

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062623\
 Data File : VY014436.D
 Acq On : 26 Jun 2023 16:03
 Operator : KP/MD
 Sample : 03403-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1652

Quant Time: Jun 27 01:48:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

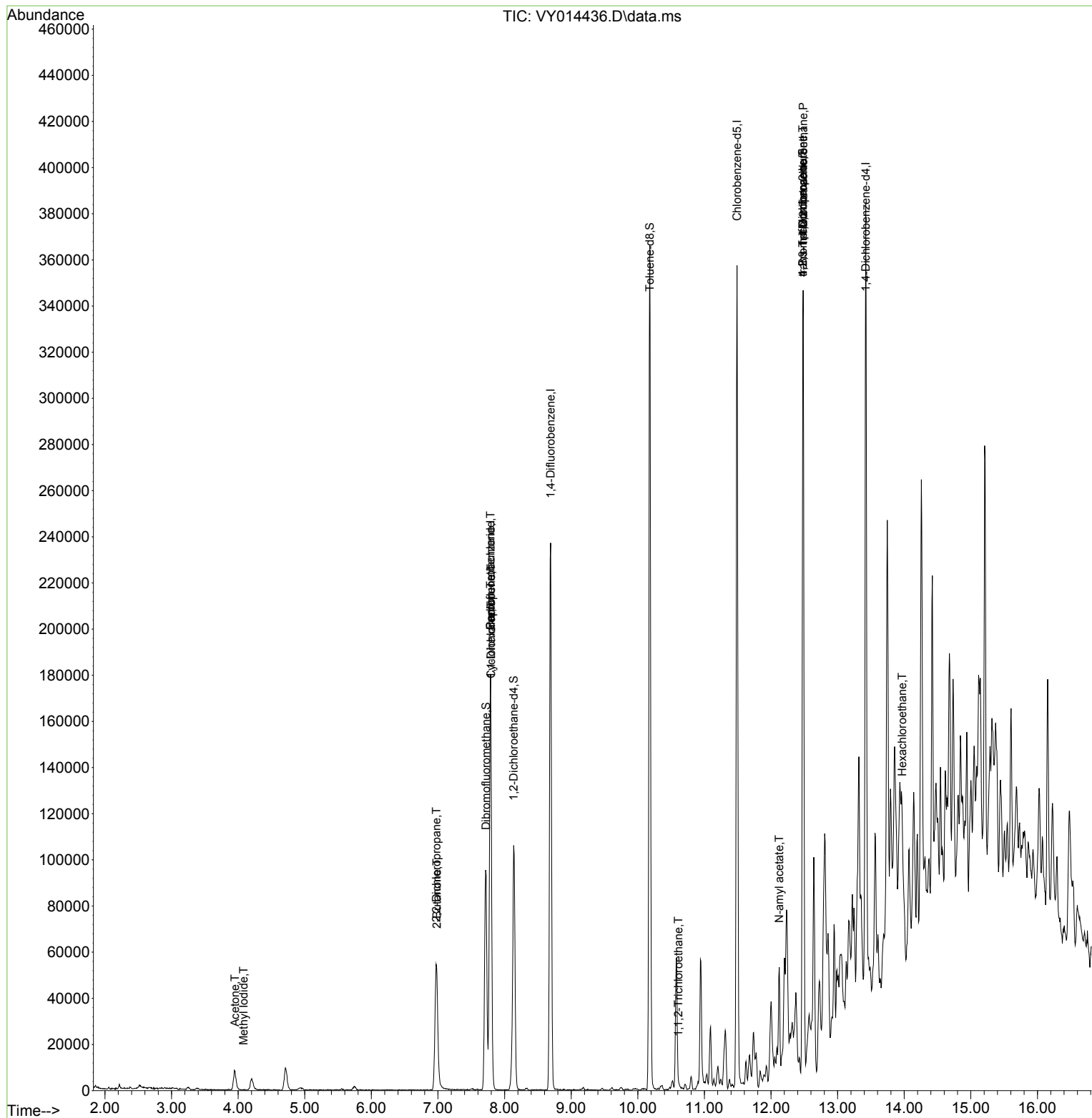
Internal Standards						
1) Pentafluorobenzene	7.789	168	138356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	204785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	190220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	87380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	90091	52.445	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.900%	
35) Dibromofluoromethane	7.722	113	64756	51.182	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.360%	
50) Toluene-d8	10.179	98	240458	47.811	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.620%	
62) 4-Bromofluorobenzene	12.477	95	82084	45.716	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.440%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.082	142	72	2.915	ug/l #	38
11) Tert butyl alcohol	4.954	59	1885	Below Cal	#	89
16) Acetone	3.954	43	15240	28.194	ug/l	97
20) Methylene Chloride	4.710	84	6875	Below Cal		84
25) 2-Butanone	6.984	43	3286	4.881	ug/l #	74
26) 2,2-Dichloropropane	6.978	77	4035	1.589	ug/l #	54
31) Cyclohexane	7.795	56	2942	1.387	ug/l #	53
36) 1,1-Dichloropropene	7.795	75	9908	5.082	ug/l #	53
38) Carbon Tetrachloride	7.789	117	13814	5.630	ug/l #	15
55) 1,1,2-Trichloroethane	10.612	97	1341	1.126	ug/l #	14
74) N-amyl acetate	12.124	43	9500	5.098	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	12.483	83	1676	1.333	ug/l	70
76) 1,2,3-Trichloropropane	12.477	75	48215	43.987	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	48215	100.145	ug/l #	12
90) Hexachloroethane	13.971	117	1049	1.009	ug/l #	8

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062623\
Data File : VY014436.D
Acq On : 26 Jun 2023 16:03
Operator : KP/MD
Sample : 03403-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ORA-1652

Quant Time: Jun 27 01:48:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 17:18:46 2023
Response via : Initial Calibration

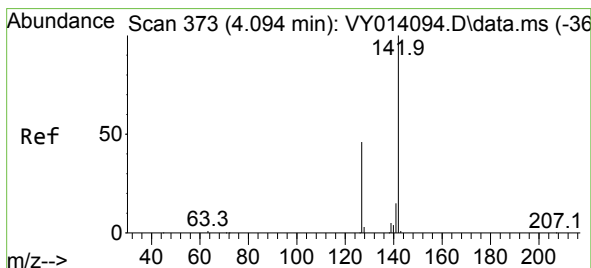
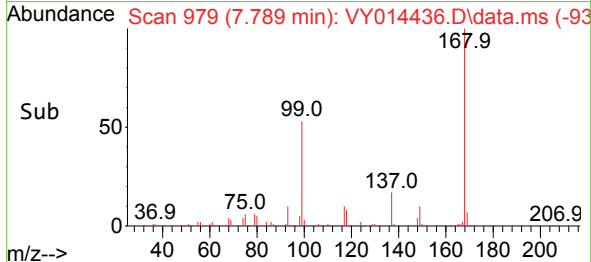
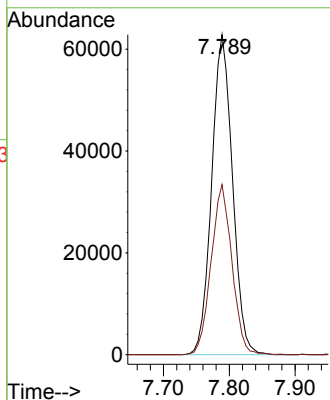
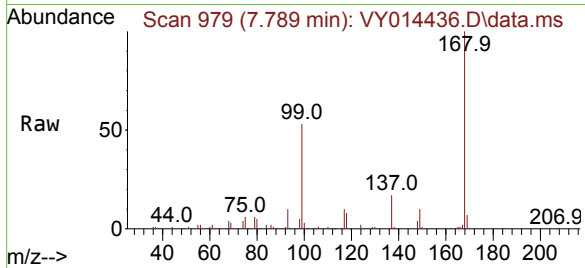




