

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110823\
 Data File : VY016261.D
 Acq On : 08 Nov 2023 13:16
 Operator : SY/MD
 Sample : VY1108SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 09 00:57:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

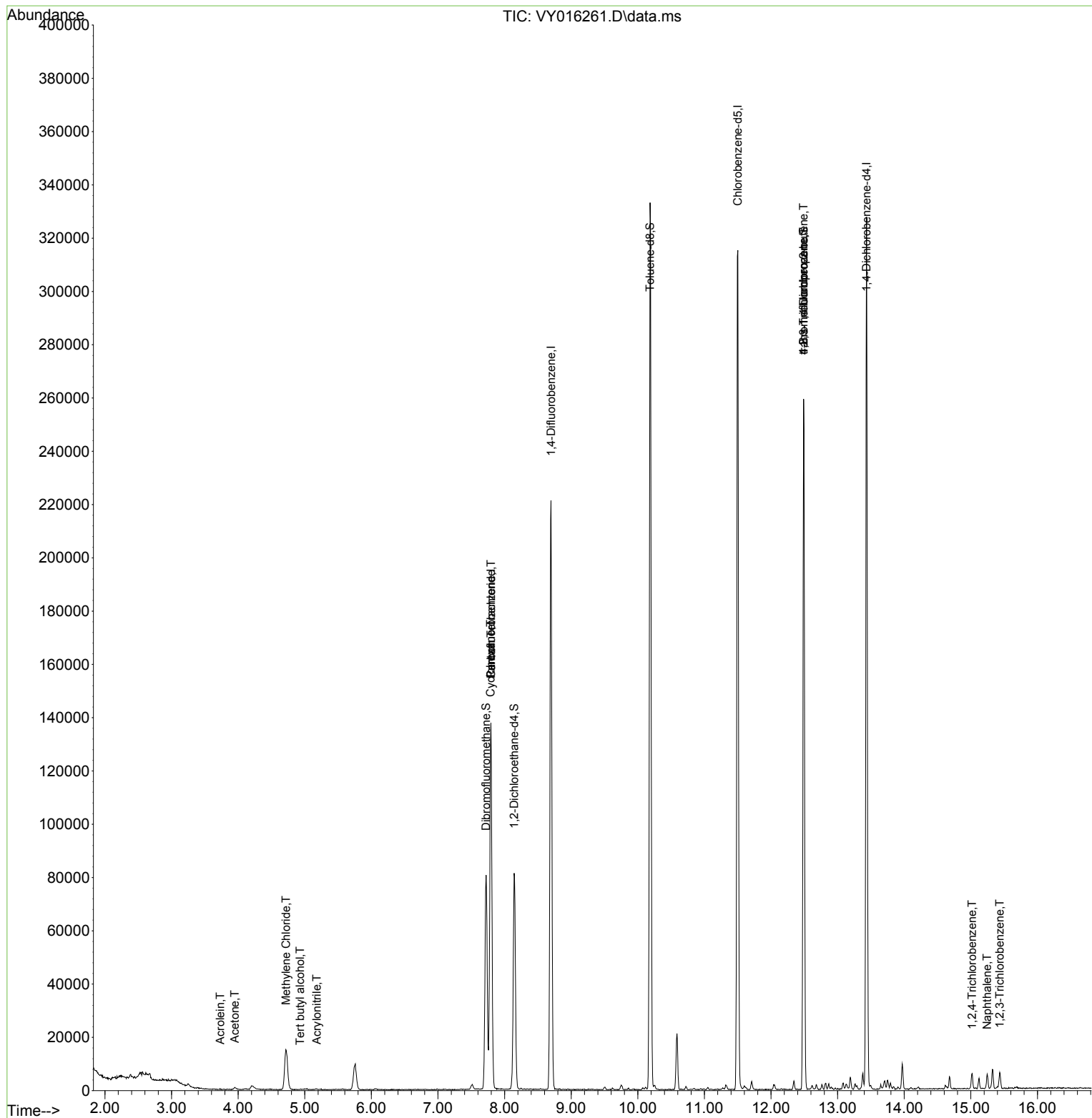
Internal Standards						
1) Pentafluorobenzene	7.795	168	107983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	191591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	180986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	84402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	63503	64.344	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.680%	
35) Dibromofluoromethane	7.722	113	57236	52.589	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.180%	
50) Toluene-d8	10.185	98	225974	51.200	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.400%	
62) 4-Bromofluorobenzene	12.489	95	78423	54.709	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.420%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	260	3.364	ug/l #	89
13) Acrolein	3.729	56	94	1.008	ug/l #	54
15) Acrylonitrile	5.180	53	328	1.427	ug/l #	48
16) Acetone	3.948	43	1382	8.466	ug/l #	70
20) Methylene Chloride	4.716	84	12222	7.650	ug/l	85
31) Cyclohexane	7.789	56	2154	1.109	ug/l #	1
38) Carbon Tetrachloride	7.795	117	10789	5.501	ug/l #	16
76) 1,2,3-Trichloropropane	12.489	75	40118	49.549	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	40118	107.551	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.019	180	2295	1.544	ug/l	85
95) Naphthalene	15.245	128	4726	1.778	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	1993	1.621	ug/l	93

