

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122723\
 Data File : VY016877.D
 Acq On : 27 Dec 2023 15:00
 Operator : SY/MD
 Sample : 05994-09RE
 Misc : 7.41g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-C-GRABRE

Quant Time: Dec 28 03:45:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

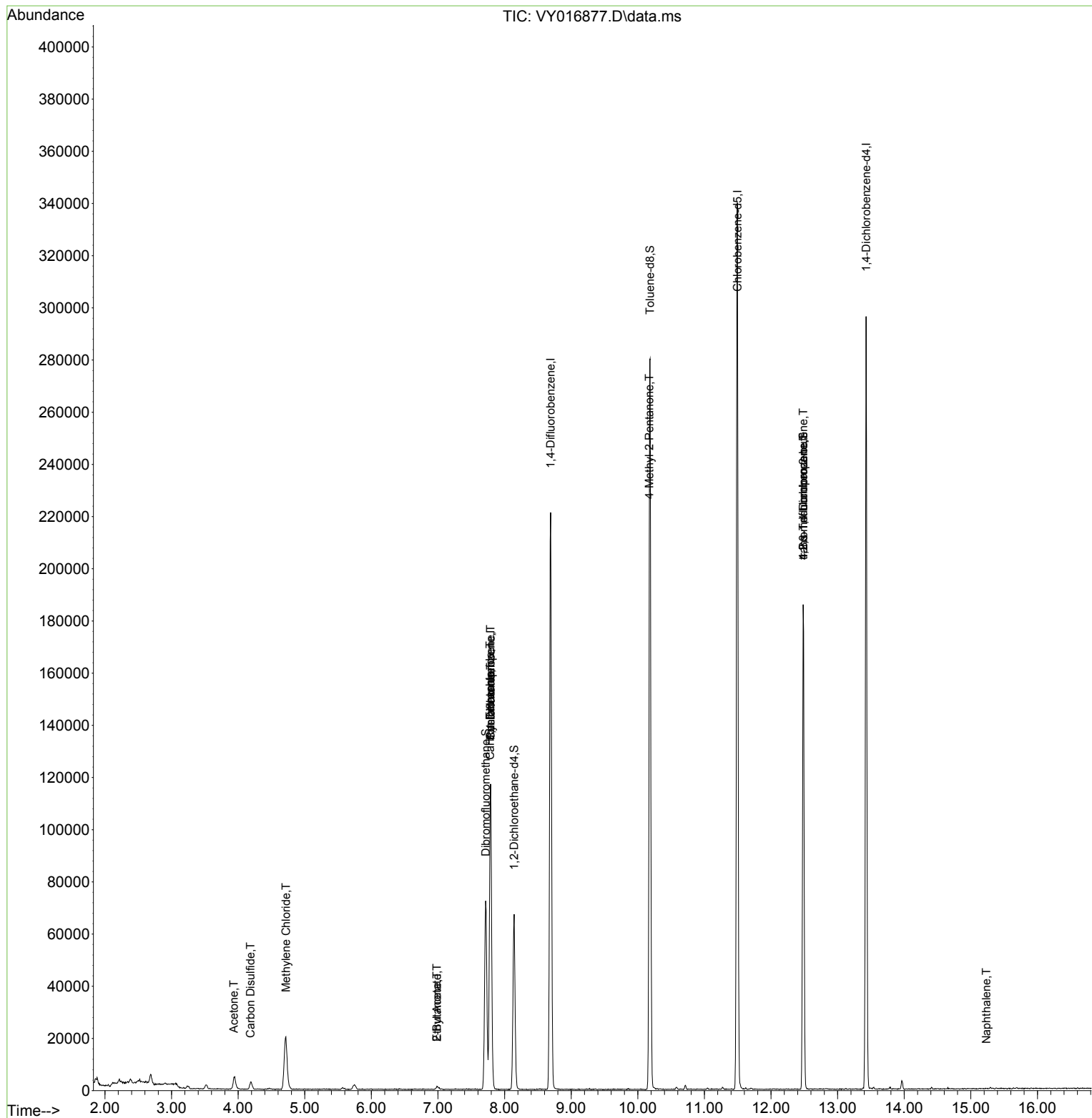
Internal Standards						
1) Pentafluorobenzene	7.789	168	86717	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	188179	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	183444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	71497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	49590	62.643	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.280%			
35) Dibromofluoromethane	7.716	113	52529	48.731	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.460%			
50) Toluene-d8	10.185	98	185804	47.816	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.640%			
62) 4-Bromofluorobenzene	12.483	95	57141	45.325	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.660%			
Target Compounds					Qvalue	
16) Acetone	3.936	43	8653	40.422	ug/l	90
17) Carbon Disulfide	4.186	76	5499	2.469	ug/l	98
20) Methylene Chloride	4.716	84	14819	10.953	ug/l	96
25) 2-Butanone	6.984	43	1969	6.681	ug/l	97
31) Cyclohexane	7.789	56	2136	1.408	ug/l #	26
36) 1,1-Dichloropropene	7.789	75	8045	4.655	ug/l #	50
37) Ethyl Acetate	6.984	43	1969	2.658	ug/l #	69
38) Carbon Tetrachloride	7.783	117	8964	5.242	ug/l #	17
51) 4-Methyl-2-Pentanone	10.173	43	881	1.149	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	31095	39.343	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	31095	92.394	ug/l #	12
95) Naphthalene	15.233	128	82	3.627	ug/l #	69

