

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111623\
 Data File : VY016401.D
 Acq On : 16 Nov 2023 19:35
 Operator : SY/MD
 Sample : 05449-05
 Misc : 2.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 17 05:20:31 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)

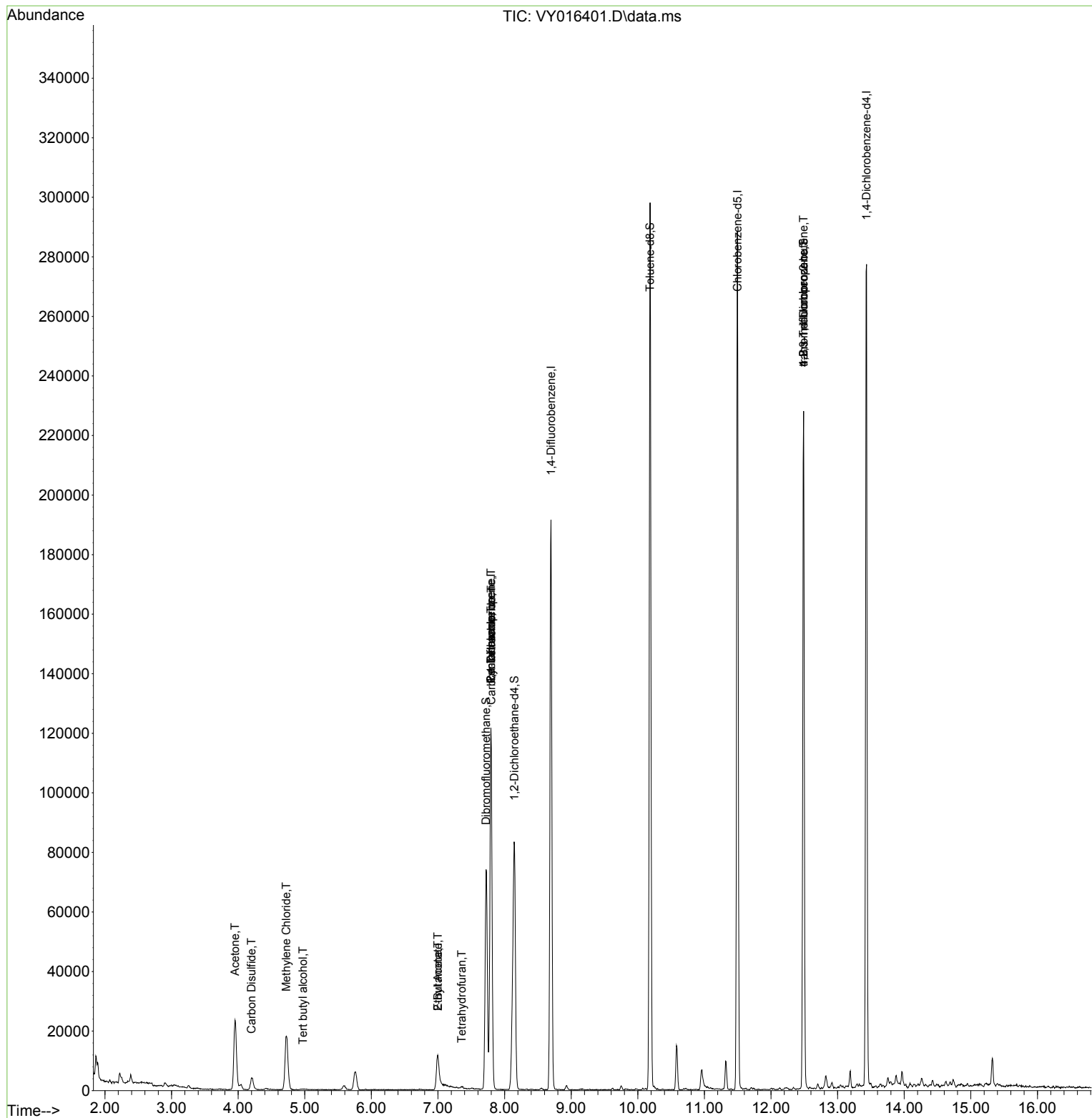
Internal Standards						
1) Pentafluorobenzene	7.795	168	95503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	168401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	161378	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	73911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	57692	66.095	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.200%
35) Dibromofluoromethane	7.722	113	52776	55.169	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.340%
50) Toluene-d8	10.185	98	197788	50.985	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.980%
62) 4-Bromofluorobenzene	12.489	95	68413	54.299	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.600%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	391	5.720	ug/l #	89
16) Acetone	3.954	43	42046	291.214	ug/l #	87
17) Carbon Disulfide	4.198	76	6158	2.115	ug/l	98
20) Methylene Chloride	4.722	84	14821	11.877	ug/l #	81
25) 2-Butanone	6.996	43	19395	76.693	ug/l	97
29) Tetrahydrofuran	7.356	42	262	1.567	ug/l #	41
31) Cyclohexane	7.795	56	1881	1.095	ug/l #	9
36) 1,1-Dichloropropene	7.795	75	6996	4.212	ug/l #	50
37) Ethyl Acetate	6.996	43	19395	28.898	ug/l #	71
38) Carbon Tetrachloride	7.801	117	9497	5.509	ug/l #	16
76) 1,2,3-Trichloropropane	12.489	75	35522	50.100	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	35522	108.746	ug/l #	11

