

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012624\
 Data File : VY017122.D
 Acq On : 26 Jan 2024 15:35
 Operator : SY/MD
 Sample : P1241-01RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-05-12424

Quant Time: Jan 29 04:17:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012424S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 25 04:44:10 2024
 Response via : Initial Calibration

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

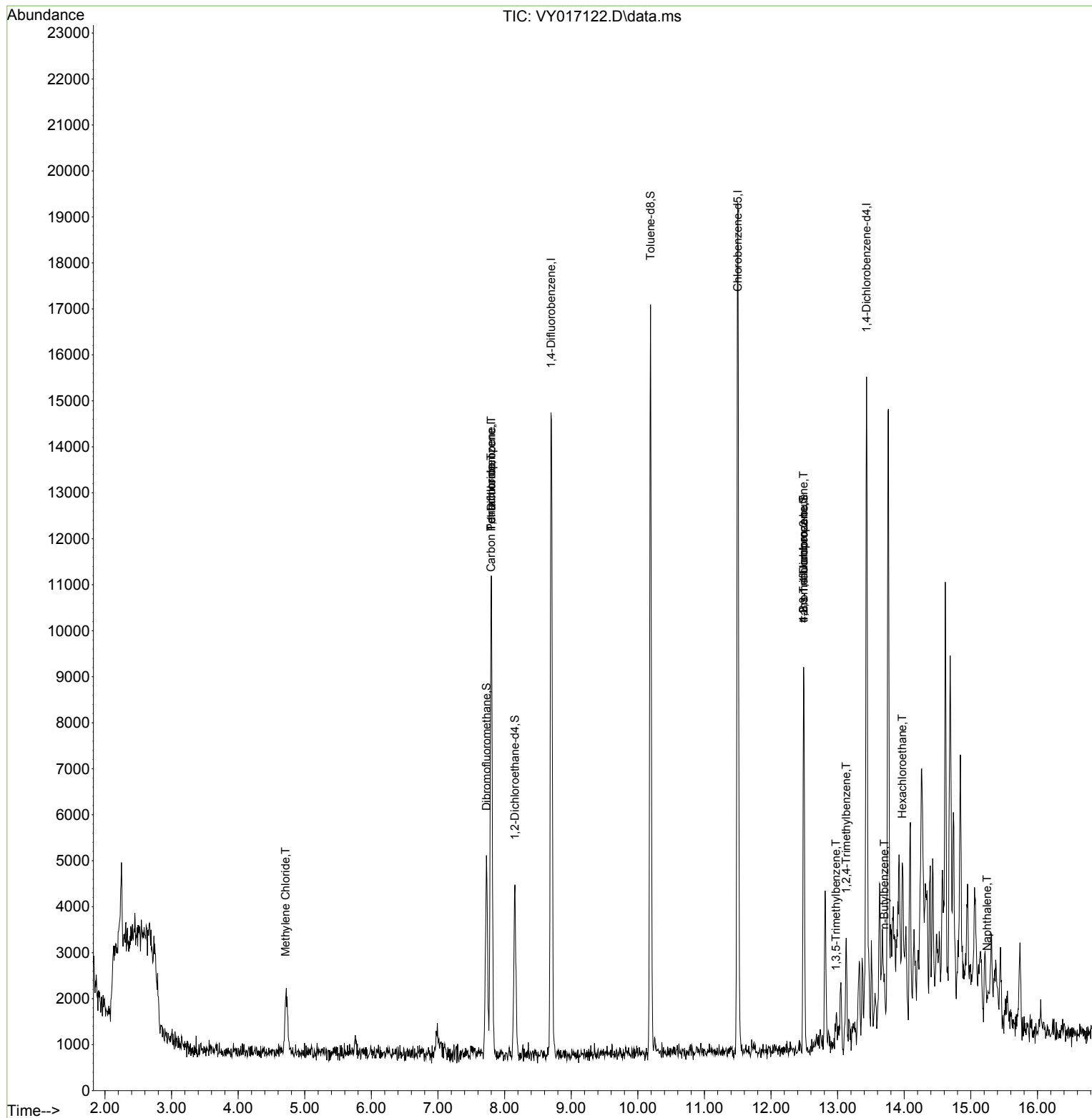
Internal Standards						
1) Pentafluorobenzene	7.801	168	8008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	12829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	10661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	3501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	2996	38.399	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	76.800%		
35) Dibromofluoromethane	7.728	113	3137	40.515	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.020%		
50) Toluene-d8	10.191	98	10831	37.036	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	74.080%		
62) 4-Bromofluorobenzene	12.489	95	2620	29.082	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	58.160%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	89	Below Cal	#	41
4) Vinyl Chloride	2.272	62	20	Below Cal	#	43
5) Bromomethane	2.668	94	140	Below Cal		88
6) Chloroethane	2.729	64	18	Below Cal	#	43
16) Acetone	3.954	43	62	Below Cal	#	41
20) Methylene Chloride	4.710	84	1052	6.889	ug/l #	65
31) Cyclohexane	7.801	56	172	Below Cal	#	10
36) 1,1-Dichloropropene	7.801	75	625	4.906	ug/l #	42
38) Carbon Tetrachloride	7.795	117	858	6.873	ug/l #	12
76) 1,2,3-Trichloropropane	12.489	75	1506	35.439	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.977	105	337	1.479	ug/l	66
81) trans-1,4-Dichloro-2-b...	12.489	75	1506	91.748	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.129	105	1370	6.051	ug/l	91
89) n-Butylbenzene	13.702	91	651	2.777	ug/l #	72
90) Hexachloroethane	13.971	117	179	3.534	ug/l #	17
95) Naphthalene	15.245	128	300	3.096	ug/l #	69

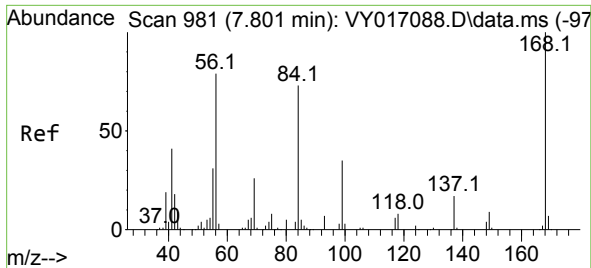
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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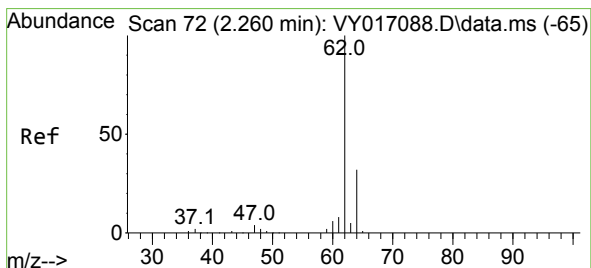
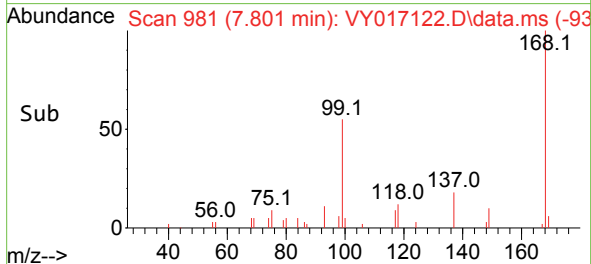
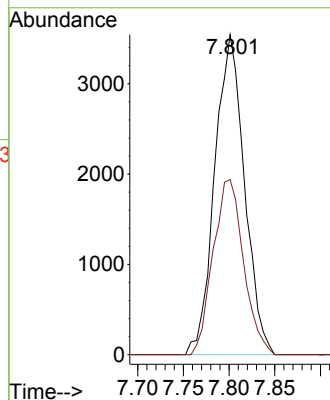
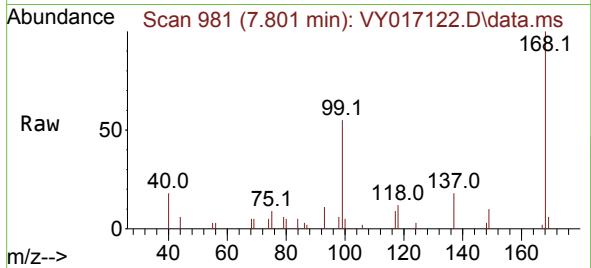