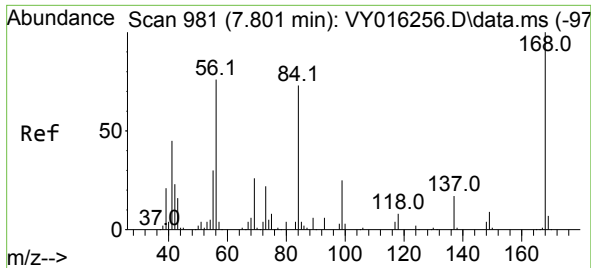
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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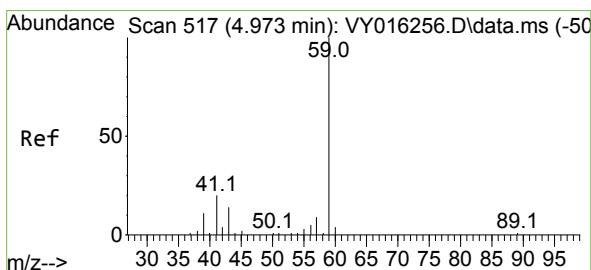
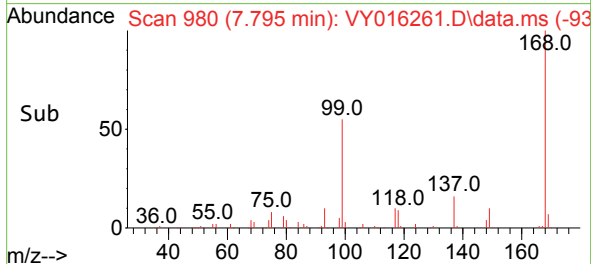
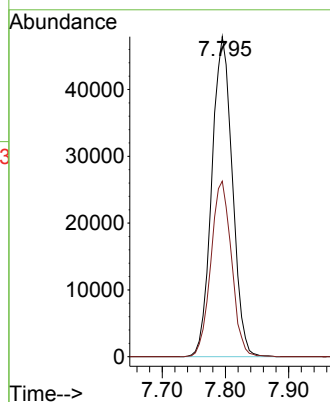
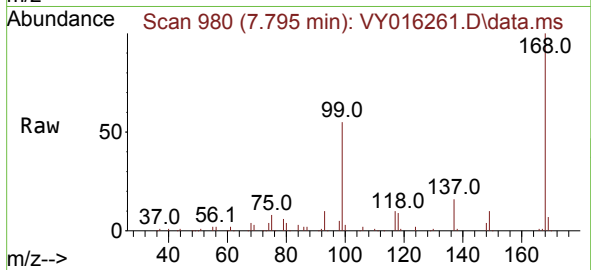




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016261.D
Acq: 08 Nov 2023 13:16

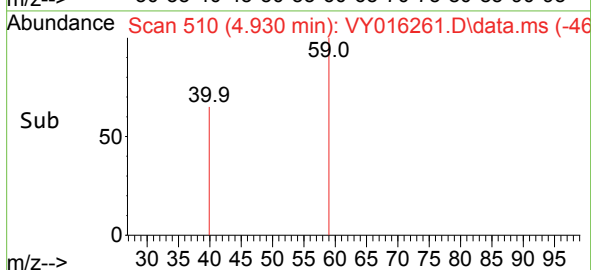
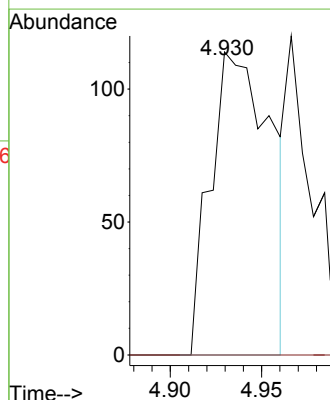
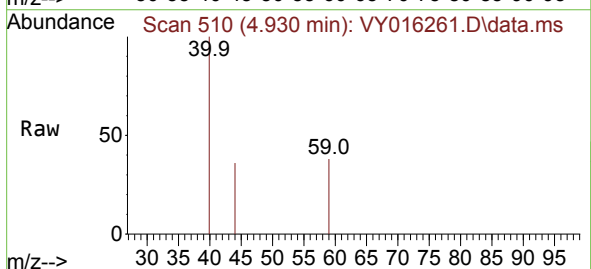
Instrument :
MSVOA_Y
ClientSampleId :

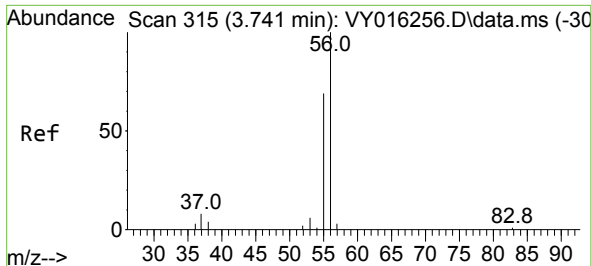
Tgt Ion:168 Resp: 107983
Ion Ratio Lower Upper
168 100
99 54.9 43.4 65.0



#11
Tert butyl alcohol
Concen: 3.364 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.043 min
Lab File: VY016261.D
Acq: 08 Nov 2023 13:16

Tgt Ion: 59 Resp: 260
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: 1.008 ug/l

RT: 3.729 min Scan# 315

Delta R.T. -0.012 min

Lab File: VY016261.D

Acq: 08 Nov 2023 13:16

Instrument :

MSVOA_Y

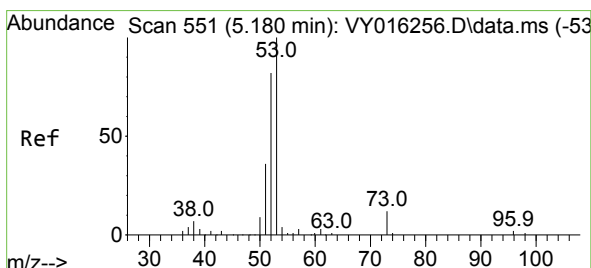
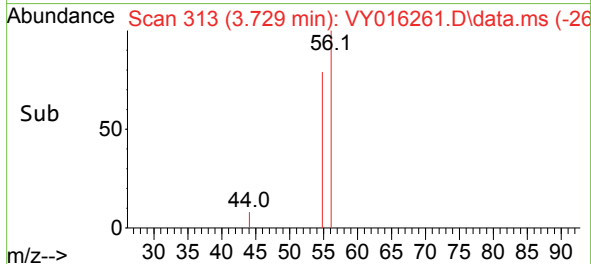
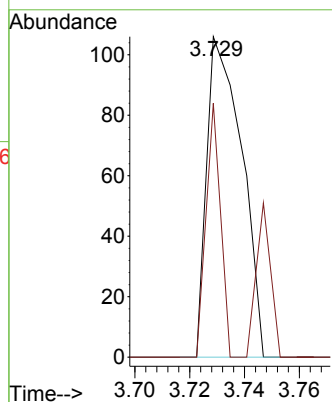
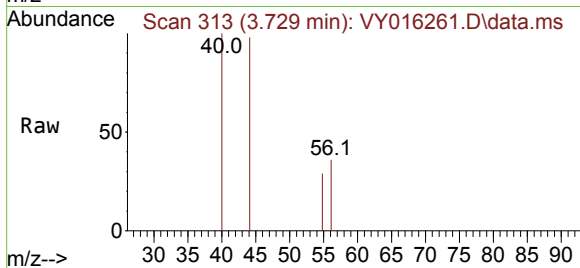
ClientSampleId :