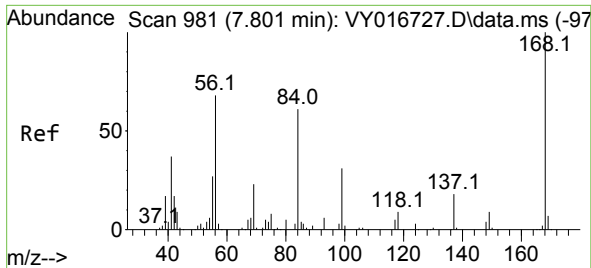
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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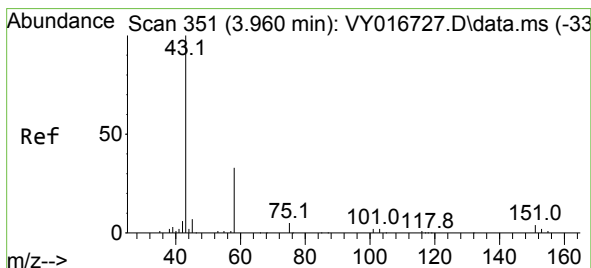
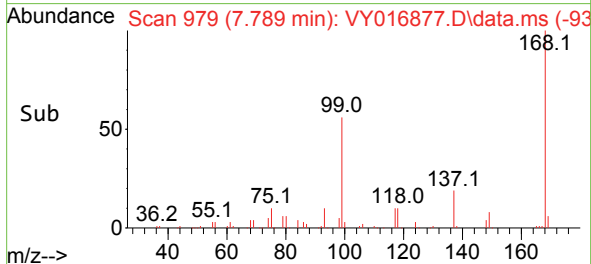
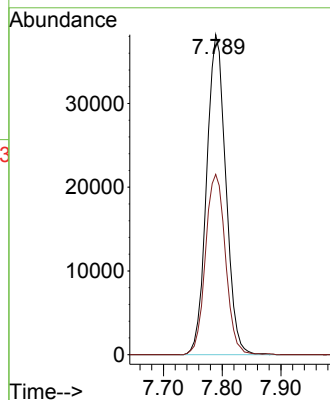
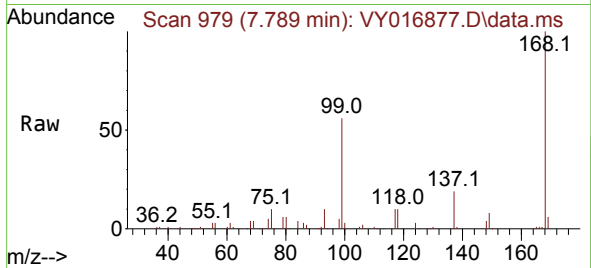




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY016877.D
Acq: 27 Dec 2023 15:00

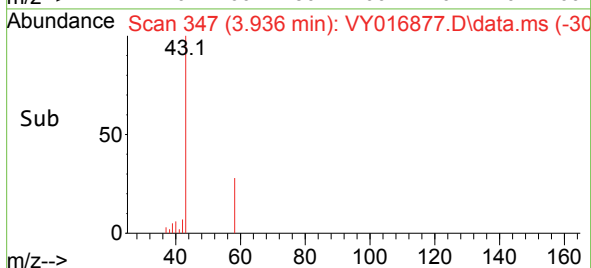
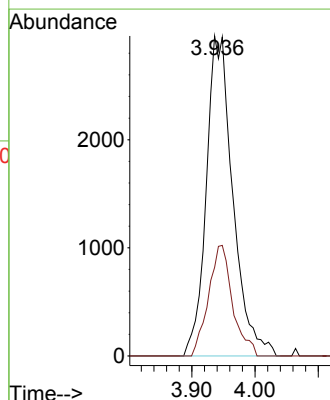
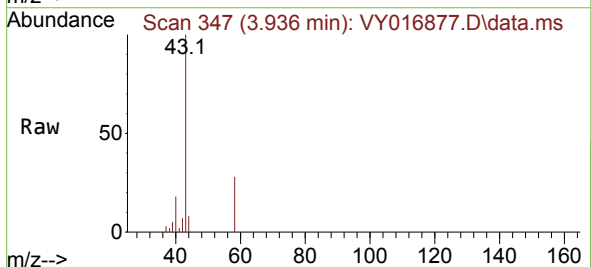
Instrument :
MSVOA_Y
ClientSampleId :
WC-C-GRABRE

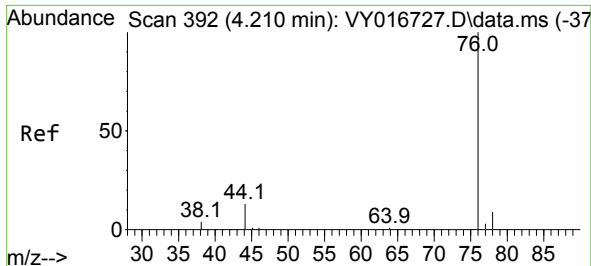
Tgt Ion:168 Resp: 86717
Ion Ratio Lower Upper
168 100
99 56.4 44.2 66.4



#16
Acetone
Concen: 40.422 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.024 min
Lab File: VY016877.D
Acq: 27 Dec 2023 15:00

Tgt Ion: 43 Resp: 8653
Ion Ratio Lower Upper
43 100
58 27.6 26.6 39.8

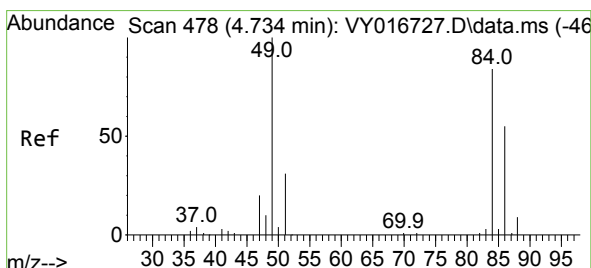
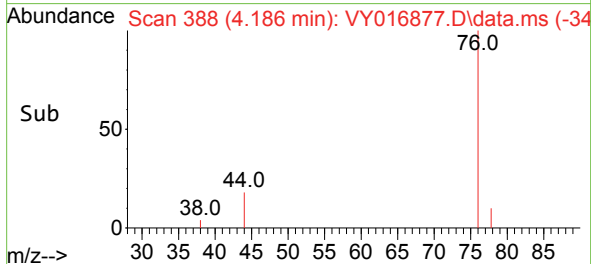
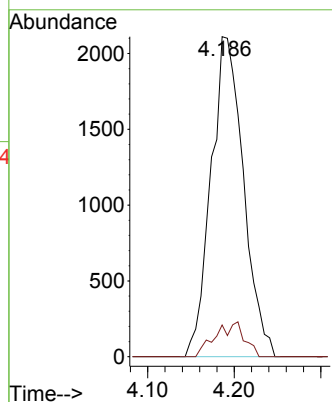
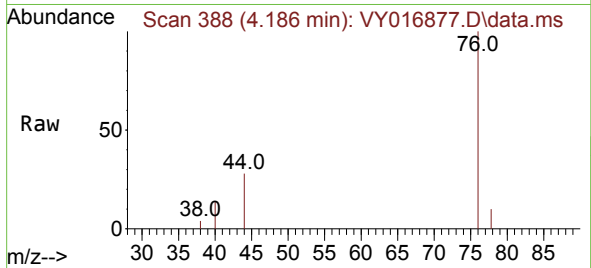