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014436.D
Acq: 26 Jun 2023 16:03

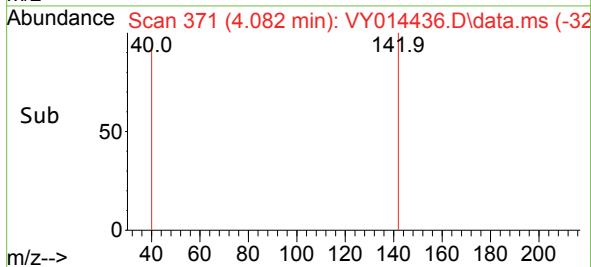
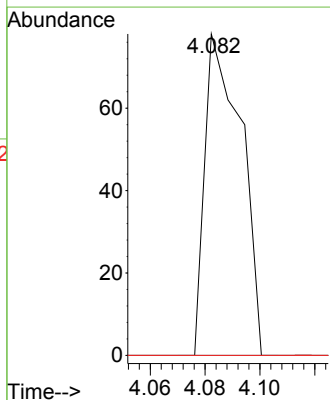
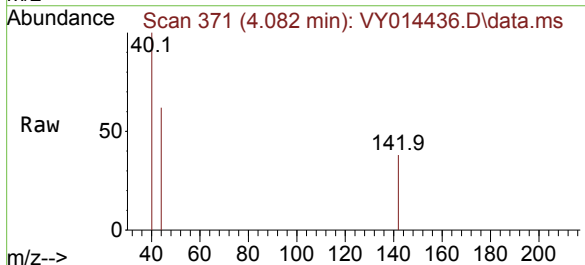
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1652

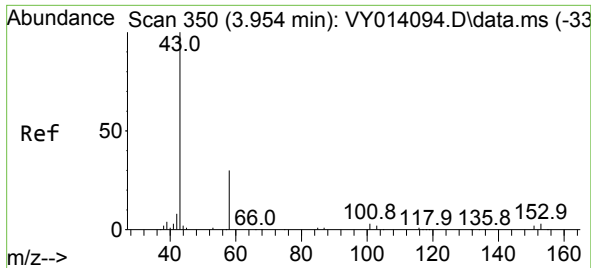
Tgt Ion:168 Resp: 138356
Ion Ratio Lower Upper
168 100
99 53.2 43.4 65.0



#10
Methyl Iodide
Concen: 2.915 ug/l
RT: 4.082 min Scan# 371
Delta R.T. -0.012 min
Lab File: VY014436.D
Acq: 26 Jun 2023 16:03

Tgt Ion:142 Resp: 72
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 28.194 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY014436.D

Acq: 26 Jun 2023 16:03

Instrument :

MSVOA_Y

ClientSampleId :

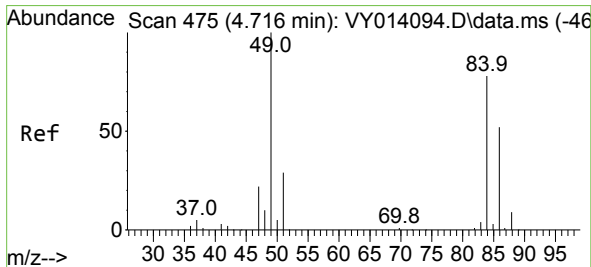
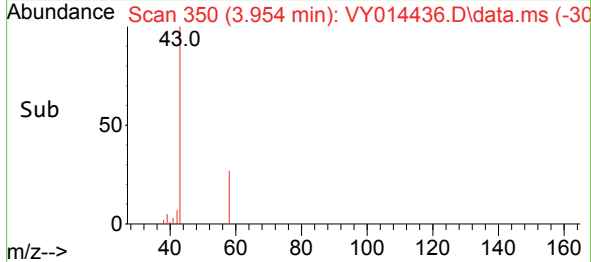
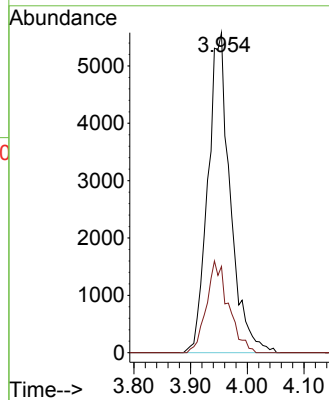
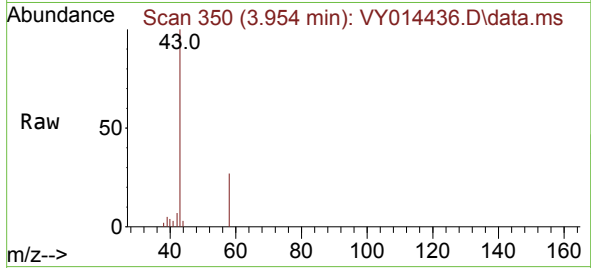
ORA-1652

Tgt Ion: 43 Resp: 15240

Ion Ratio Lower Upper

43 100

58 27.0 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY014436.D

Acq: 26 Jun 2023 16:03

Tgt Ion: 84 Resp: 6875

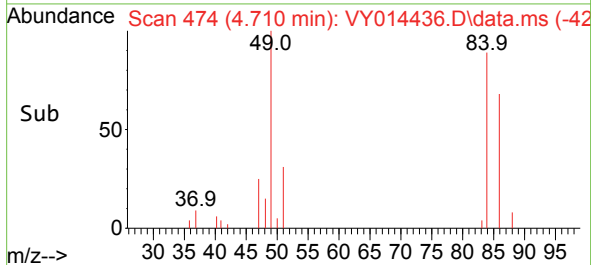
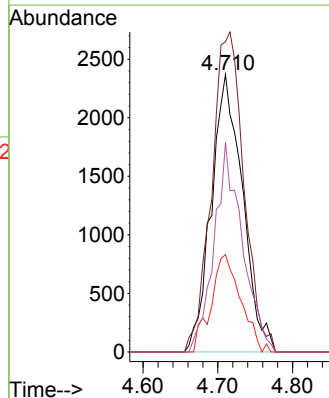
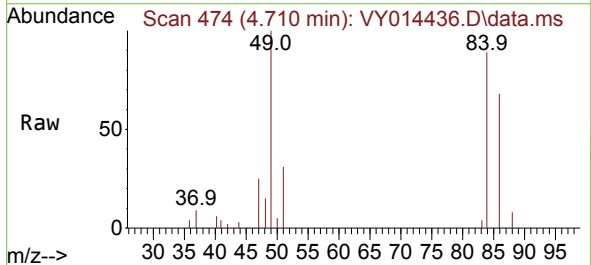
Ion Ratio Lower Upper