Tgt Ion: 56 Resp: 94

Ion Ratio Lower Upper

56 100

55 33.0 57.0 85.4#



#15

Acrylonitrile

Concen: 1.427 ug/l

RT: 5.180 min Scan# 551

Delta R.T. -0.000 min

Lab File: VY016261.D

Acq: 08 Nov 2023 13:16

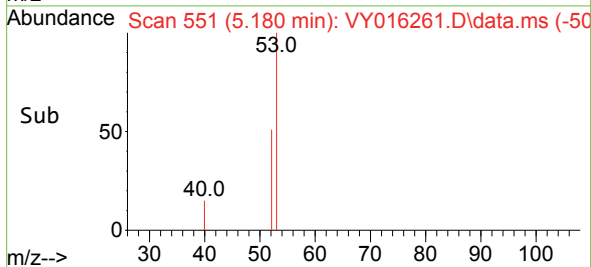
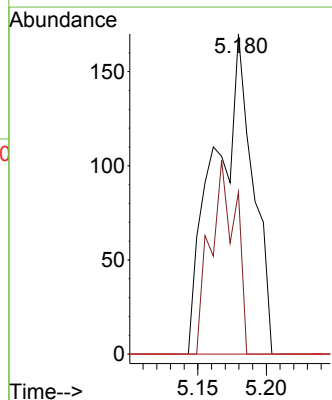
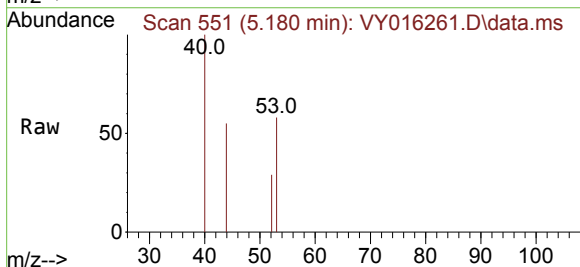
Tgt Ion: 53 Resp: 328

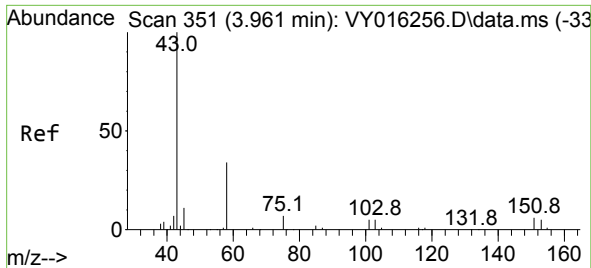
Ion Ratio Lower Upper

53 100

52 40.5 66.9 100.3#

51 0.0 29.8 44.6#





#16

Acetone

Concen: 8.466 ug/l

RT: 3.948 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY016261.D

Acq: 08 Nov 2023 13:16

Instrument :

MSVOA_Y

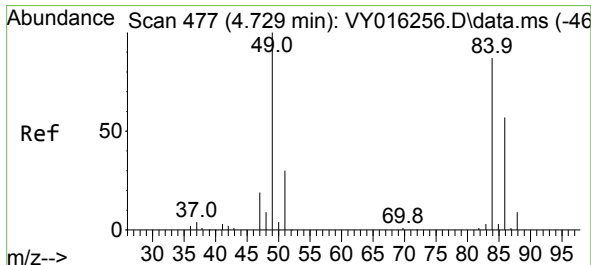
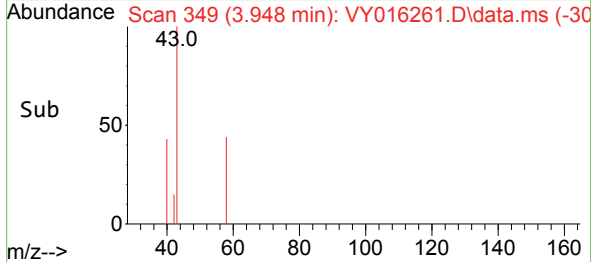
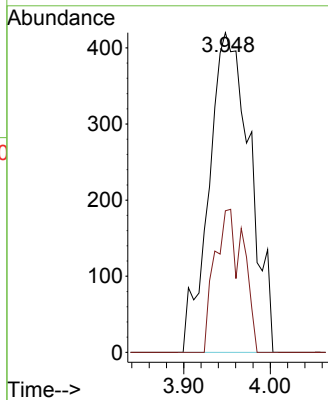
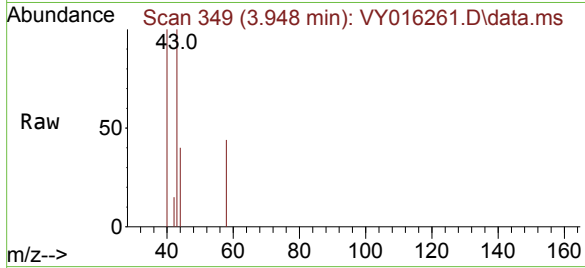
ClientSampleId :

Tgt Ion: 43 Resp: 1382

Ion Ratio Lower Upper

43 100

58 44.3 22.7 34.1#



#20

Methylene Chloride

Concen: 7.650 ug/l

RT: 4.716 min Scan# 475

Delta R.T. -0.013 min

Lab File: VY016261.D

Acq: 08 Nov 2023 13:16

Tgt Ion: 84 Resp: 12222

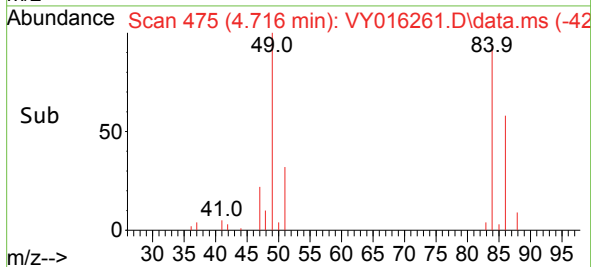
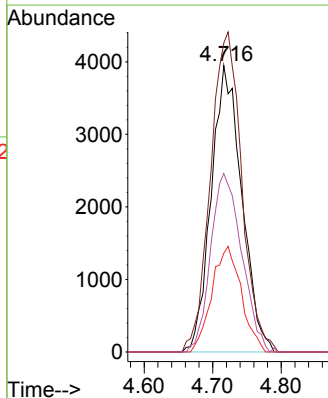
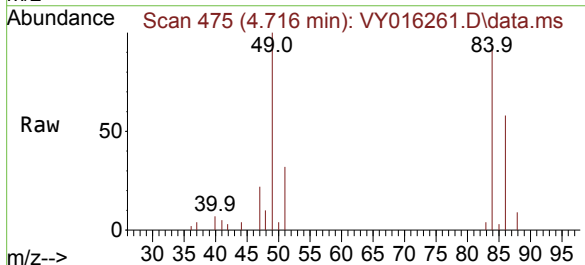
Ion Ratio Lower Upper