#17
Carbon Disulfide
Concen: 2.469 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.024 min
Lab File: VY016877.D
Acq: 27 Dec 2023 15:00

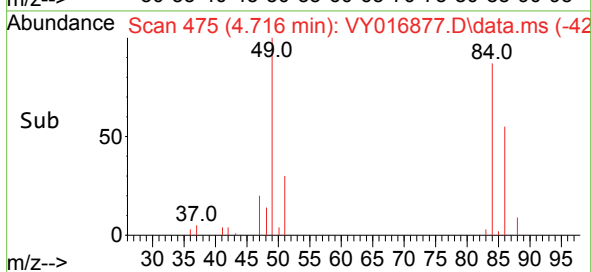
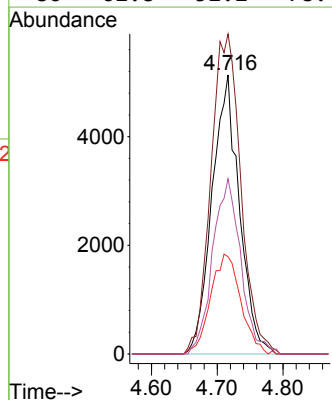
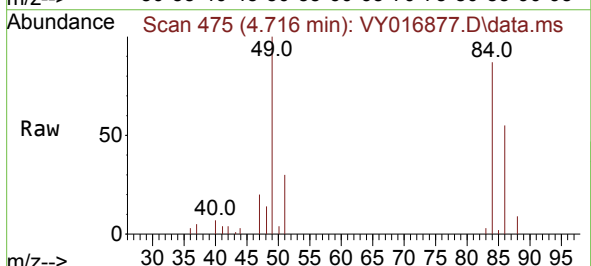
Instrument :
MSVOA_Y
ClientSampleId :
WC-C-GRABRE

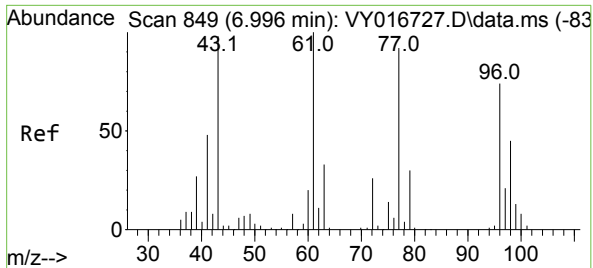
Tgt Ion: 76 Resp: 5499
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.0



#20
Methylene Chloride
Concen: 10.953 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.018 min
Lab File: VY016877.D
Acq: 27 Dec 2023 15:00

Tgt Ion: 84 Resp: 14819
Ion Ratio Lower Upper
84 100
49 114.7 95.2 142.8
51 34.9 29.9 44.9
86 62.8 52.2 78.4





#25

2-Butanone

Concen: 6.681 ug/l

RT: 6.984 min Scan# 849

Delta R.T. -0.012 min

Lab File: VY016877.D

Acq: 27 Dec 2023 15:00

Instrument :

MSVOA_Y

ClientSampleId :

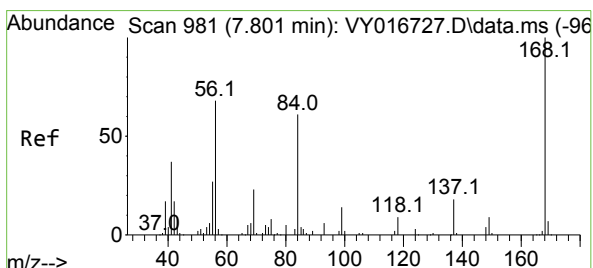
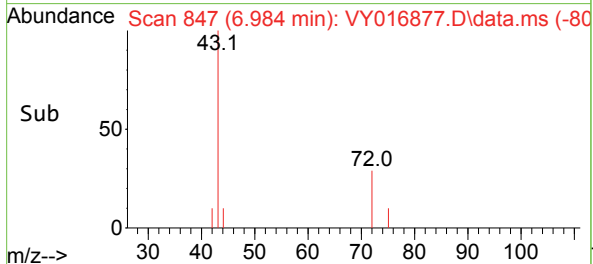
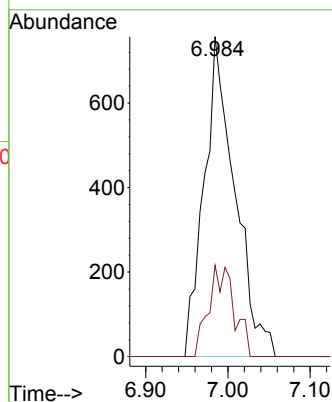
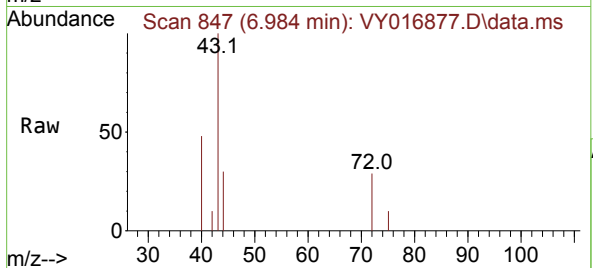
WC-C-GRABRE

Tgt Ion: 43 Resp: 1969

Ion Ratio Lower Upper

43 100

72 28.5 21.4 32.2



#31

Cyclohexane

Concen: 1.408 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.012 min

Lab File: VY016877.D

Acq: 27 Dec 2023 15:00

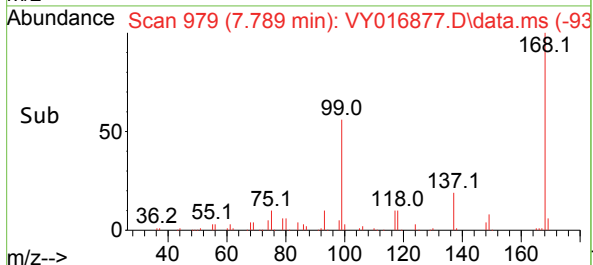
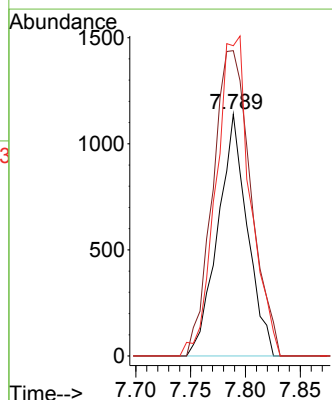
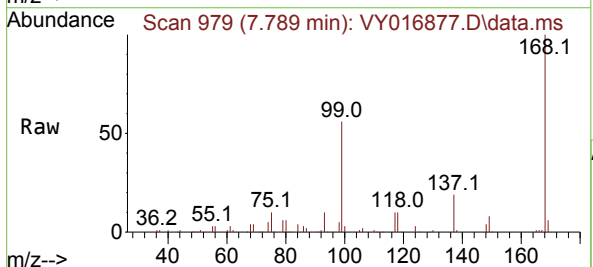
Tgt Ion: 56 Resp: 2136