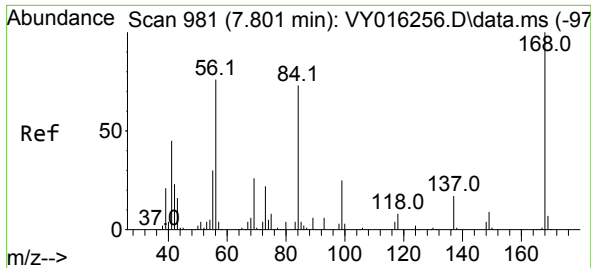
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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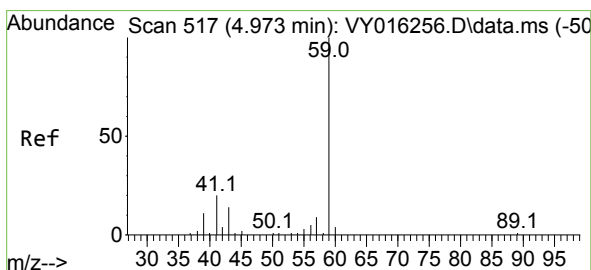
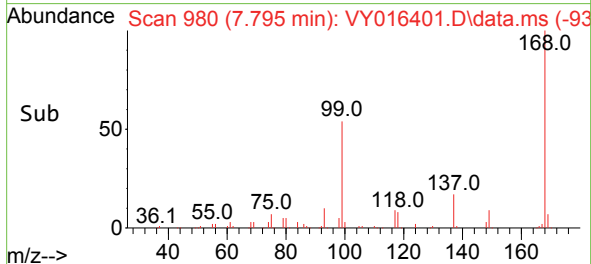
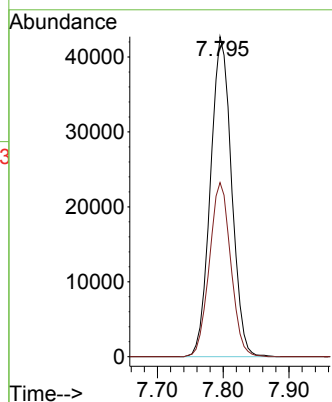
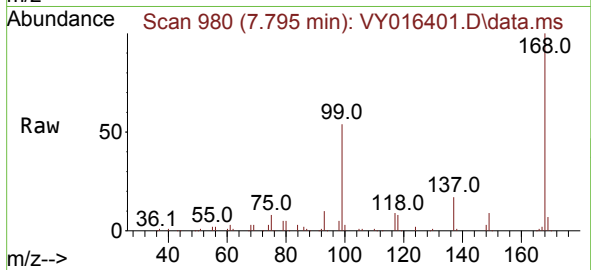




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016401.D
Acq: 16 Nov 2023 19:35

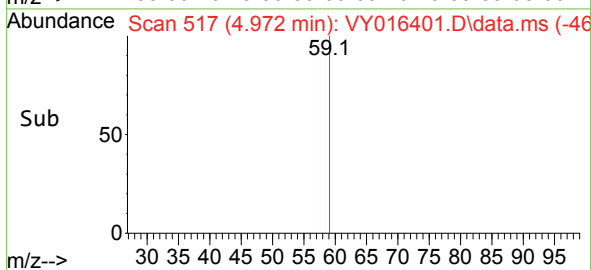
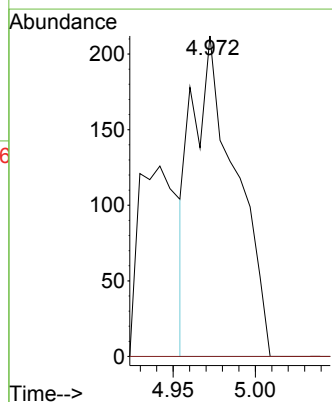
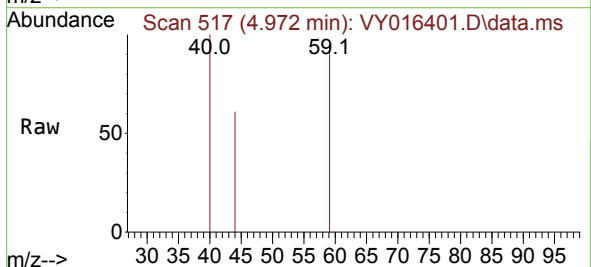
Instrument :
MSVOA_Y
ClientSampleId :

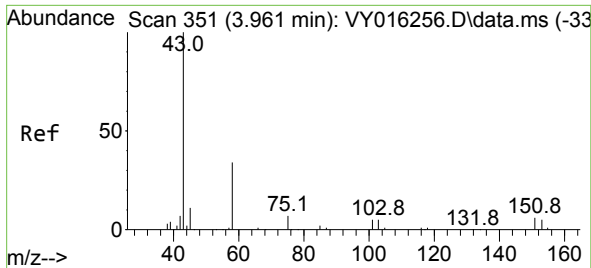
Tgt Ion:168 Resp: 95503
Ion Ratio Lower Upper
168 100
99 54.4 43.4 65.0



#11
Tert butyl alcohol
Concen: 5.720 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.000 min
Lab File: VY016401.D
Acq: 16 Nov 2023 19:35

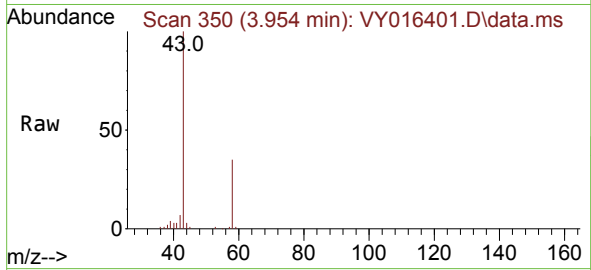
Tgt Ion: 59 Resp: 391
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



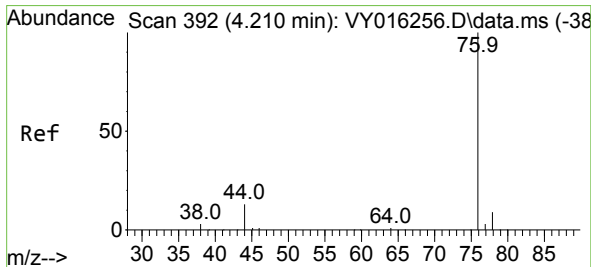
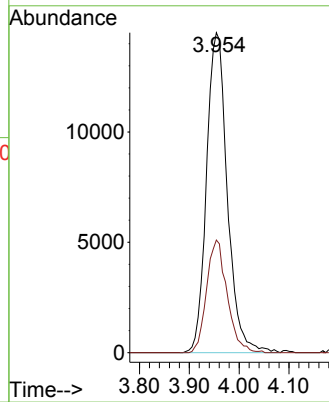
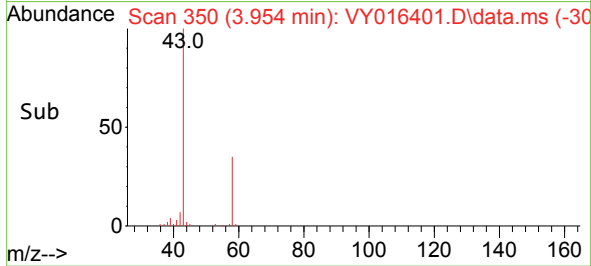


#16
Acetone
Concen: 291.214 ug/l
RT: 3.954 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY016401.D
Acq: 16 Nov 2023 19:35