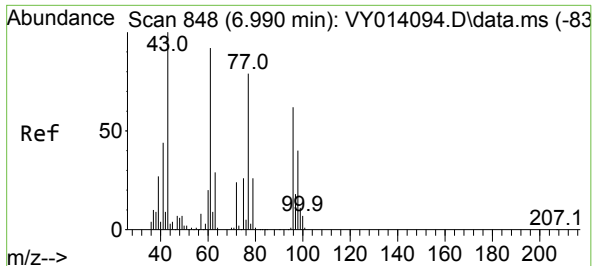
84 100

49 111.8 106.9 160.3

51 35.1 33.2 49.8

86 75.6 51.0 76.6

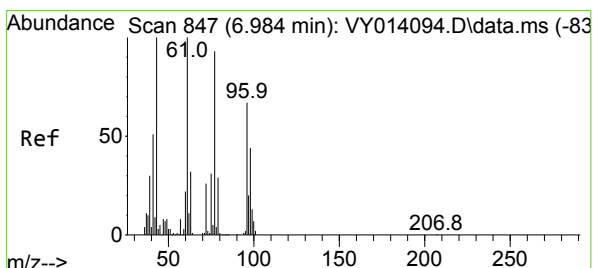
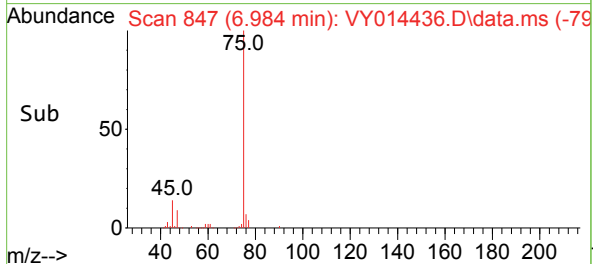
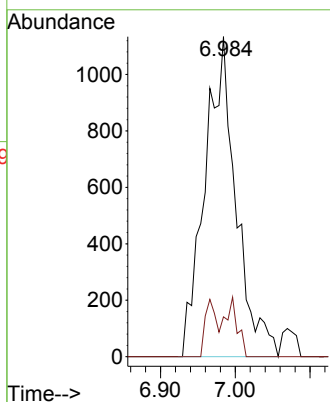
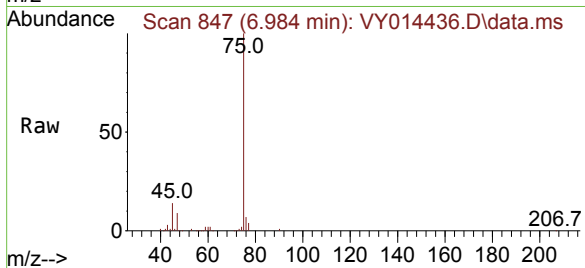




#25
2-Butanone
Concen: 4.881 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY014436.D
Acq: 26 Jun 2023 16:03

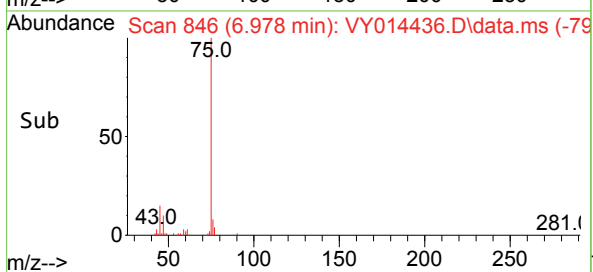
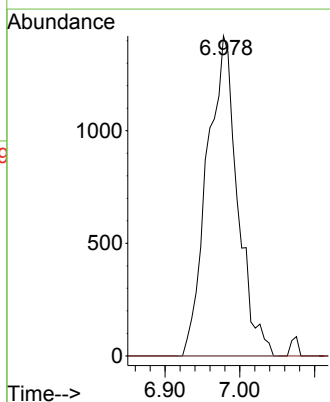
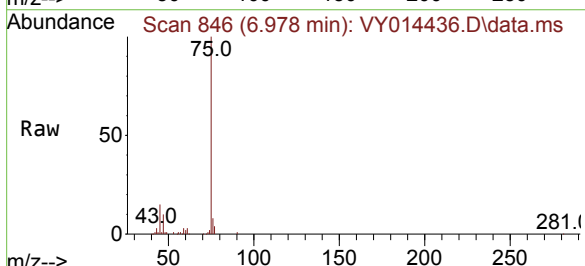
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1652

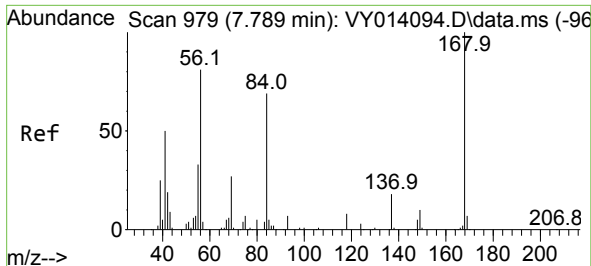
Tgt Ion: 43 Resp: 3286
Ion Ratio Lower Upper
43 100
72 12.4 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.589 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY014436.D
Acq: 26 Jun 2023 16:03