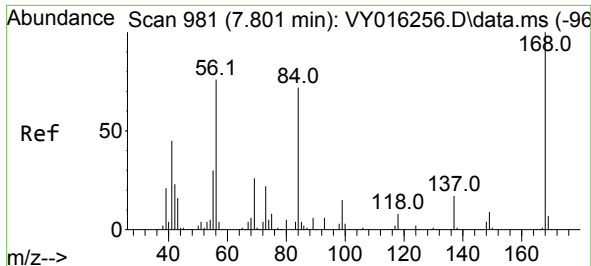
84 100

49 107.9 106.9 160.3

51 34.5 33.2 49.8

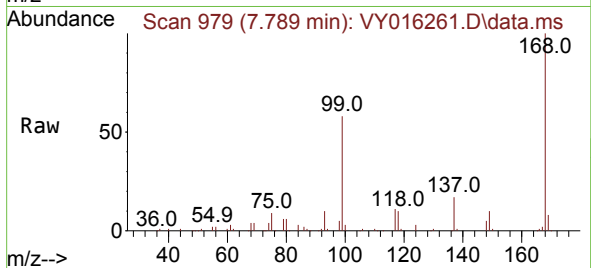
86 62.3 51.0 76.6



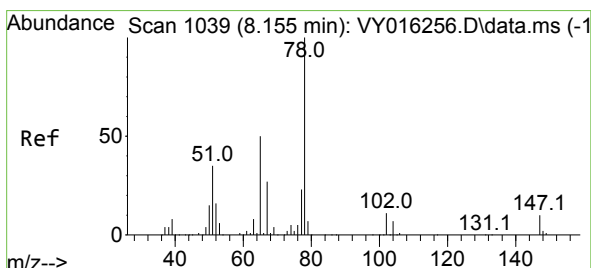
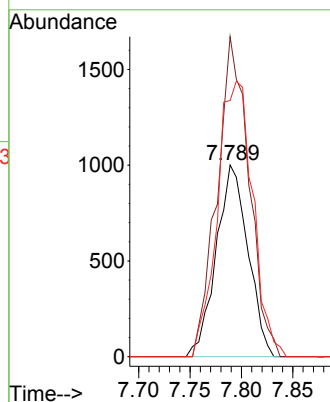
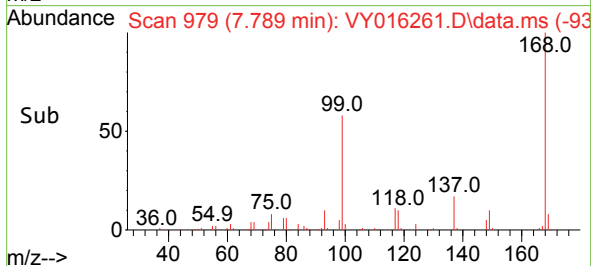


#31
Cyclohexane
Concen: 1.109 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY016261.D
Acq: 08 Nov 2023 13:16

Instrument :
MSVOA_Y
ClientSampleId :

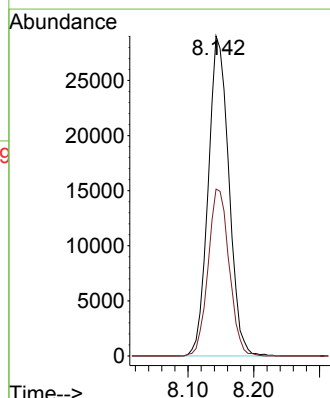
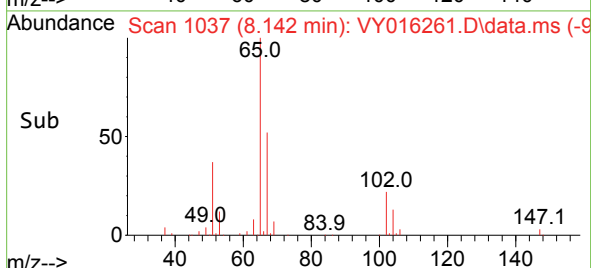
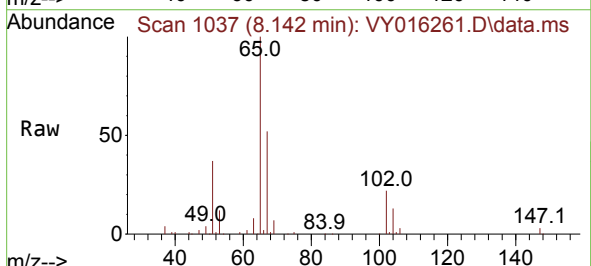


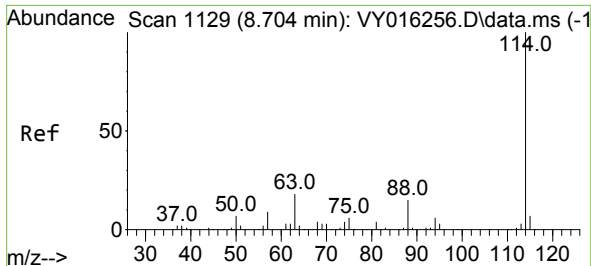
Tgt Ion: 56 Resp: 2154
Ion Ratio Lower Upper
56 100
69 166.9 27.8 41.6#
84 133.7 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 64.344 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.012 min
Lab File: VY016261.D
Acq: 08 Nov 2023 13:16

Tgt Ion: 65 Resp: 63503
Ion Ratio Lower Upper
65 100
67 53.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY016261.D

Acq: 08 Nov 2023 13:16

Instrument :

MSVOA_Y

ClientSampleId :

