

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016740.D
 Acq On : 21 Dec 2023 05:10
 Operator : SY/MD
 Sample : 05876-09
 Misc : 4.72g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 21 05:40:21 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)

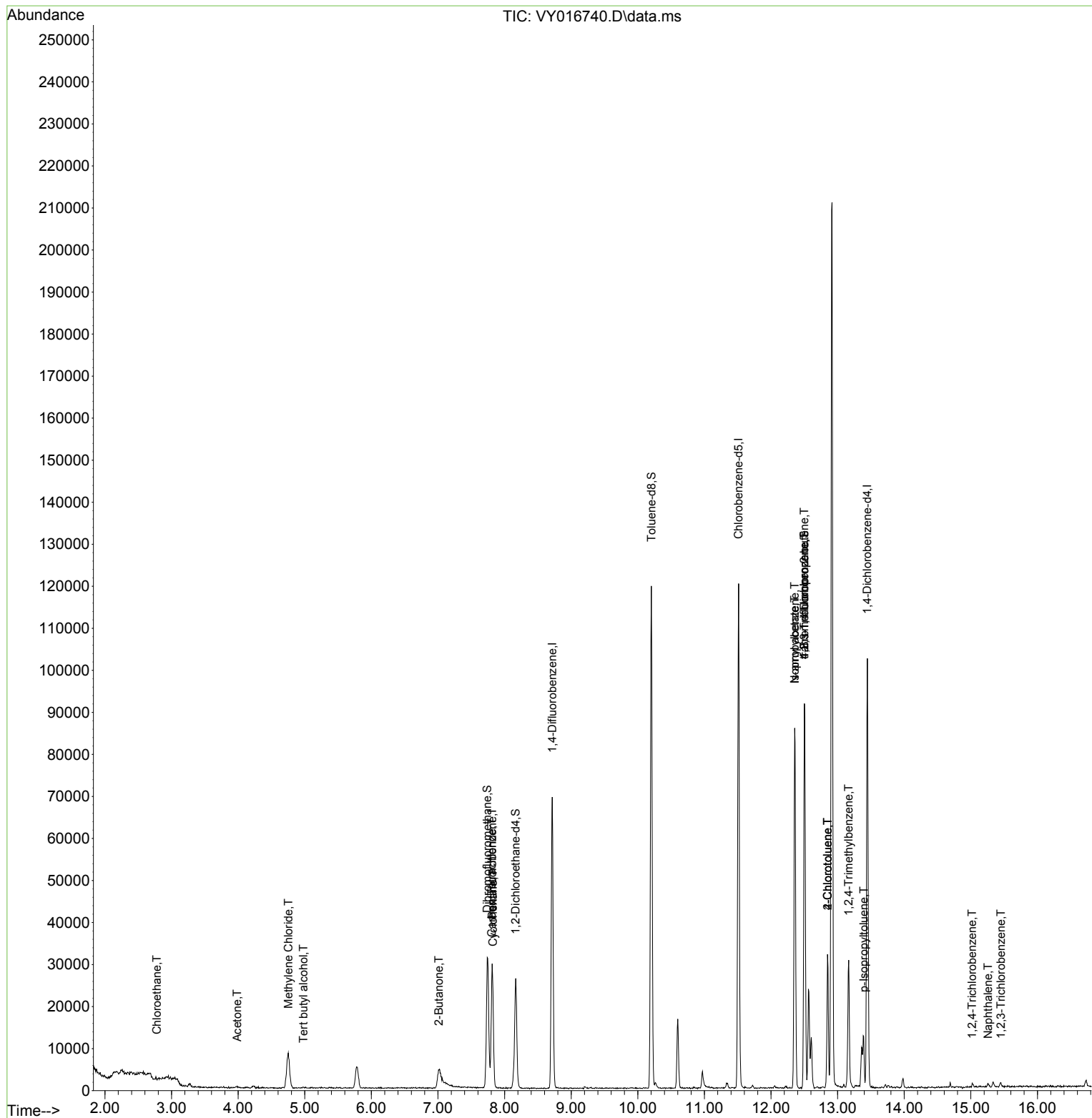
Internal Standards						
1) Pentafluorobenzene	7.813	168	22431	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.716	114	58790	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	66345	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	24754	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	19385	94.667	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 189.340%#	
35) Dibromofluoromethane	7.740	113	23465	69.678	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 139.360%	
50) Toluene-d8	10.203	98	78720	64.844	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 129.680%	
62) 4-Bromofluorobenzene	12.502	95	27086	68.771	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 137.540%	
Target Compounds						
					Qvalue	
6) Chloroethane	2.778	64	268	1.188	ug/l #	43
11) Tert butyl alcohol	4.979	59	258	15.367	ug/l #	75
16) Acetone	3.985	43	579	10.456	ug/l #	73
20) Methylene Chloride	4.753	84	6335	20.249	ug/l	87
25) 2-Butanone	7.015	43	360	4.722	ug/l #	48
31) Cyclohexane	7.826	56	528	1.346	ug/l #	1
38) Carbon Tetrachloride	7.807	117	2223	4.161	ug/l #	17
73) Isopropylbenzene	12.355	105	3950	2.049	ug/l #	74
74) N-amyl acetate	12.355	43	1793	4.432	ug/l #	19
76) 1,2,3-Trichloropropane	12.502	75	14230	52.002	ug/l #	100
79) 2-Chlorotoluene	12.849	91	3077	2.381	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.502	75	14230	122.124	ug/l #	12
82) 4-Chlorotoluene	12.849	91	3077	2.321	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.166	105	1883	1.251	ug/l #	66
86) p-Isopropyltoluene	13.392	119	6276	3.833	ug/l #	84
93) 1,2,4-Trichlorobenzene	15.019	180	407	1.095	ug/l #	88
95) Naphthalene	15.257	128	1007	4.763	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.452	180	481	1.520	ug/l	91

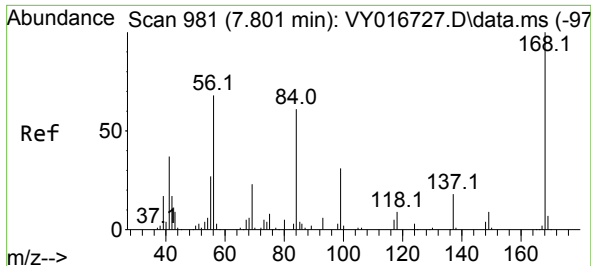
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 21 01:49:45 2023
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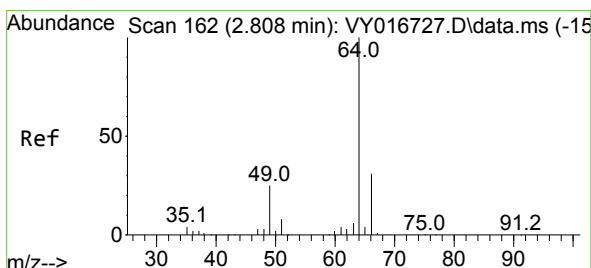
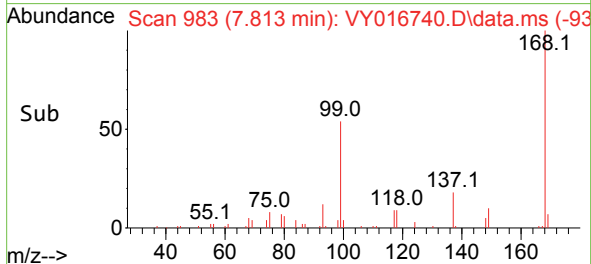
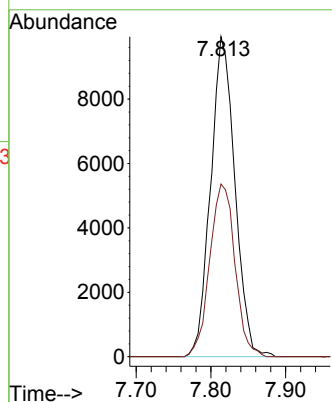
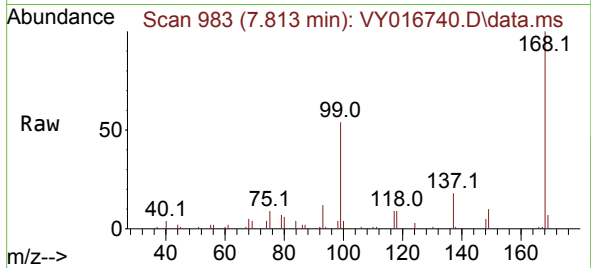