Tgt Ion: 77 Resp: 4035
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

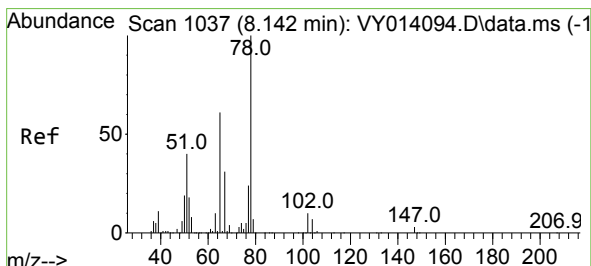
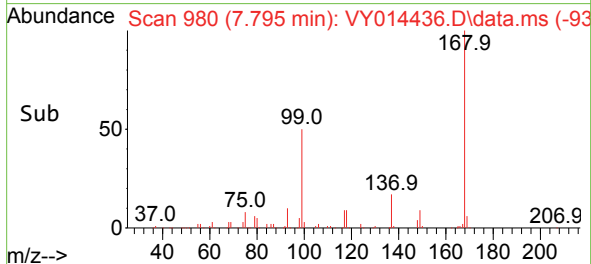
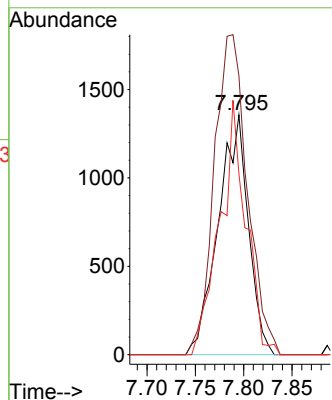
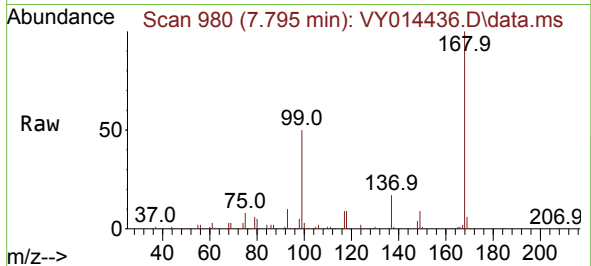




#31
Cyclohexane
Concen: 1.387 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014436.D
Acq: 26 Jun 2023 16:03

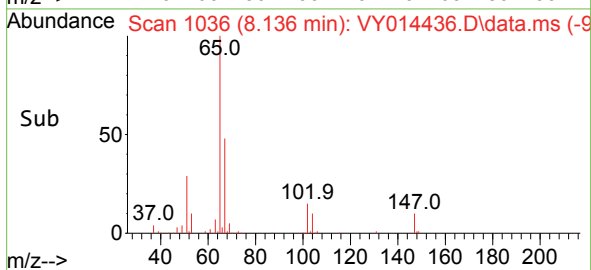
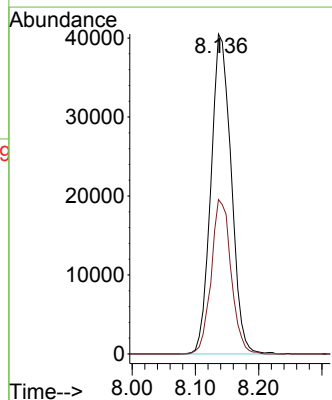
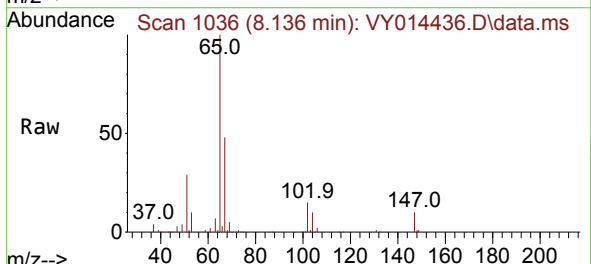
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1652

Tgt Ion: 56 Resp: 2942
Ion Ratio Lower Upper
56 100
69 116.3 27.8 41.6#
84 75.5 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 52.445 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014436.D
Acq: 26 Jun 2023 16:03

Tgt Ion: 65 Resp: 90091
Ion Ratio Lower Upper
65 100
67 47.3 0.0 101.8

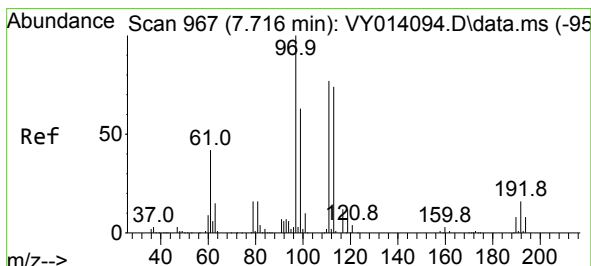
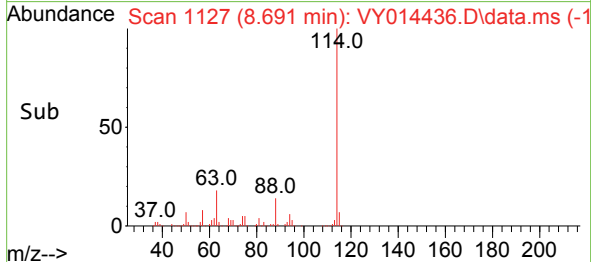
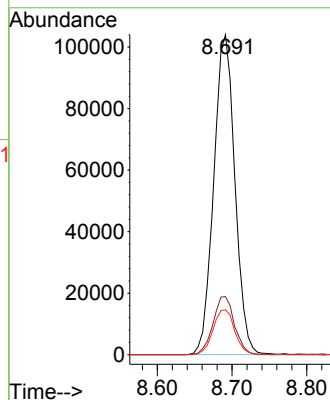
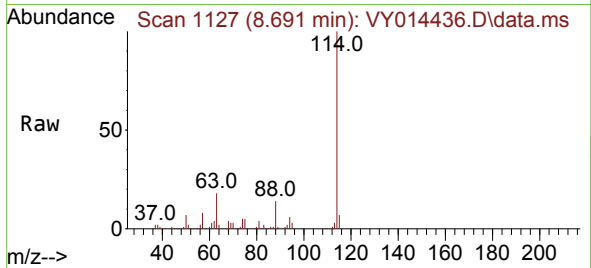




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014436.D
Acq: 26 Jun 2023 16:03

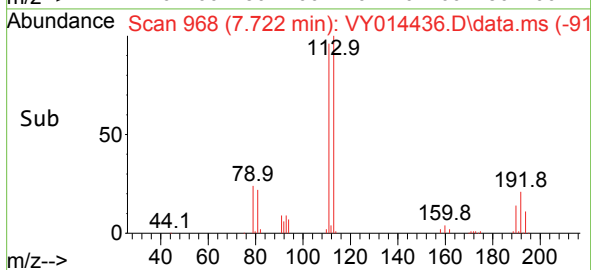
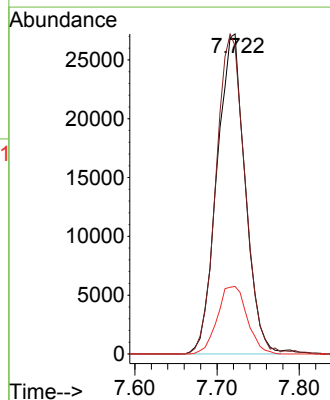
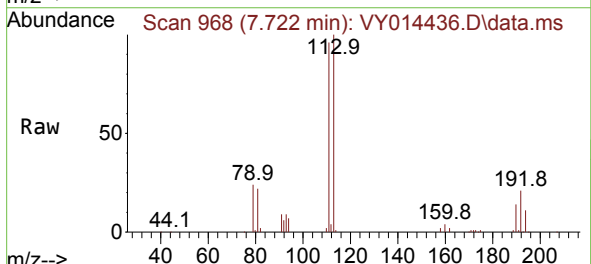
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1652