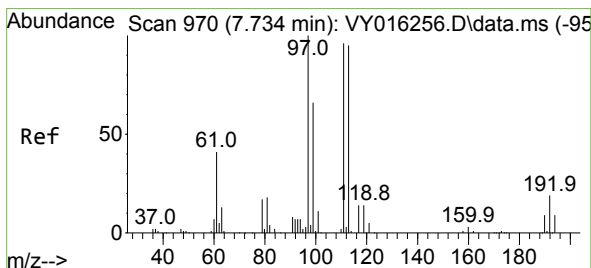
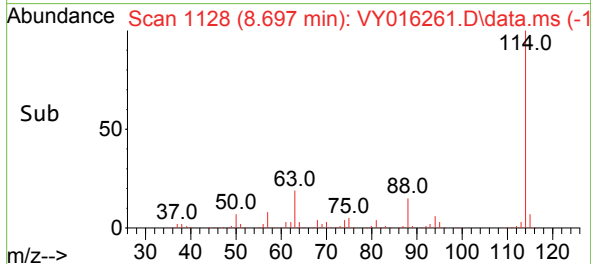
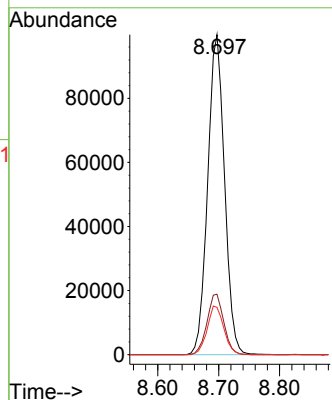
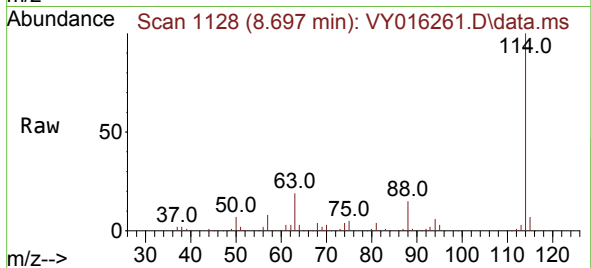
Tgt Ion:114 Resp: 191591

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.589 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.012 min

Lab File: VY016261.D

Acq: 08 Nov 2023 13:16

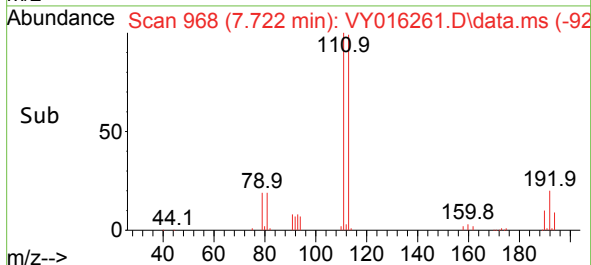
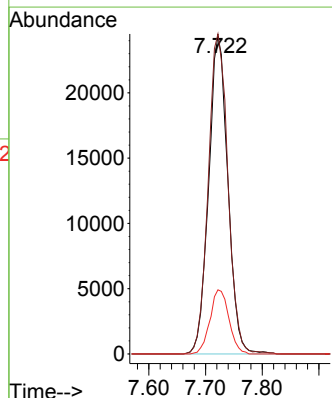
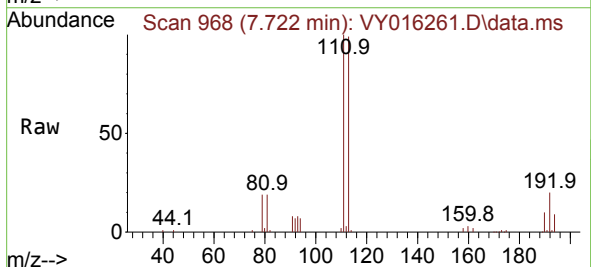
Tgt Ion:113 Resp: 57236

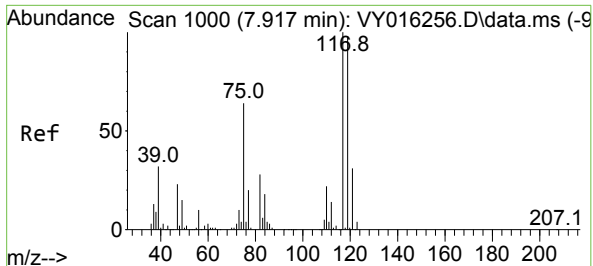
Ion Ratio Lower Upper

113 100

111 103.2 81.3 121.9

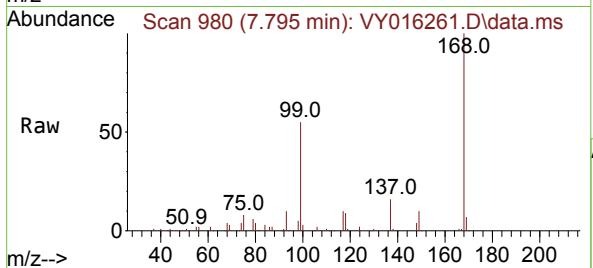
192 19.9 16.9 25.3



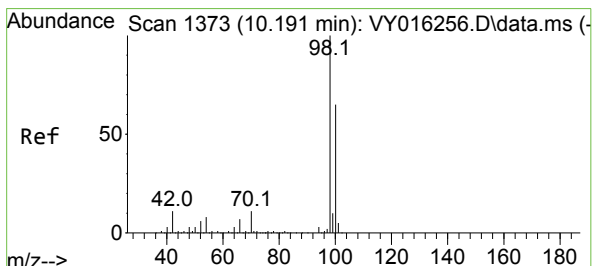
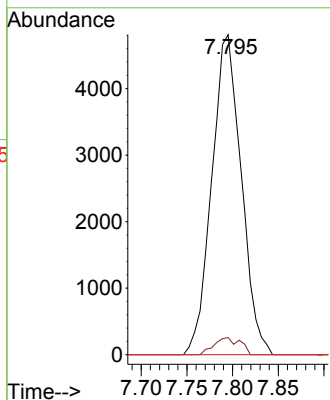
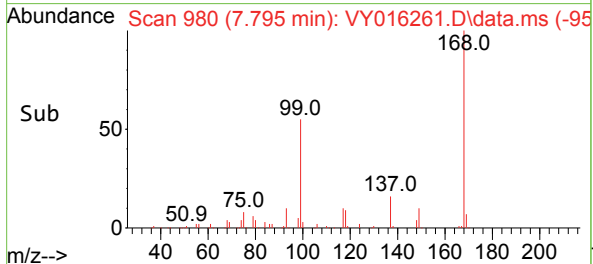


#38
Carbon Tetrachloride
Concen: 5.501 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY016261.D
Acq: 08 Nov 2023 13:16

Instrument :
MSVOA_Y
ClientSampleId :

