

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121623\
 Data File : VY016676.D
 Acq On : 16 Dec 2023 18:00
 Operator : SY/MD
 Sample : 05758-19RE
 Misc : 3.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

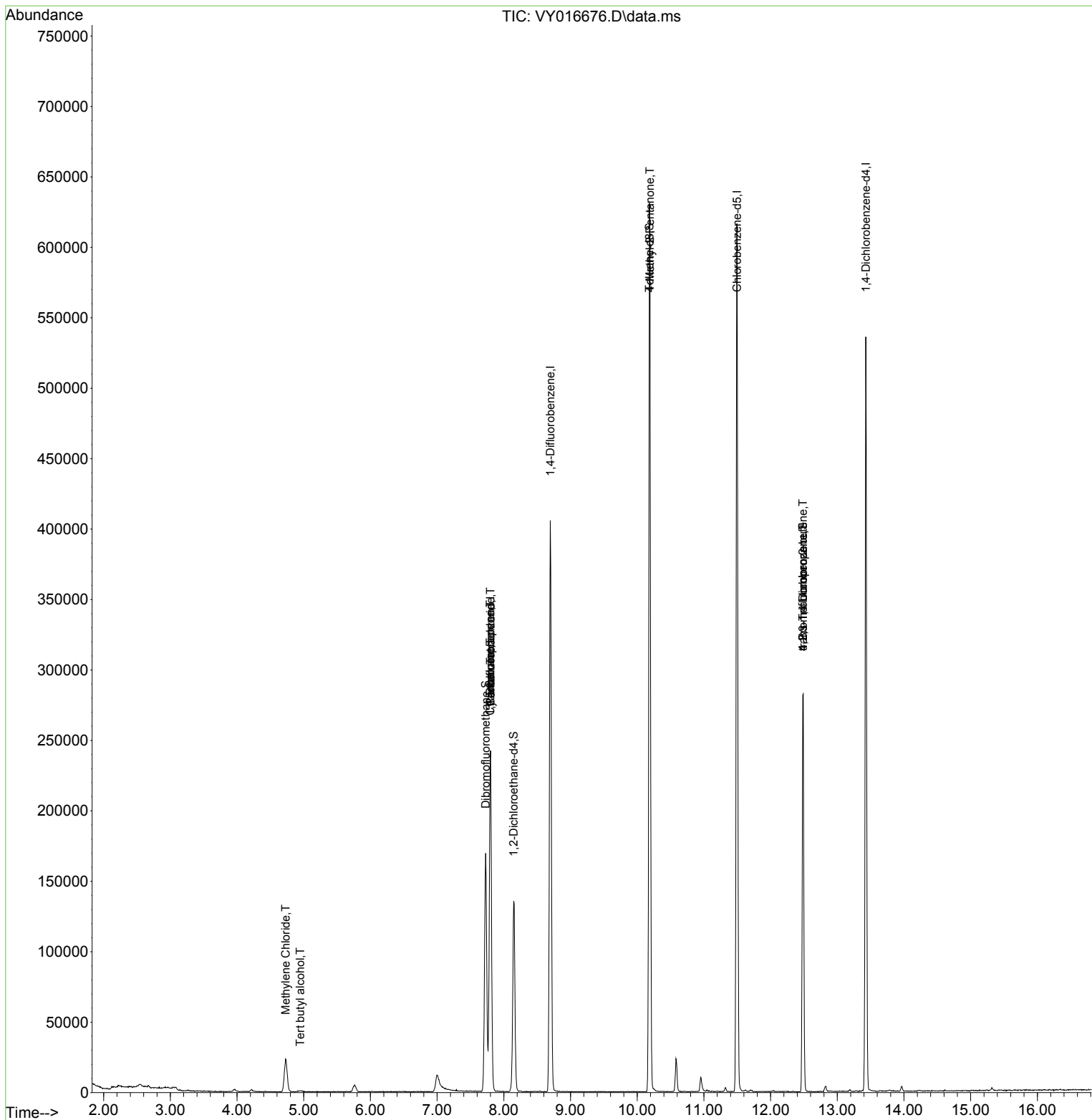
Quant Time: Dec 18 00:43:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 16 00:39:52 2023
 Response via : Initial Calibration

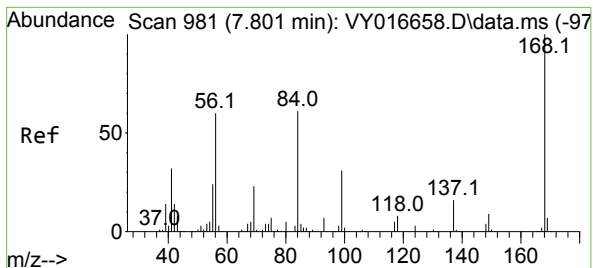
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.801	168	199753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	371633	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	360919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	143689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	101967	62.370	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.740%			
35) Dibromofluoromethane	7.728	113	120055	60.226	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 120.460%			
50) Toluene-d8	10.185	98	439282	55.648	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.300%			
62) 4-Bromofluorobenzene	12.483	95	84945	33.252	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 66.500%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.948	59	624	4.733	ug/l #	89
16) Acetone	3.966	43	2677	Below Cal		98
20) Methylene Chloride	4.728	84	18627	4.286	ug/l	86
25) 2-Butanone	7.008	43	1645	Below Cal	#	78
31) Cyclohexane	7.795	56	3229	1.001	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	13492	4.086	ug/l #	49
38) Carbon Tetrachloride	7.801	117	19461	5.868	ug/l #	17
51) 4-Methyl-2-Pentanone	10.191	43	1519	1.158	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	44647	33.922	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	44647	77.519	ug/l #	11
95) Naphthalene	15.239	128	540	Below Cal	#	69

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

Quant Time: Dec 18 00:43:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
Quant Title : SW846 8260
QLast Update : Sat Dec 16 00:39:52 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.801 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY016676.D