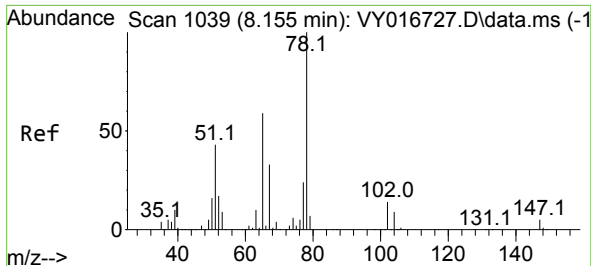
Ion Ratio Lower Upper

56 100

69 126.3 27.0 40.6#

84 128.4 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 62.643 ug/l

RT: 8.143 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY016877.D

Acq: 27 Dec 2023 15:00

Instrument :

MSVOA_Y

ClientSampleId :

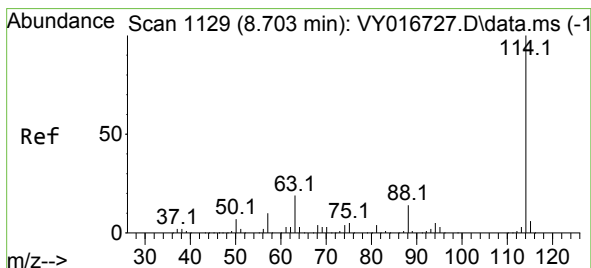
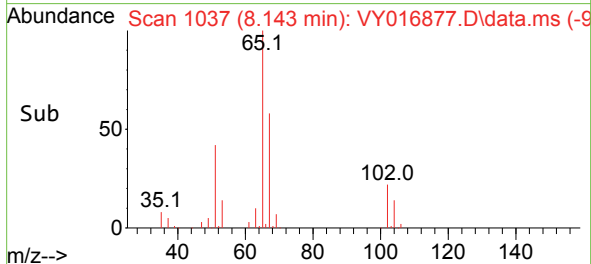
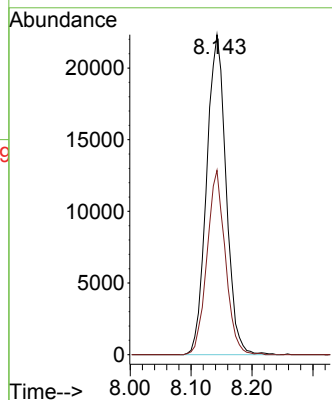
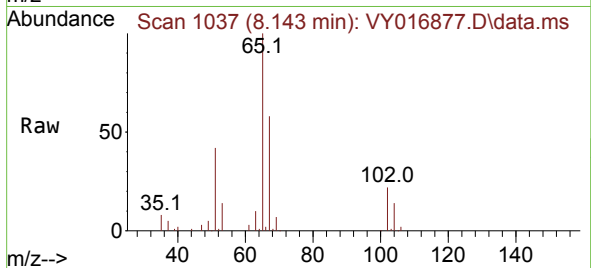
WC-C-GRABRE

Tgt Ion: 65 Resp: 49590

Ion Ratio Lower Upper

65 100

67 54.3 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.012 min

Lab File: VY016877.D

Acq: 27 Dec 2023 15:00

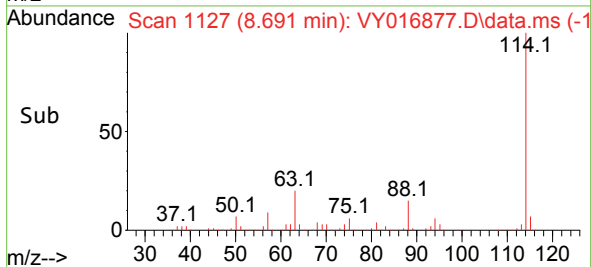
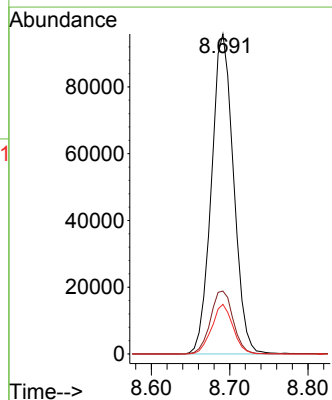
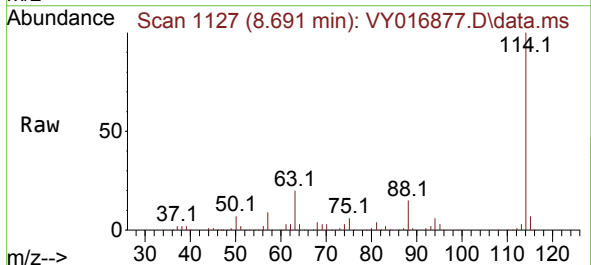
Tgt Ion: 114 Resp: 188179

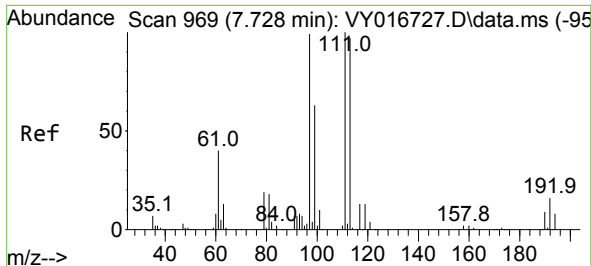
Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.4

