

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122723\
 Data File : VY016879.D
 Acq On : 27 Dec 2023 15:47
 Operator : SY/MD
 Sample : 06011-01RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-122223

Quant Time: Dec 28 03:46:19 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	7.801	168	72920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	148293	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	139317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	50575	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	37799	56.782	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.560%
35) Dibromofluoromethane	7.728	113	39857	46.920	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.840%
50) Toluene-d8	10.191	98	143017	46.704	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.400%
62) 4-Bromofluorobenzene	12.489	95	43487	43.773	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.540%

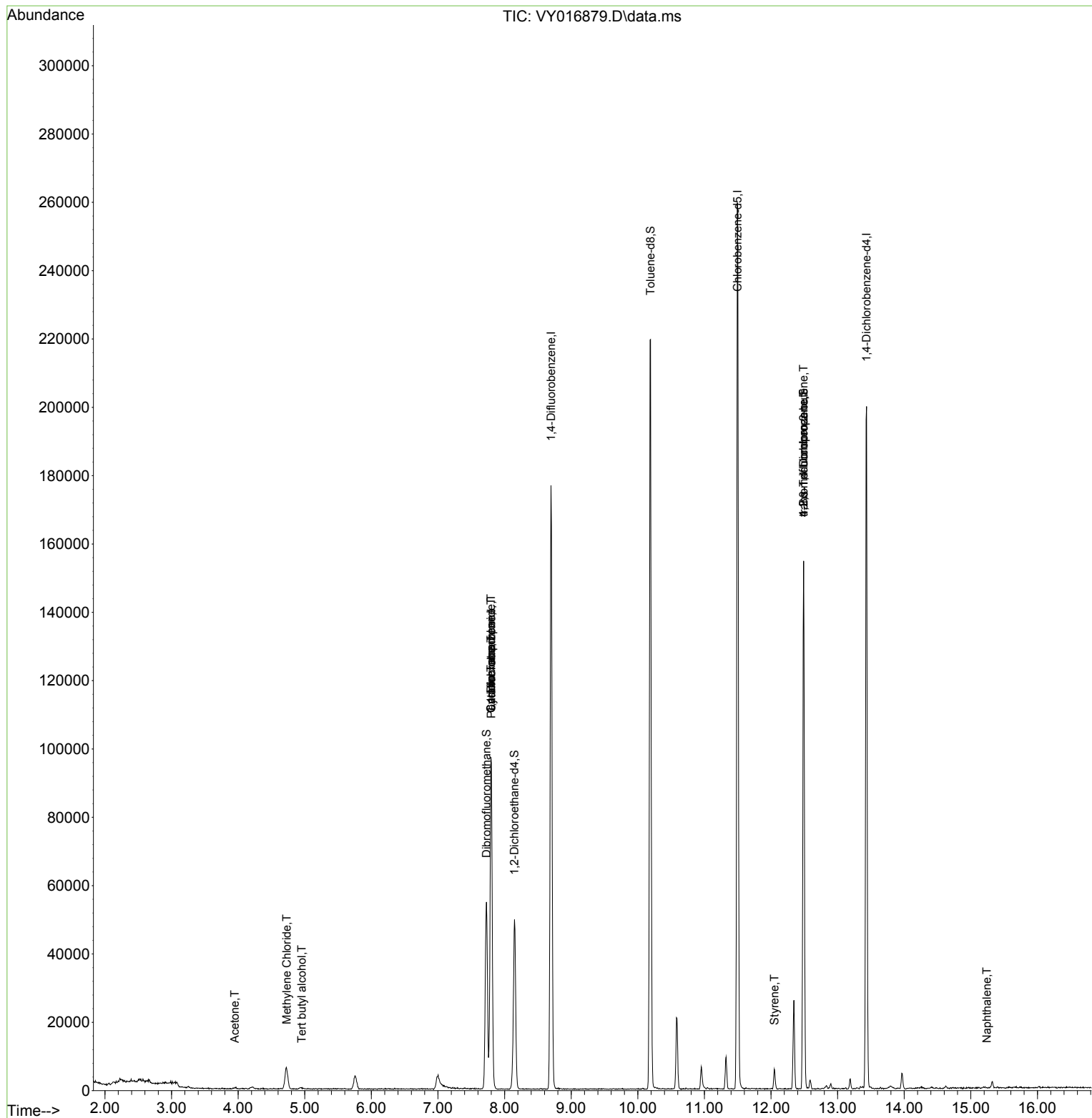
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.954	59	591	10.828	ug/l #	75
16) Acetone	3.948	43	631	3.505	ug/l #	85
20) Methylene Chloride	4.728	84	4734	2.335	ug/l	93
31) Cyclohexane	7.795	56	1913	1.500	ug/l #	36
36) 1,1-Dichloropropene	7.795	75	7071	5.192	ug/l #	49
38) Carbon Tetrachloride	7.795	117	7470	5.543	ug/l #	16
70) Styrene	12.050	104	2802	1.109	ug/l	91
76) 1,2,3-Trichloropropane	12.489	75	23312	41.697	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	23312	97.923	ug/l #	12
95) Naphthalene	15.239	128	43	3.619	ug/l #	69

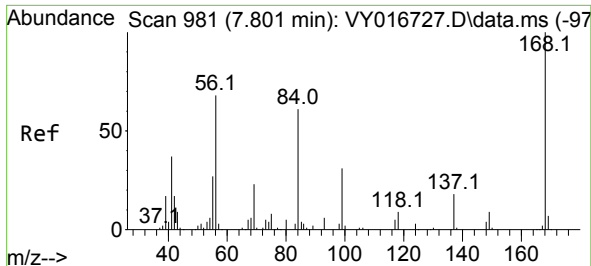
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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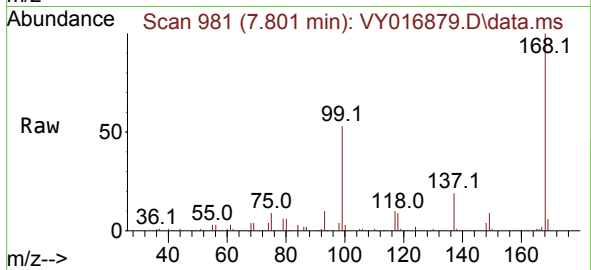
Quant Time: Dec 28 03:46:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
Response via : Initial Calibration