Instrument :
MSVOA_Y
ClientSampleId :

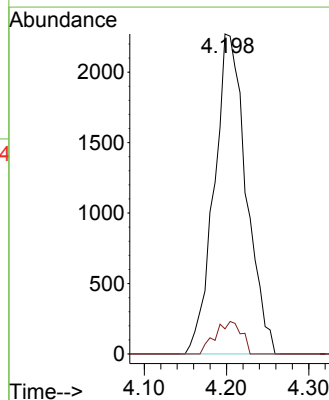
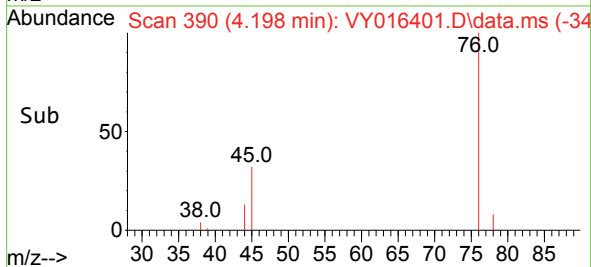
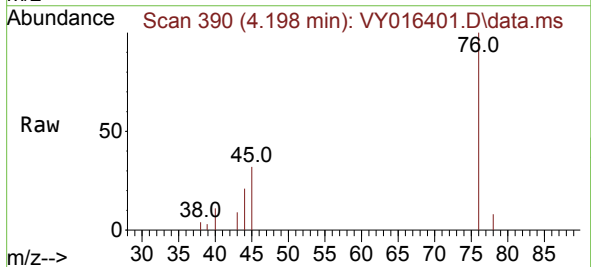


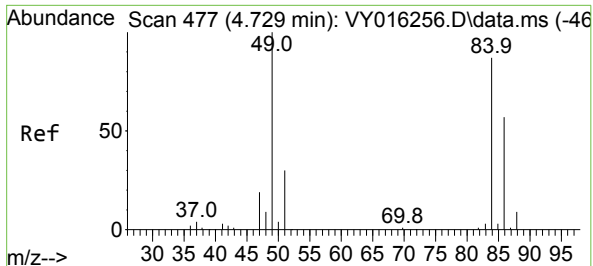
Tgt Ion: 43 Resp: 42046
Ion Ratio Lower Upper
43 100
58 35.2 22.7 34.1#



#17
Carbon Disulfide
Concen: 2.115 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.012 min
Lab File: VY016401.D
Acq: 16 Nov 2023 19:35

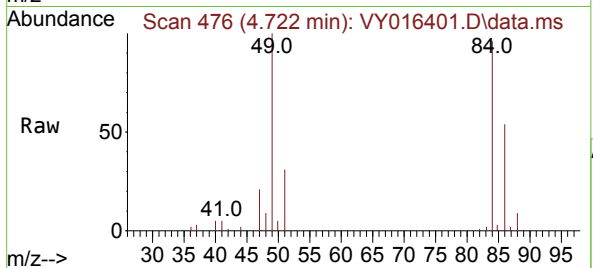
Tgt Ion: 76 Resp: 6158
Ion Ratio Lower Upper
76 100
78 7.8 7.0 10.4



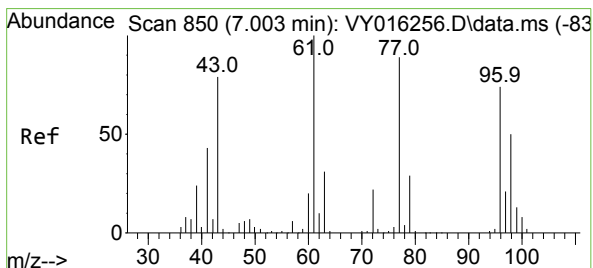
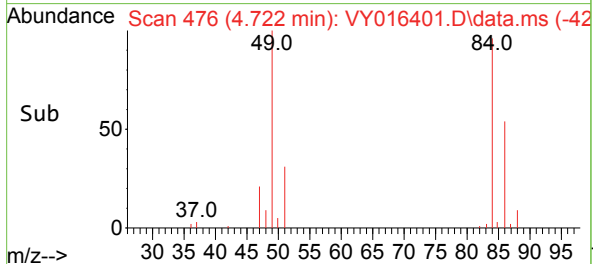
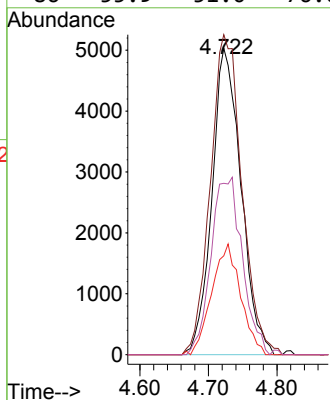


#20
Methylene Chloride
Concen: 11.877 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY016401.D
Acq: 16 Nov 2023 19:35

Instrument :
MSVOA_Y
ClientSampleId :

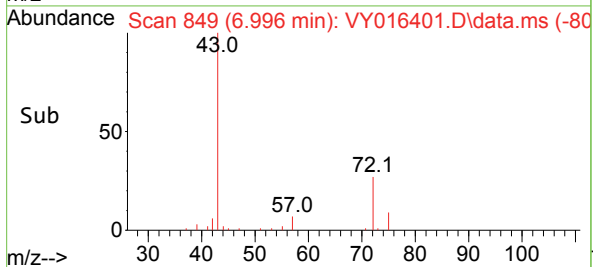
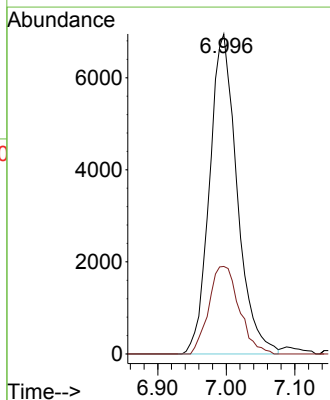
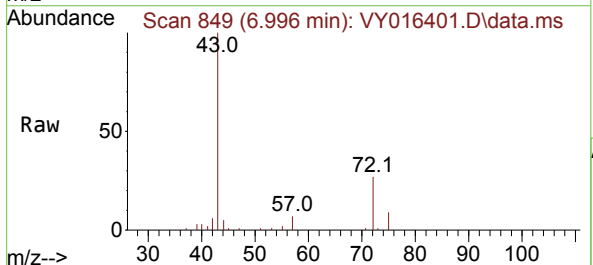