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY017122.D
Acq: 26 Jan 2024 15:35

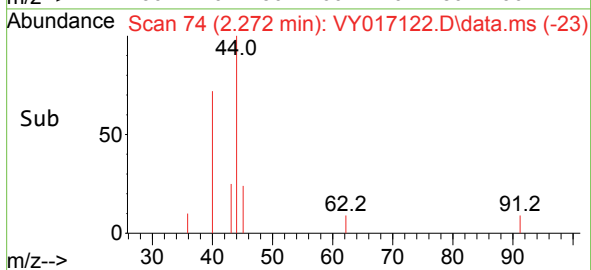
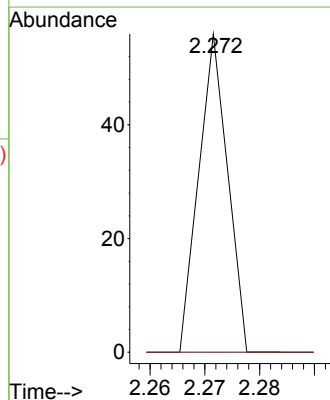
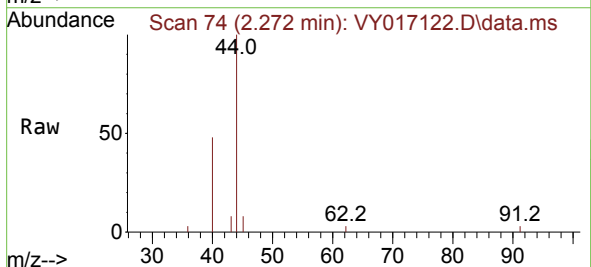
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-12424

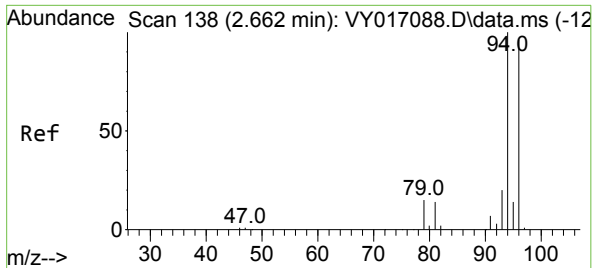
Tgt Ion:168 Resp: 8008
Ion Ratio Lower Upper
168 100
99 54.7 44.2 66.4



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.272 min Scan# 74
Delta R.T. 0.013 min
Lab File: VY017122.D
Acq: 26 Jan 2024 15:35

Tgt Ion: 62 Resp: 20
Ion Ratio Lower Upper
62 100
64 0.0 25.7 38.5#





#5

Bromomethane

Concen: Below Cal

RT: 2.668 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017122.D

Acq: 26 Jan 2024 15:35

Instrument :

MSVOA_Y

ClientSampleId :

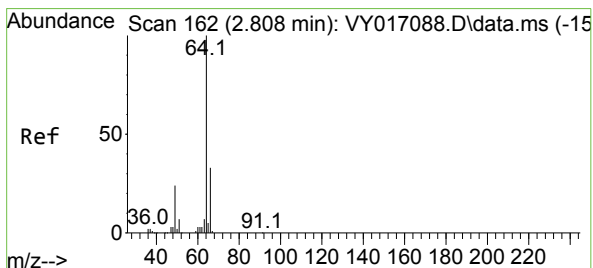
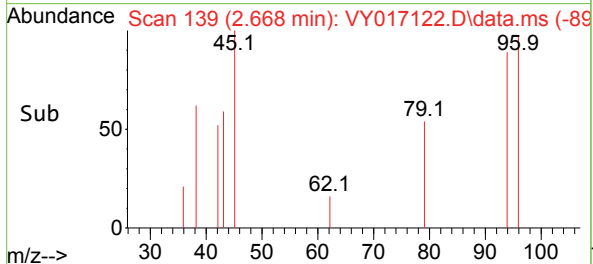
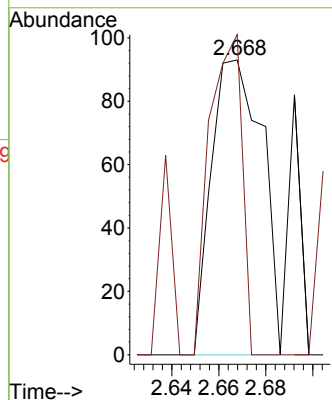
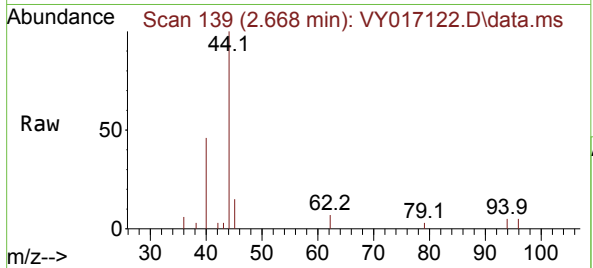
AU-05-12424