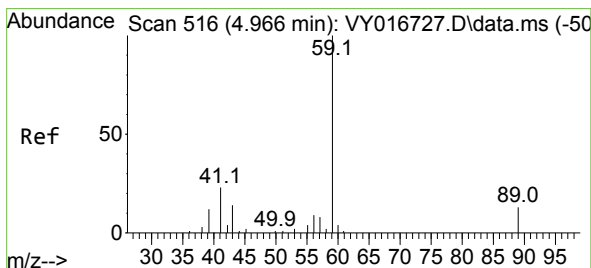
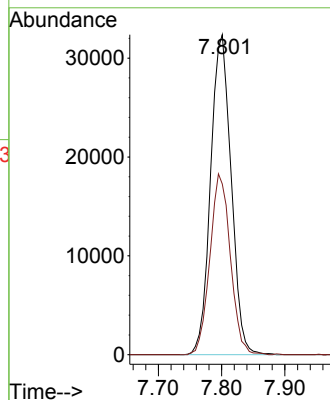
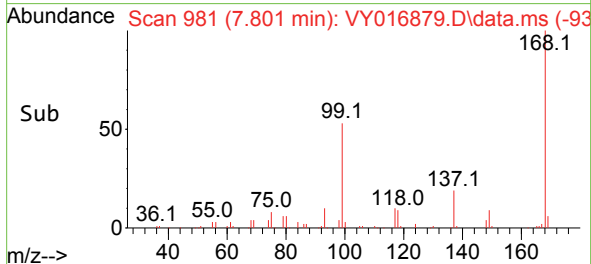


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016879.D
Acq: 27 Dec 2023 15:47

Instrument :
MSVOA_Y
ClientSampleId :
SU-03-122223

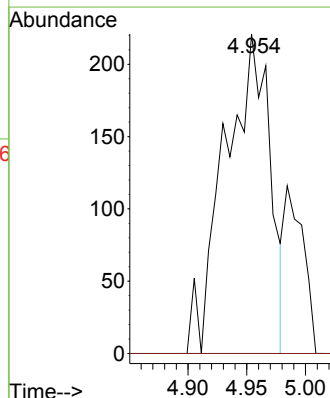
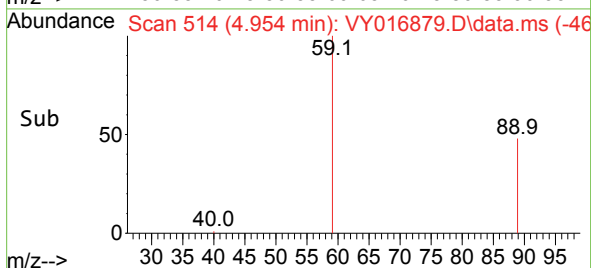
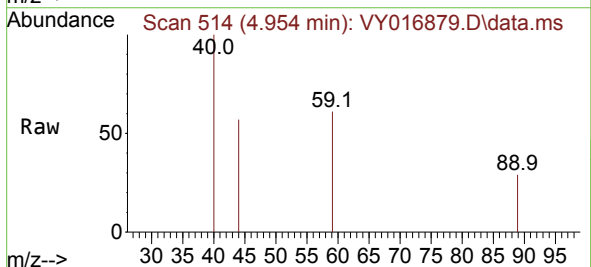


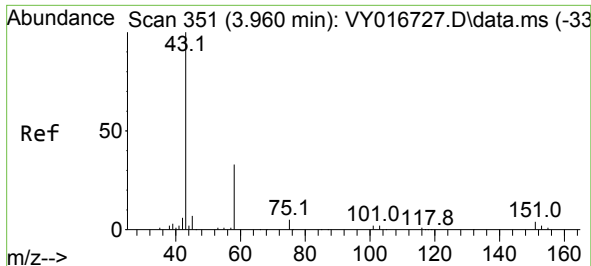
Tgt Ion:168 Resp: 72920
Ion Ratio Lower Upper
168 100
99 53.4 44.2 66.4



#11
Tert butyl alcohol
Concen: 10.828 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY016879.D
Acq: 27 Dec 2023 15:47

Tgt Ion: 59 Resp: 591
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 3.505 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.012 min

Lab File: VY016879.D

Acq: 27 Dec 2023 15:47

Instrument :

MSVOA_Y

ClientSampleId :