Acq: 16 Dec 2023 18:00

Instrument :

MSVOA_Y

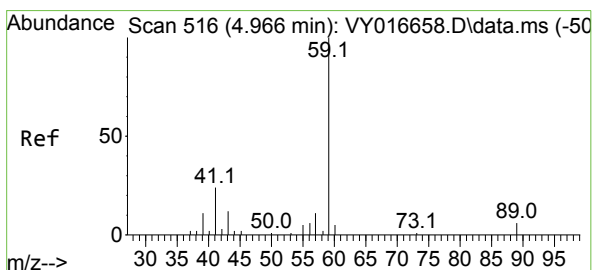
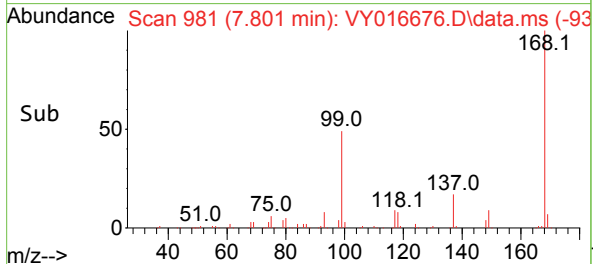
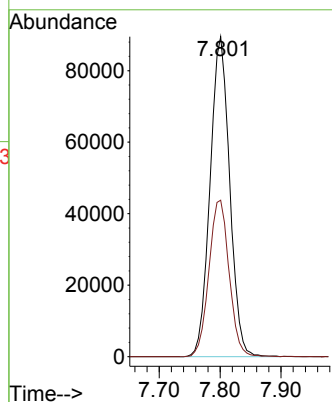
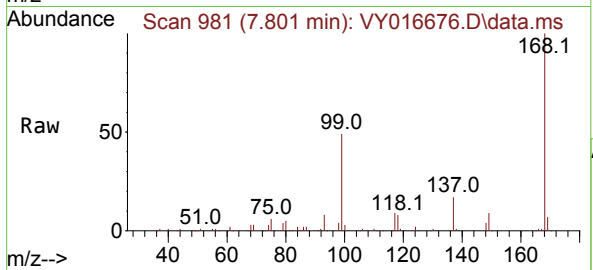
ClientSampleId :

Tgt Ion:168 Resp: 199753

Ion Ratio Lower Upper

168 100

99 48.9 43.4 65.0



#11

Tert butyl alcohol

Concen: 4.733 ug/l

RT: 4.948 min Scan# 513

Delta R.T. -0.018 min

Lab File: VY016676.D

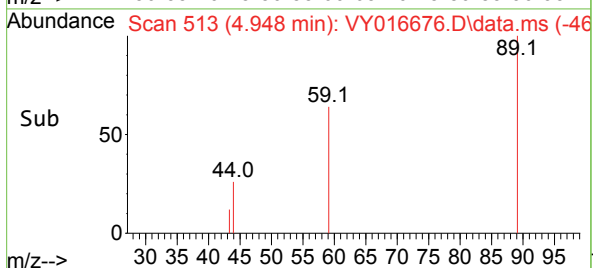
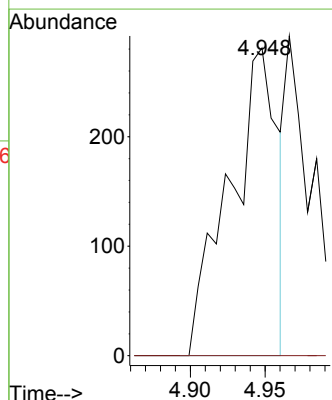
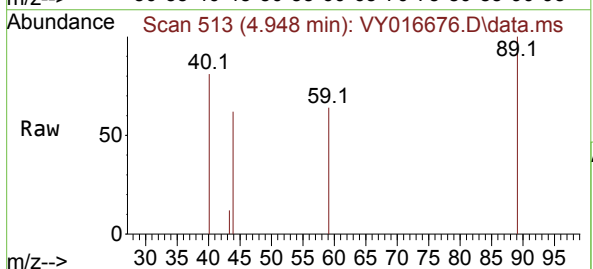
Acq: 16 Dec 2023 18:00