Tgt Ion: 94 Resp: 140

Ion Ratio Lower Upper

94 100

96 108.6 77.3 115.9



#6

Chloroethane

Concen: Below Cal

RT: 2.729 min Scan# 149

Delta R.T. -0.079 min

Lab File: VY017122.D

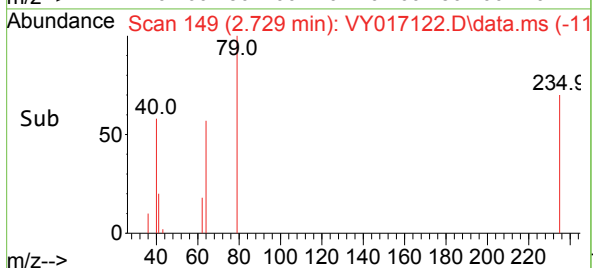
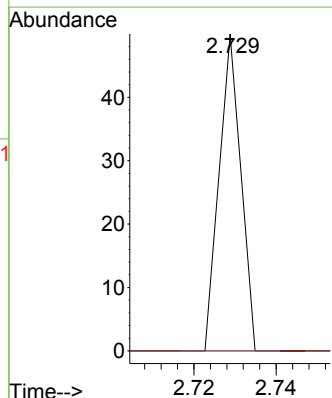
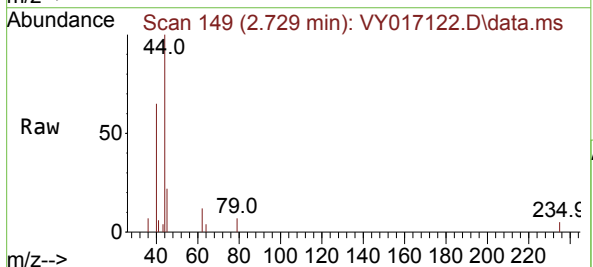
Acq: 26 Jan 2024 15:35

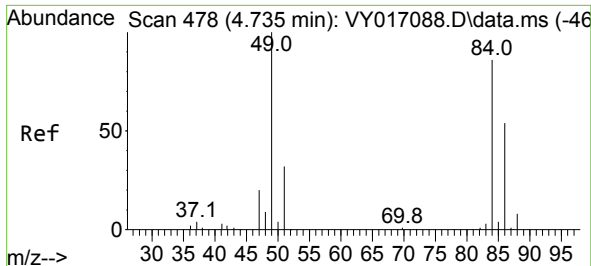
Tgt Ion: 64 Resp: 18

Ion Ratio Lower Upper

64 100

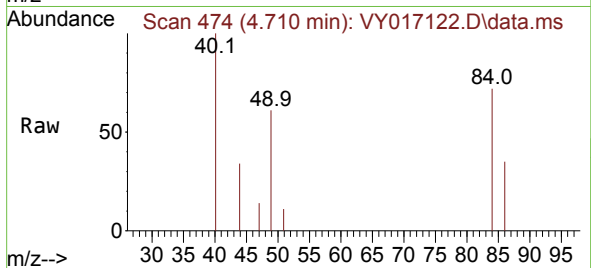
66 0.0 25.1 37.7#





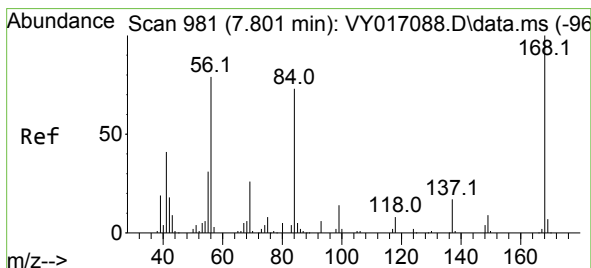
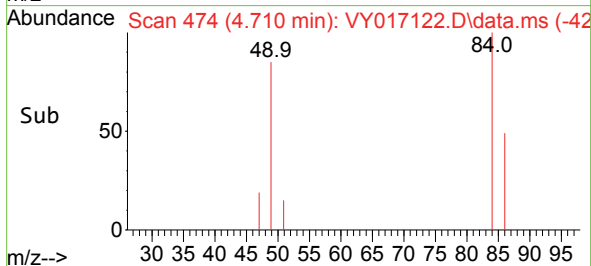
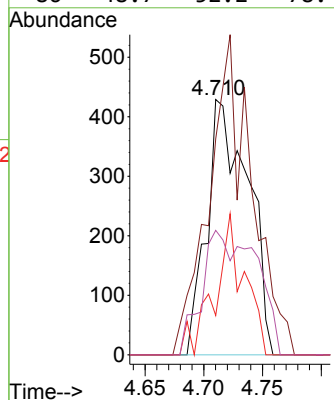
#20
Methylene Chloride
Concen: 6.889 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.024 min
Lab File: VY017122.D
Acq: 26 Jan 2024 15:35

Instrument :
MSVOA_Y
ClientSampleId :
AU-05-12424



Tgt Ion: 84 Resp: 1052

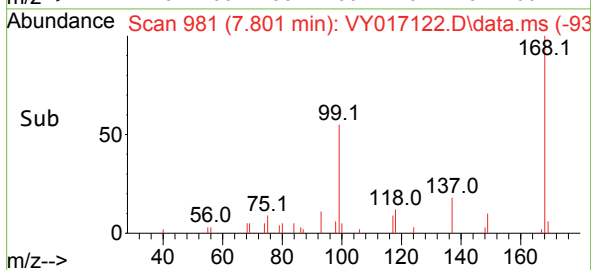
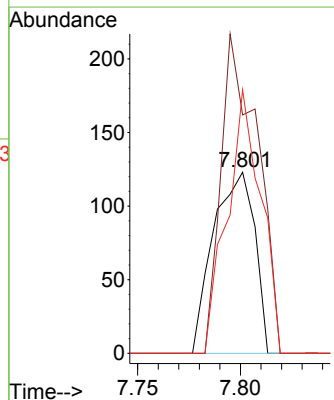
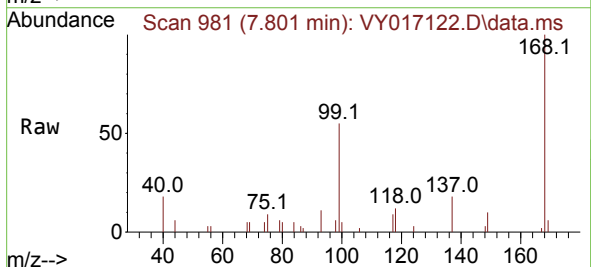
Ion	Ratio	Lower	Upper
84	100		
49	73.0	95.2	142.8#
51	15.4	29.9	44.9#
86	48.7	52.2	78.4#

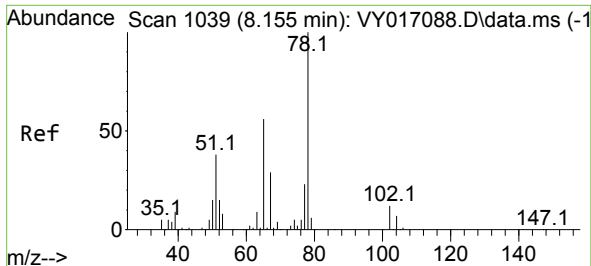


#31
Cyclohexane
Concen: Below Cal
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY017122.D
Acq: 26 Jan 2024 15:35

Tgt Ion: 56 Resp: 172

Ion	Ratio	Lower	Upper
56	100		
69	131.7	27.0	40.6#
84	145.5	71.8	107.6#





#33

1,2-Dichloroethane-d4

Concen: 38.399 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY017122.D

Acq: 26 Jan 2024 15:35

Instrument :

MSVOA_Y

ClientSampleId :