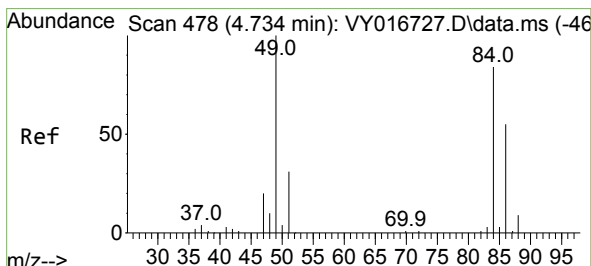
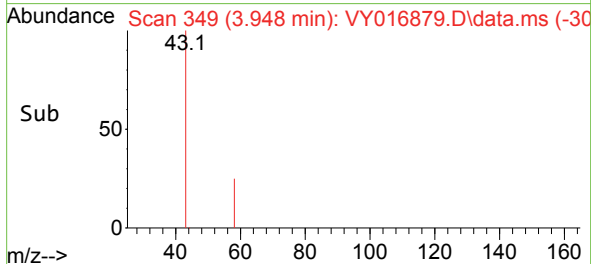
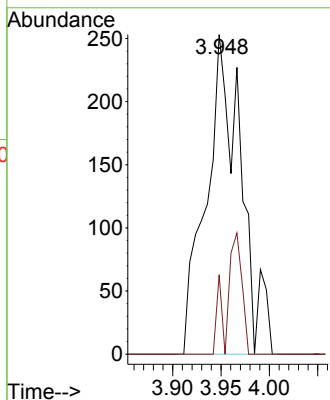
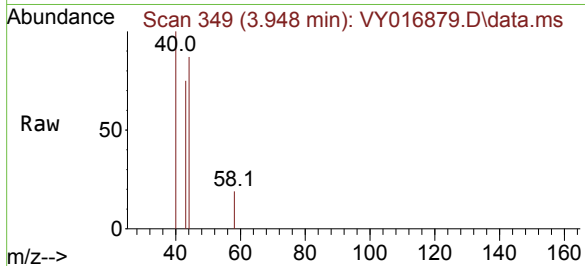
SU-03-122223

Tgt Ion: 43 Resp: 631

Ion Ratio Lower Upper

43 100

58 24.9 26.6 39.8#



#20

Methylene Chloride

Concen: 2.335 ug/l

RT: 4.728 min Scan# 477

Delta R.T. -0.006 min

Lab File: VY016879.D

Acq: 27 Dec 2023 15:47

Tgt Ion: 84 Resp: 4734

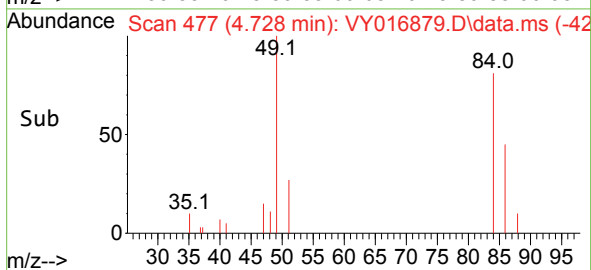
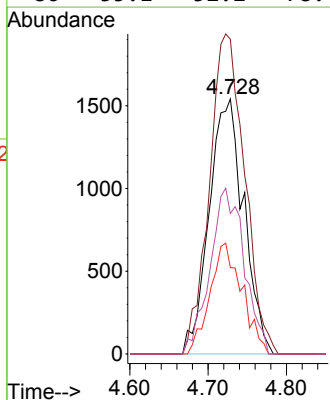
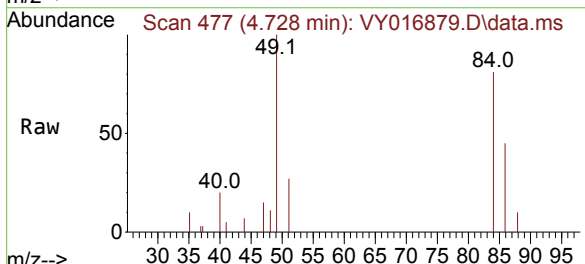
Ion Ratio Lower Upper

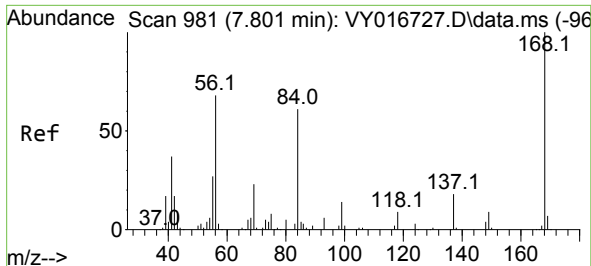
84 100

49 123.4 95.2 142.8

51 33.9 29.9 44.9

86 55.1 52.2 78.4

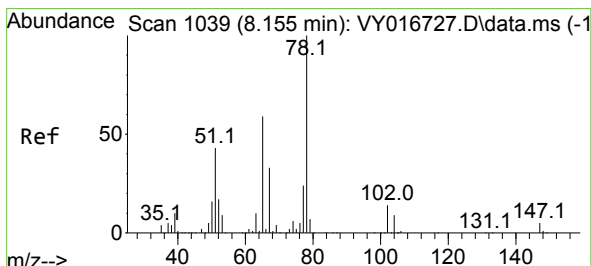
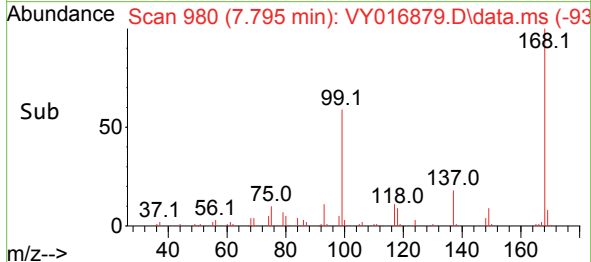
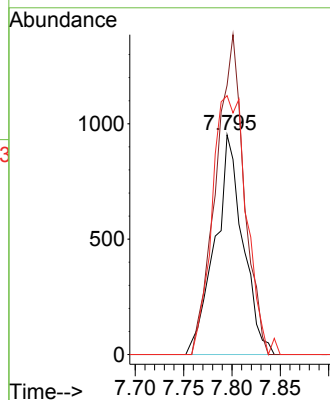
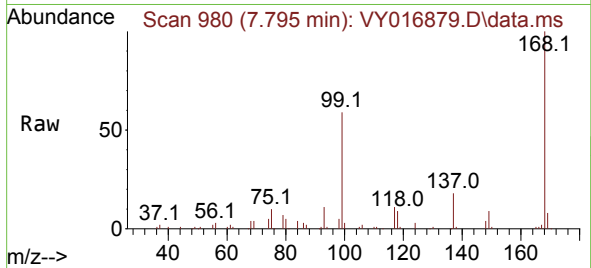