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016740.D
Acq: 21 Dec 2023 05:10

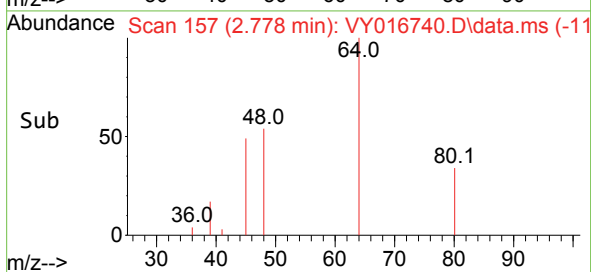
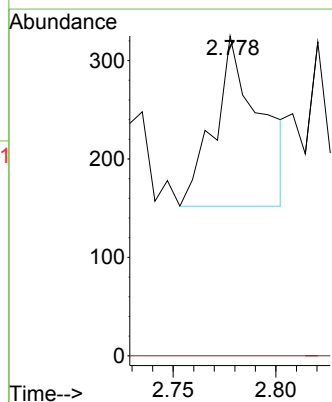
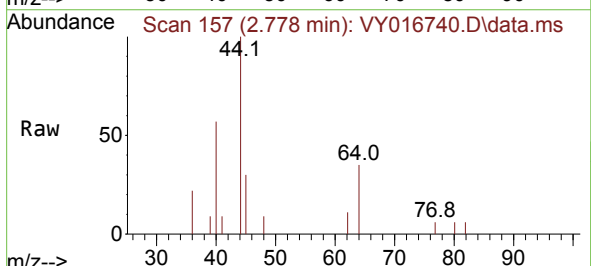
Instrument :
MSVOA_Y
ClientSampleId :

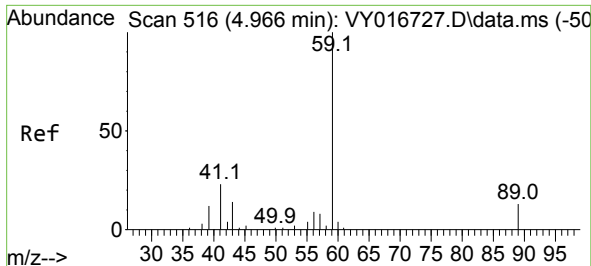
Tgt Ion:168 Resp: 22431
Ion Ratio Lower Upper
168 100
99 53.9 44.2 66.4



#6
Chloroethane
Concen: 1.188 ug/l
RT: 2.778 min Scan# 157
Delta R.T. -0.030 min
Lab File: VY016740.D
Acq: 21 Dec 2023 05:10

Tgt Ion: 64 Resp: 268
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

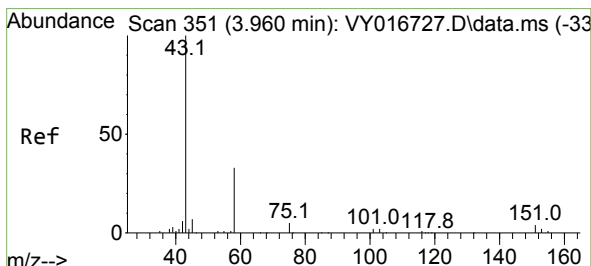
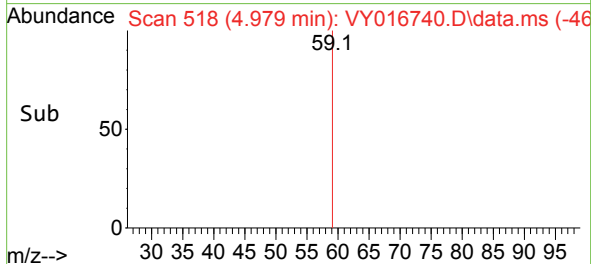
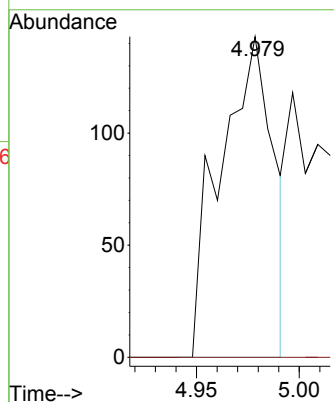
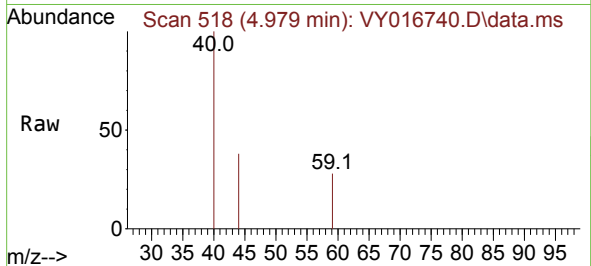




#11
Tert butyl alcohol
Concen: 15.367 ug/l
RT: 4.979 min Scan# 516
Delta R.T. 0.013 min
Lab File: VY016740.D
Acq: 21 Dec 2023 05:10

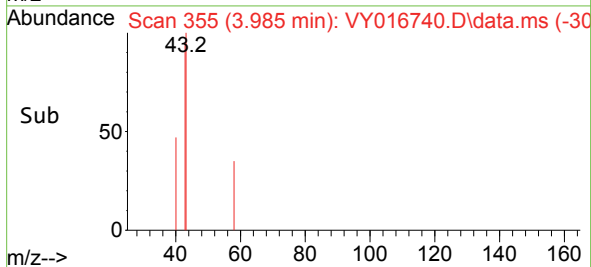
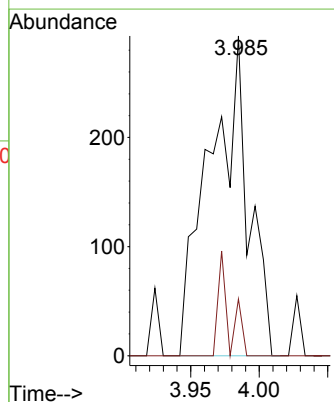
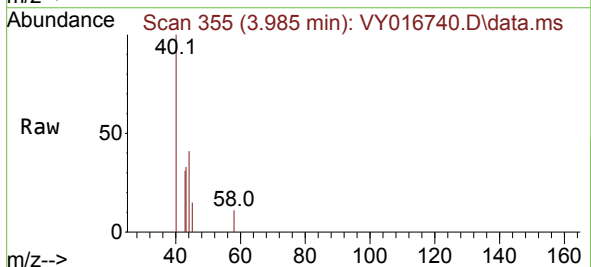
Instrument :
MSVOA_Y
ClientSampleId :

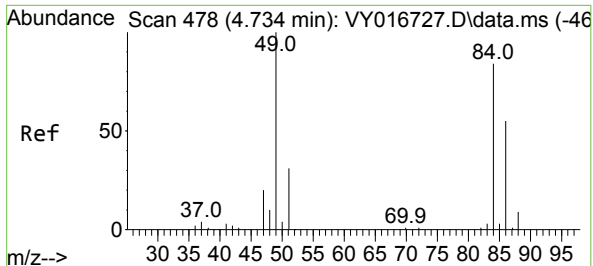
Tgt Ion: 59 Resp: 258
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#16
Acetone
Concen: 10.456 ug/l
RT: 3.985 min Scan# 355
Delta R.T. 0.025 min
Lab File: VY016740.D
Acq: 21 Dec 2023 05:10