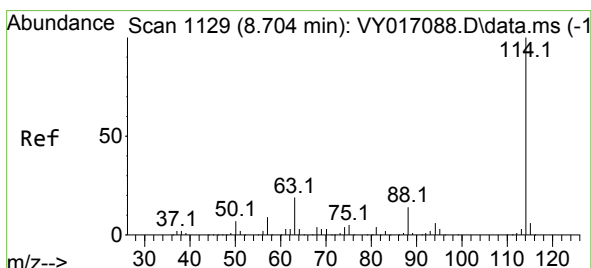
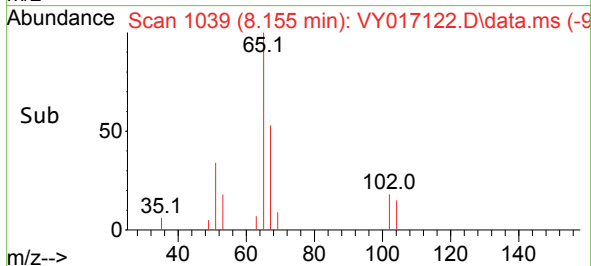
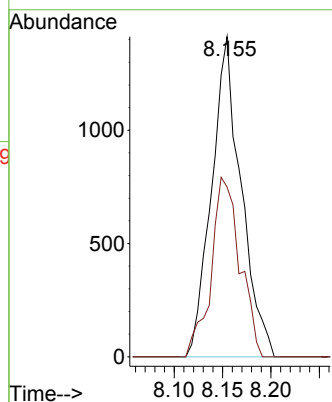
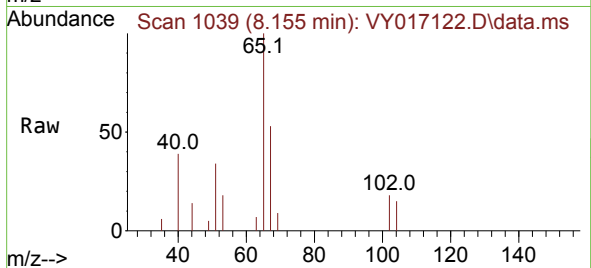
AU-05-12424

Tgt Ion: 65 Resp: 2996

Ion Ratio Lower Upper

65 100

67 54.7 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY017122.D

Acq: 26 Jan 2024 15:35

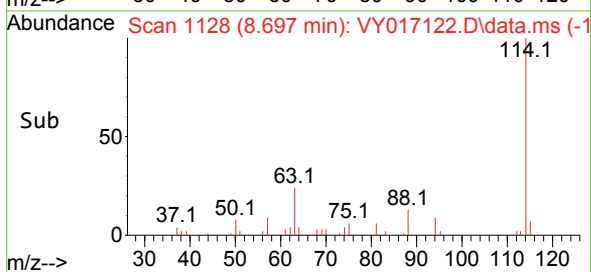
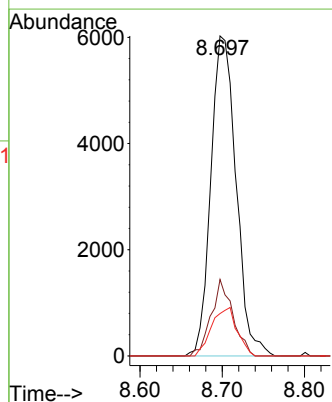
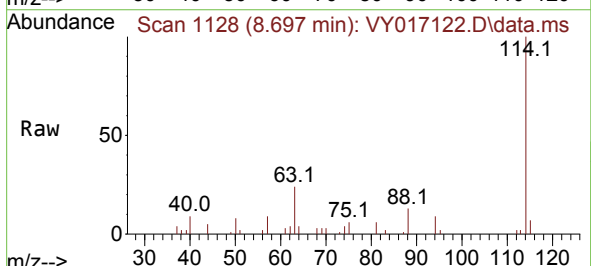
Tgt Ion: 114 Resp: 12829

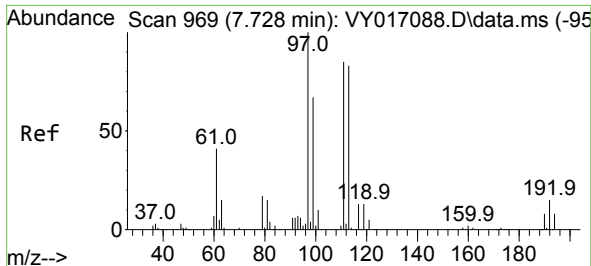
Ion Ratio Lower Upper

114 100

63 23.9 0.0 37.4

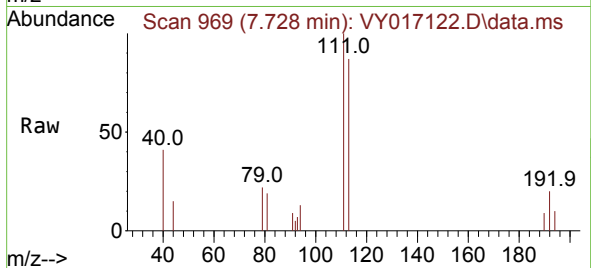
88 13.2 0.0 29.0



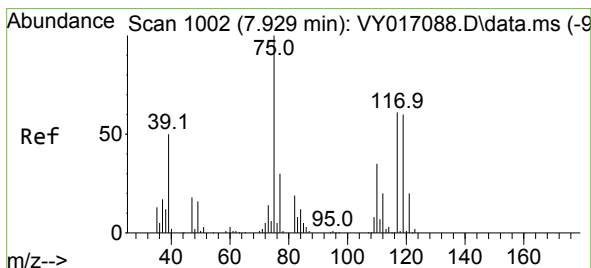
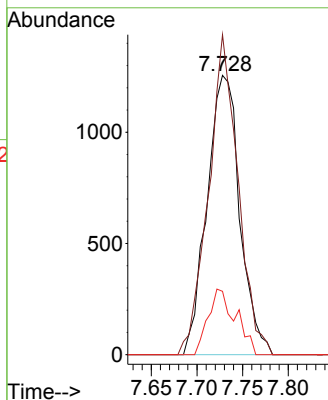
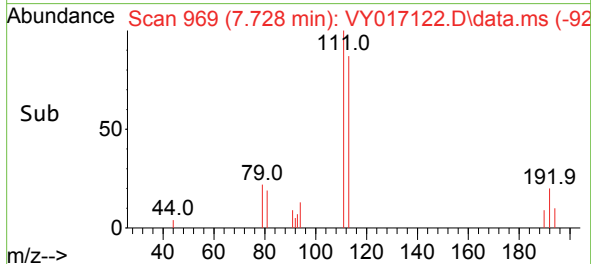


#35
Dibromofluoromethane
Concen: 40.515 ug/l
RT: 7.728 min Scan# 901
Delta R.T. -0.000 min
Lab File: VY017122.D
Acq: 26 Jan 2024 15:35