#31
Cyclohexane
Concen: 1.500 ug/l
RT: 7.795 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY016879.D
Acq: 27 Dec 2023 15:47

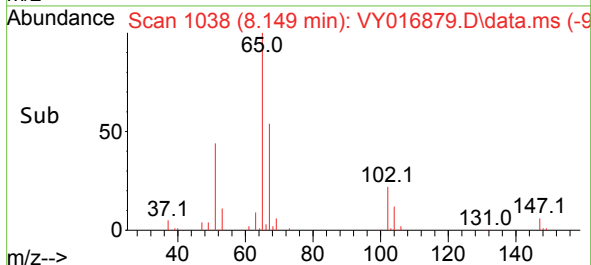
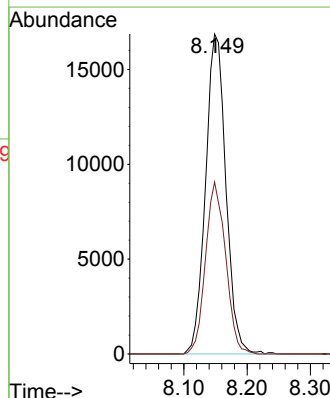
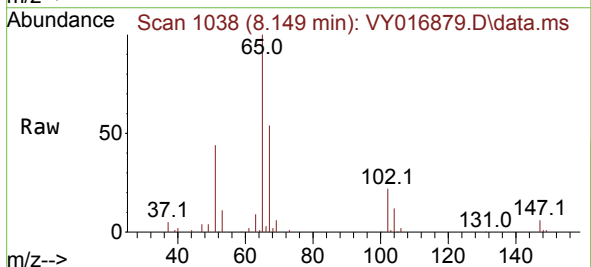
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-122223

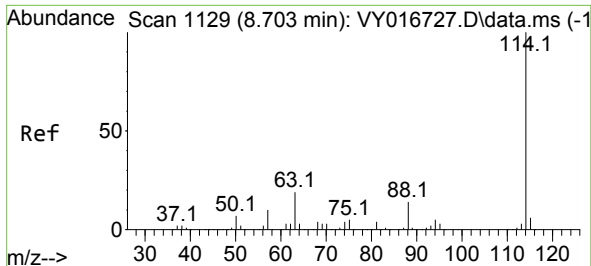
Tgt Ion: 56 Resp: 1913
Ion Ratio Lower Upper
56 100
69 122.6 27.0 40.6#
84 117.9 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 56.782 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY016879.D
Acq: 27 Dec 2023 15:47

Tgt Ion: 65 Resp: 37799
Ion Ratio Lower Upper
65 100
67 53.2 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: VY016879.D

Acq: 27 Dec 2023 15:47

Instrument :

MSVOA_Y

ClientSampleId :

SU-03-122223

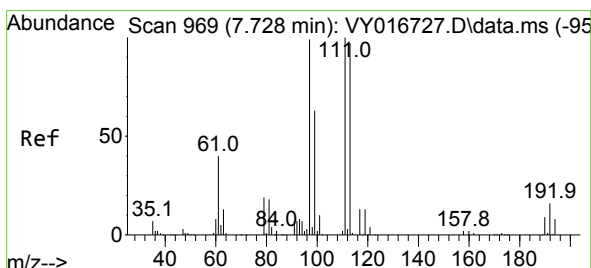
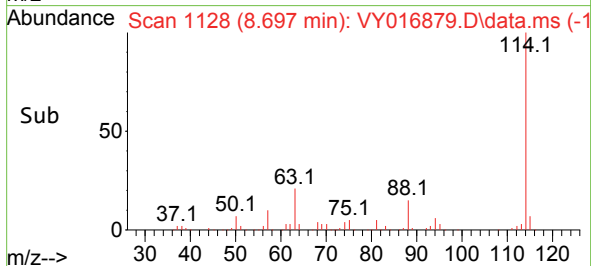
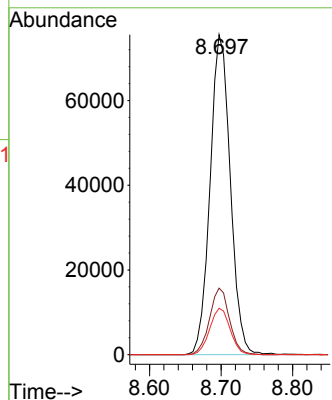
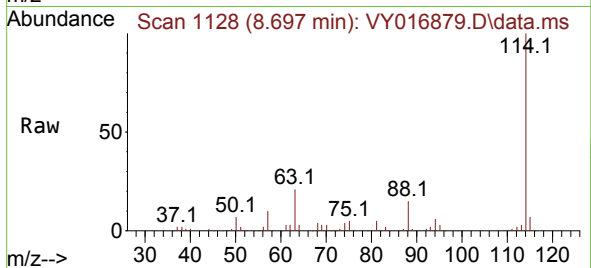
Tgt Ion:114 Resp: 148293

Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.4

88 14.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 46.920 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY016879.D