88 15.5 0.0 29.0

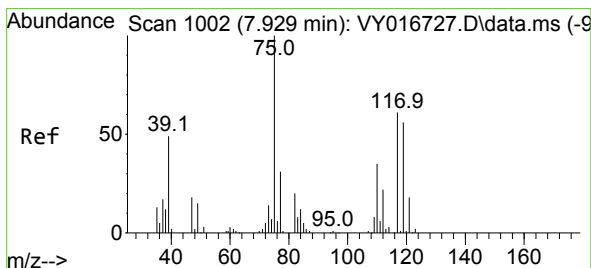
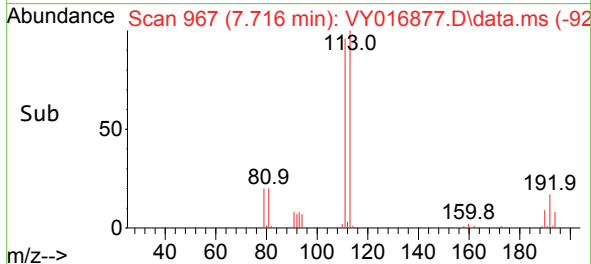
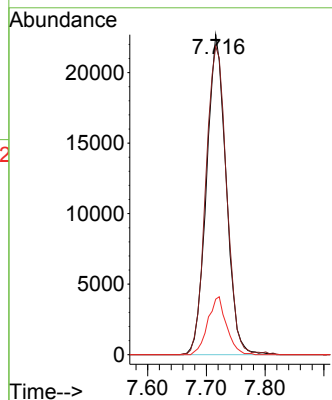
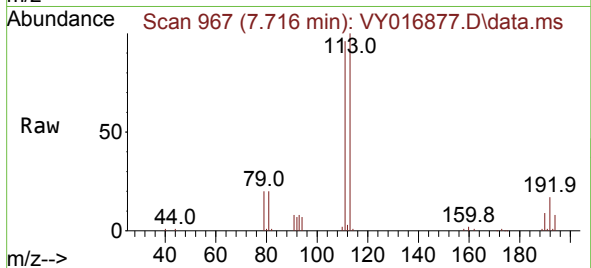




#35
Dibromofluoromethane
Concen: 48.731 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY016877.D
Acq: 27 Dec 2023 15:00

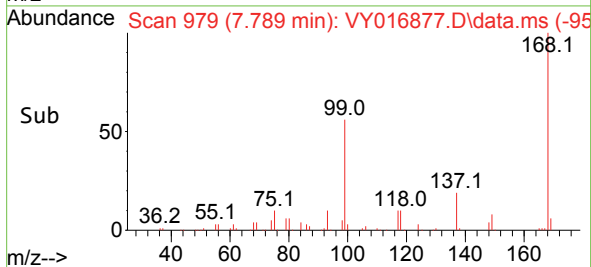
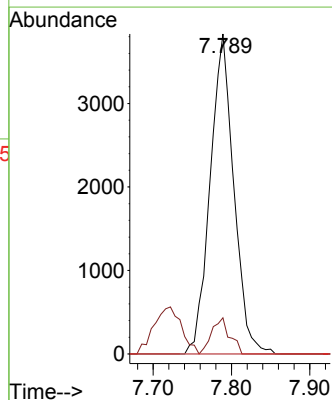
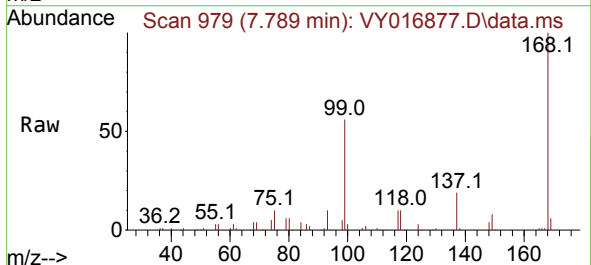
Instrument :
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ClientSampleId :
WC-C-GRABRE

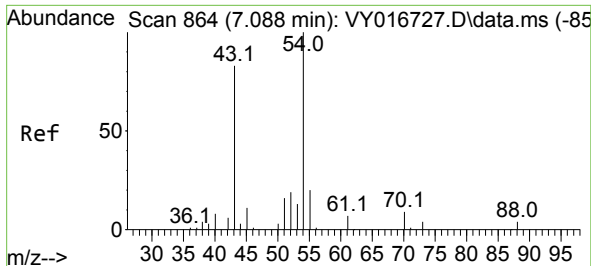
Tgt Ion:113 Resp: 52529
Ion Ratio Lower Upper
113 100
111 102.1 83.8 125.6
192 17.3 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.655 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.140 min
Lab File: VY016877.D
Acq: 27 Dec 2023 15:00

Tgt Ion: 75 Resp: 8045
Ion Ratio Lower Upper
75 100
110 8.6 17.4 52.3#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.658 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.103 min

Lab File: VY016877.D

Acq: 27 Dec 2023 15:00

Instrument :

MSVOA_Y

ClientSampleId :

WC-C-GRABRE

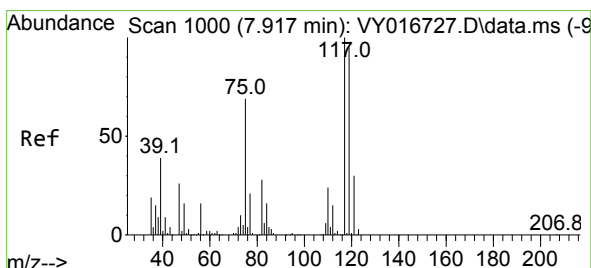
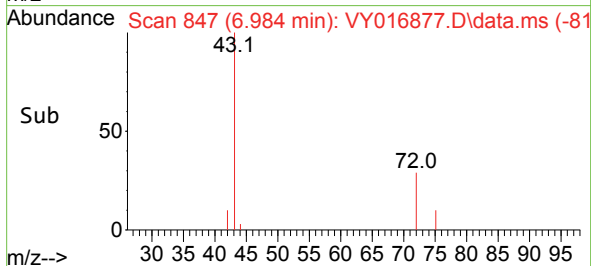
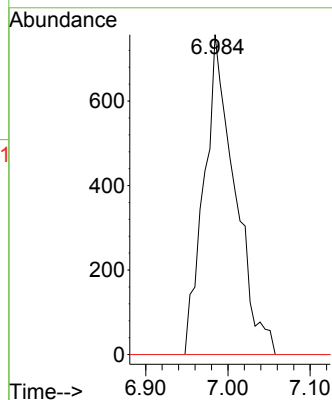
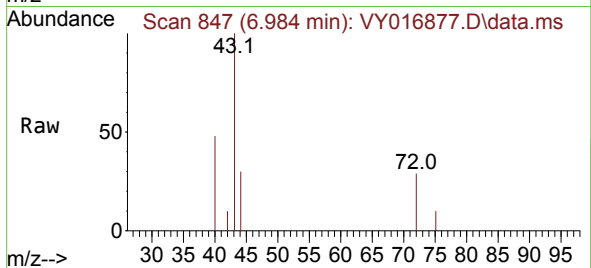
Tgt Ion: 43 Resp: 1969