Tgt Ion: 43 Resp: 579
Ion Ratio Lower Upper
43 100
58 17.7 26.6 39.8#





#20

Methylene Chloride

Concen: 20.249 ug/l

RT: 4.753 min Scan# 41

Delta R.T. 0.019 min

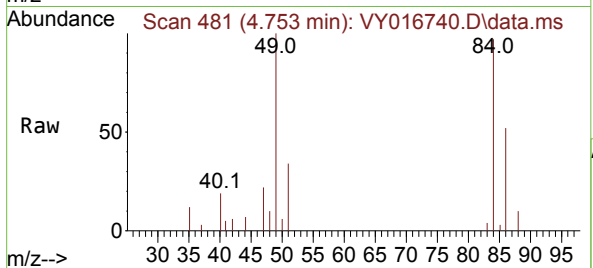
Lab File: VY016740.D

Acq: 21 Dec 2023 05:10

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 6335

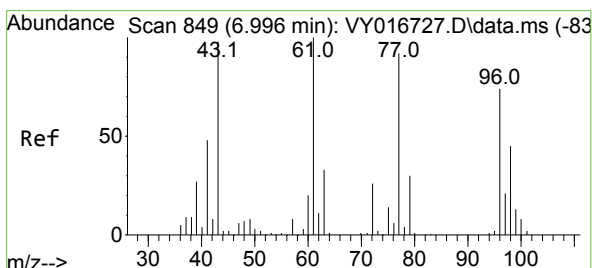
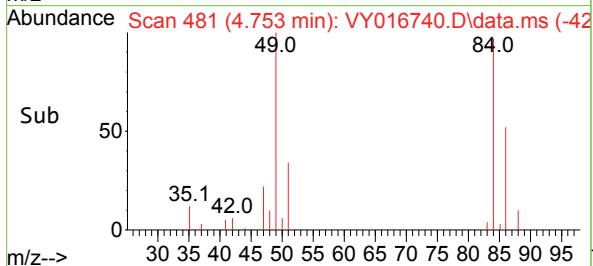
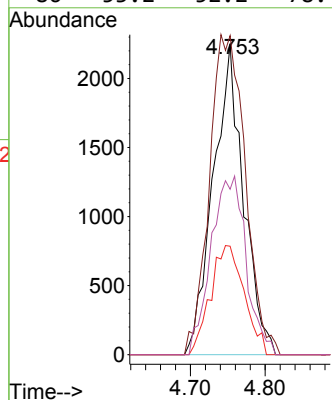
Ion Ratio Lower Upper

84 100

49 102.6 95.2 142.8

51 34.9 29.9 44.9

86 53.2 52.2 78.4



#25

2-Butanone

Concen: 4.722 ug/l

RT: 7.015 min Scan# 852

Delta R.T. 0.019 min

Lab File: VY016740.D

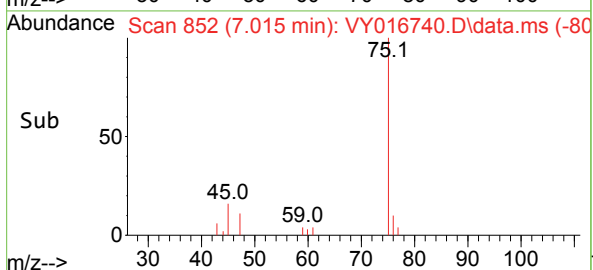
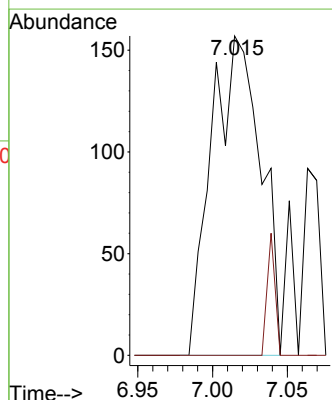
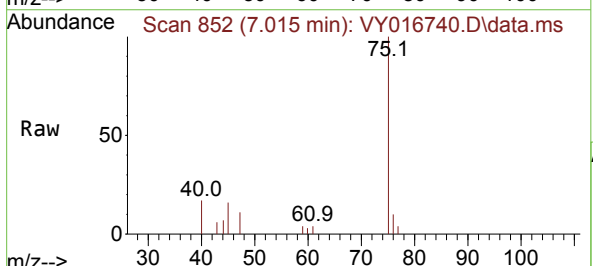
Acq: 21 Dec 2023 05:10

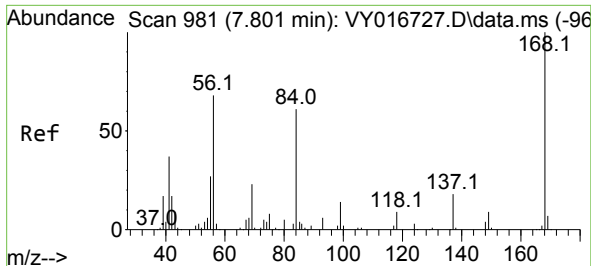
Tgt Ion: 43 Resp: 360

Ion Ratio Lower Upper

43 100

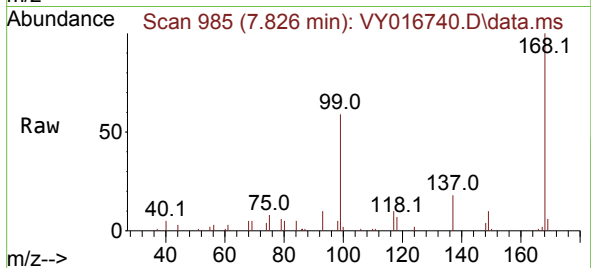
72 0.0 21.4 32.2#



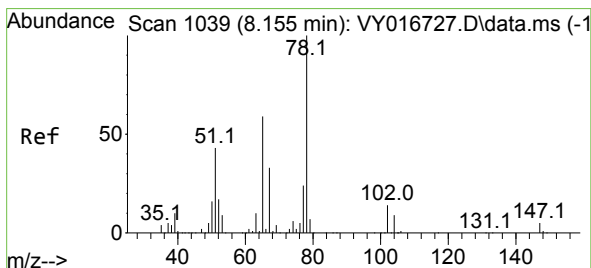
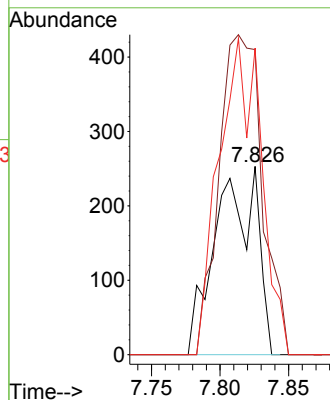
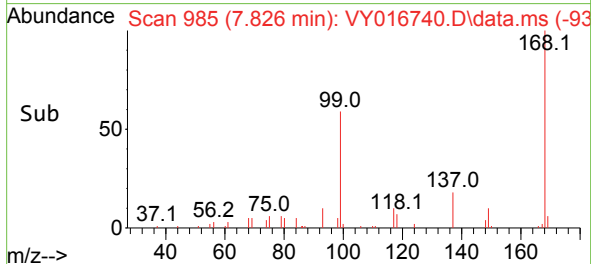


#31
Cyclohexane
Concen: 1.346 ug/l
RT: 7.826 min Scan# 91
Delta R.T. 0.025 min
Lab File: VY016740.D
Acq: 21 Dec 2023 05:10

Instrument :
MSVOA_Y
ClientSampleId :

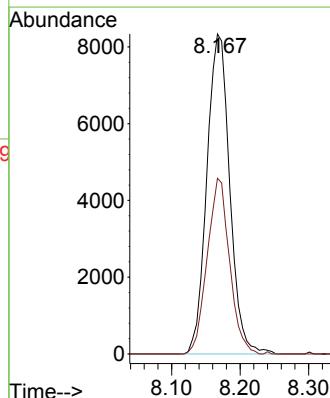
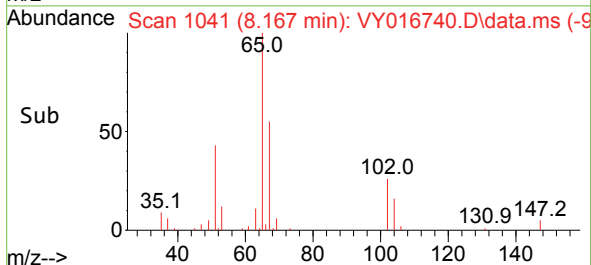
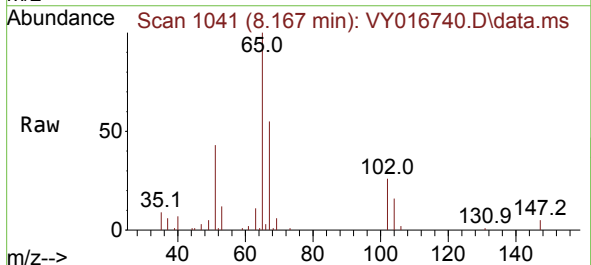