Acq: 27 Dec 2023 15:47

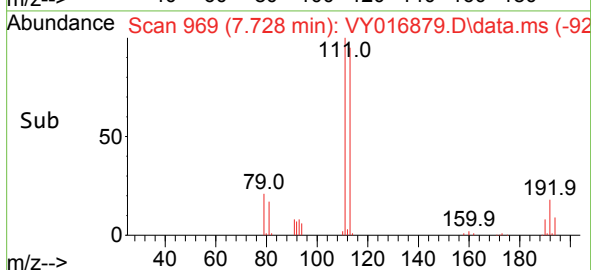
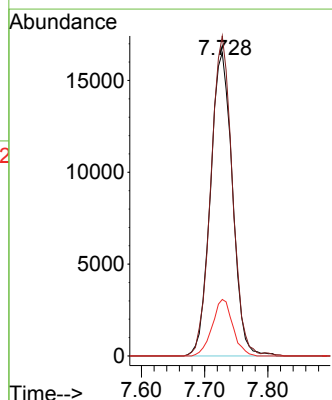
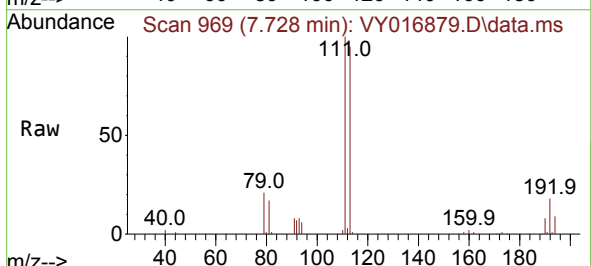
Tgt Ion:113 Resp: 39857

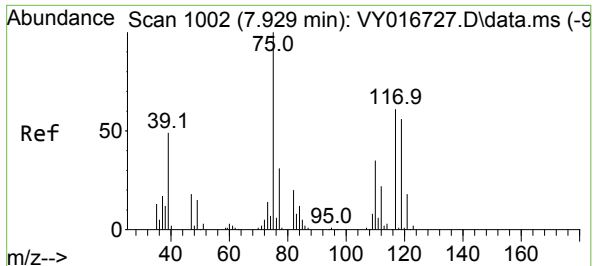
Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 17.5 14.5 21.7

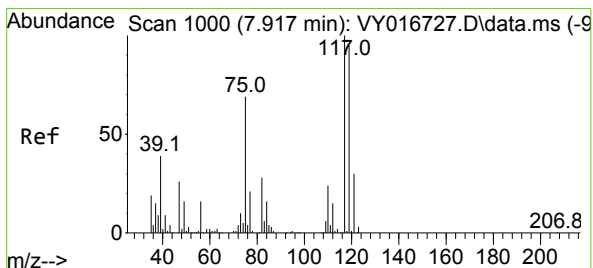
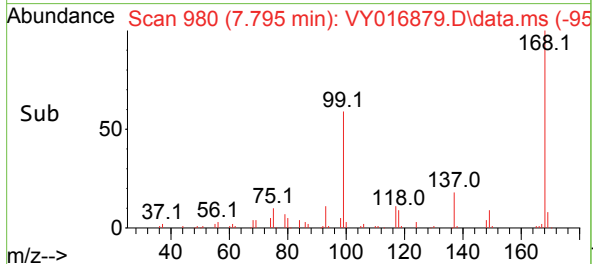
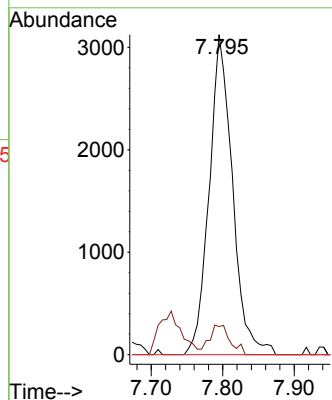
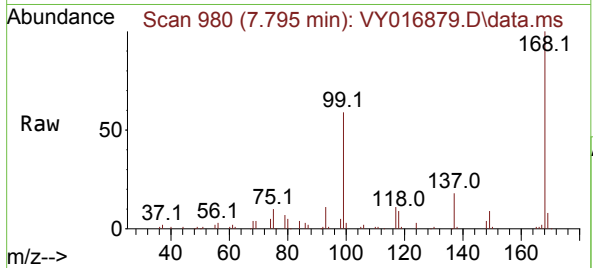




#36
 1,1-Dichloropropene
 Concen: 5.192 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.134 min
 Lab File: VY016879.D
 Acq: 27 Dec 2023 15:47

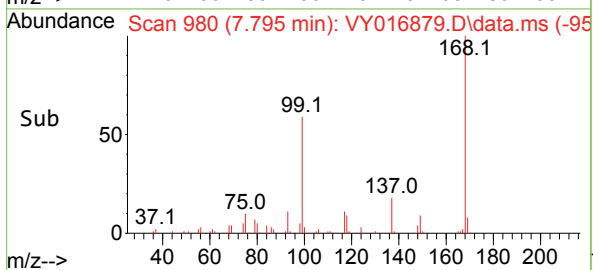
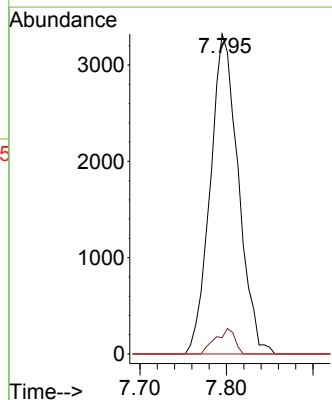
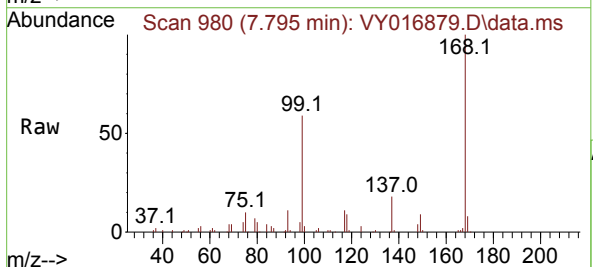
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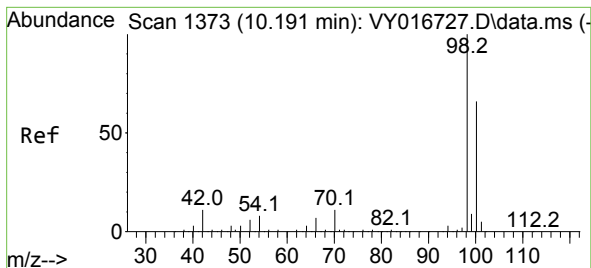
Tgt Ion: 75 Resp: 7071
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.4 52.3#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.543 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.122 min
 Lab File: VY016879.D
 Acq: 27 Dec 2023 15:47