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

70 0.0 8.1 12.1#



#38

Carbon Tetrachloride

Concen: 5.242 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.134 min

Lab File: VY016877.D

Acq: 27 Dec 2023 15:00

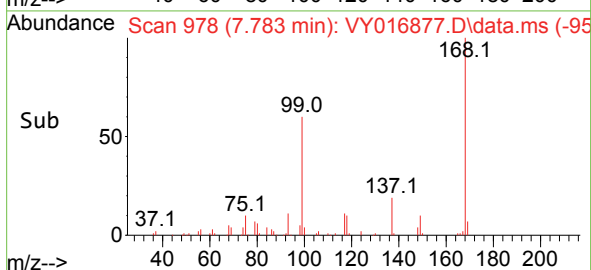
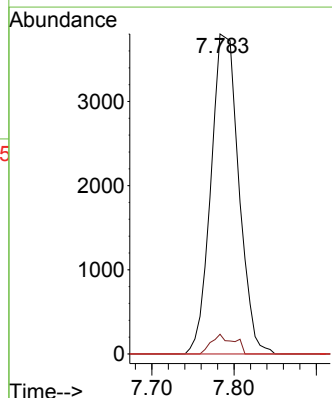
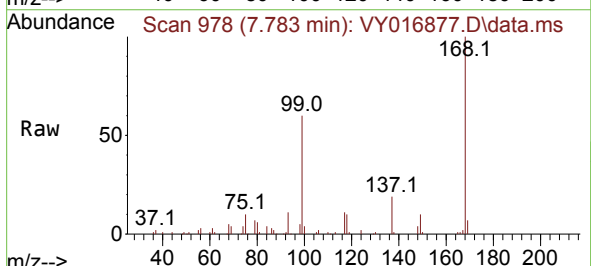
Tgt Ion: 117 Resp: 8964

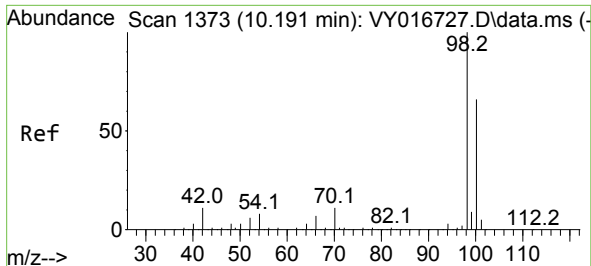
Ion Ratio Lower Upper

117 100

119 6.1 76.0 114.0#

121 0.0 24.2 36.2#

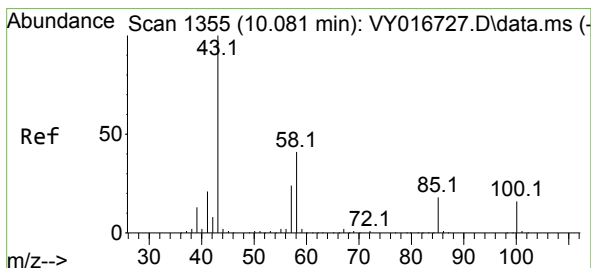
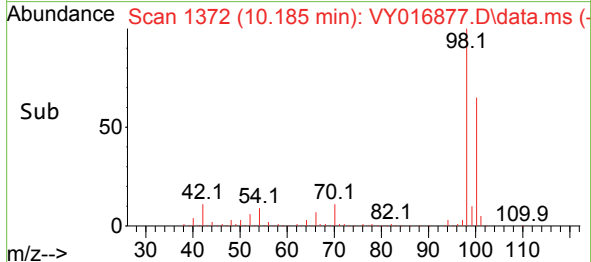
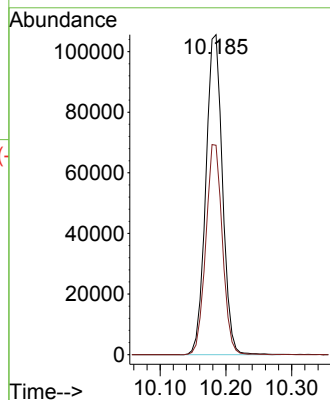
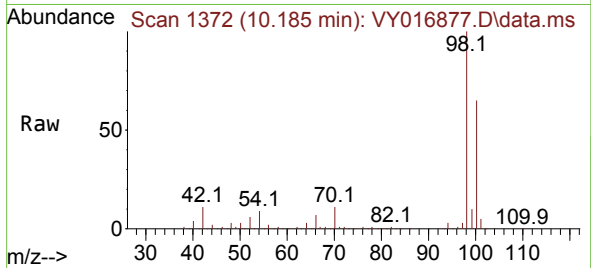




#50
Toluene-d8
Concen: 47.816 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016877.D
Acq: 27 Dec 2023 15:00

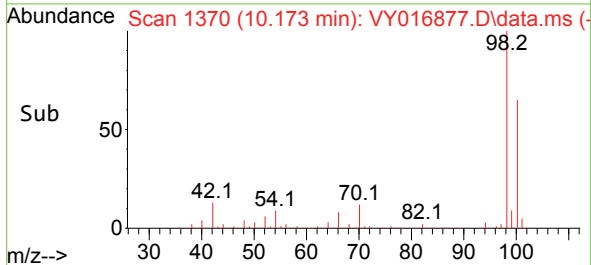
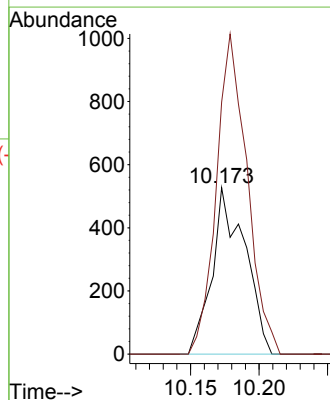
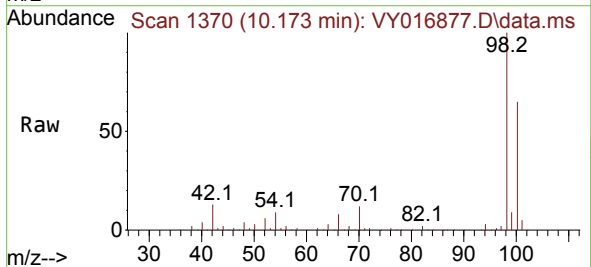
Instrument :
MSVOA_Y
ClientSampleId :
WC-C-GRABRE