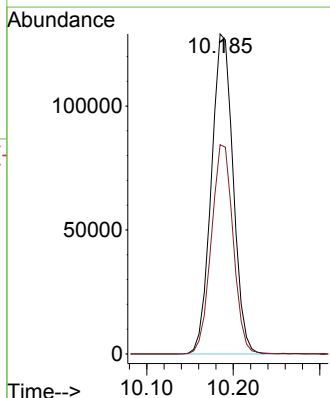
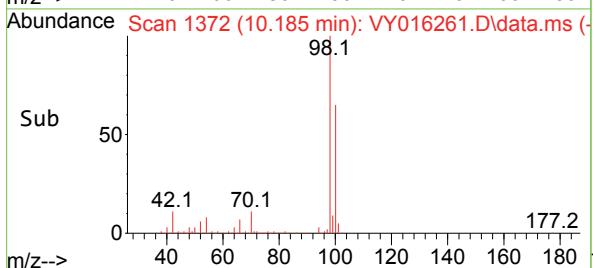
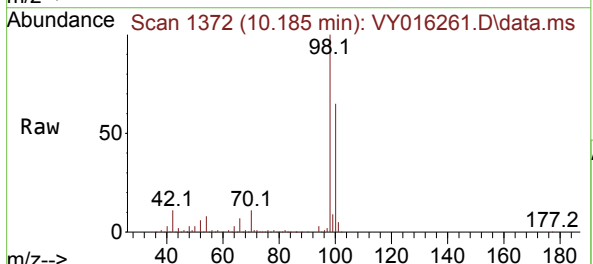


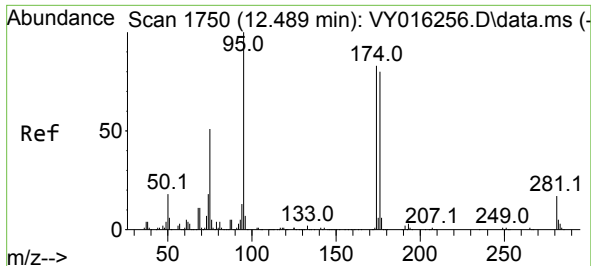
Tgt Ion:117 Resp: 10789
Ion Ratio Lower Upper
117 100
119 5.4 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 51.200 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY016261.D
Acq: 08 Nov 2023 13:16

Tgt Ion: 98 Resp: 225974
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1

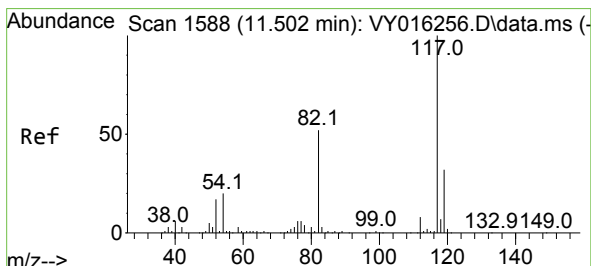
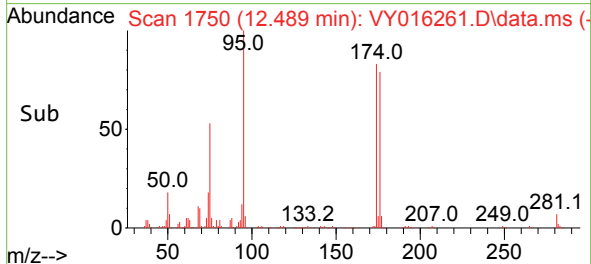
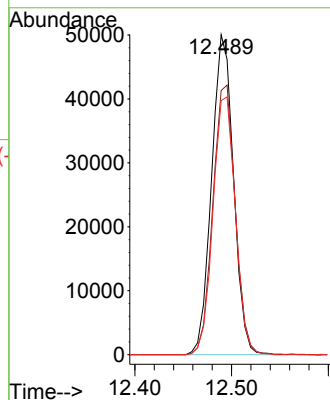
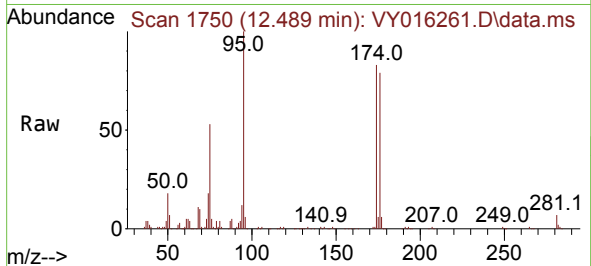




#62
4-Bromofluorobenzene
Concen: 54.709 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016261.D
Acq: 08 Nov 2023 13:16

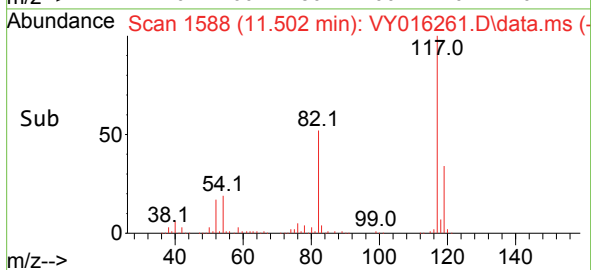
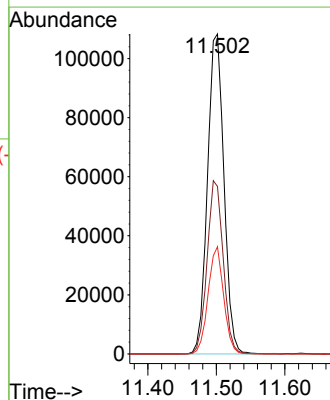
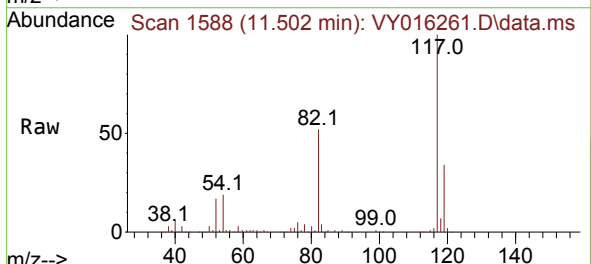
Instrument :
MSVOA_Y
ClientSampleId :