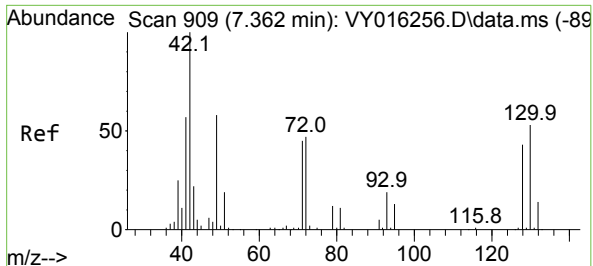
Tgt Ion:	84	Resp:	14821
Ion	Ratio	Lower	Upper
84	100		
49	104.4	106.9	160.3#
51	32.3	33.2	49.8#
86	55.9	51.0	76.6



#25
2-Butanone
Concen: 76.693 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY016401.D
Acq: 16 Nov 2023 19:35

Tgt Ion:	43	Resp:	19395
Ion	Ratio	Lower	Upper
43	100		
72	27.3	20.5	30.7





#29

Tetrahydrofuran

Concen: 1.567 ug/l

RT: 7.356 min Scan# 90

Delta R.T. -0.006 min

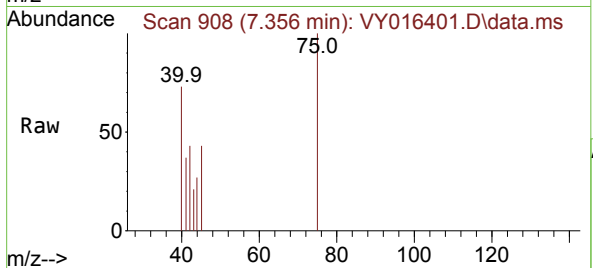
Lab File: VY016401.D

Acq: 16 Nov 2023 19:35

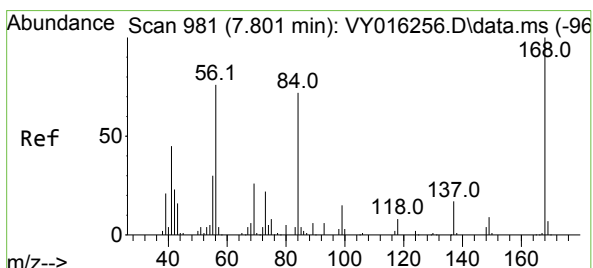
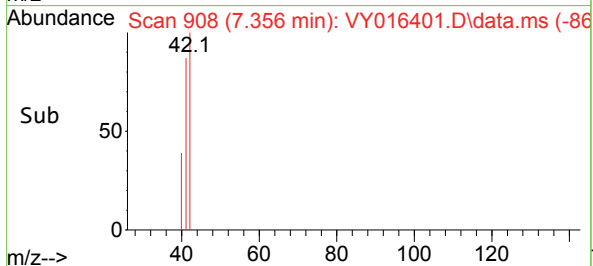
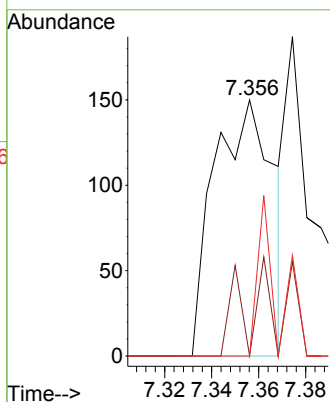
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	262
Ion	Ratio	Lower	Upper
42	100		
72	7.3	32.8	49.2#
71	0.0	31.0	46.4#



#31

Cyclohexane

Concen: 1.095 ug/l

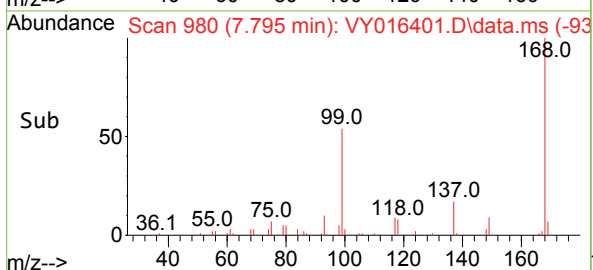
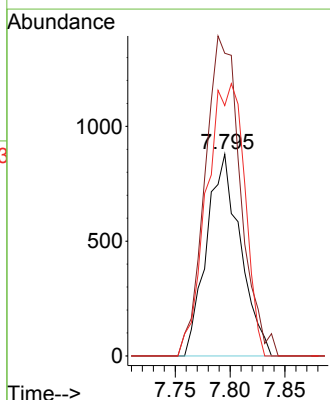
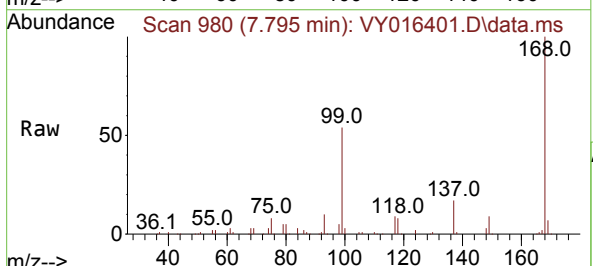
RT: 7.795 min Scan# 980

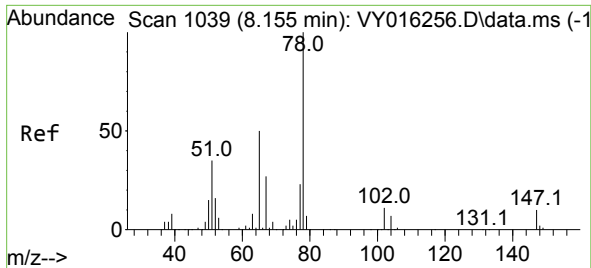
Delta R.T. -0.006 min

Lab File: VY016401.D

Acq: 16 Nov 2023 19:35

Tgt Ion:	56	Resp:	1881
Ion	Ratio	Lower	Upper
56	100		
69	150.1	27.8	41.6#
84	124.1	66.4	99.6#