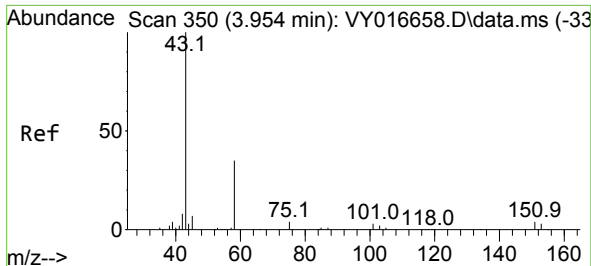
Tgt Ion: 59 Resp: 624

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#

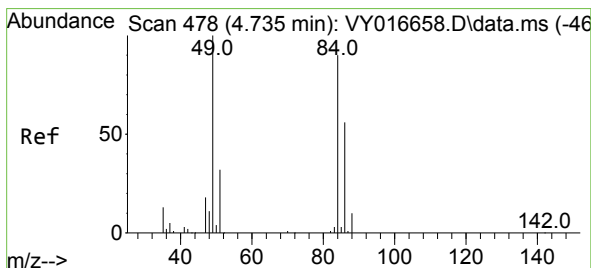
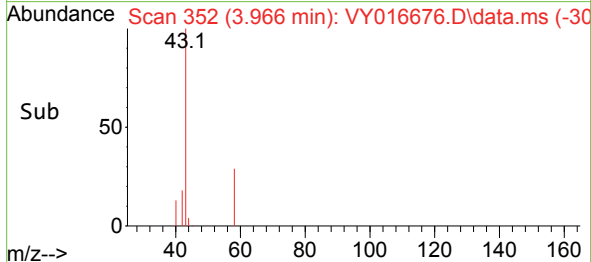
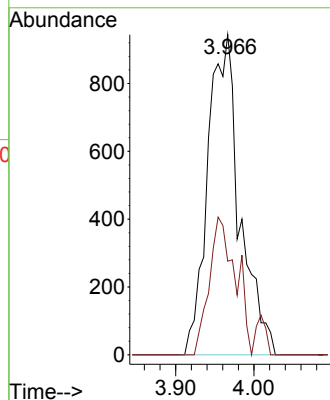
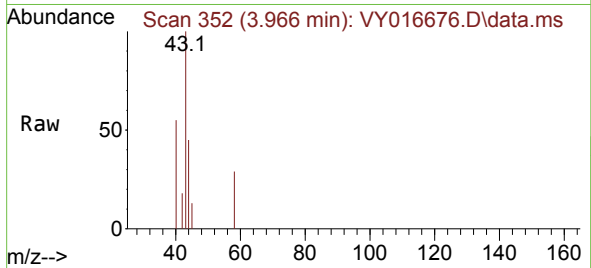




#16
Acetone
Concen: Below Cal
RT: 3.966 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY016676.D
Acq: 16 Dec 2023 18:00

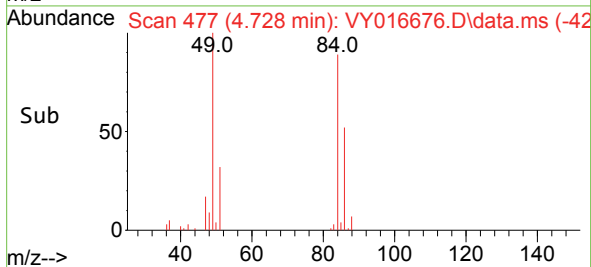
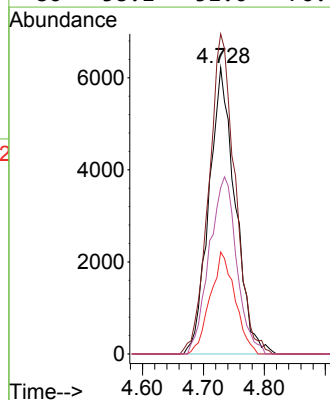
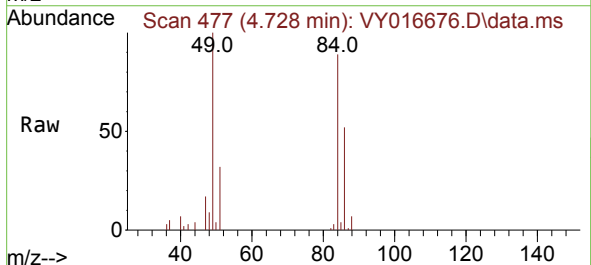
Instrument :
MSVOA_Y
ClientSampleId :

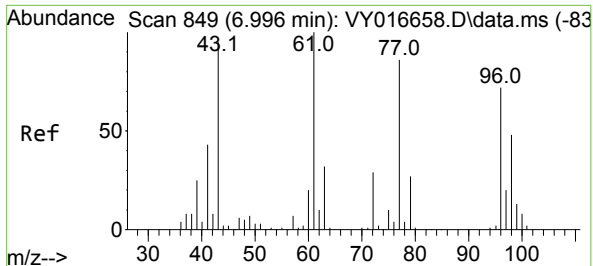
Tgt Ion: 43 Resp: 2677
Ion Ratio Lower Upper
43 100
58 29.2 22.7 34.1



#20
Methylene Chloride
Concen: 4.286 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.007 min
Lab File: VY016676.D
Acq: 16 Dec 2023 18:00

Tgt Ion: 84 Resp: 18627
Ion Ratio Lower Upper
84 100
49 111.8 106.9 160.3
51 35.6 33.2 49.8
86 58.1 51.0 76.6





#25

2-Butanone

Concen: Below Cal

RT: 7.008 min Scan# 81

Delta R.T. 0.012 min

Lab File: VY016676.D

Acq: 16 Dec 2023 18:00

Instrument :

MSVOA_Y

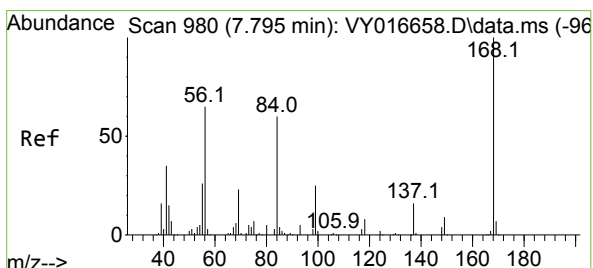
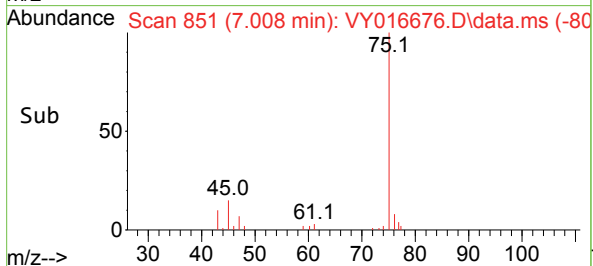
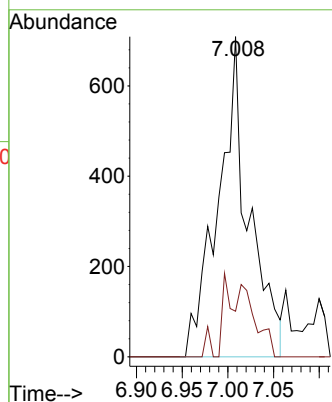
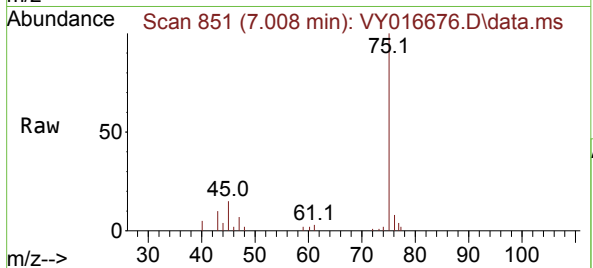
ClientSampleId :