Instrument :
MSVOA_Y
ClientSampleId :
AU-05-12424

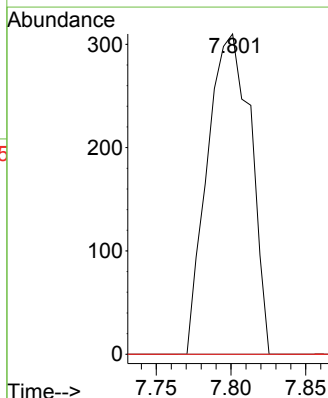
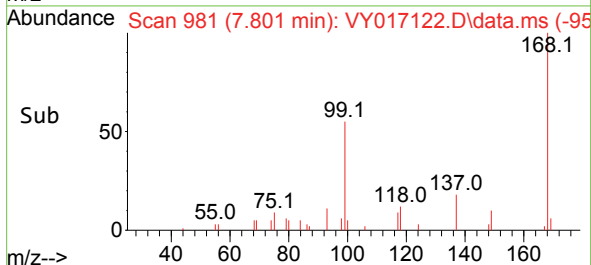
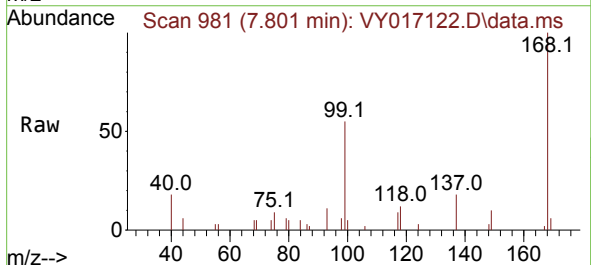


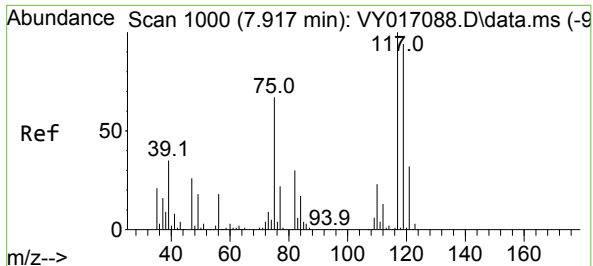
Tgt Ion:113 Resp: 3137
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.6
192 19.7 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.906 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY017122.D
Acq: 26 Jan 2024 15:35

Tgt Ion: 75 Resp: 625
Ion Ratio Lower Upper
75 100
110 0.0 17.4 52.3#
77 0.0 24.7 37.1#

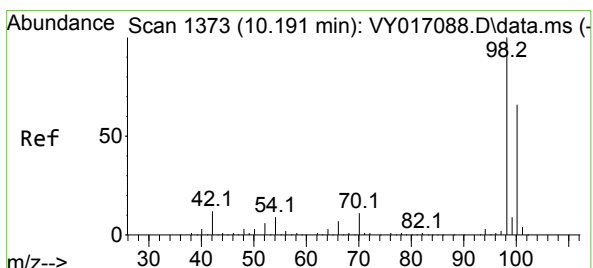
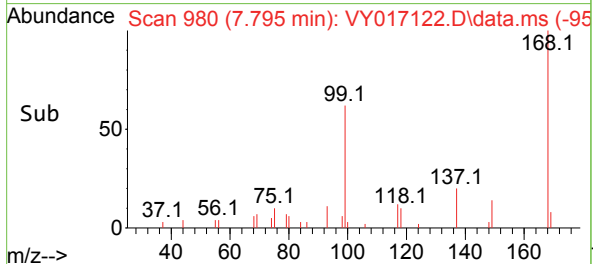
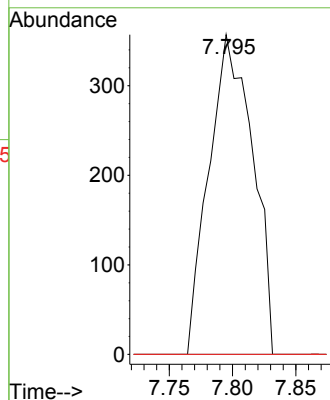
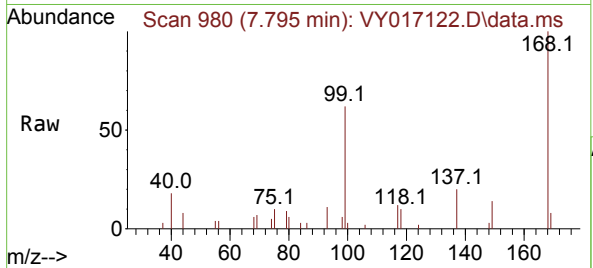




#38
Carbon Tetrachloride
Concen: 6.873 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY017122.D
Acq: 26 Jan 2024 15:35

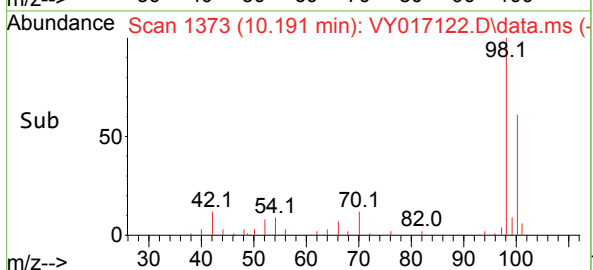
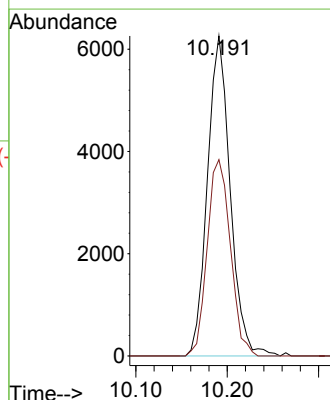
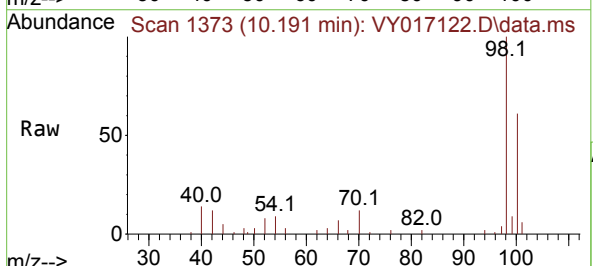
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AU-05-12424

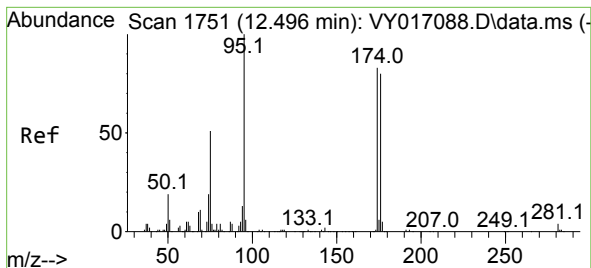
Tgt Ion:117 Resp: 858
Ion Ratio Lower Upper
117 100
119 0.0 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 37.036 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. -0.000 min
Lab File: VY017122.D
Acq: 26 Jan 2024 15:35