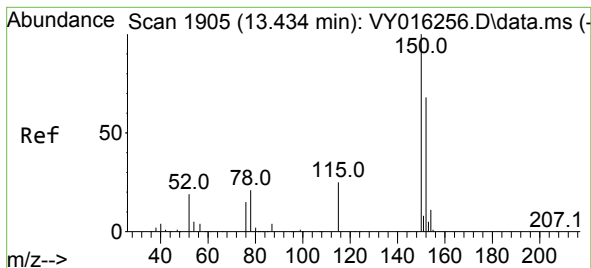
Tgt Ion: 95 Resp: 78423
Ion Ratio Lower Upper
95 100
174 86.2 0.0 178.2
176 82.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016261.D
Acq: 08 Nov 2023 13:16

Tgt Ion: 117 Resp: 180986
Ion Ratio Lower Upper
117 100
82 52.3 43.4 65.0
119 33.5 26.3 39.5

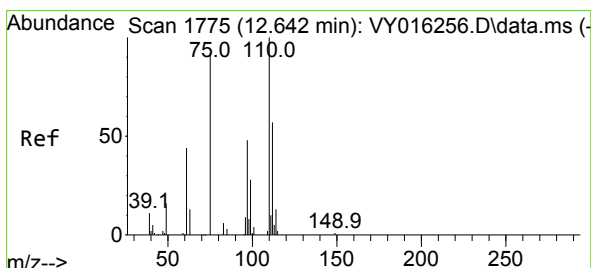
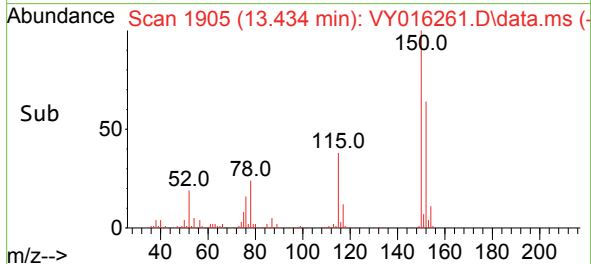
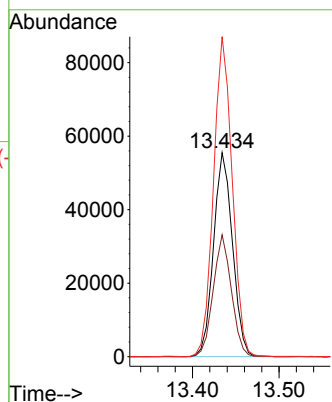
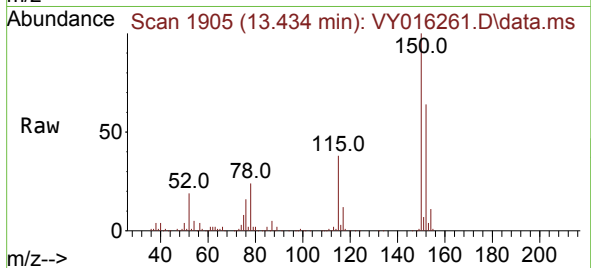




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. -0.000 min
 Lab File: VY016261.D
 Acq: 08 Nov 2023 13:16

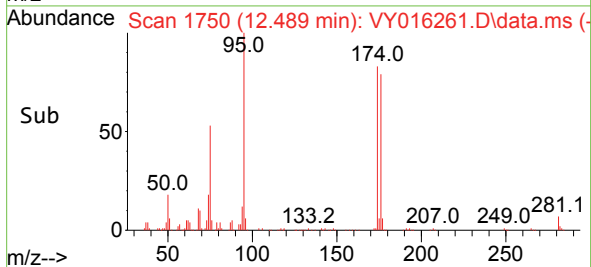
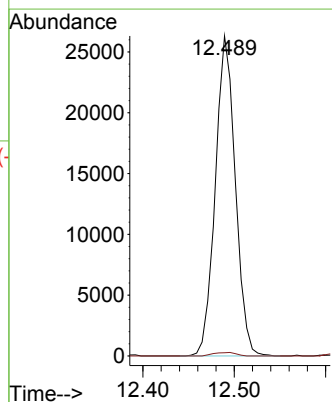
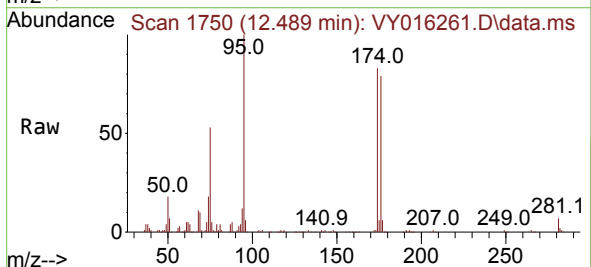
Instrument :
 MSVOA_Y
 ClientSampleId :

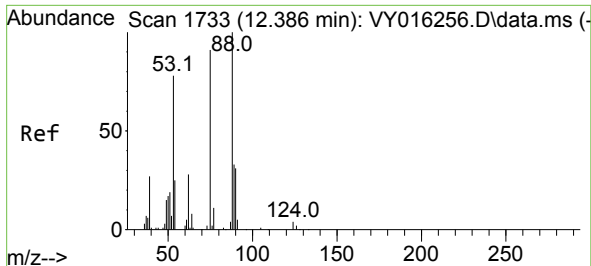
Tgt Ion:152 Resp: 84402
 Ion Ratio Lower Upper
 152 100
 115 57.4 28.8 86.5
 150 155.0 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 49.549 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.153 min
 Lab File: VY016261.D
 Acq: 08 Nov 2023 13:16

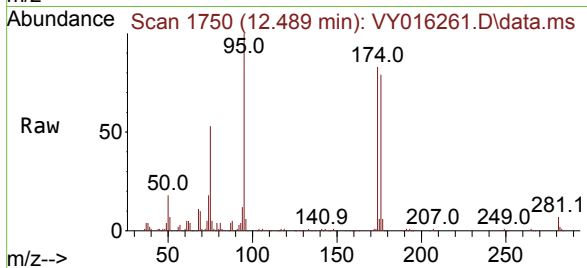
Tgt Ion: 75 Resp: 40118
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