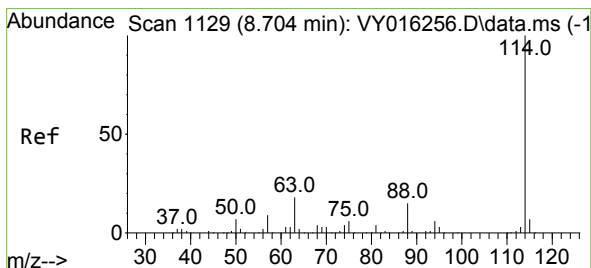
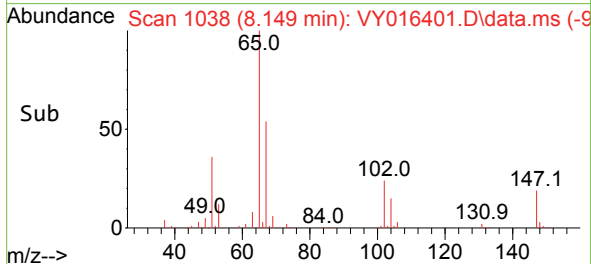
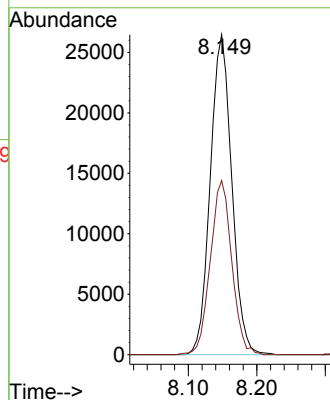
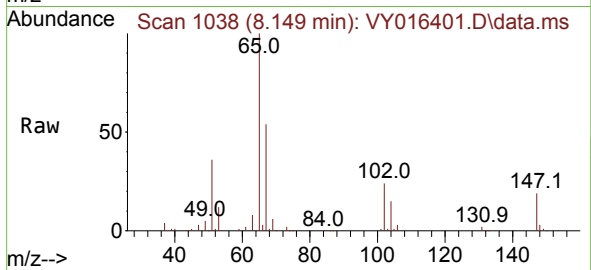




#33
 1,2-Dichloroethane-d4
 Concen: 66.095 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. -0.006 min
 Lab File: VY016401.D
 Acq: 16 Nov 2023 19:35

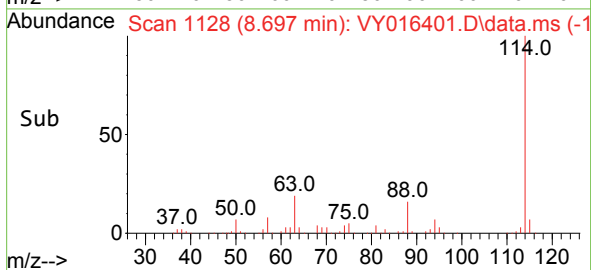
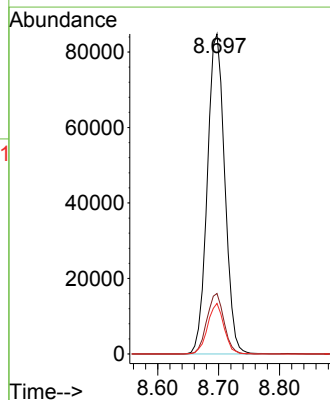
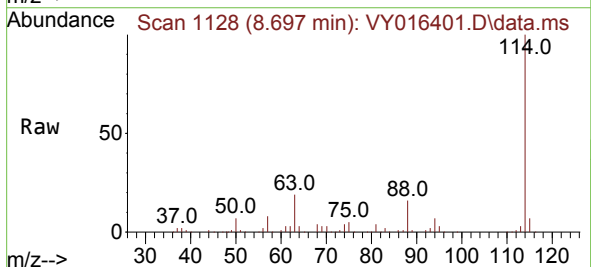
Instrument :
 MSVOA_Y
 ClientSampleId :

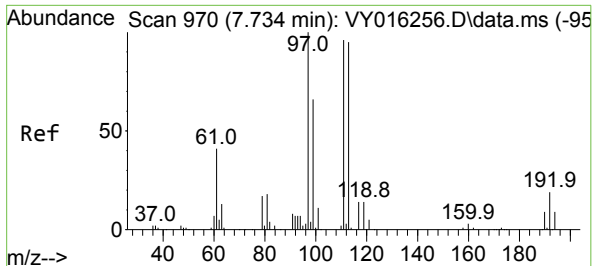
Tgt Ion: 65 Resp: 57692
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.006 min
 Lab File: VY016401.D
 Acq: 16 Nov 2023 19:35

Tgt Ion:114 Resp: 168401
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 42.4
 88 15.8 0.0 30.6

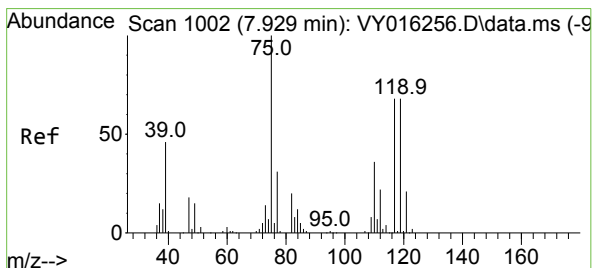
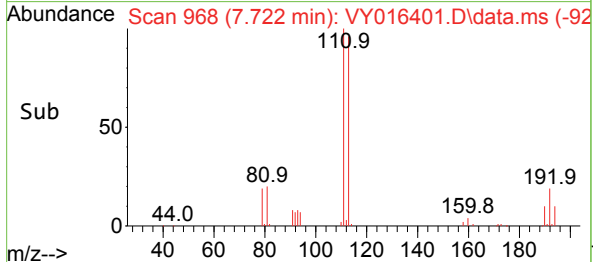
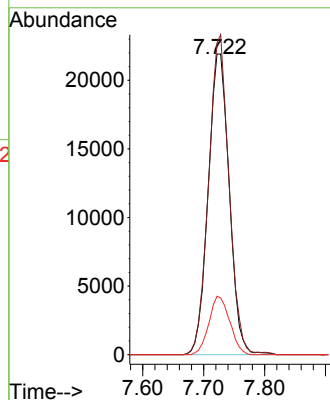
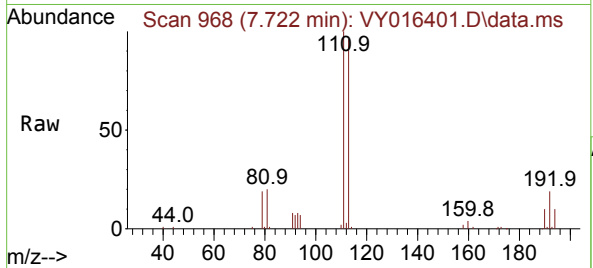




