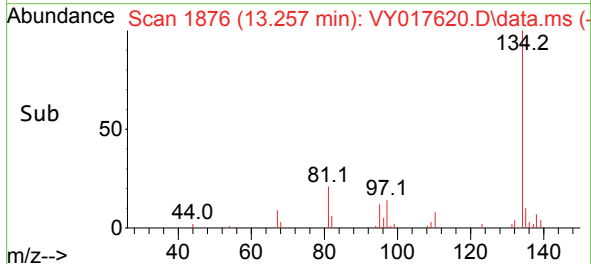
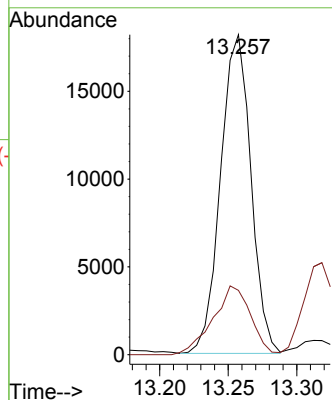
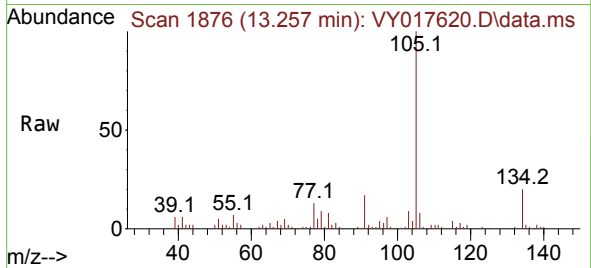




#85
 sec-Butylbenzene
 Concen: 6.149 ug/l
 RT: 13.257 min Scan# 1876
 Delta R.T. 0.000 min
 Lab File: VY017620.D
 Acq: 08 Mar 2024 12:58

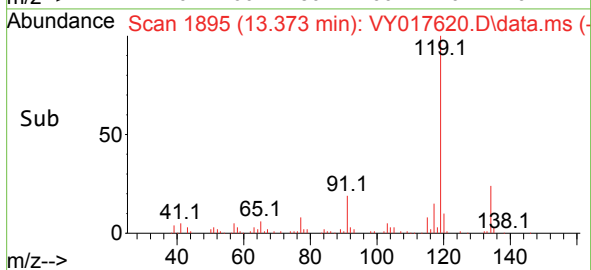
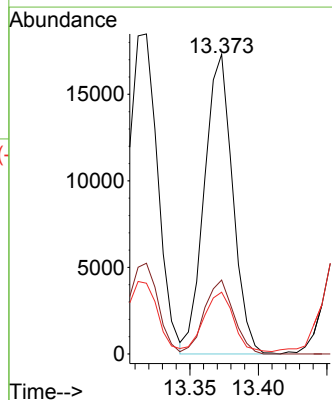
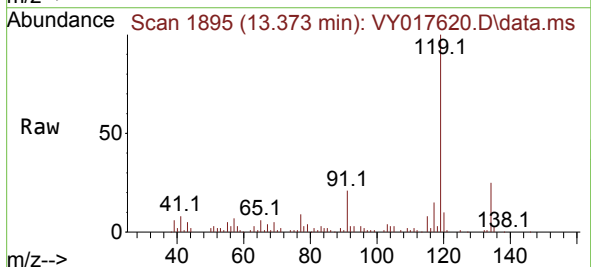
Instrument :
 MSVOA_Y
 ClientSampleId :
 AUD-1333

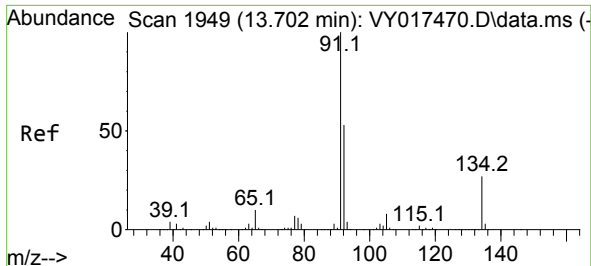
Tgt Ion:105 Resp: 27996
 Ion Ratio Lower Upper
 105 100
 134 26.7 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 6.675 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.000 min
 Lab File: VY017620.D
 Acq: 08 Mar 2024 12:58

Tgt Ion:119 Resp: 24880
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.1 39.3
 91 20.3 10.7 32.1

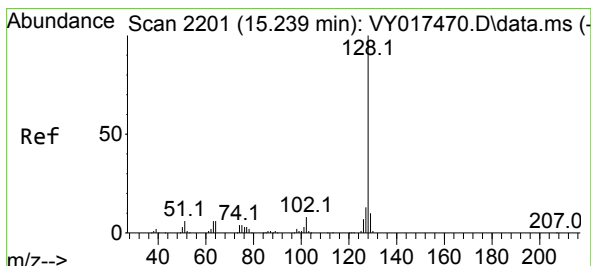
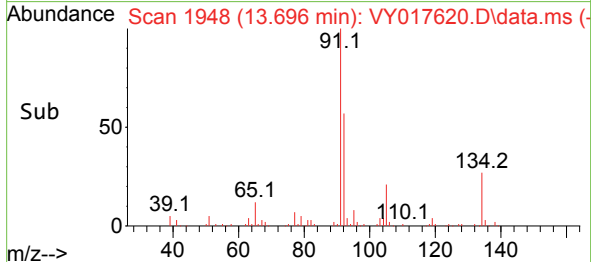
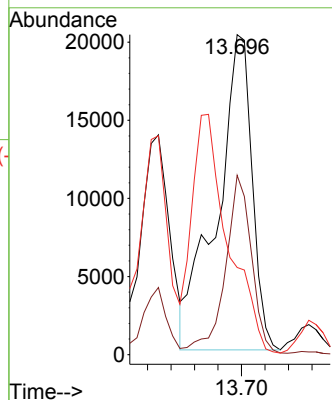
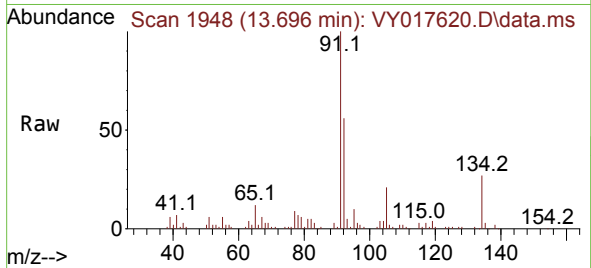




#89
n-Butylbenzene
Concen: 12.284 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VY017620.D
Acq: 08 Mar 2024 12:58

Instrument :
MSVOA_Y
ClientSampleId :
AUD-1333

Tgt Ion: 91 Resp: 41772
Ion Ratio Lower Upper
91 100
92 42.1 26.6 79.7
134 0.0 12.9 38.7#



#95
Naphthalene
Concen: 12.414 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY017620.D
Acq: 08 Mar 2024 12:58

Tgt Ion:128 Resp: 16428
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 10.8 8.6 13.0