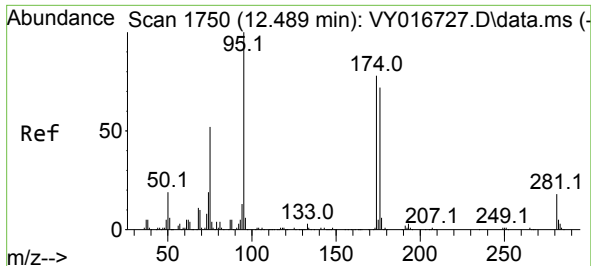
Tgt Ion: 98 Resp: 185804
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.149 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.092 min
Lab File: VY016877.D
Acq: 27 Dec 2023 15:00

Tgt Ion: 43 Resp: 881
Ion Ratio Lower Upper
43 100
58 179.5 32.2 48.2#

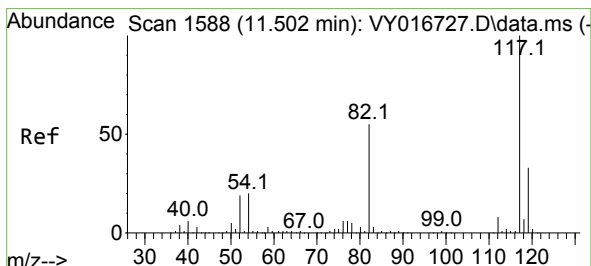
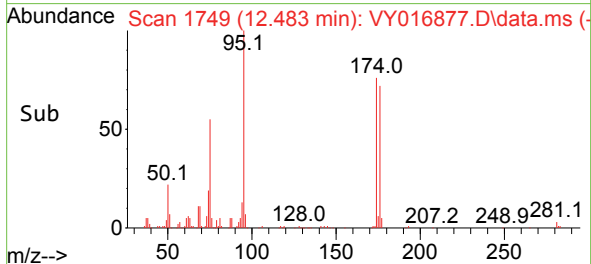
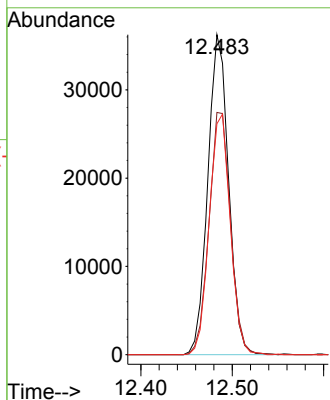
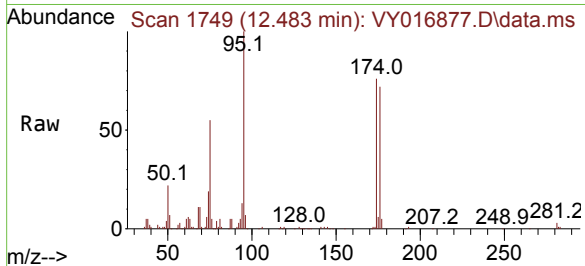




#62
4-Bromofluorobenzene
Concen: 45.325 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY016877.D
Acq: 27 Dec 2023 15:00

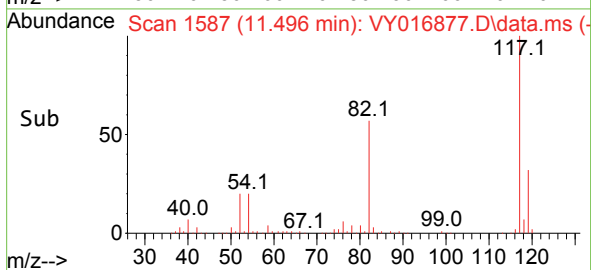
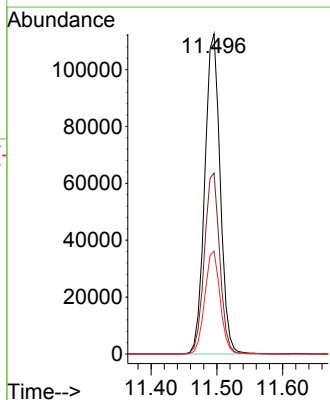
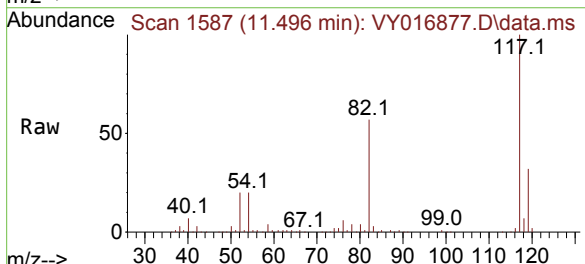
Instrument :
MSVOA_Y
ClientSampleId :
WC-C-GRABRE

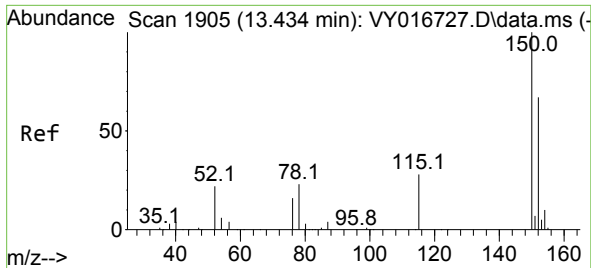
Tgt Ion: 95 Resp: 57141
Ion Ratio Lower Upper
95 100
174 78.6 0.0 160.0
176 76.1 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY016877.D
Acq: 27 Dec 2023 15:00

Tgt Ion: 117 Resp: 183444
Ion Ratio Lower Upper
117 100
82 56.5 43.8 65.8
119 32.1 26.5 39.7