Tgt Ion: 43 Resp: 1645

Ion Ratio Lower Upper

43 100

72 14.2 20.5 30.7#



#31

Cyclohexane

Concen: 1.001 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.000 min

Lab File: VY016676.D

Acq: 16 Dec 2023 18:00

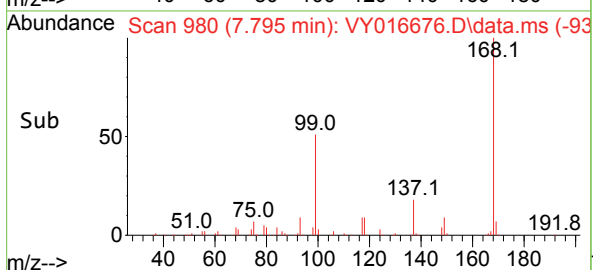
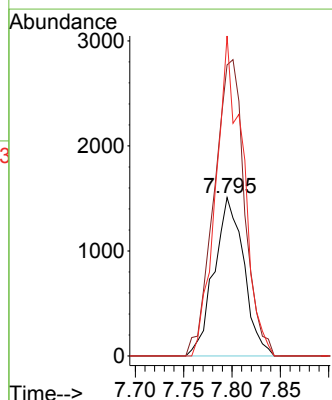
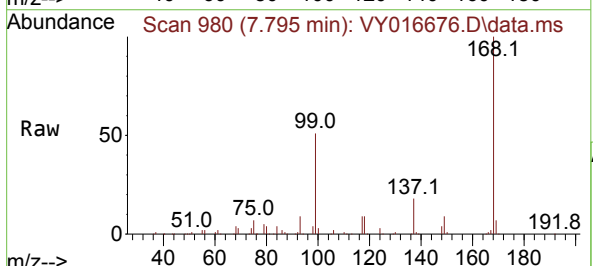
Tgt Ion: 56 Resp: 3229

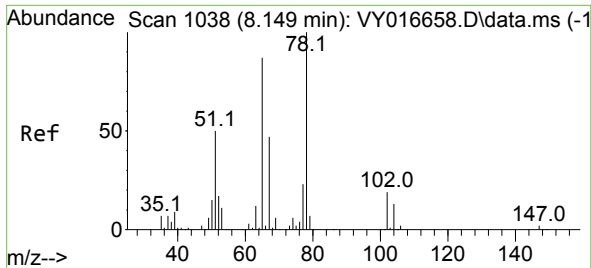
Ion Ratio Lower Upper

56 100

69 183.6 27.8 41.6#

84 201.9 66.4 99.6#

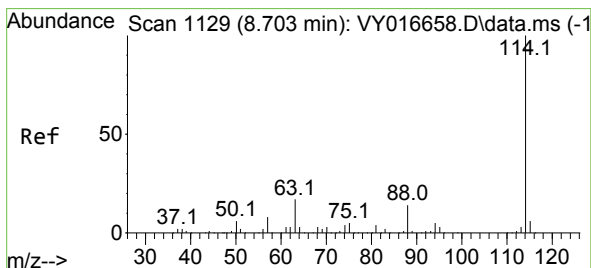
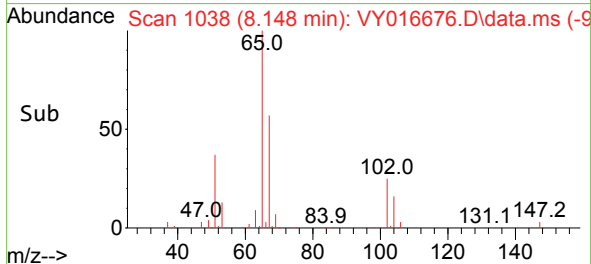
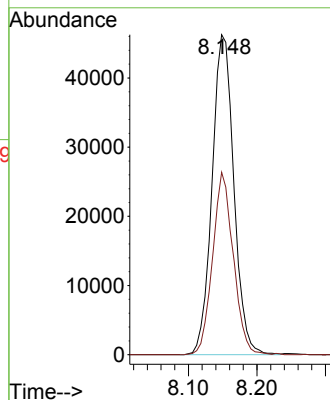
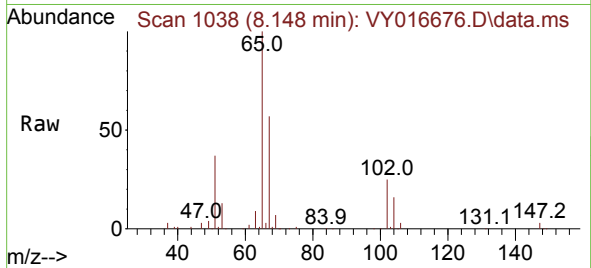




#33
 1,2-Dichloroethane-d4
 Concen: 62.370 ug/l
 RT: 8.148 min Scan# 1038
 Delta R.T. -0.001 min
 Lab File: VY016676.D
 Acq: 16 Dec 2023 18:00