Tgt Ion: 98 Resp: 10831
Ion Ratio Lower Upper
98 100
100 62.4 52.3 78.5

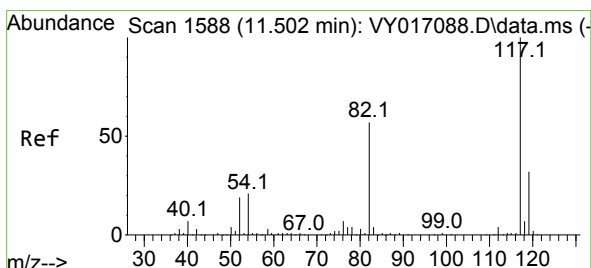
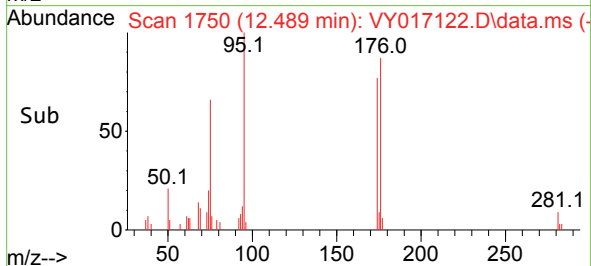
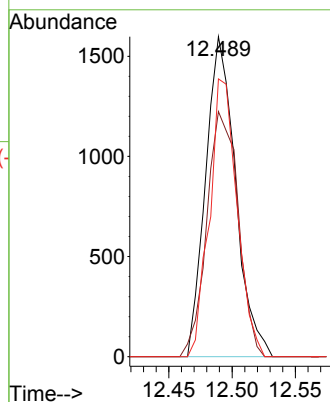
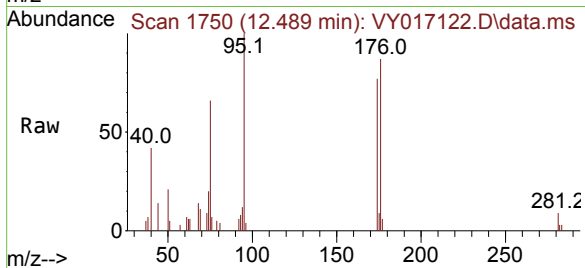




#62
4-Bromofluorobenzene
Concen: 29.082 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017122.D
Acq: 26 Jan 2024 15:35

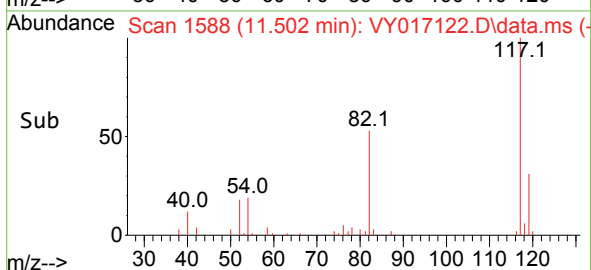
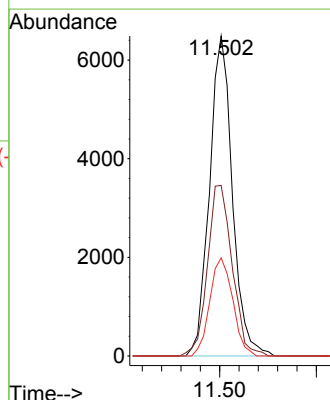
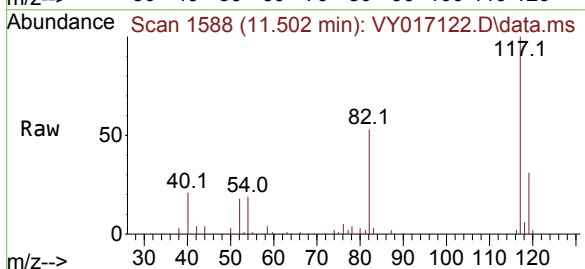
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-12424

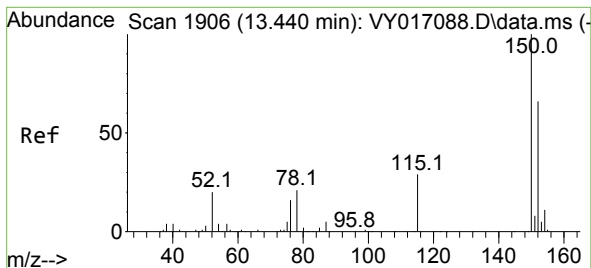
Tgt Ion:	95	Resp:	2620
Ion	Ratio	Lower	Upper
95	100		
174	80.9	0.0	160.0
176	80.3	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY017122.D
Acq: 26 Jan 2024 15:35

Tgt Ion:	117	Resp:	10661
Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.8	65.8
119	30.6	26.5	39.7

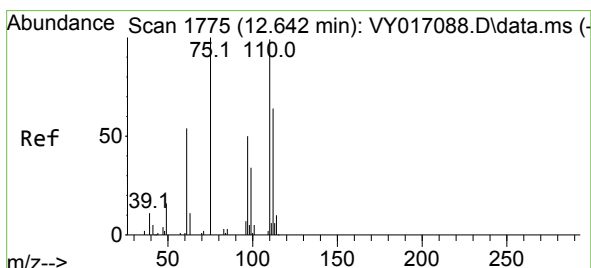
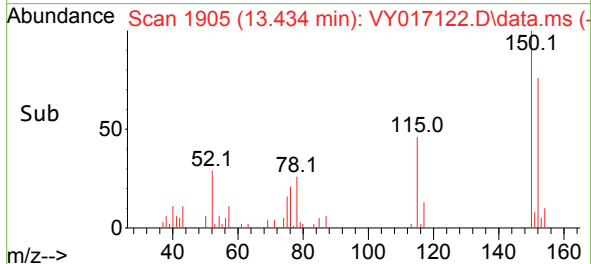
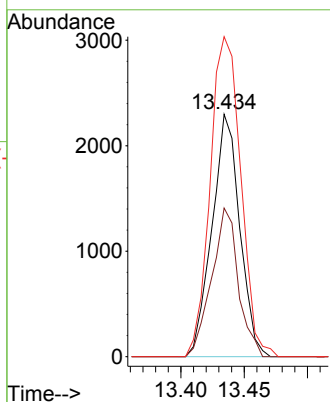
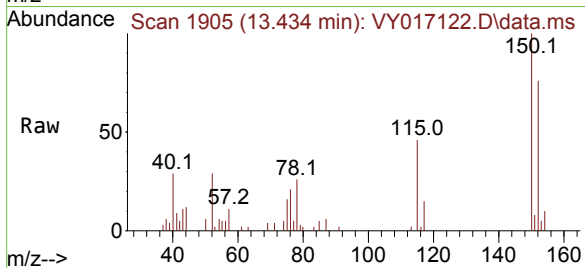




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY017122.D
Acq: 26 Jan 2024 15:35