Tgt Ion: 117 Resp: 7470
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.0 114.0#
 121 0.0 24.2 36.2#

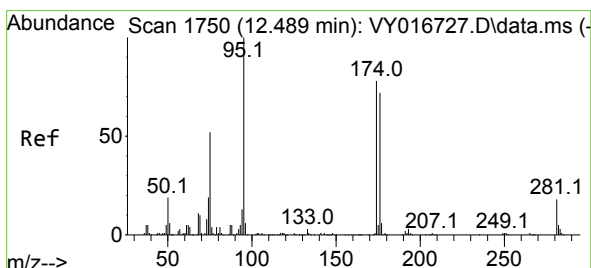
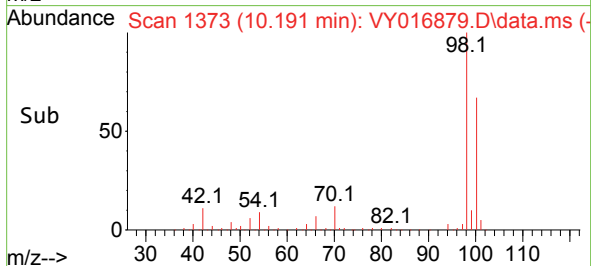
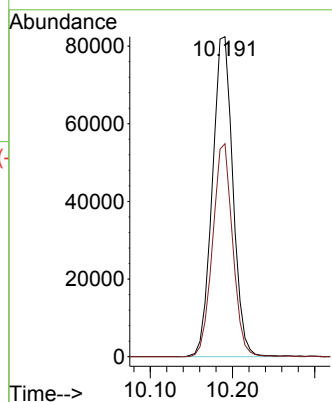
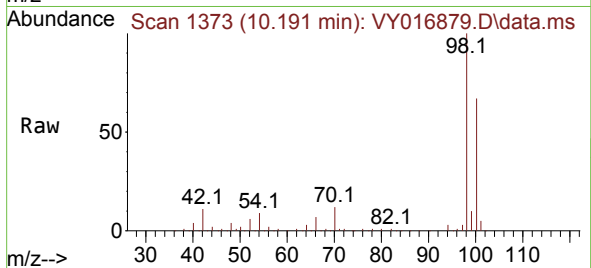




#50
Toluene-d8
Concen: 46.704 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016879.D
Acq: 27 Dec 2023 15:47

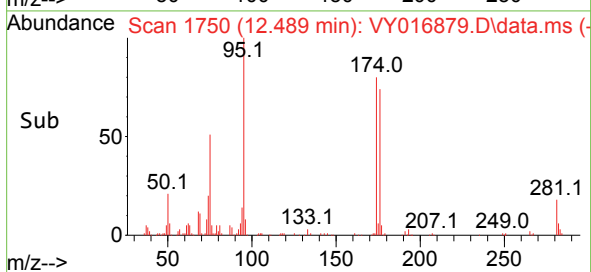
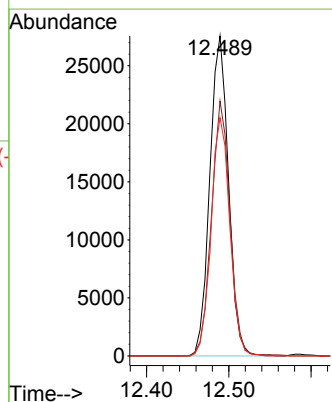
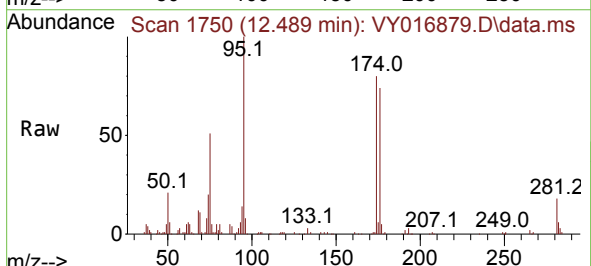
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SU-03-122223

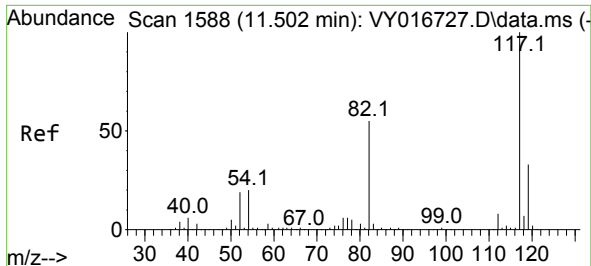
Tgt Ion: 98 Resp: 143017
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 43.773 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY016879.D
Acq: 27 Dec 2023 15:47

Tgt Ion: 95 Resp: 43487
Ion Ratio Lower Upper
95 100
174 79.1 0.0 160.0
176 74.6 0.0 151.8