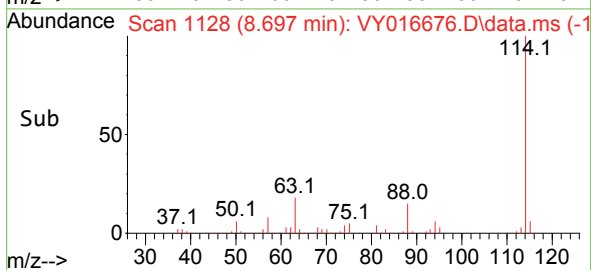
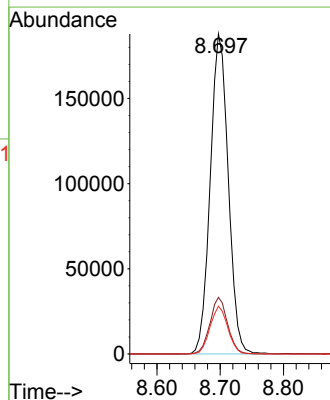
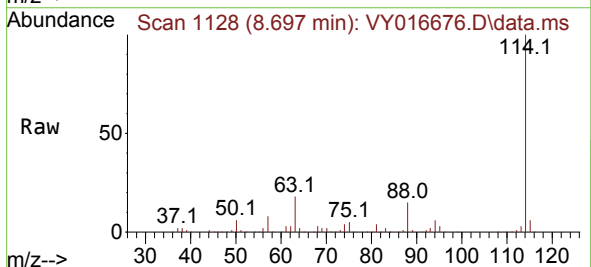
Instrument :
 MSVOA_Y
 ClientSampleId :

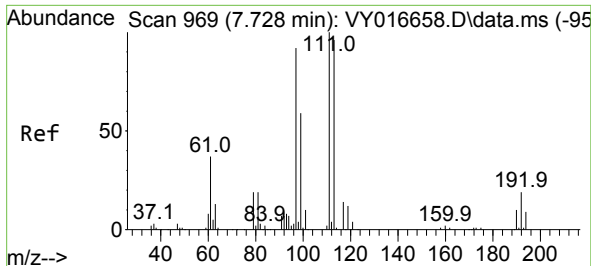
Tgt Ion: 65 Resp: 101967
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.006 min
 Lab File: VY016676.D
 Acq: 16 Dec 2023 18:00

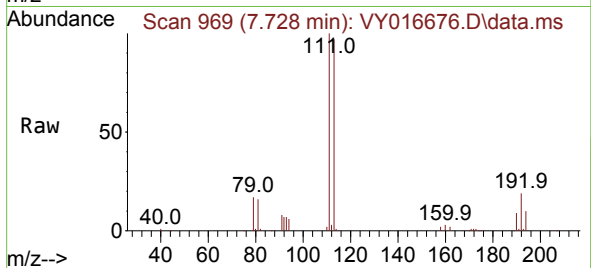
Tgt Ion: 114 Resp: 371633
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 42.4
 88 15.0 0.0 30.6



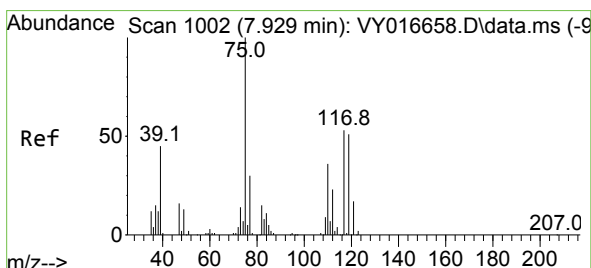
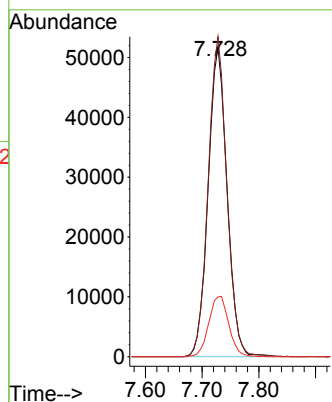
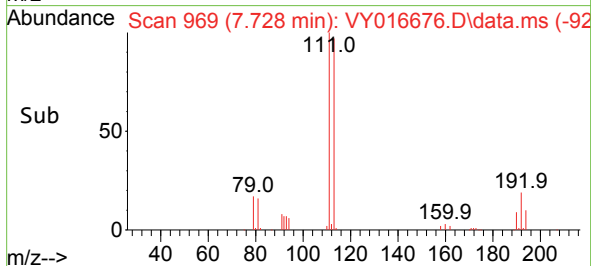


#35
Dibromofluoromethane
Concen: 60.226 ug/l
RT: 7.728 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY016676.D
Acq: 16 Dec 2023 18:00

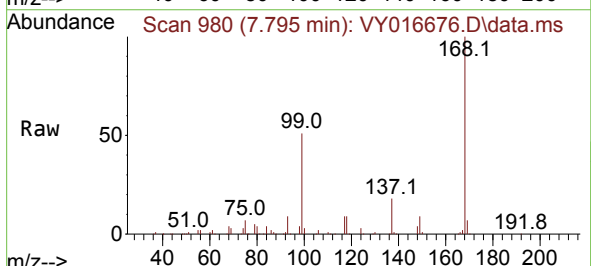
Instrument :
MSVOA_Y
ClientSampleId :



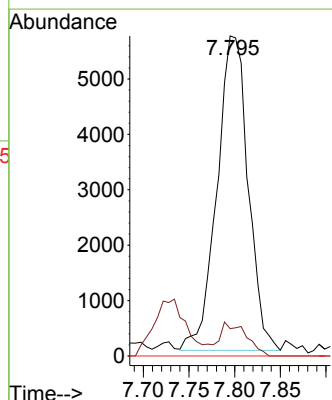
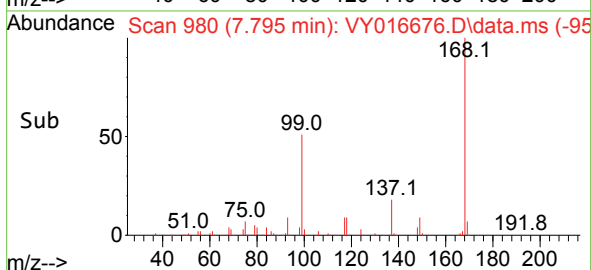
Tgt Ion:113 Resp: 120055
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 20.6 16.9 25.3