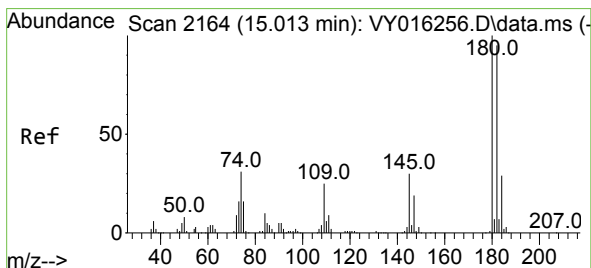
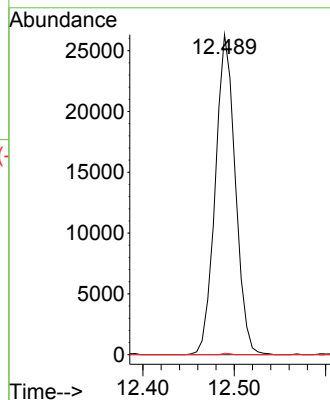
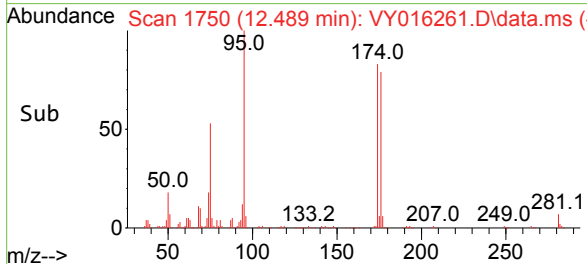


#81
trans-1,4-Dichloro-2-butene
Concen: 107.551 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY016261.D
Acq: 08 Nov 2023 13:16

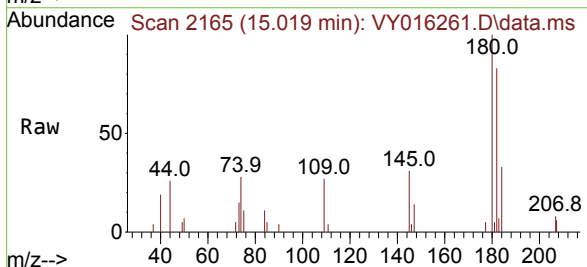
Instrument :
MSVOA_Y
ClientSampleId :



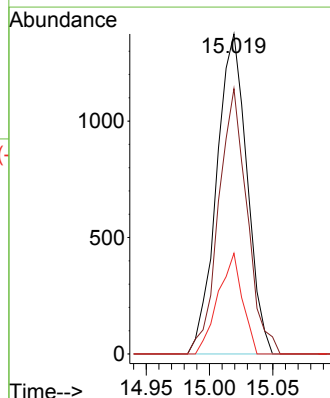
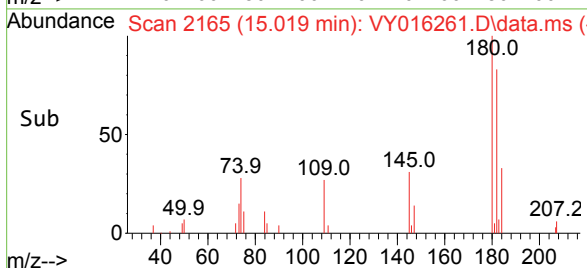
Tgt Ion: 75 Resp: 40118
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#

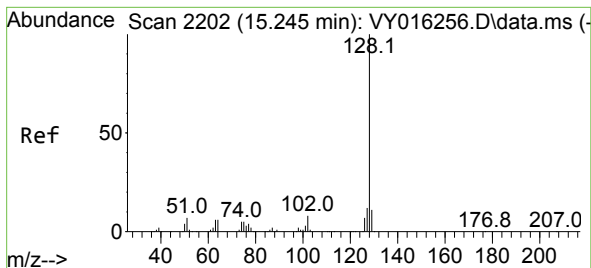


#93
1,2,4-Trichlorobenzene
Concen: 1.544 ug/l
RT: 15.019 min Scan# 2165
Delta R.T. 0.006 min
Lab File: VY016261.D
Acq: 08 Nov 2023 13:16



Tgt Ion: 180 Resp: 2295
Ion Ratio Lower Upper
180 100
182 77.8 47.0 141.2
145 25.3 14.5 43.5





#95

Naphthalene

Concen: 1.778 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY016261.D

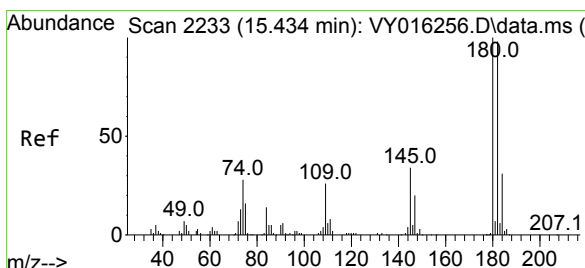
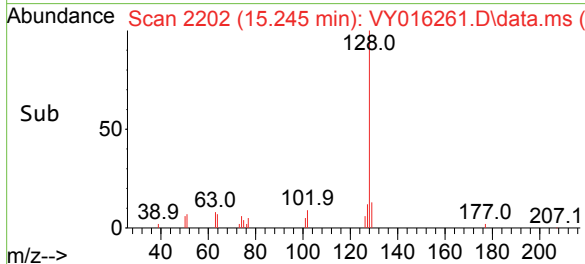
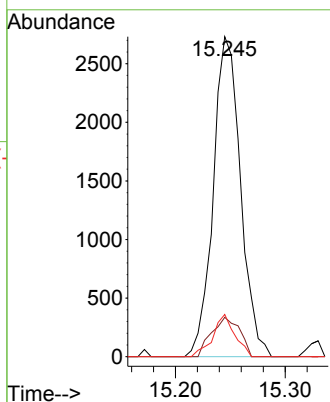
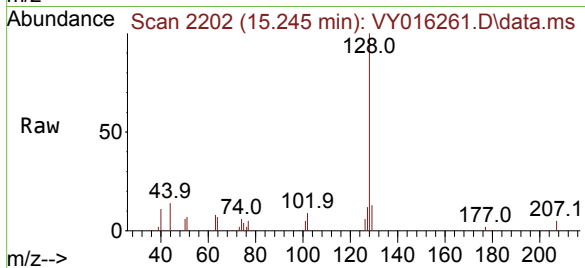
Acq: 08 Nov 2023 13:16

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:128	Resp:	4726
Ion	Ratio	Lower Upper
128	100	
127	12.6	10.8 16.2
129	10.6	8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.621 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. -0.000 min

Lab File: VY016261.D

Acq: 08 Nov 2023 13:16

Tgt Ion:180	Resp:	1993
Ion	Ratio	Lower Upper
180	100	
182	99.9	47.3 141.8
145	37.7	15.4 46.2