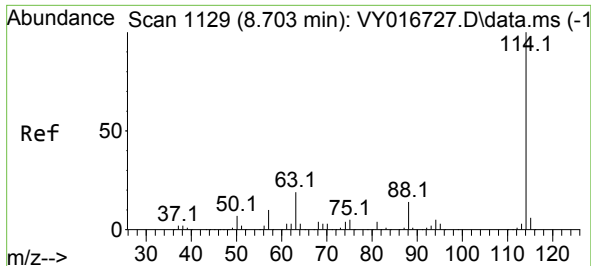
Tgt Ion: 56 Resp: 528
Ion Ratio Lower Upper
56 100
69 162.1 27.0 40.6#
84 162.8 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 94.667 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY016740.D
Acq: 21 Dec 2023 05:10

Tgt Ion: 65 Resp: 19385
Ion Ratio Lower Upper
65 100
67 53.5 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1131

Delta R.T. 0.013 min

Lab File: VY016740.D

Acq: 21 Dec 2023 05:10

Instrument :

MSVOA_Y

ClientSampleId :

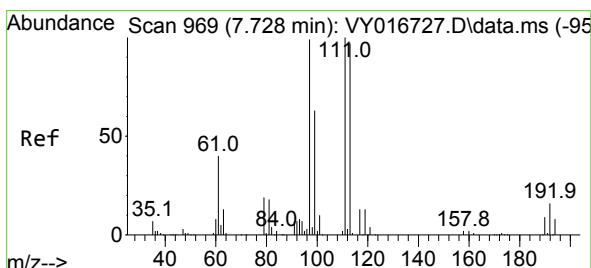
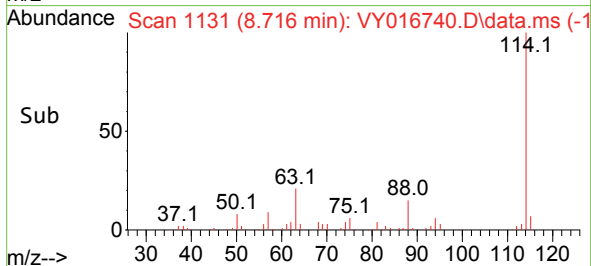
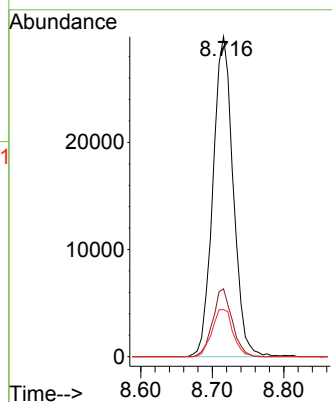
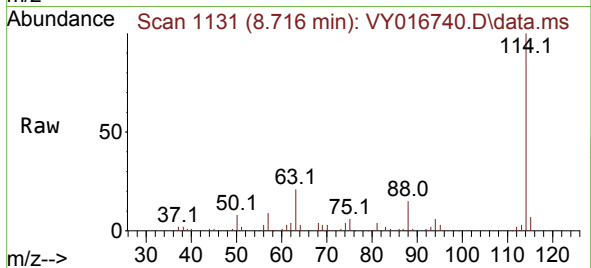
Tgt Ion:114 Resp: 58790

Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.4

88 14.7 0.0 29.0



#35

Dibromofluoromethane

Concen: 69.678 ug/l

RT: 7.740 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY016740.D

Acq: 21 Dec 2023 05:10

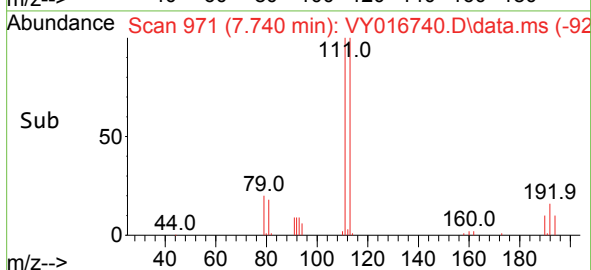
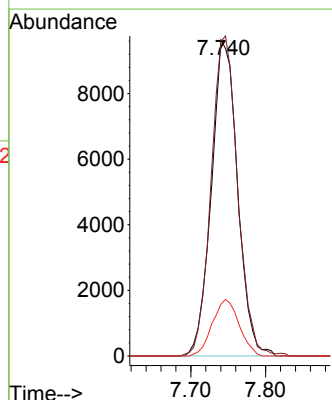
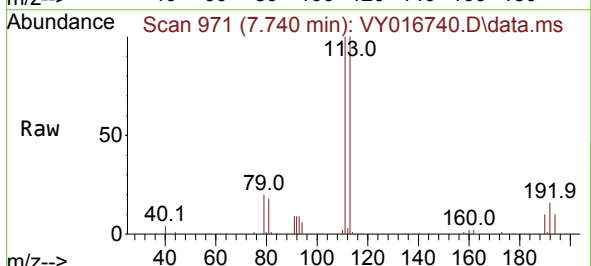
Tgt Ion:113 Resp: 23465

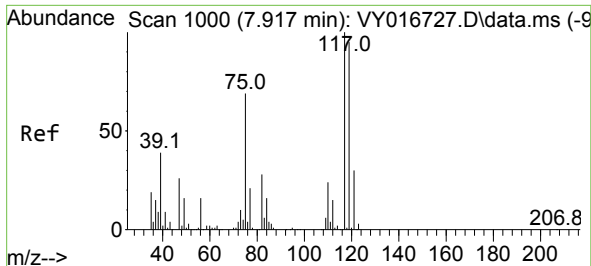
Ion Ratio Lower Upper

113 100

111 102.4 83.8 125.6

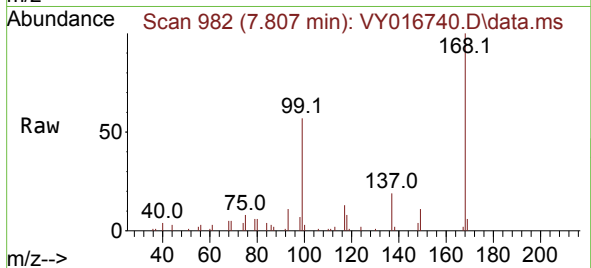
192 18.3 14.5 21.7



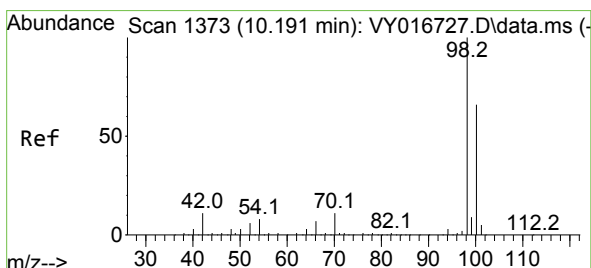
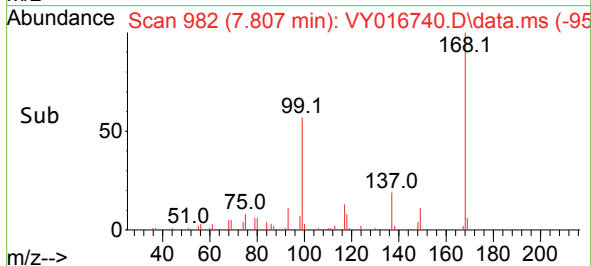
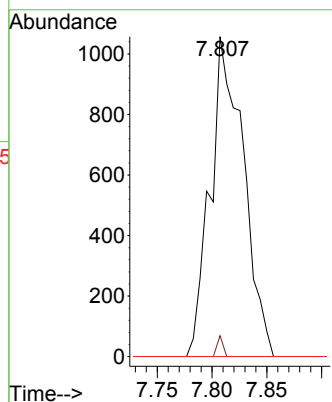


#38
Carbon Tetrachloride
Concen: 4.161 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016740.D
Acq: 21 Dec 2023 05:10

Instrument :
MSVOA_Y
ClientSampleId :