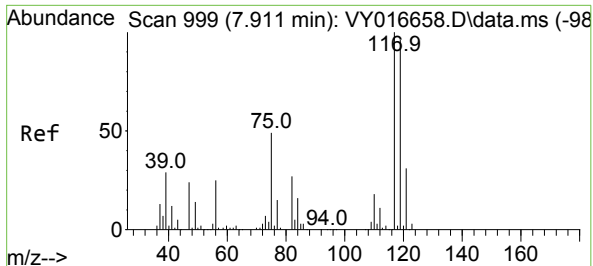


#36
1,1-Dichloropropene
Concen: 4.086 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY016676.D
Acq: 16 Dec 2023 18:00



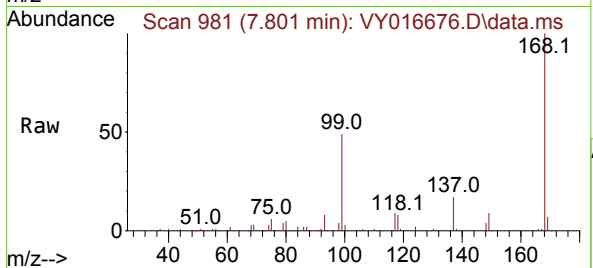
Tgt Ion: 75 Resp: 13492
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.5#
77 0.0 24.4 36.6#



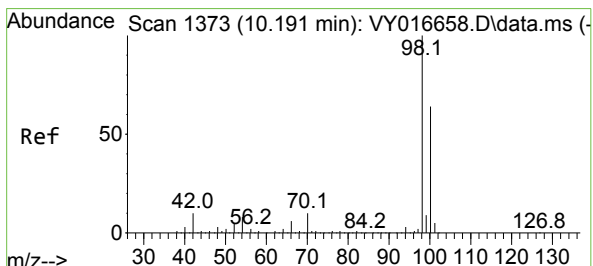
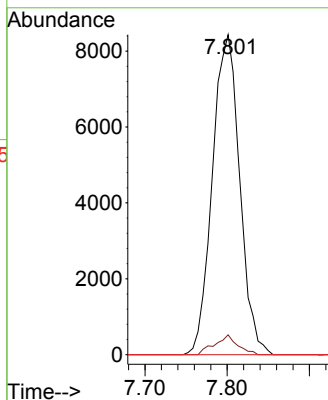
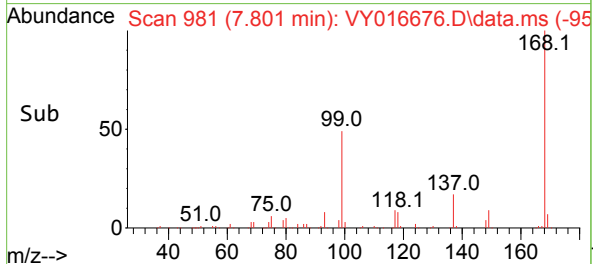


#38
Carbon Tetrachloride
Concen: 5.868 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016676.D
Acq: 16 Dec 2023 18:00

Instrument :
MSVOA_Y
ClientSampleId :

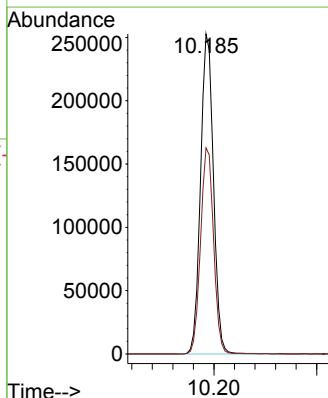
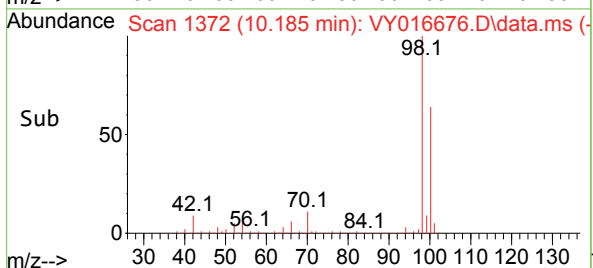
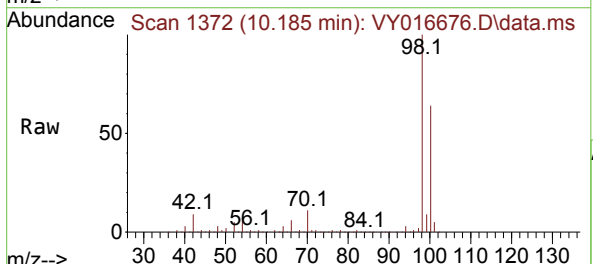


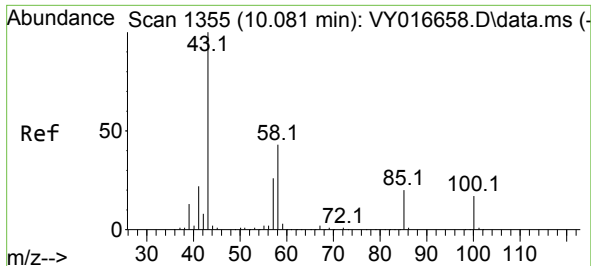
Tgt Ion:117 Resp: 19461
Ion Ratio Lower Upper
117 100
119 6.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 55.648 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY016676.D
Acq: 16 Dec 2023 18:00