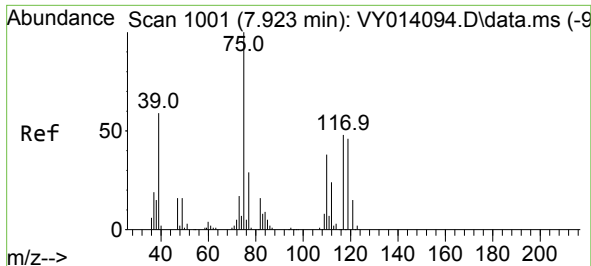
Tgt Ion:114	Resp:	204785	
Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	42.4
88	14.0	0.0	30.6



#35
Dibromofluoromethane
Concen: 51.182 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY014436.D
Acq: 26 Jun 2023 16:03

Tgt	Ion:113	Resp:	64756
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.3	121.9
192	22.3	16.9	25.3

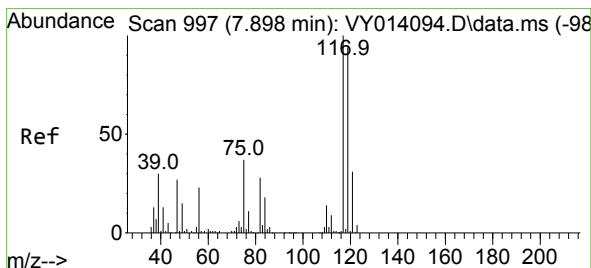
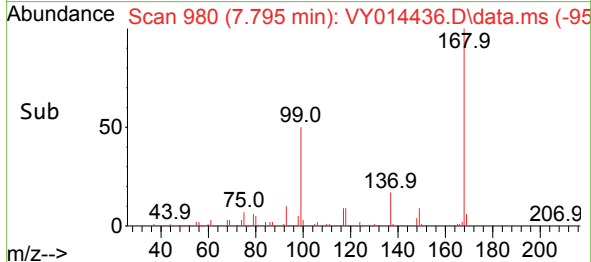
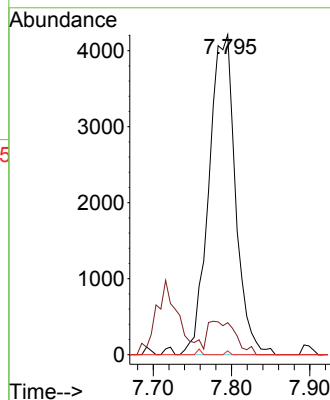
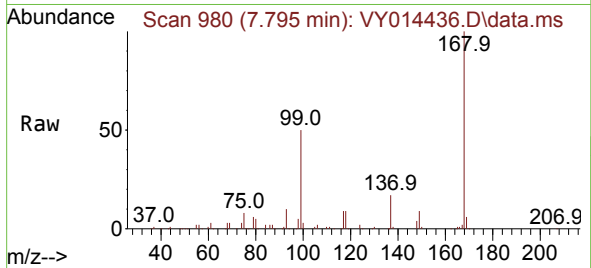




#36
 1,1-Dichloropropene
 Concen: 5.082 ug/l
 RT: 7.795 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY014436.D
 Acq: 26 Jun 2023 16:03

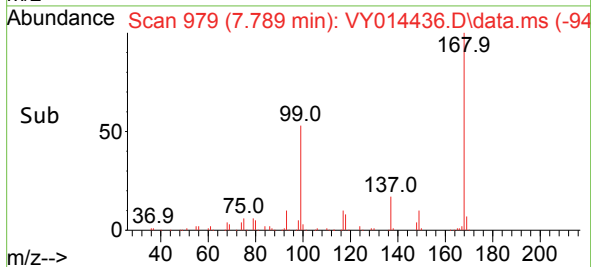
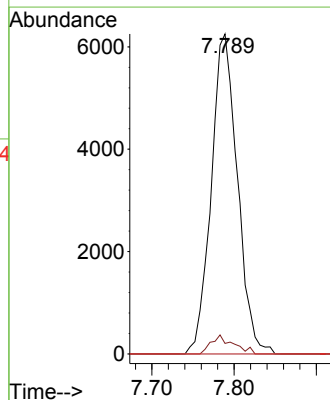
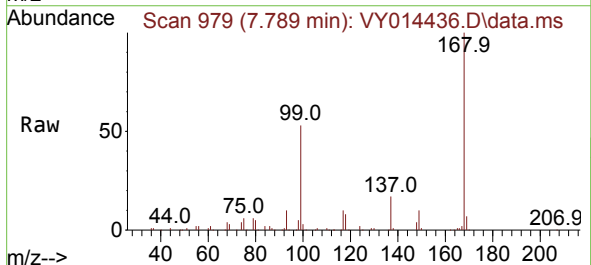
Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1652

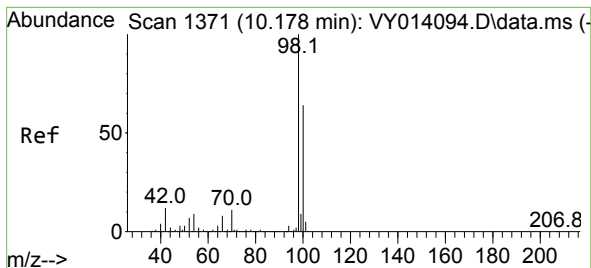
Tgt Ion: 75 Resp: 9908
 Ion Ratio Lower Upper
 75 100
 110 11.9 17.8 53.5#
 77 0.2 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.630 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.109 min
 Lab File: VY014436.D
 Acq: 26 Jun 2023 16:03

Tgt Ion: 117 Resp: 13814
 Ion Ratio Lower Upper
 117 100
 119 3.3 76.4 114.6#
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 47.811 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014436.D

Acq: 26 Jun 2023 16:03

Instrument :

MSVOA_Y

ClientSampleId :