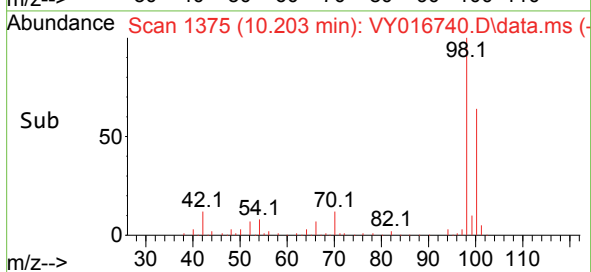
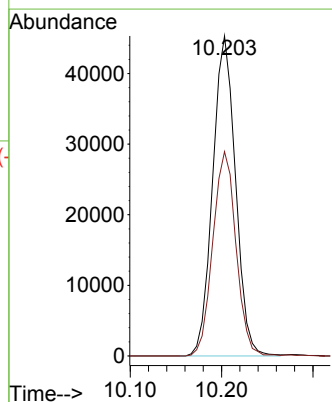
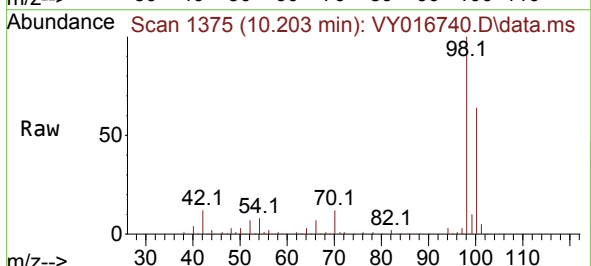


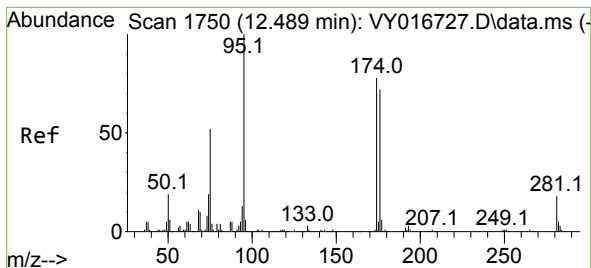
Tgt Ion:117 Resp: 2223
Ion Ratio Lower Upper
117 100
119 6.5 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 64.844 ug/l
RT: 10.203 min Scan# 1375
Delta R.T. 0.012 min
Lab File: VY016740.D
Acq: 21 Dec 2023 05:10

Tgt Ion: 98 Resp: 78720
Ion Ratio Lower Upper
98 100
100 64.7 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 68.771 ug/l

RT: 12.502 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016740.D

Acq: 21 Dec 2023 05:10

Instrument :

MSVOA_Y

ClientSampleId :

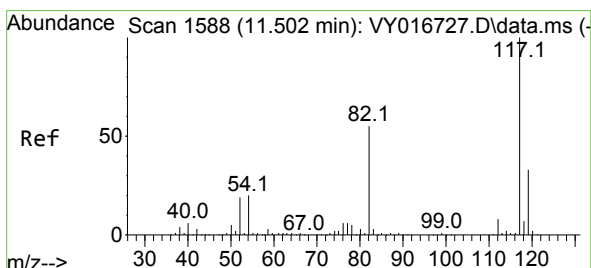
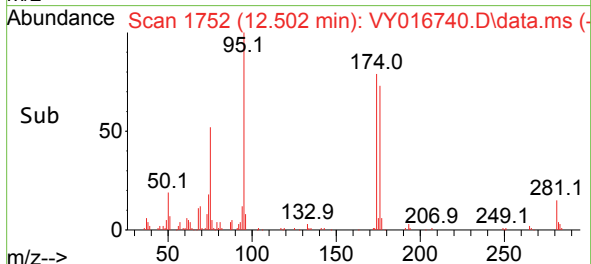
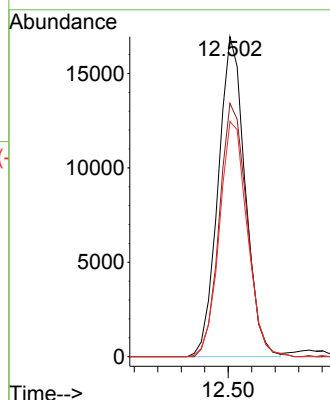
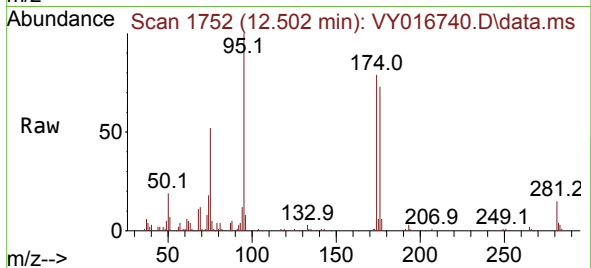
Tgt Ion: 95 Resp: 27086

Ion Ratio Lower Upper

95 100

174 80.7 0.0 160.0

176 75.9 0.0 151.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.514 min Scan# 1590

Delta R.T. 0.012 min

Lab File: VY016740.D

Acq: 21 Dec 2023 05:10

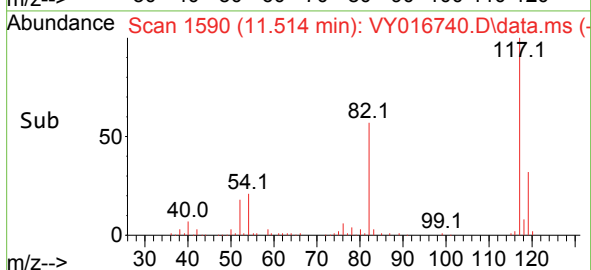
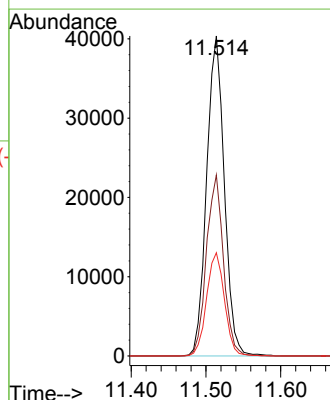
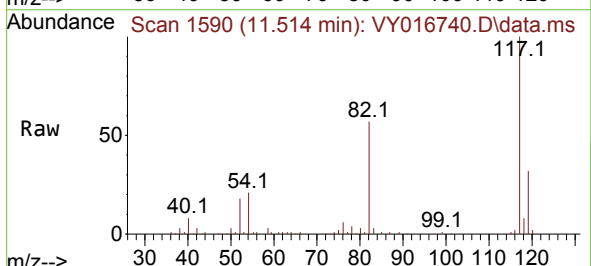
Tgt Ion: 117 Resp: 66345

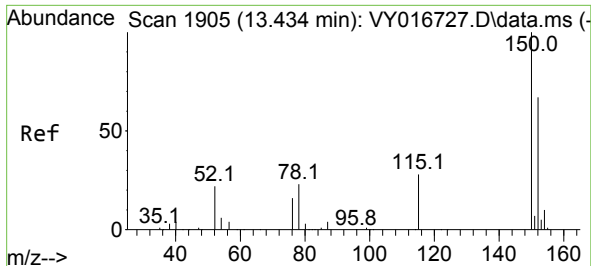
Ion Ratio Lower Upper

117 100

82 56.6 43.8 65.8

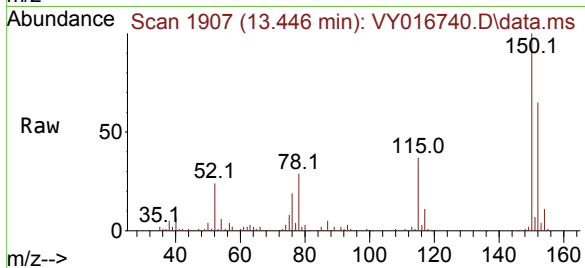
119 32.3 26.5 39.7



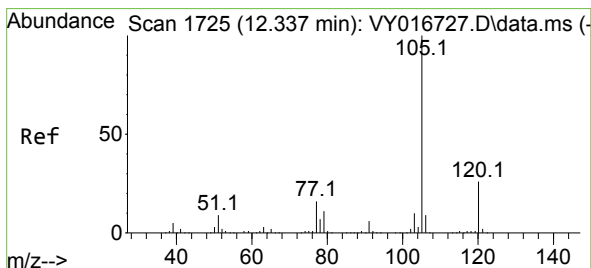
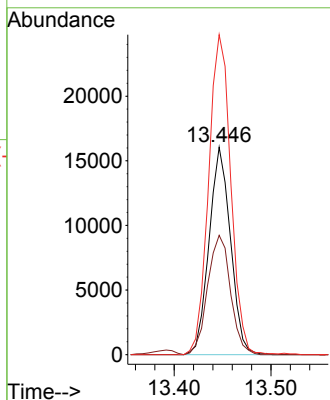
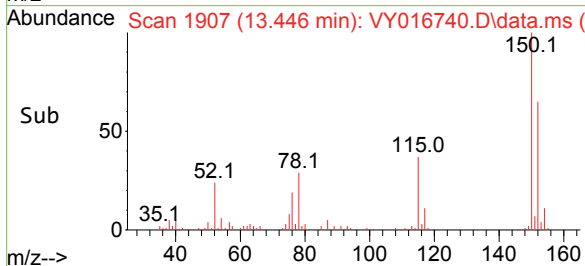