Tgt Ion: 98 Resp: 439282
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1

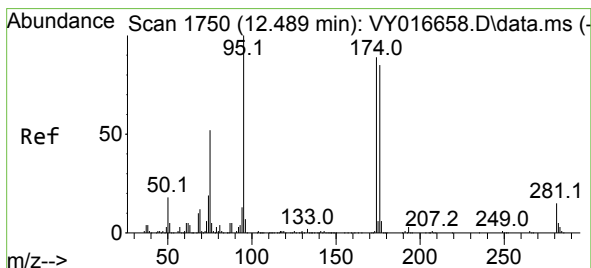
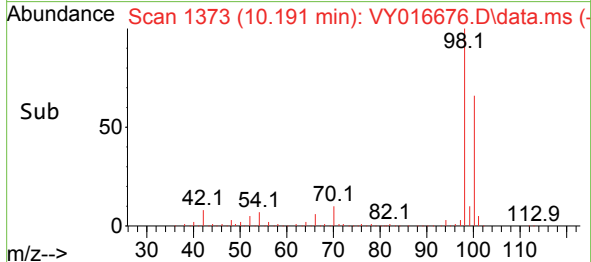
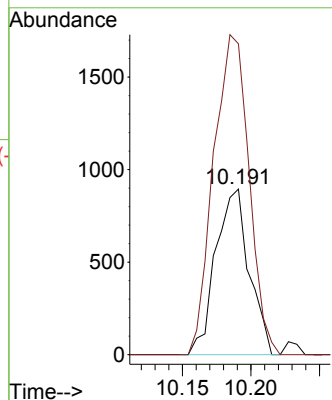
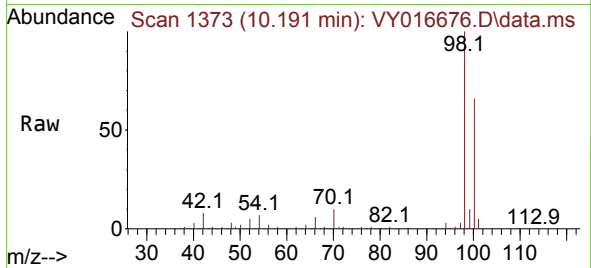




#51
4-Methyl-2-Pentanone
Concen: 1.158 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY016676.D
Acq: 16 Dec 2023 18:00

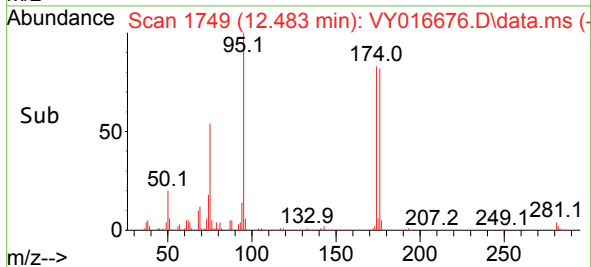
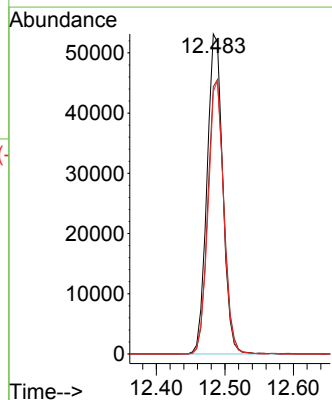
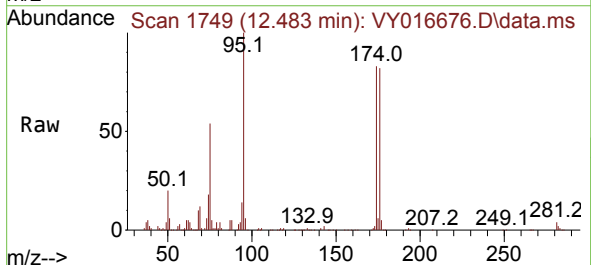
Instrument :
MSVOA_Y
ClientSampleId :

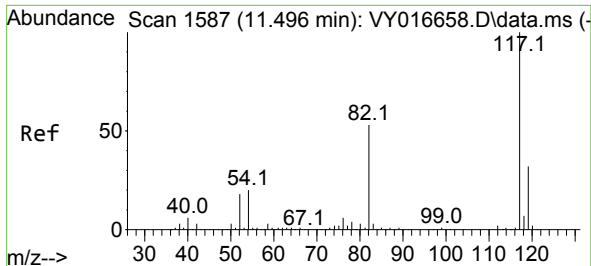
Tgt Ion: 43 Resp: 1519
Ion Ratio Lower Upper
43 100
58 204.9 29.0 43.6#



#62
4-Bromofluorobenzene
Concen: 33.252 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY016676.D
Acq: 16 Dec 2023 18:00

Tgt Ion: 95 Resp: 84945
Ion Ratio Lower Upper
95 100
174 87.4 0.0 178.2
176 84.3 0.0 173.8

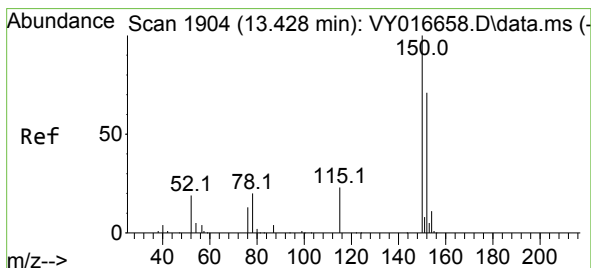
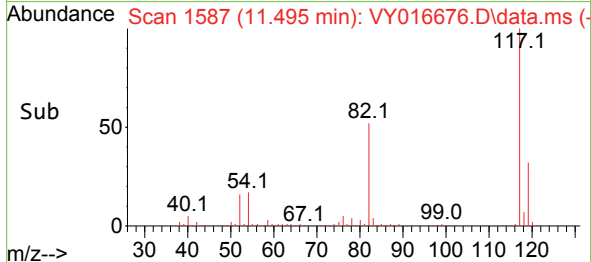
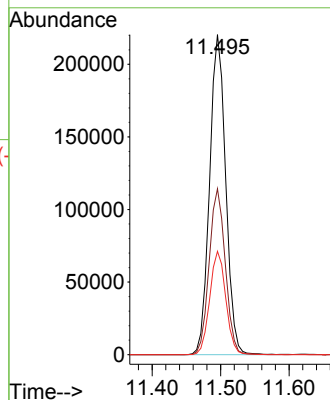
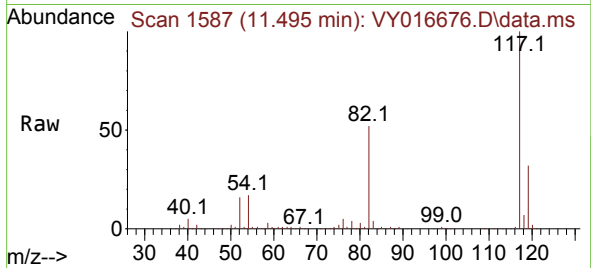