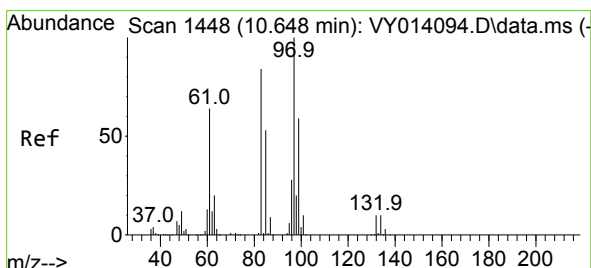
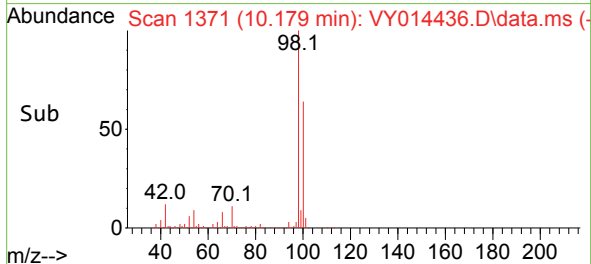
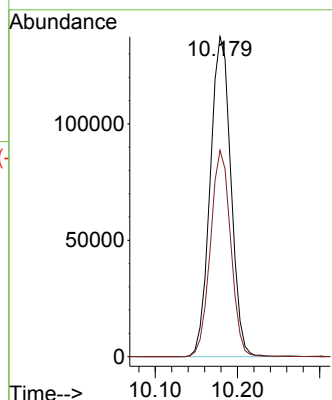
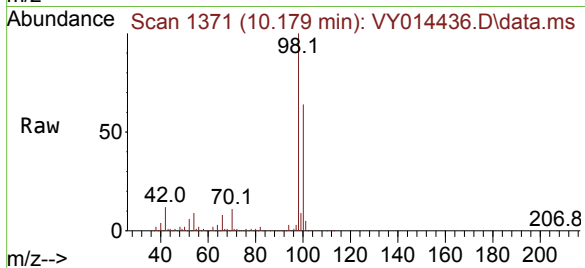
ORA-1652

Tgt Ion: 98 Resp: 240458

Ion Ratio Lower Upper

98 100

100 63.3 50.1 75.1



#55

1,1,2-Trichloroethane

Concen: 1.126 ug/l

RT: 10.612 min Scan# 1442

Delta R.T. -0.036 min

Lab File: VY014436.D

Acq: 26 Jun 2023 16:03

Tgt Ion: 97 Resp: 1341

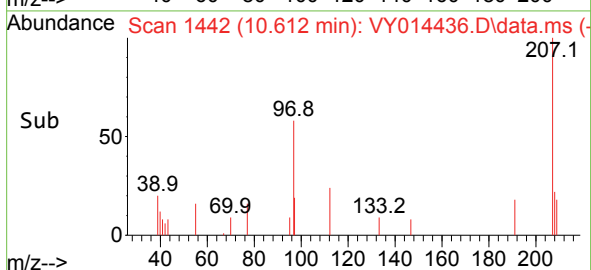
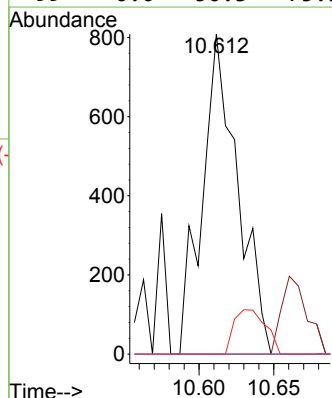
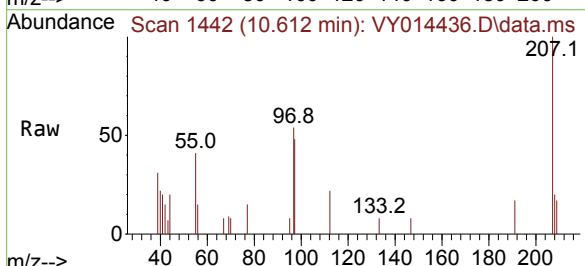
Ion Ratio Lower Upper

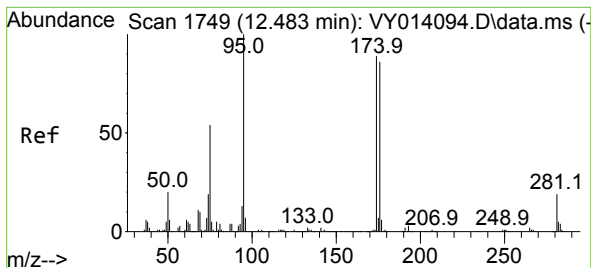
97 100

83 0.0 72.0 108.0#

85 0.0 45.4 68.0#

99 0.0 50.3 75.5#

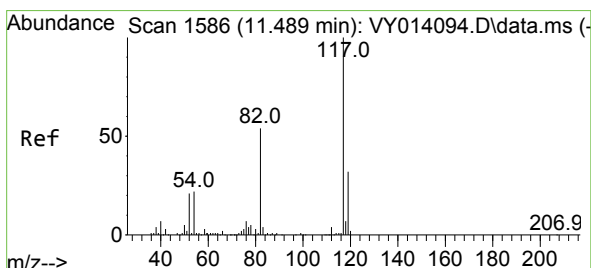
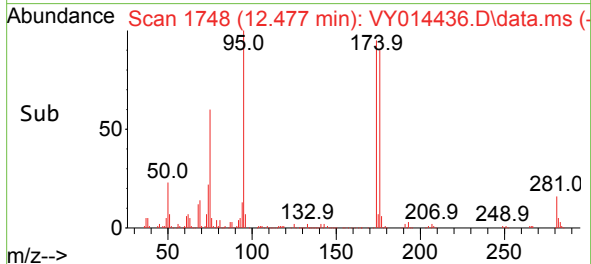
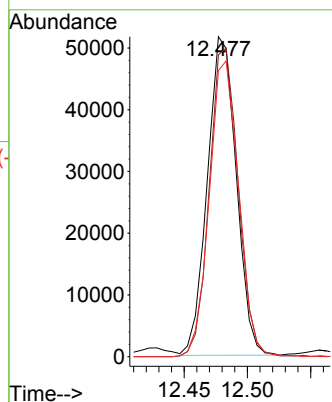
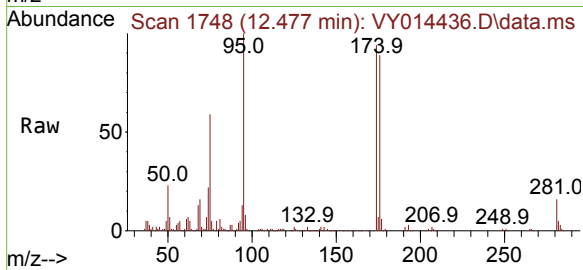




#62
4-Bromofluorobenzene
Concen: 45.716 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014436.D
Acq: 26 Jun 2023 16:03

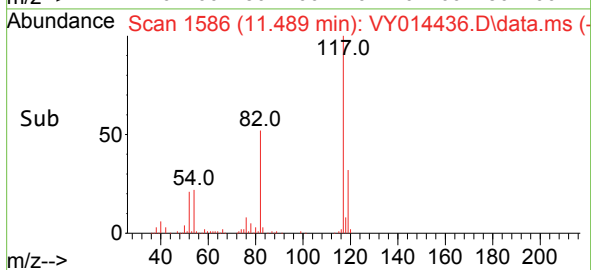
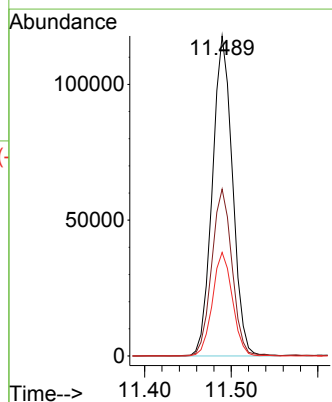
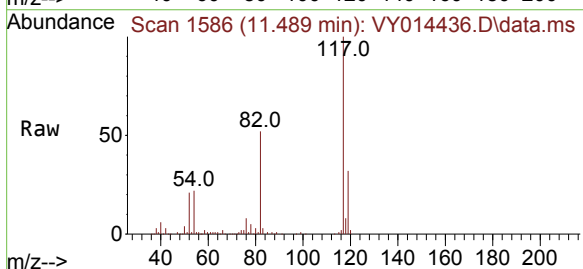
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1652