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.446 min Scan# 1905
 Delta R.T. 0.012 min
 Lab File: VY016740.D
 Acq: 21 Dec 2023 05:10

Instrument :
 MSVOA_Y
 ClientSampleId :

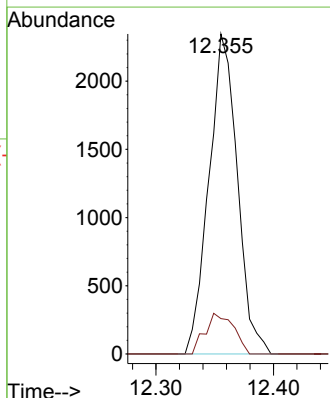
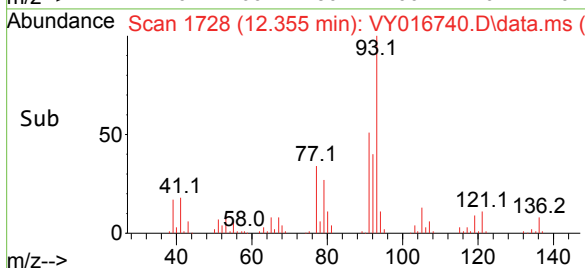
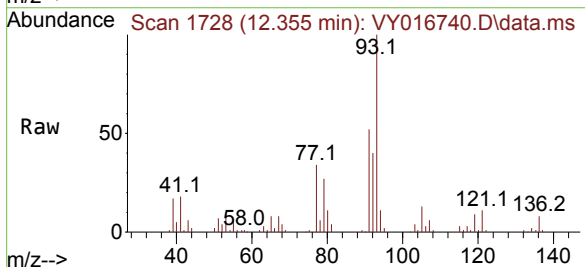


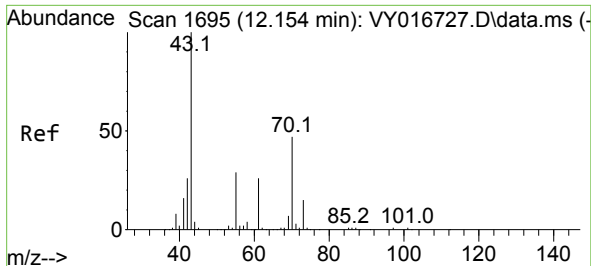
Tgt Ion:152 Resp: 24754
 Ion Ratio Lower Upper
 152 100
 115 61.2 30.0 90.0
 150 159.3 0.0 344.6



#73
 Isopropylbenzene
 Concen: 2.049 ug/l
 RT: 12.355 min Scan# 1728
 Delta R.T. 0.019 min
 Lab File: VY016740.D
 Acq: 21 Dec 2023 05:10

Tgt Ion:105 Resp: 3950
 Ion Ratio Lower Upper
 105 100
 120 12.7 13.0 39.0#

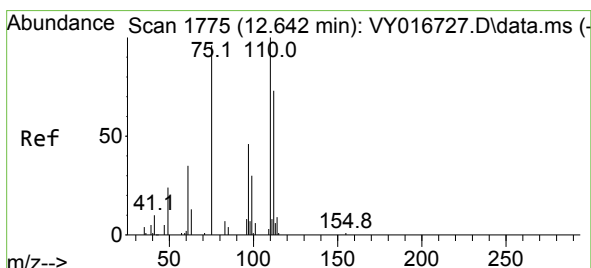
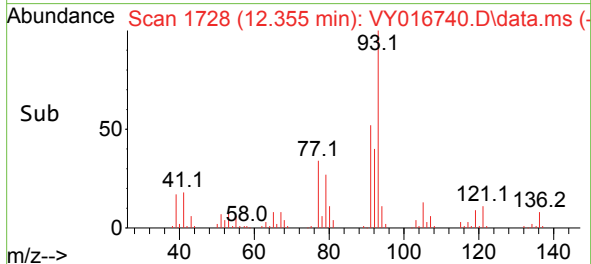
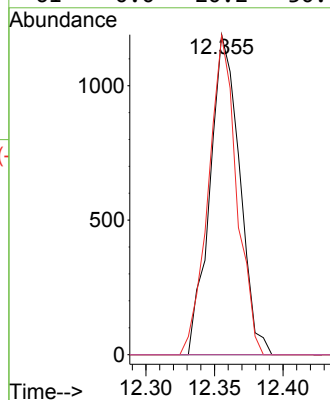
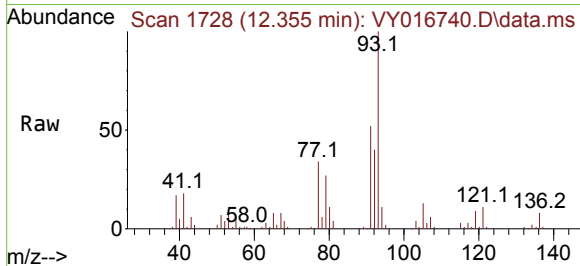




#74
N-amy1 acetate
Concen: 4.432 ug/l
RT: 12.355 min Scan# 1793
Delta R.T. 0.201 min
Lab File: VY016740.D
Acq: 21 Dec 2023 05:10

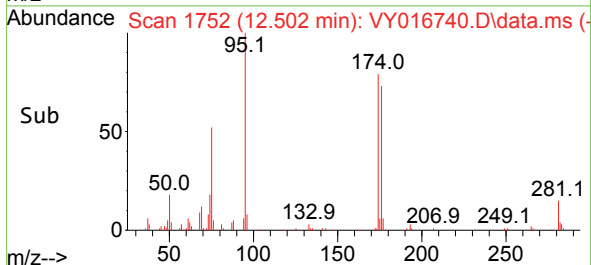
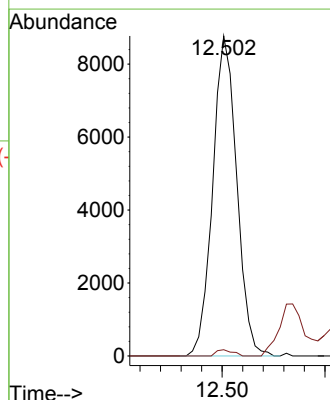
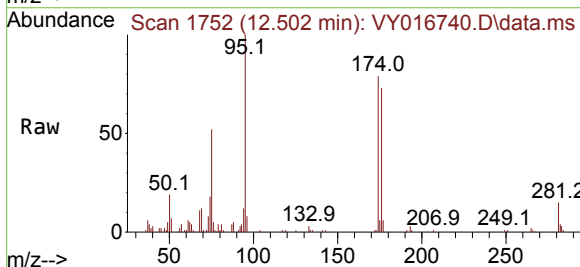
Instrument :
MSVOA_Y
ClientSampleId :

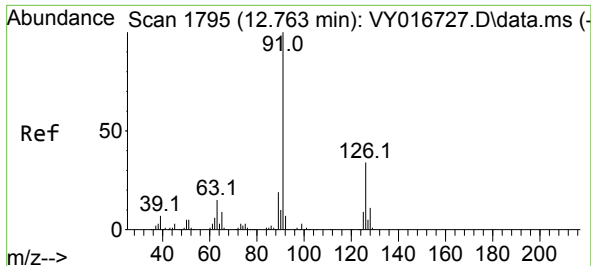
Tgt Ion: 43	Resp:	1793	
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.6	55.0#
55	95.3	22.2	33.4#
61	0.0	20.2	30.4#



#76
1,2,3-Trichloropropane
Concen: 52.002 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. -0.140 min
Lab File: VY016740.D
Acq: 21 Dec 2023 05:10