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016676.D
Acq: 16 Dec 2023 18:00

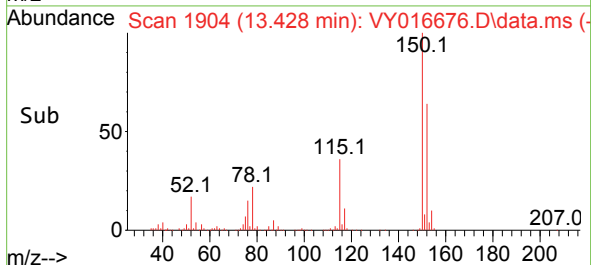
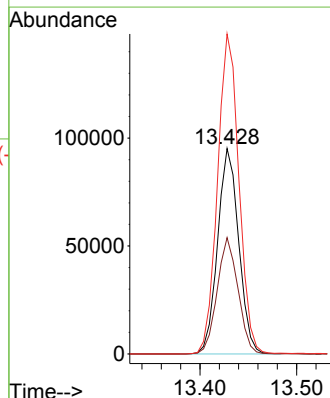
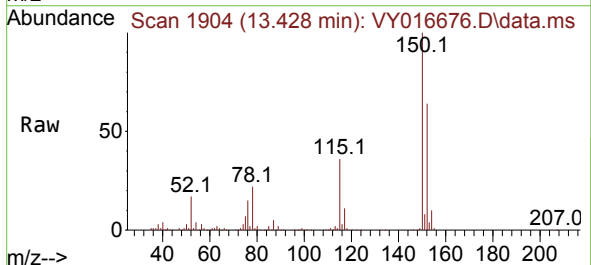
Instrument :
MSVOA_Y
ClientSampleId :

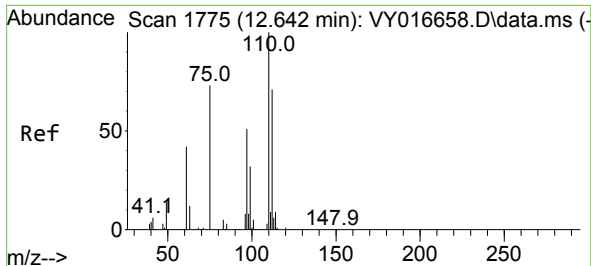
Tgt Ion:117 Resp: 360919
Ion Ratio Lower Upper
117 100
82 51.8 43.4 65.0
119 32.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY016676.D
Acq: 16 Dec 2023 18:00

Tgt Ion:152 Resp: 143689
Ion Ratio Lower Upper
152 100
115 56.0 28.8 86.5
150 158.1 0.0 348.8

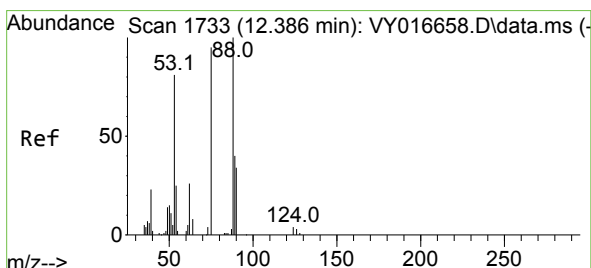
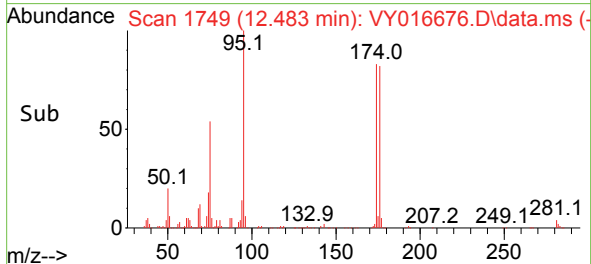
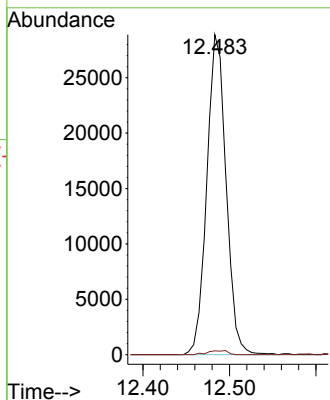
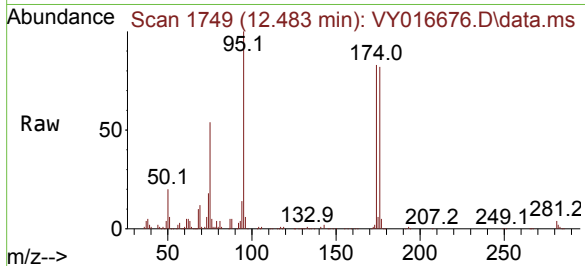




#76
1,2,3-Trichloropropane
Concen: 33.922 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.159 min
Lab File: VY016676.D
Acq: 16 Dec 2023 18:00

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 44647
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.519 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY016676.D
Acq: 16 Dec 2023 18:00

Tgt Ion: 75 Resp: 44647
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.2 37.4 56.0#