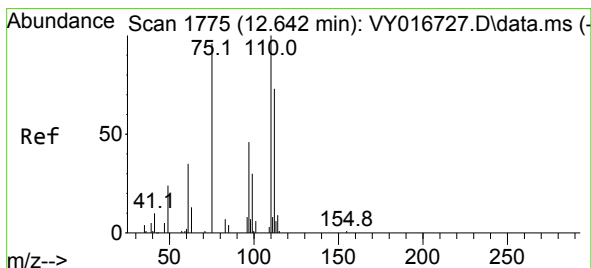
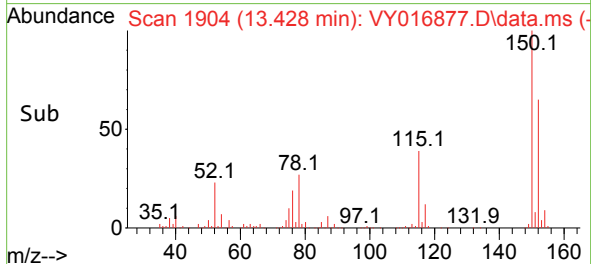
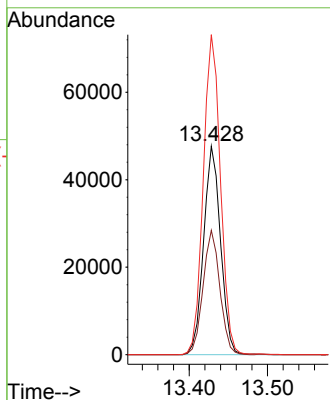
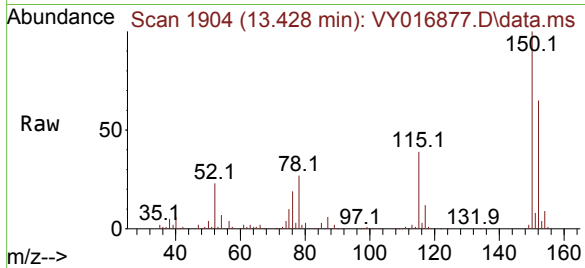




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY016877.D
 Acq: 27 Dec 2023 15:00

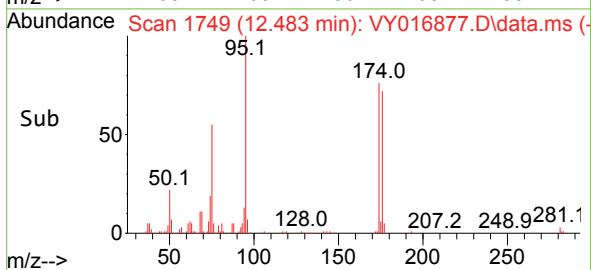
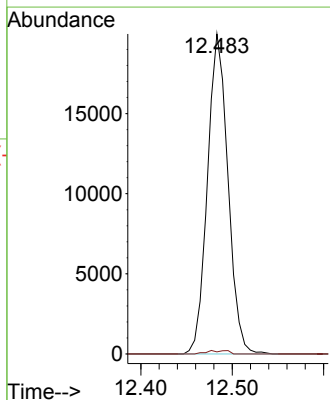
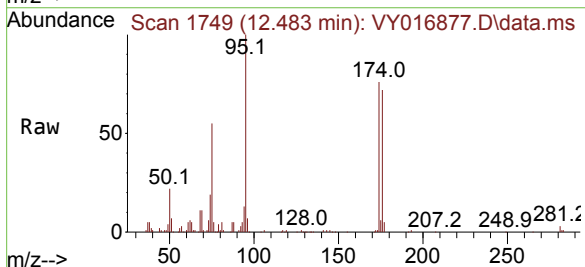
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-C-GRABRE

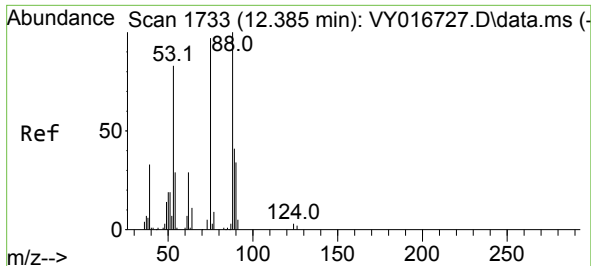
Tgt Ion:152 Resp: 71497
 Ion Ratio Lower Upper
 152 100
 115 59.2 30.0 90.0
 150 155.8 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 39.343 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.158 min
 Lab File: VY016877.D
 Acq: 27 Dec 2023 15:00

Tgt Ion: 75 Resp: 31095
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

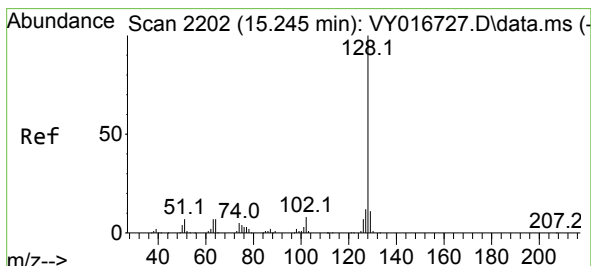
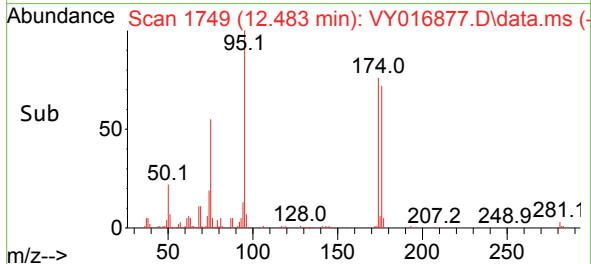
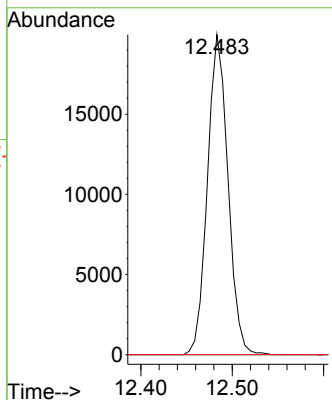
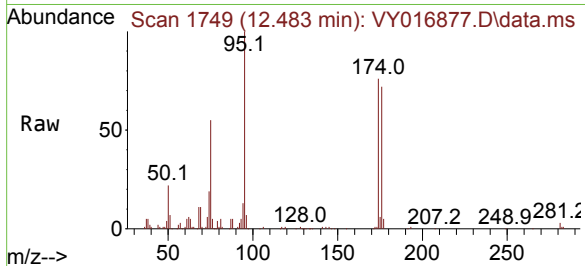




#81
trans-1,4-Dichloro-2-butene
Concen: 92.394 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY016877.D
Acq: 27 Dec 2023 15:00

Instrument :
MSVOA_Y
ClientSampleId :
WC-C-GRABRE

Tgt Ion: 75 Resp: 31095
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 3.627 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.012 min
Lab File: VY016877.D
Acq: 27 Dec 2023 15:00

Tgt Ion: 128 Resp: 82
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