Tgt Ion: 75	Resp:	14230
Ion Ratio	Lower	Upper
75 100		
77 0.0	0.0	0.0

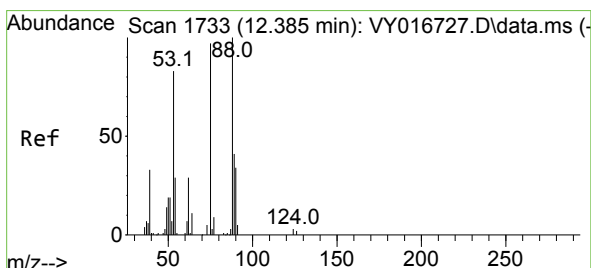
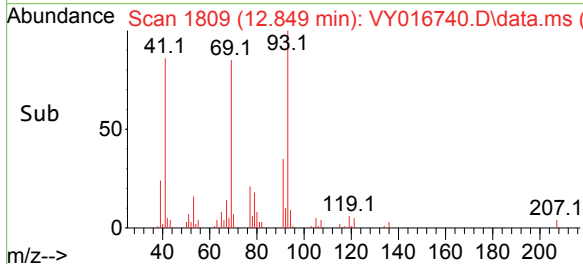
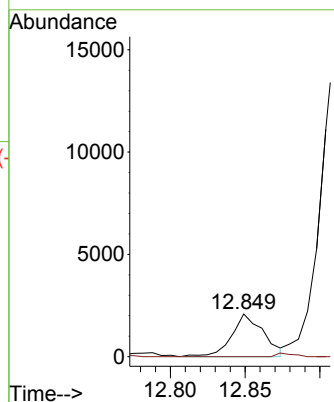
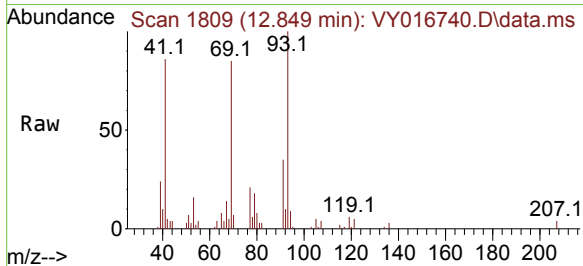




#79
2-Chlorotoluene
Concen: 2.381 ug/l
RT: 12.849 min Scan# 1795
Delta R.T. 0.086 min
Lab File: VY016740.D
Acq: 21 Dec 2023 05:10

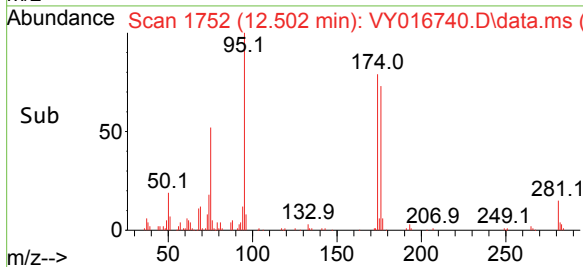
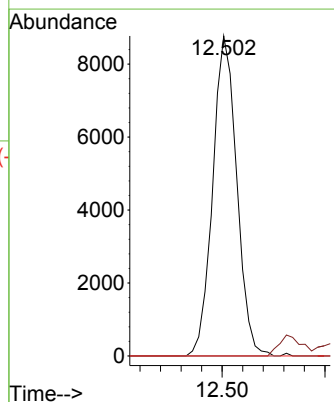
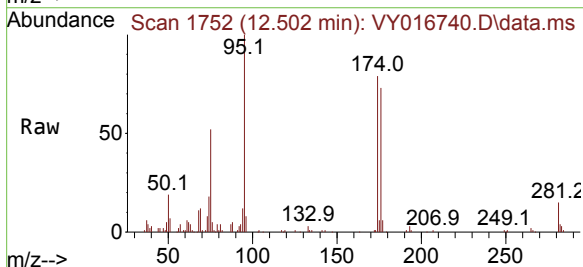
Instrument :
MSVOA_Y
ClientSampleId :

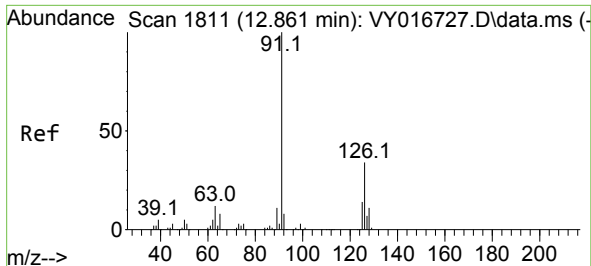
Tgt Ion: 91 Resp: 3077
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.124 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. 0.116 min
Lab File: VY016740.D
Acq: 21 Dec 2023 05:10

Tgt Ion: 75 Resp: 14230
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

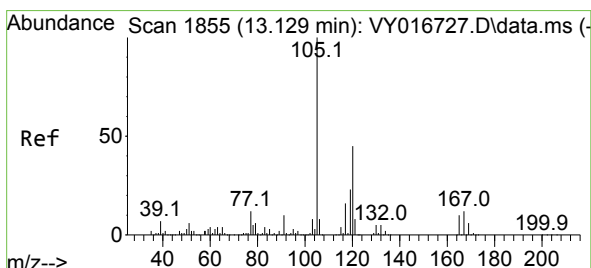
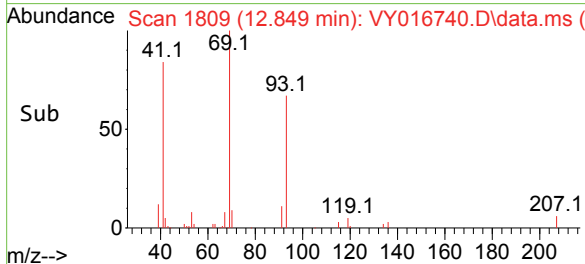
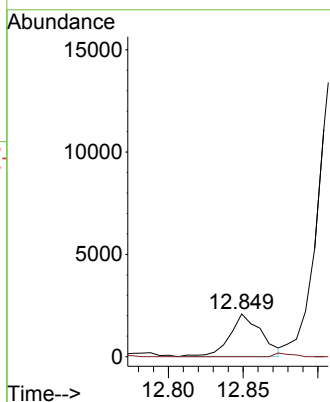
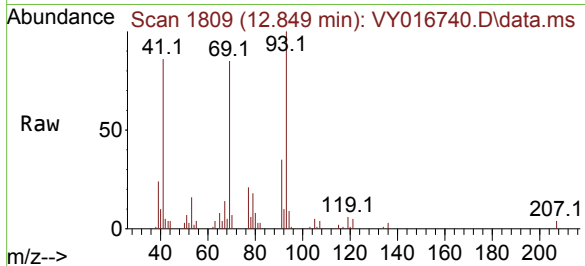




#82
4-Chlorotoluene
Concen: 2.321 ug/l
RT: 12.849 min Scan# 1809
Delta R.T. -0.012 min
Lab File: VY016740.D
Acq: 21 Dec 2023 05:10

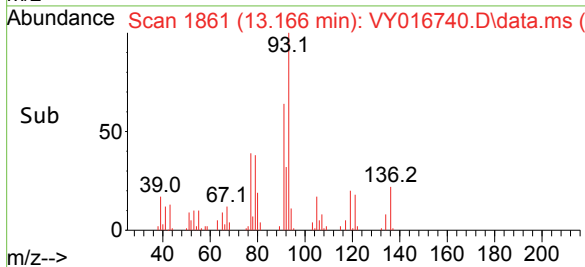
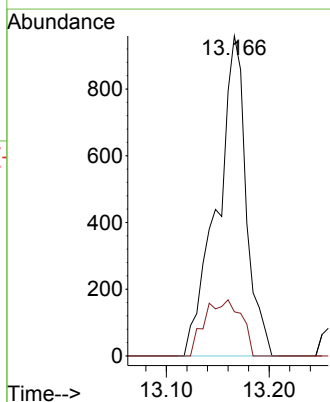
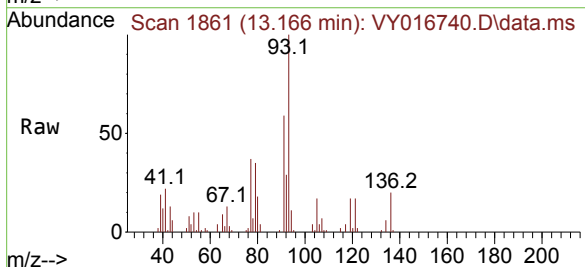
Instrument :
MSVOA_Y
ClientSampleId :

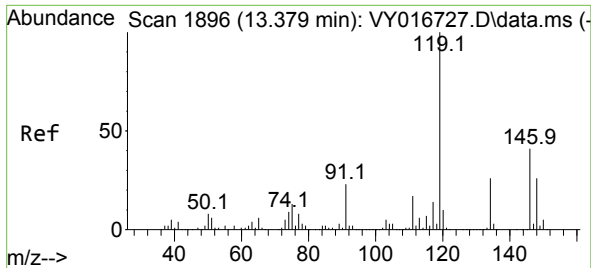
Tgt Ion: 91 Resp: 3077
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#