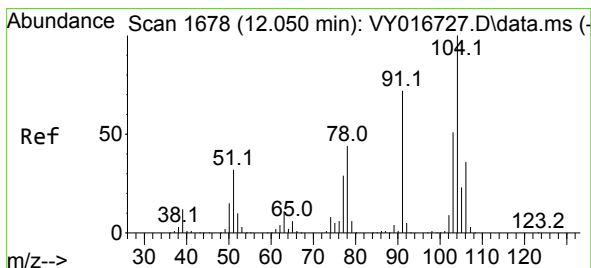
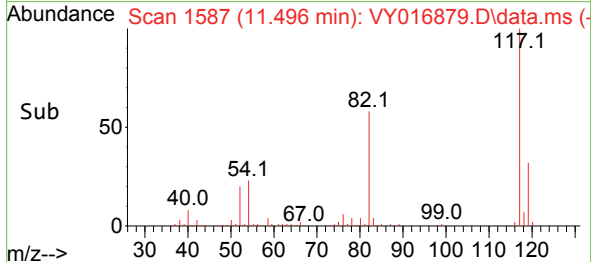
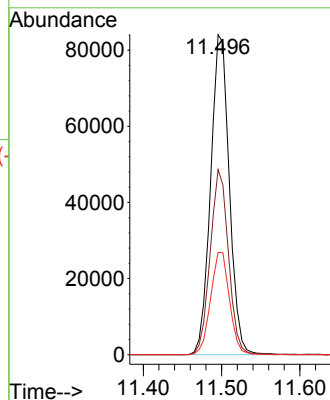
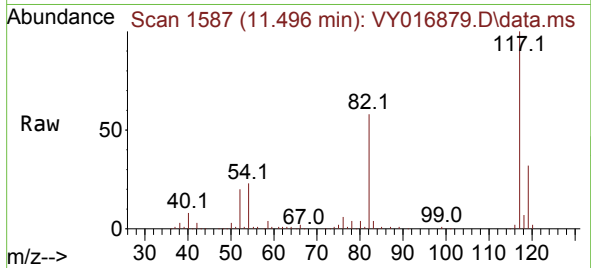




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016879.D
Acq: 27 Dec 2023 15:47

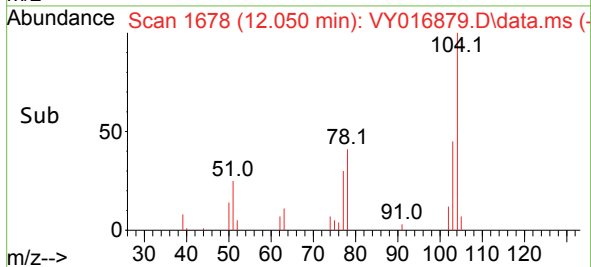
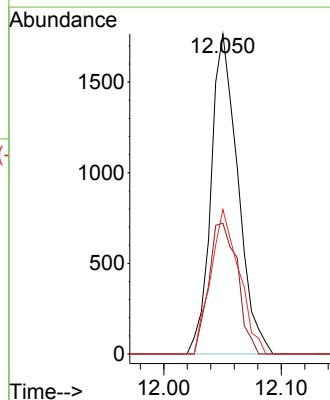
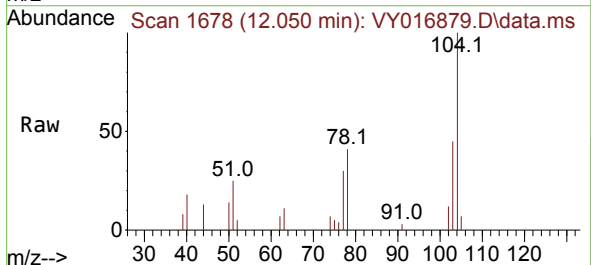
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-122223

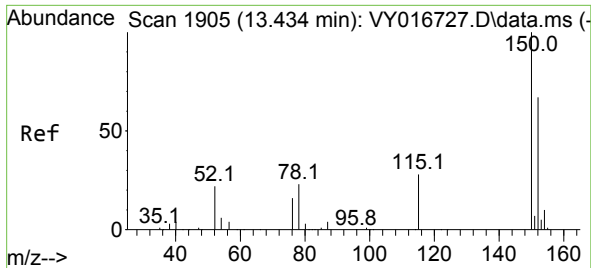
Tgt Ion:117 Resp: 139317
Ion Ratio Lower Upper
117 100
82 57.9 43.8 65.8
119 32.0 26.5 39.7



#70
Styrene
Concen: 1.109 ug/l
RT: 12.050 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY016879.D
Acq: 27 Dec 2023 15:47

Tgt Ion:104 Resp: 2802
Ion Ratio Lower Upper
104 100
78 43.8 39.2 58.8
103 47.9 43.8 65.6

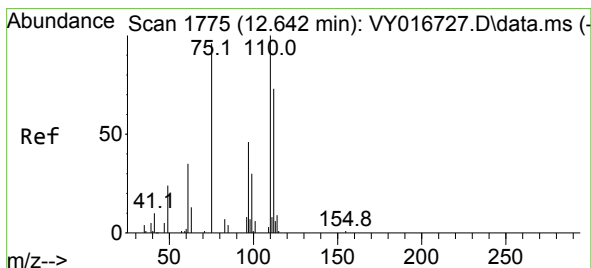
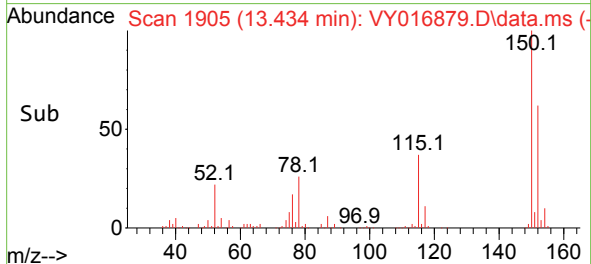
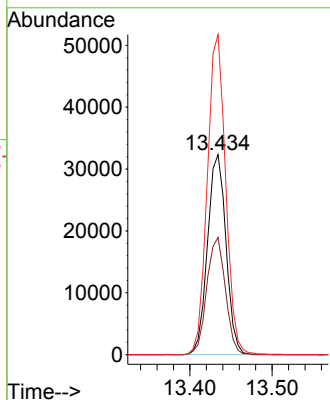
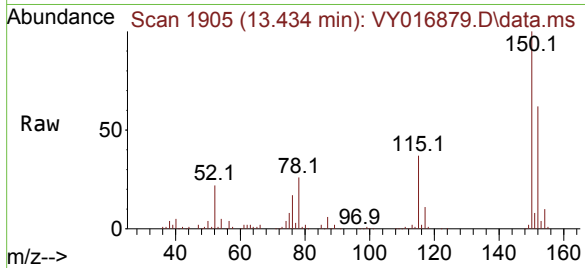