#35
Dibromofluoromethane
Concen: 55.169 ug/l
RT: 7.722 min Scan# 90
Delta R.T. -0.012 min
Lab File: VY016401.D
Acq: 16 Nov 2023 19:35

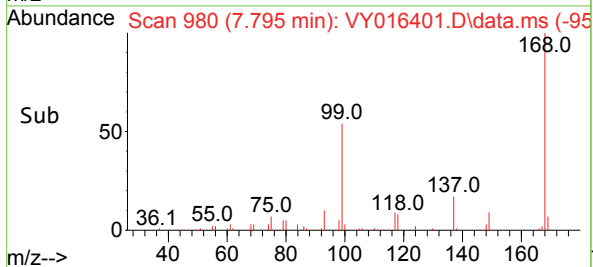
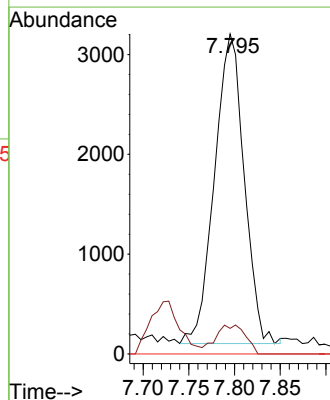
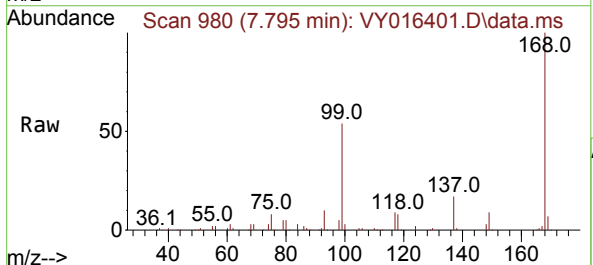
Instrument :
MSVOA_Y
ClientSampleId :

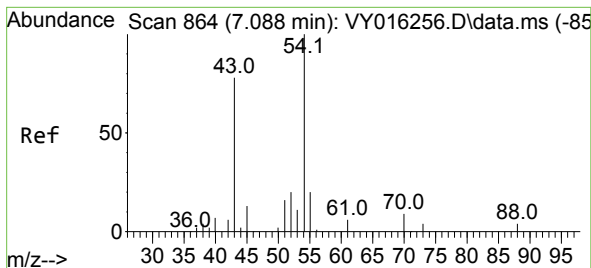
Tgt Ion:113 Resp: 52776
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 19.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.212 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY016401.D
Acq: 16 Nov 2023 19:35

Tgt Ion: 75 Resp: 6996
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 28.898 ug/l

RT: 6.996 min Scan# 84

Delta R.T. -0.092 min

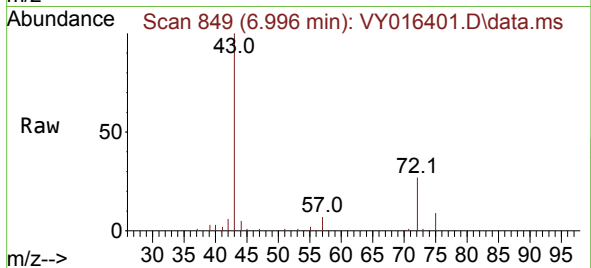
Lab File: VY016401.D

Acq: 16 Nov 2023 19:35

Instrument :

MSVOA_Y

ClientSampleId :



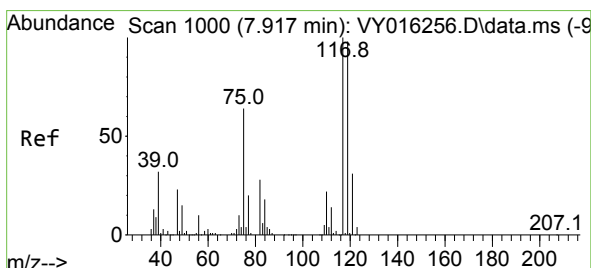
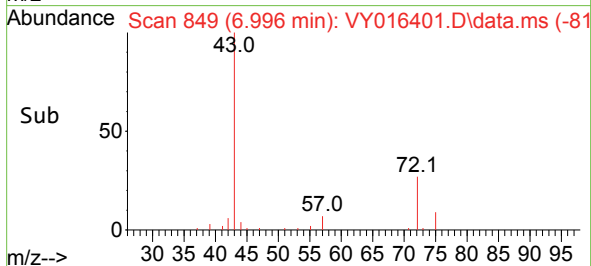
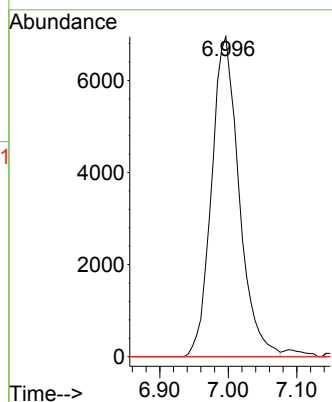
Tgt Ion: 43 Resp: 19395

Ion Ratio Lower Upper

43 100

61 0.0 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.509 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY016401.D

Acq: 16 Nov 2023 19:35

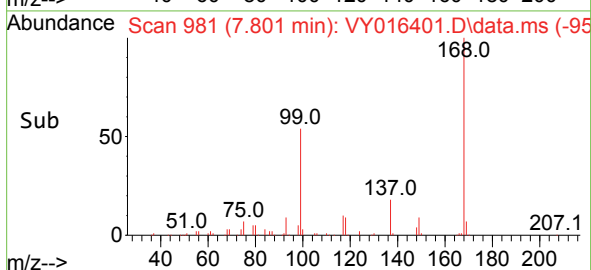
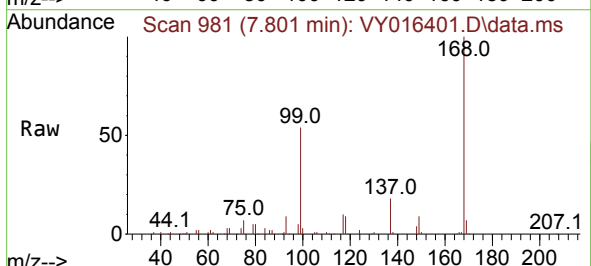
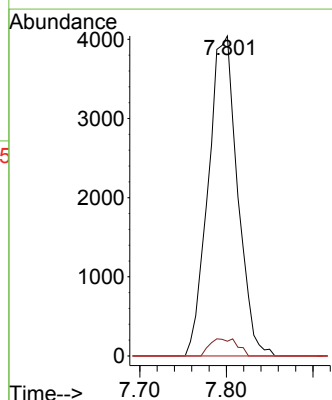
Tgt Ion: 117 Resp: 9497