#84
1,2,4-Trimethylbenzene
Concen: 1.251 ug/l
RT: 13.166 min Scan# 1861
Delta R.T. 0.037 min
Lab File: VY016740.D
Acq: 21 Dec 2023 05:10

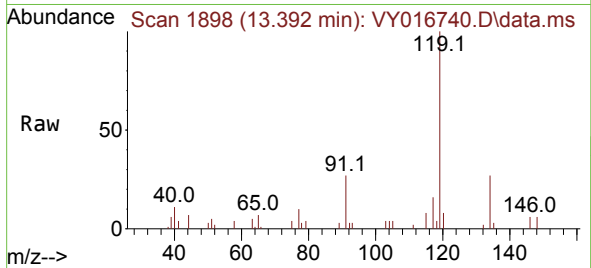
Tgt Ion: 105 Resp: 1883
Ion Ratio Lower Upper
105 100
120 22.0 22.1 66.3#



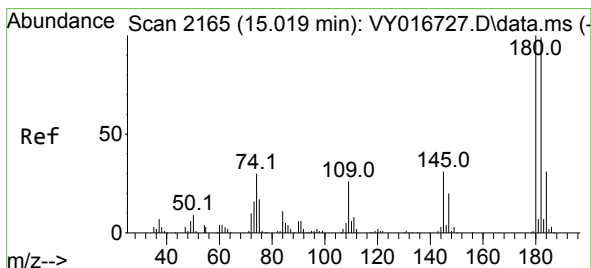
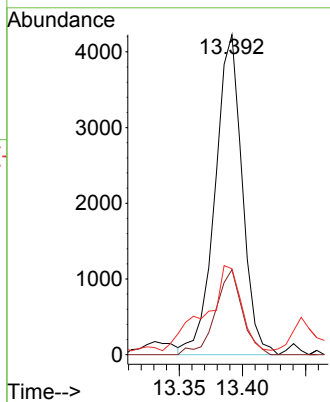
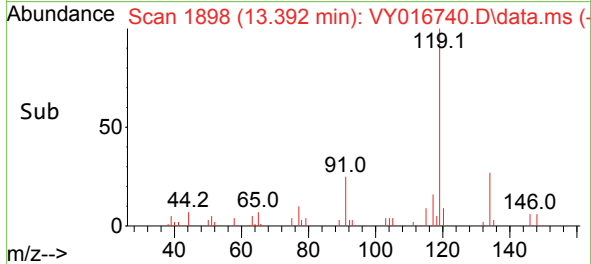


#86
 p-Isopropyltoluene
 Concen: 3.833 ug/l
 RT: 13.392 min Scan# 119
 Delta R.T. 0.012 min
 Lab File: VY016740.D
 Acq: 21 Dec 2023 05:10

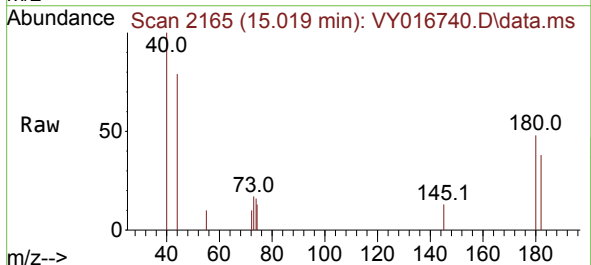
Instrument :
 MSVOA_Y
 ClientSampleId :



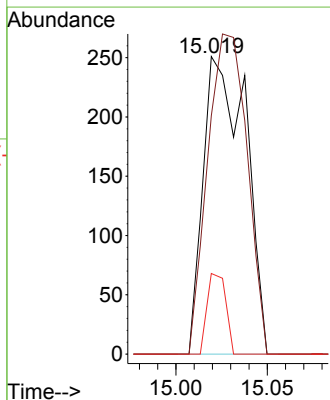
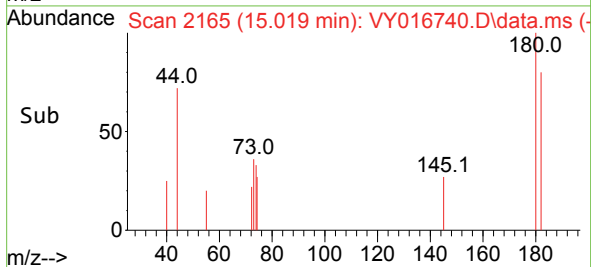
Tgt Ion:119 Resp: 6276
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.1 39.1
 91 39.1 11.7 35.0#

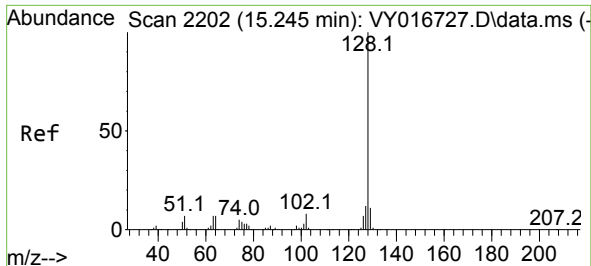


#93
 1,2,4-Trichlorobenzene
 Concen: 1.095 ug/l
 RT: 15.019 min Scan# 2165
 Delta R.T. 0.000 min
 Lab File: VY016740.D
 Acq: 21 Dec 2023 05:10



Tgt Ion:180 Resp: 407
 Ion Ratio Lower Upper
 180 100
 182 99.8 47.9 143.7
 145 11.8 15.9 47.7#

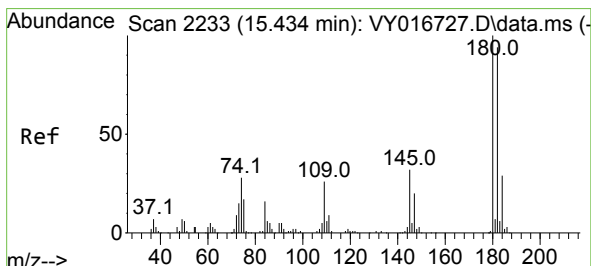
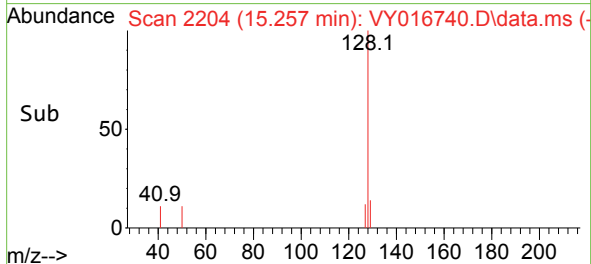
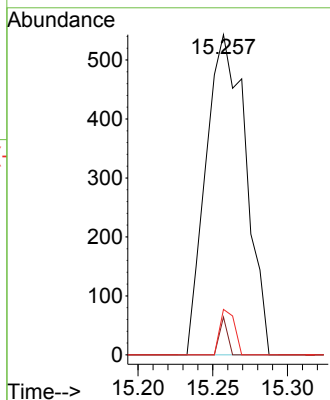
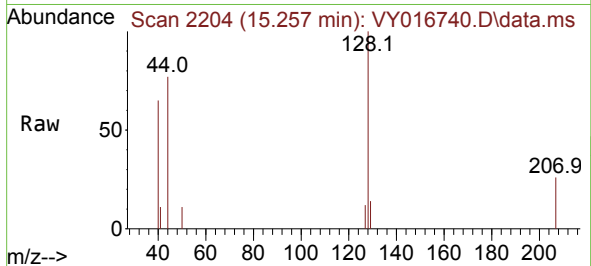




#95
Naphthalene
Concen: 4.763 ug/l
RT: 15.257 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY016740.D
Acq: 21 Dec 2023 05:10

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 1007
Ion Ratio Lower Upper
128 100
127 2.3 10.2 15.4#
129 5.2 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 1.520 ug/l
RT: 15.452 min Scan# 2236
Delta R.T. 0.018 min
Lab File: VY016740.D
Acq: 21 Dec 2023 05:10

Tgt Ion:180 Resp: 481
Ion Ratio Lower Upper
180 100
182 95.2 46.3 138.8
145 17.7 16.1 48.2