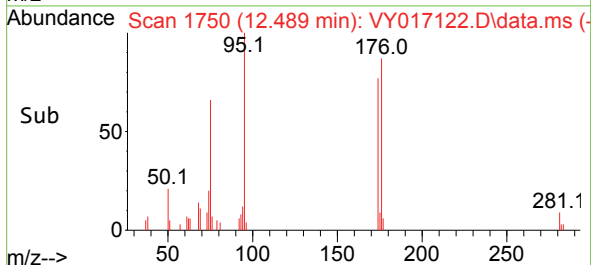
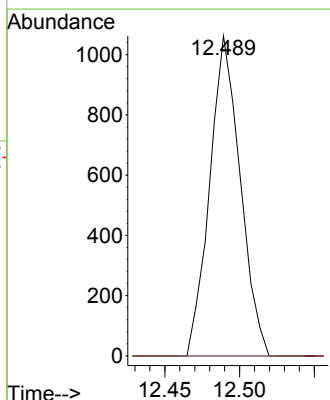
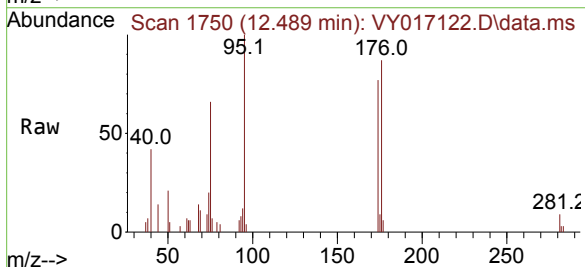
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-12424

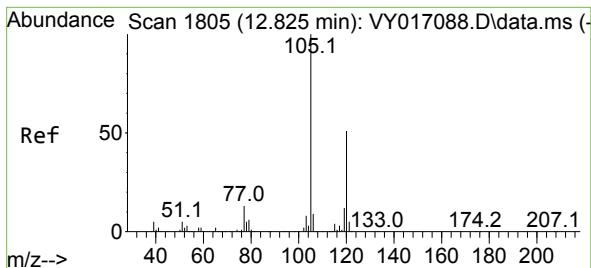
Tgt Ion:152 Resp: 3501
Ion Ratio Lower Upper
152 100
115 58.8 30.0 90.0
150 145.6 0.0 344.6



#76
1,2,3-Trichloropropane
Concen: 35.439 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.153 min
Lab File: VY017122.D
Acq: 26 Jan 2024 15:35

Tgt Ion: 75 Resp: 1506
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#80

1,3,5-Trimethylbenzene

Concen: 1.479 ug/l

RT: 12.977 min Scan# 11

Delta R.T. 0.159 min

Lab File: VY017122.D

Acq: 26 Jan 2024 15:35

Instrument :

MSVOA_Y

ClientSampleId :

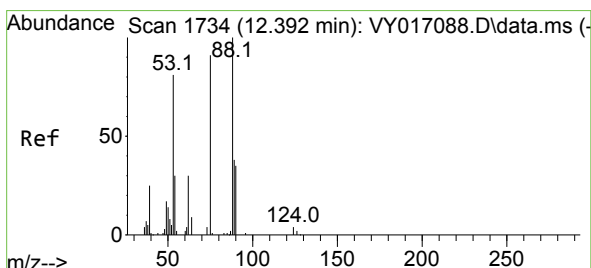
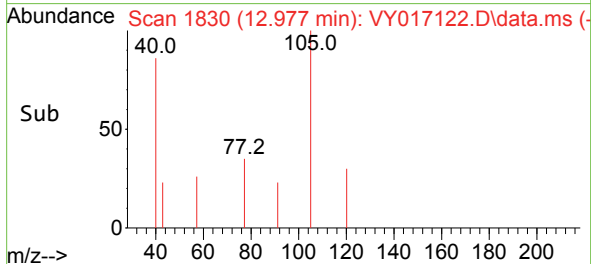
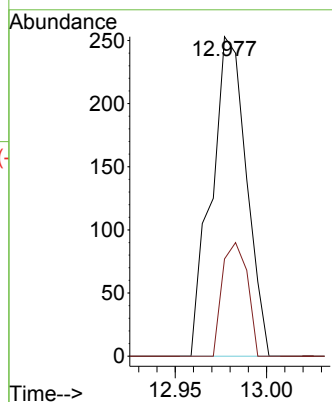
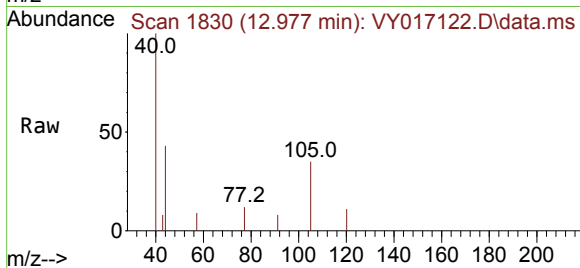
AU-05-12424

Tgt Ion:105 Resp: 337

Ion Ratio Lower Upper

105 100

120 25.5 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 91.748 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.104 min

Lab File: VY017122.D

Acq: 26 Jan 2024 15:35

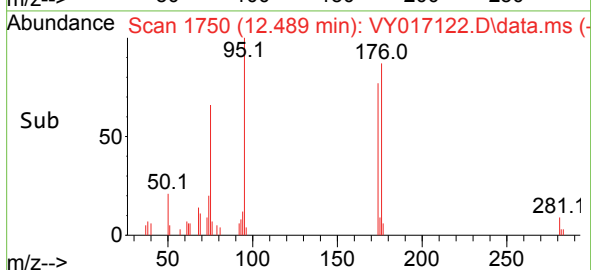
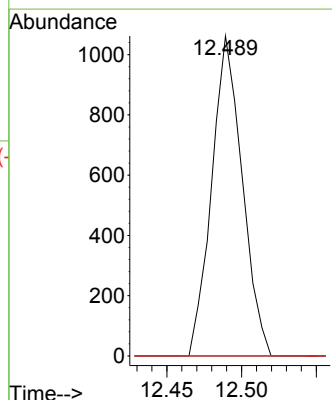
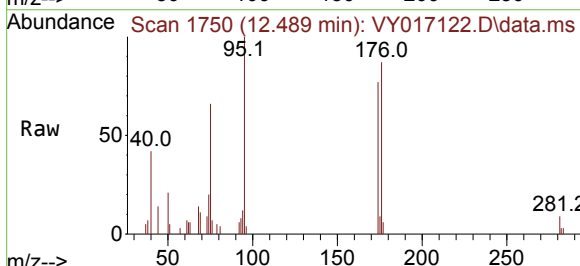
Tgt Ion: 75 Resp: 1506

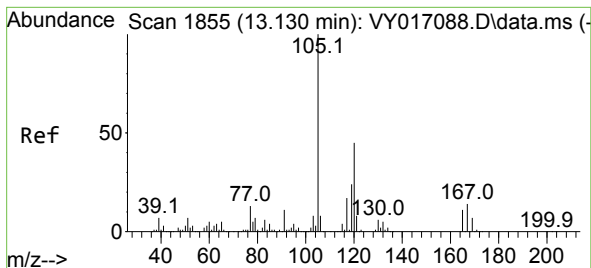
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.0 36.5 54.7#





#84

1,2,4-Trimethylbenzene

Concen: 6.051 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. 0.000 min

Lab File: VY017122.D

Acq: 26 Jan 2024 15:35

Instrument :

MSVOA_Y

ClientSampleId :