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.000 min
 Lab File: VY016879.D
 Acq: 27 Dec 2023 15:47

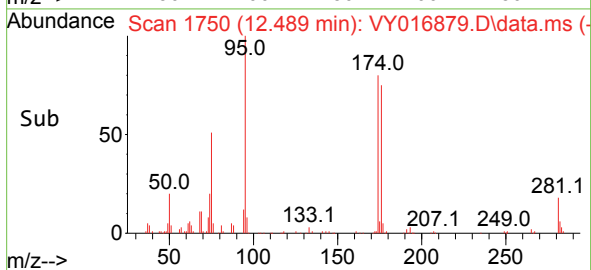
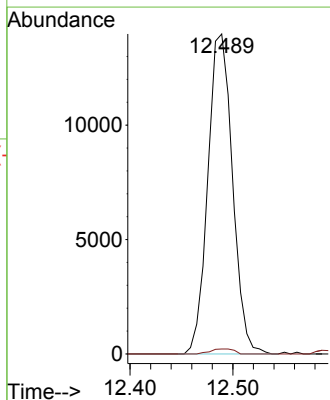
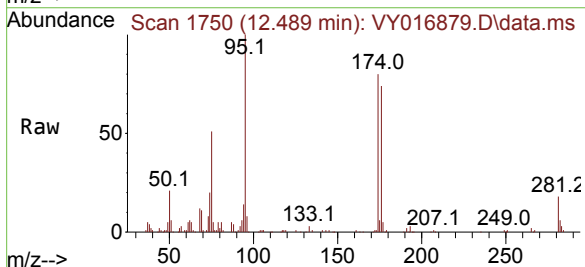
Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-122223

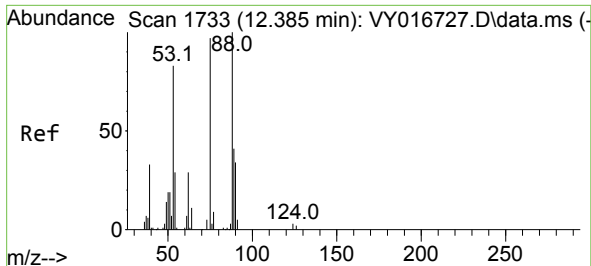
Tgt Ion:152 Resp: 50575
 Ion Ratio Lower Upper
 152 100
 115 59.1 30.0 90.0
 150 158.2 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 41.697 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.152 min
 Lab File: VY016879.D
 Acq: 27 Dec 2023 15:47

Tgt Ion: 75 Resp: 23312
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

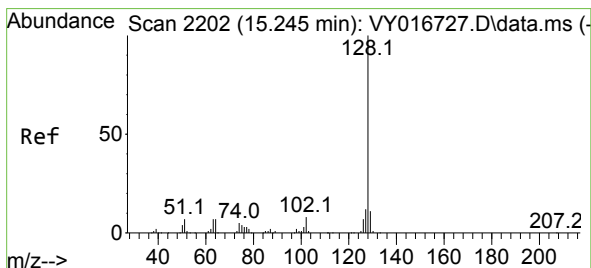
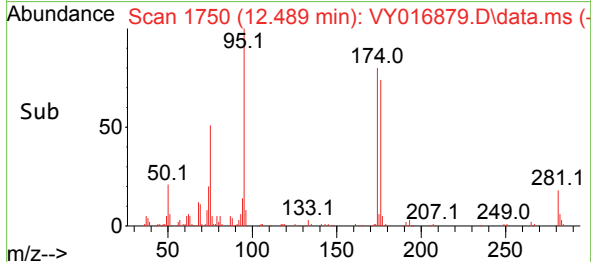
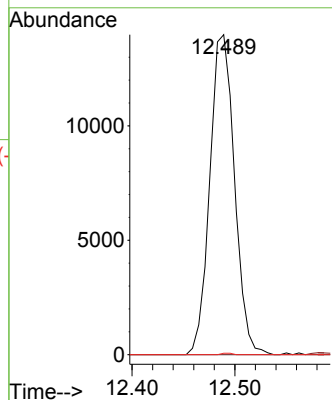
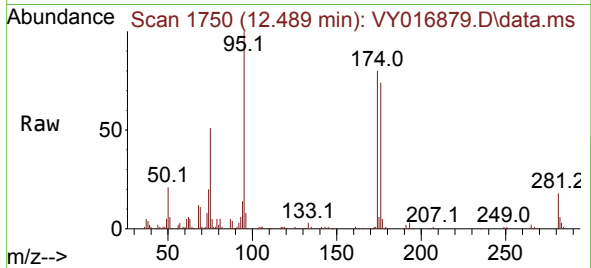




#81
trans-1,4-Dichloro-2-butene
Concen: 97.923 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016879.D
Acq: 27 Dec 2023 15:47

Instrument :
MSVOA_Y
ClientSampleId :
SU-03-122223

Tgt Ion: 75 Resp: 23312
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.2 36.5 54.7#



#95
Naphthalene
Concen: 3.619 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY016879.D
Acq: 27 Dec 2023 15:47

Tgt Ion:128 Resp: 43
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