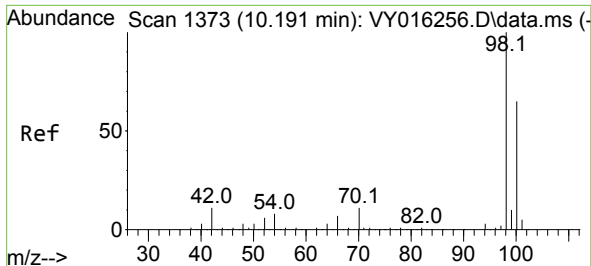
Ion Ratio Lower Upper

117 100

119 4.6 76.4 114.6#

121 0.0 25.8 38.6#

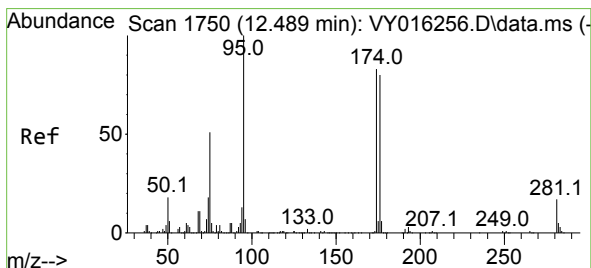
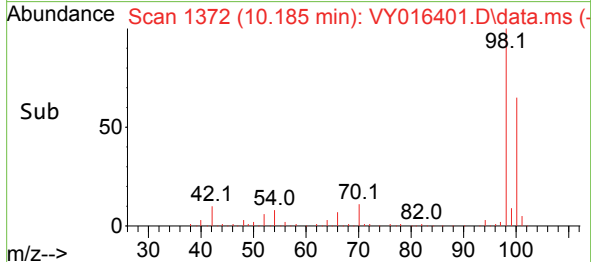
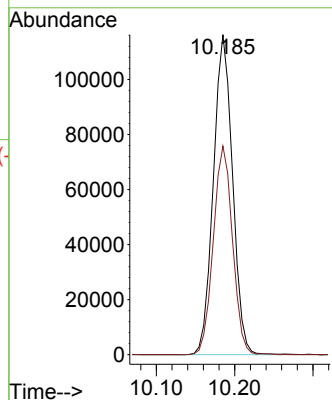
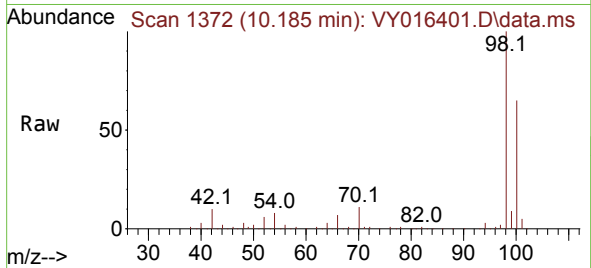




#50
Toluene-d8
Concen: 50.985 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016401.D
Acq: 16 Nov 2023 19:35

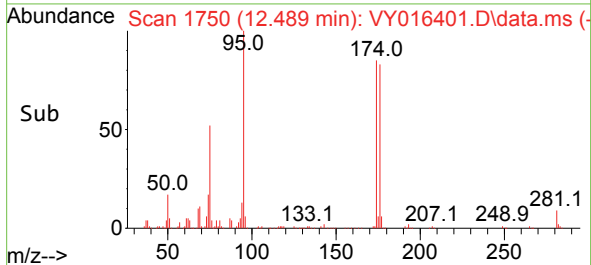
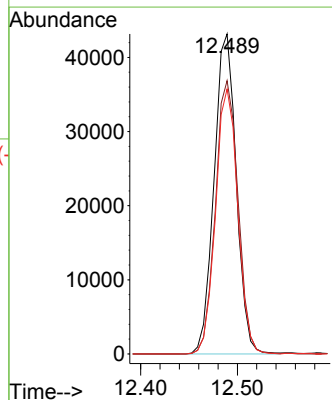
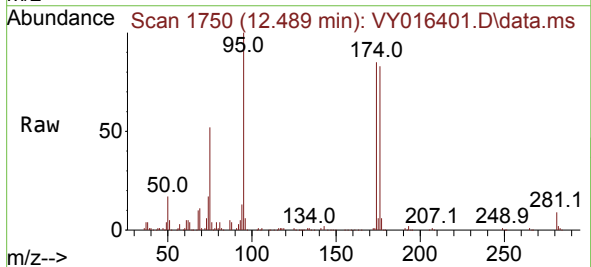
Instrument :
MSVOA_Y
ClientSampleId :

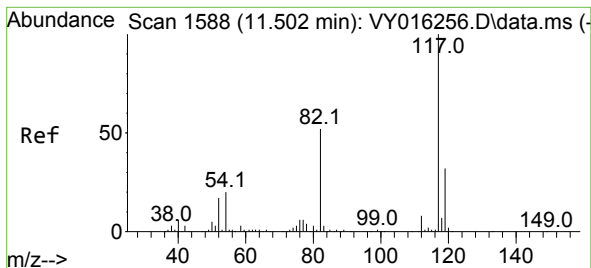
Tgt Ion: 98 Resp: 197788
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 54.299 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016401.D
Acq: 16 Nov 2023 19:35

Tgt Ion: 95 Resp: 68413
Ion Ratio Lower Upper
95 100
174 87.4 0.0 178.2
176 82.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016401.D

Acq: 16 Nov 2023 19:35

Instrument :

MSVOA_Y

ClientSampleId :