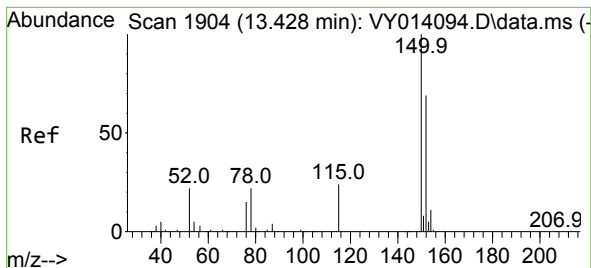
Tgt Ion: 95 Resp: 82084
Ion Ratio Lower Upper
95 100
174 96.8 0.0 178.2
176 94.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014436.D
Acq: 26 Jun 2023 16:03

Tgt Ion: 117 Resp: 190220
Ion Ratio Lower Upper
117 100
82 52.0 43.4 65.0
119 32.4 26.3 39.5

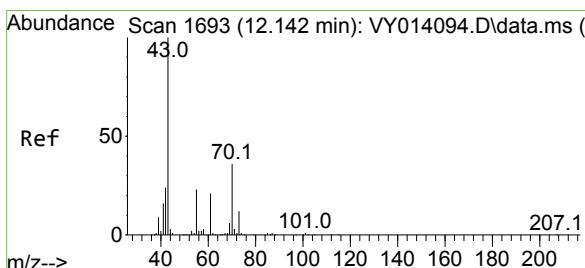
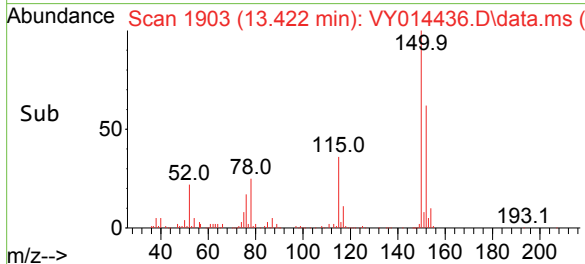
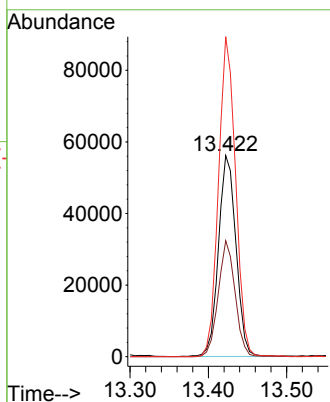
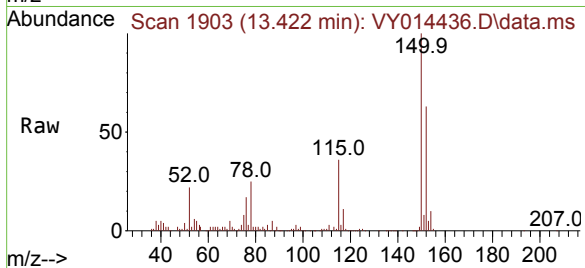




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY014436.D
Acq: 26 Jun 2023 16:03

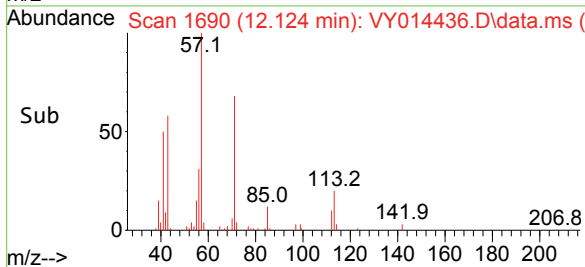
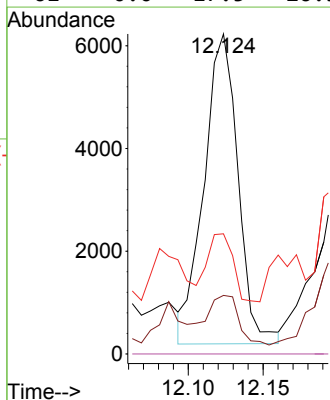
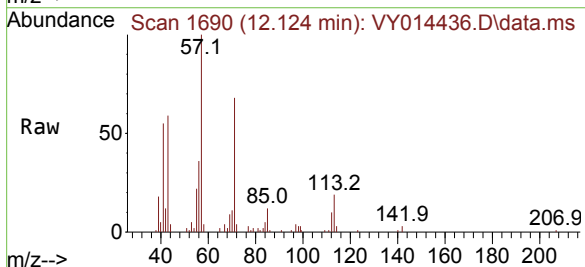
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1652

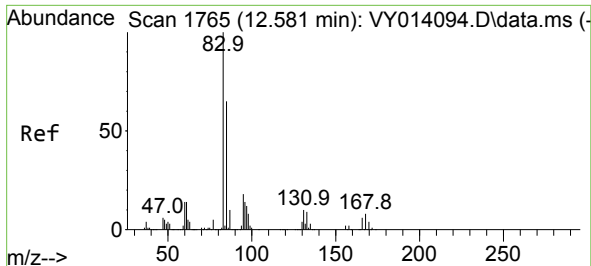
Tgt Ion:152 Resp: 87380
Ion Ratio Lower Upper
152 100
115 55.8 28.8 86.5
150 155.4 0.0 348.8



#74
N-ethyl acetate
Concen: 5.098 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY014436.D
Acq: 26 Jun 2023 16:03

Tgt Ion: 43 Resp: 9500
Ion Ratio Lower Upper
43 100
70 15.8 29.7 44.5#
55 33.4 18.3 27.5#
61 0.0 17.5 26.3#