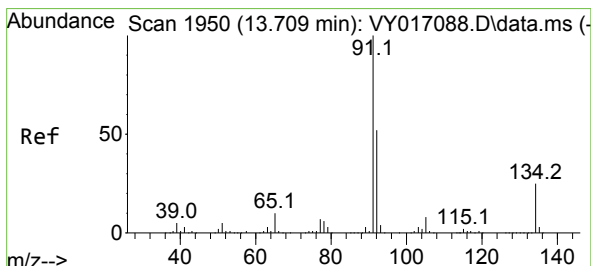
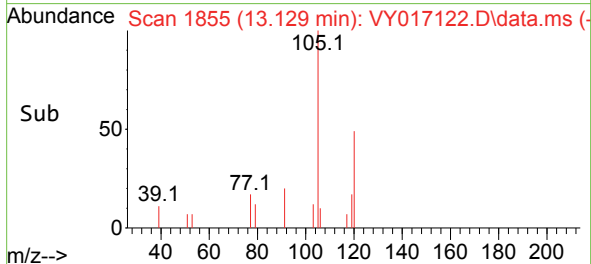
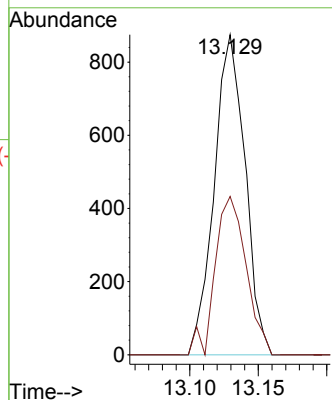
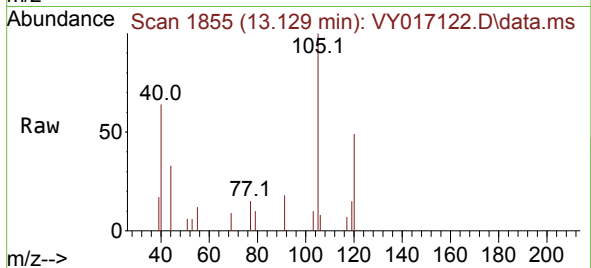
AU-05-12424

Tgt Ion:105 Resp: 1370

Ion Ratio Lower Upper

105 100

120 49.8 22.1 66.3



#89

n-Butylbenzene

Concen: 2.777 ug/l

RT: 13.702 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VY017122.D

Acq: 26 Jan 2024 15:35

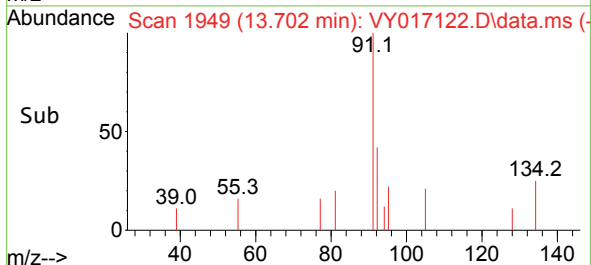
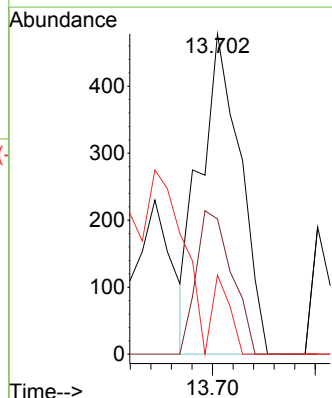
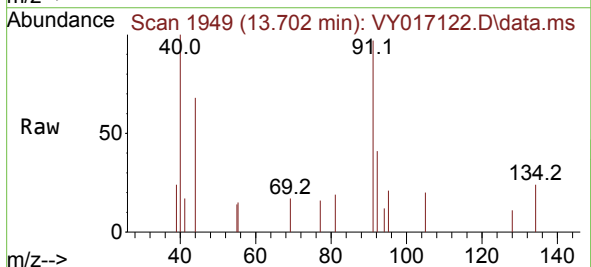
Tgt Ion: 91 Resp: 651

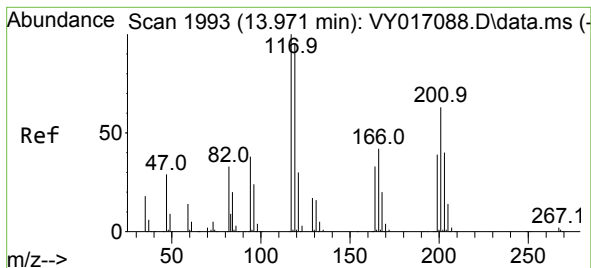
Ion Ratio Lower Upper

91 100

92 39.8 26.4 79.2

134 0.0 12.3 36.8#





#90

Hexachloroethane

Concen: 3.534 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VY017122.D

Acq: 26 Jan 2024 15:35

Instrument :

MSVOA_Y

ClientSampleId :

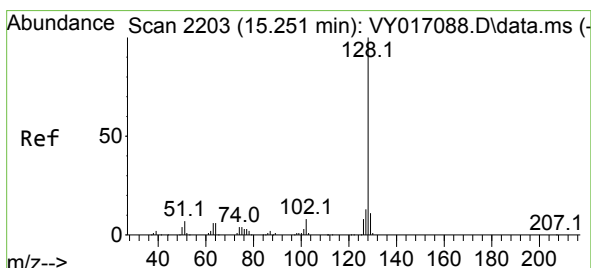
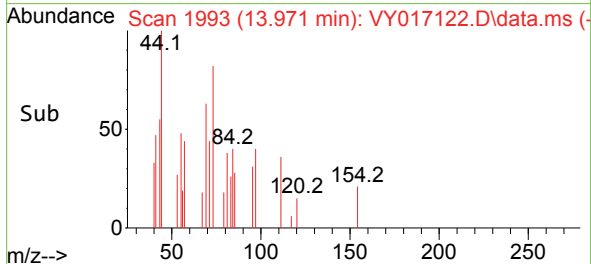
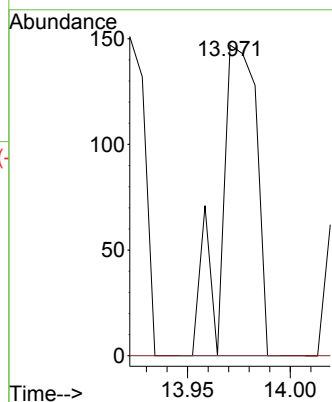
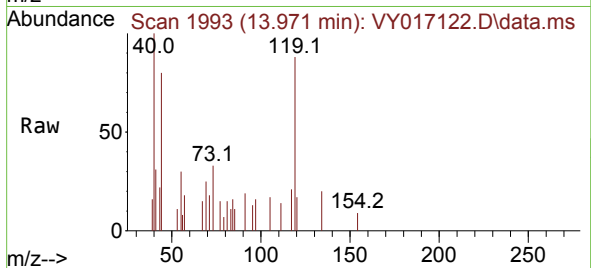
AU-05-12424

Tgt Ion:117 Resp: 179

Ion Ratio Lower Upper

117 100

201 0.0 33.4 100.1#



#95

Naphthalene

Concen: 3.096 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY017122.D

Acq: 26 Jan 2024 15:35

Tgt Ion:128 Resp: 300

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.6 12.8#