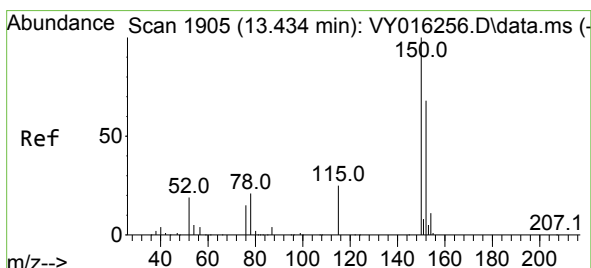
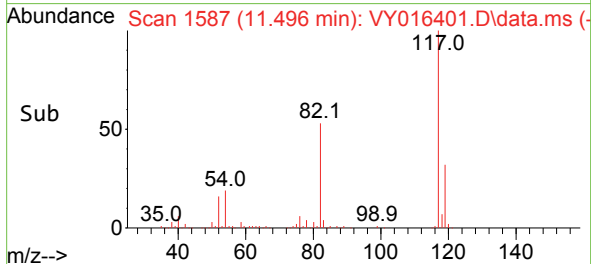
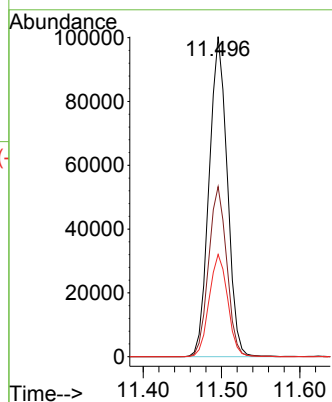
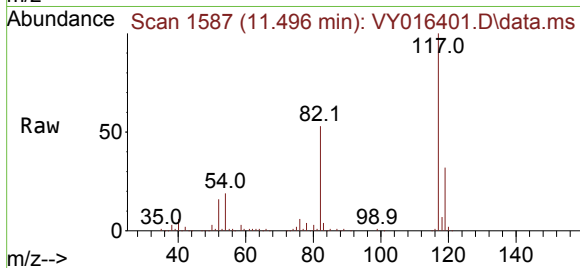
Tgt Ion:117 Resp: 161378

Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.0

119 31.9 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: VY016401.D

Acq: 16 Nov 2023 19:35

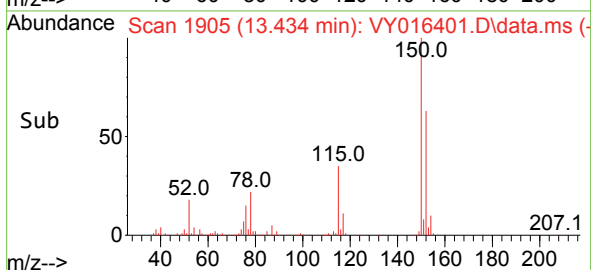
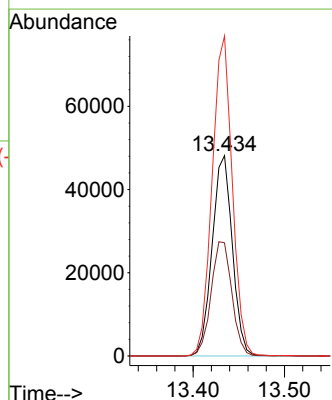
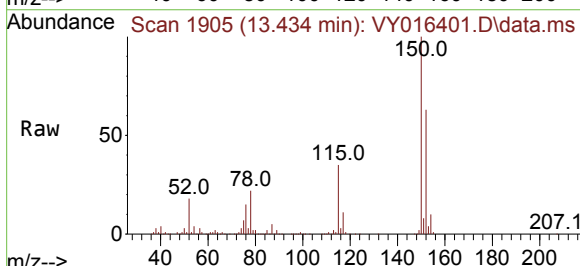
Tgt Ion:152 Resp: 73911

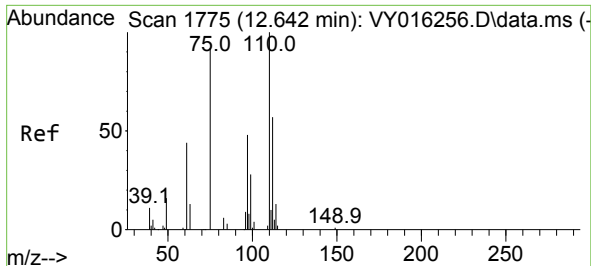
Ion Ratio Lower Upper

152 100

115 58.8 28.8 86.5

150 158.7 0.0 348.8

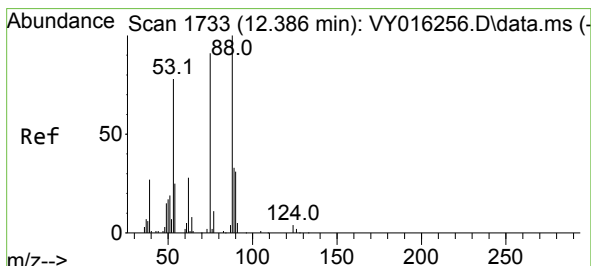
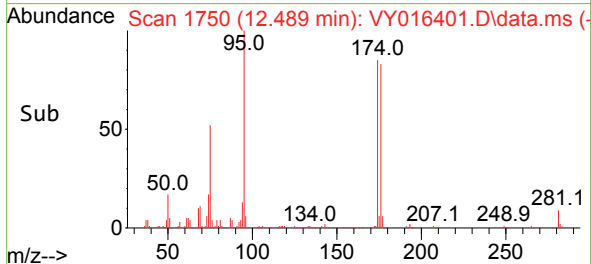
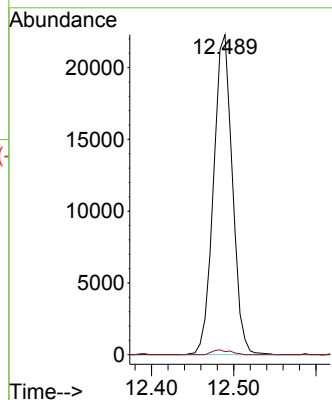
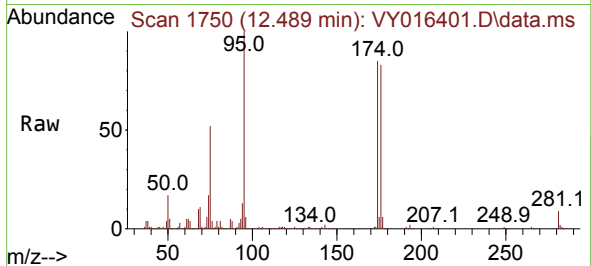




#76
1,2,3-Trichloropropane
Concen: 50.100 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.153 min
Lab File: VY016401.D
Acq: 16 Nov 2023 19:35

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 35522
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.746 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.103 min
Lab File: VY016401.D
Acq: 16 Nov 2023 19:35

Tgt Ion: 75 Resp: 35522
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