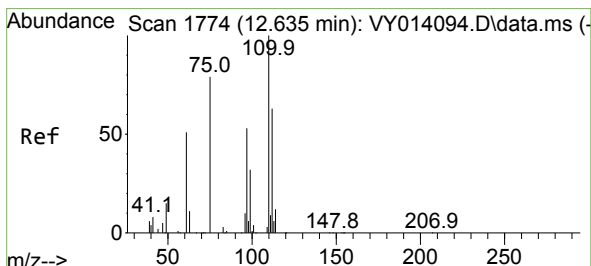
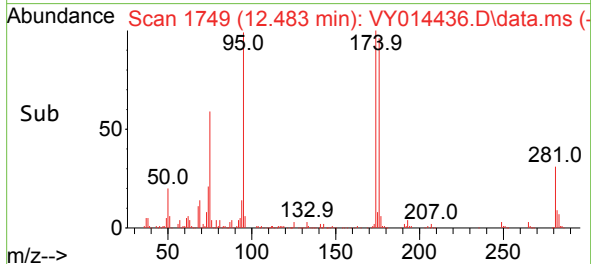
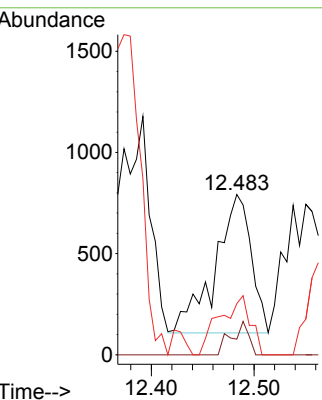
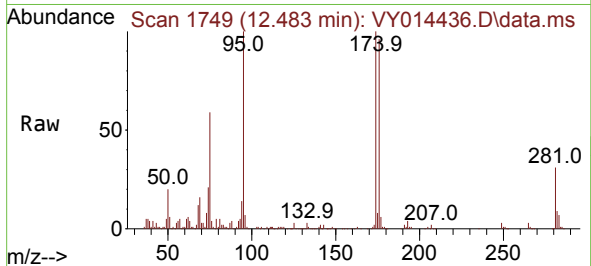




#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.333 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.098 min
 Lab File: VY014436.D
 Acq: 26 Jun 2023 16:03

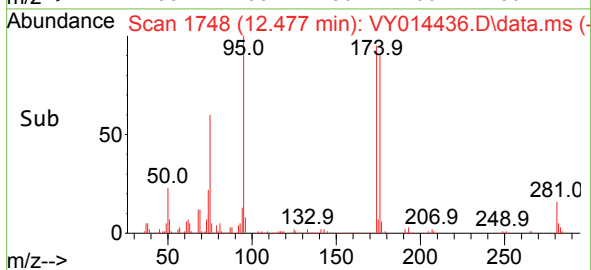
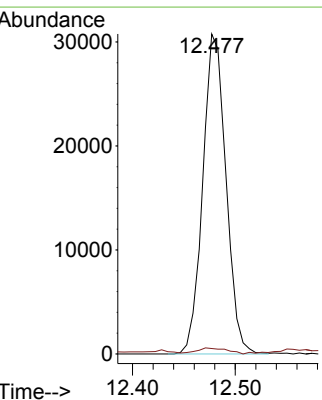
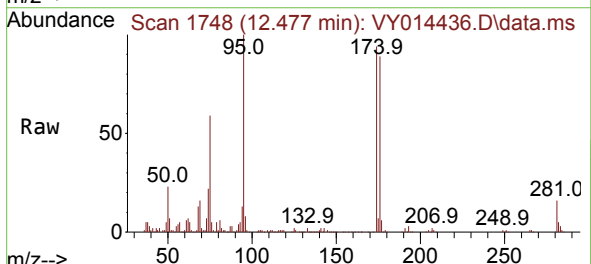
Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1652

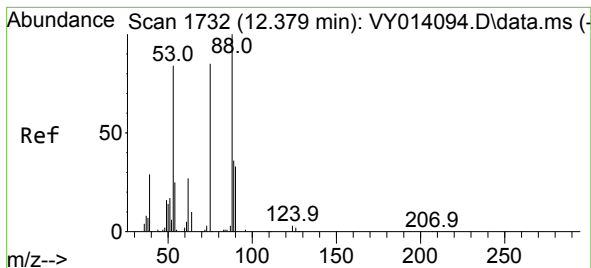
Tgt Ion: 83 Resp: 1676
 Ion Ratio Lower Upper
 83 100
 131 11.3 5.4 16.2
 85 36.2 31.8 95.4



#76
 1,2,3-Trichloropropane
 Concen: 43.987 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY014436.D
 Acq: 26 Jun 2023 16:03

Tgt Ion: 75 Resp: 48215
 Ion Ratio Lower Upper
 75 100
 77 2.5 0.0 0.0#

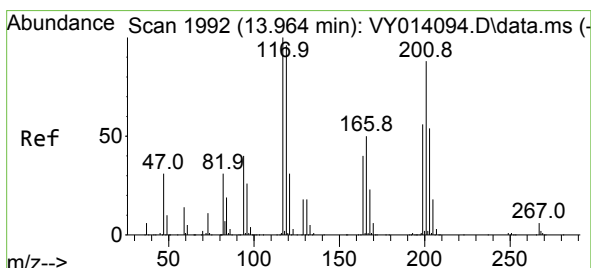
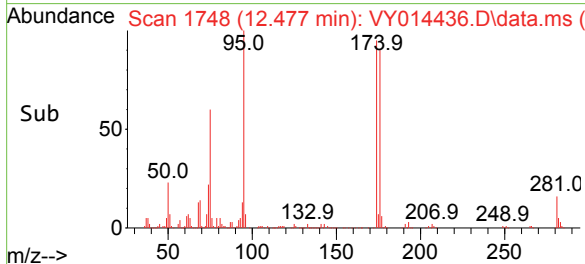
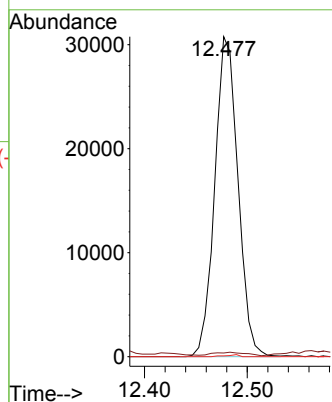
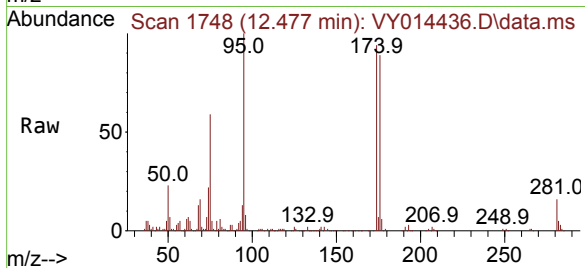




#81
trans-1,4-Dichloro-2-butene
Concen: 100.145 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY014436.D
Acq: 26 Jun 2023 16:03

Instrument :
MSVOA_Y
ClientSampleId :
ORA-1652

Tgt Ion: 75 Resp: 48215
Ion Ratio Lower Upper
75 100
53 1.5 77.8 116.8#
89 0.4 37.4 56.0#



#90
Hexachloroethane
Concen: 1.009 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.007 min
Lab File: VY014436.D
Acq: 26 Jun 2023 16:03

Tgt Ion: 117 Resp: 1049
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#

