

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016815.D
 Acq On : 22 Dec 2023 17:57
 Operator : SY/MD
 Sample : 05877-19
 Misc : 4.56g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 22 23:02:52 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)

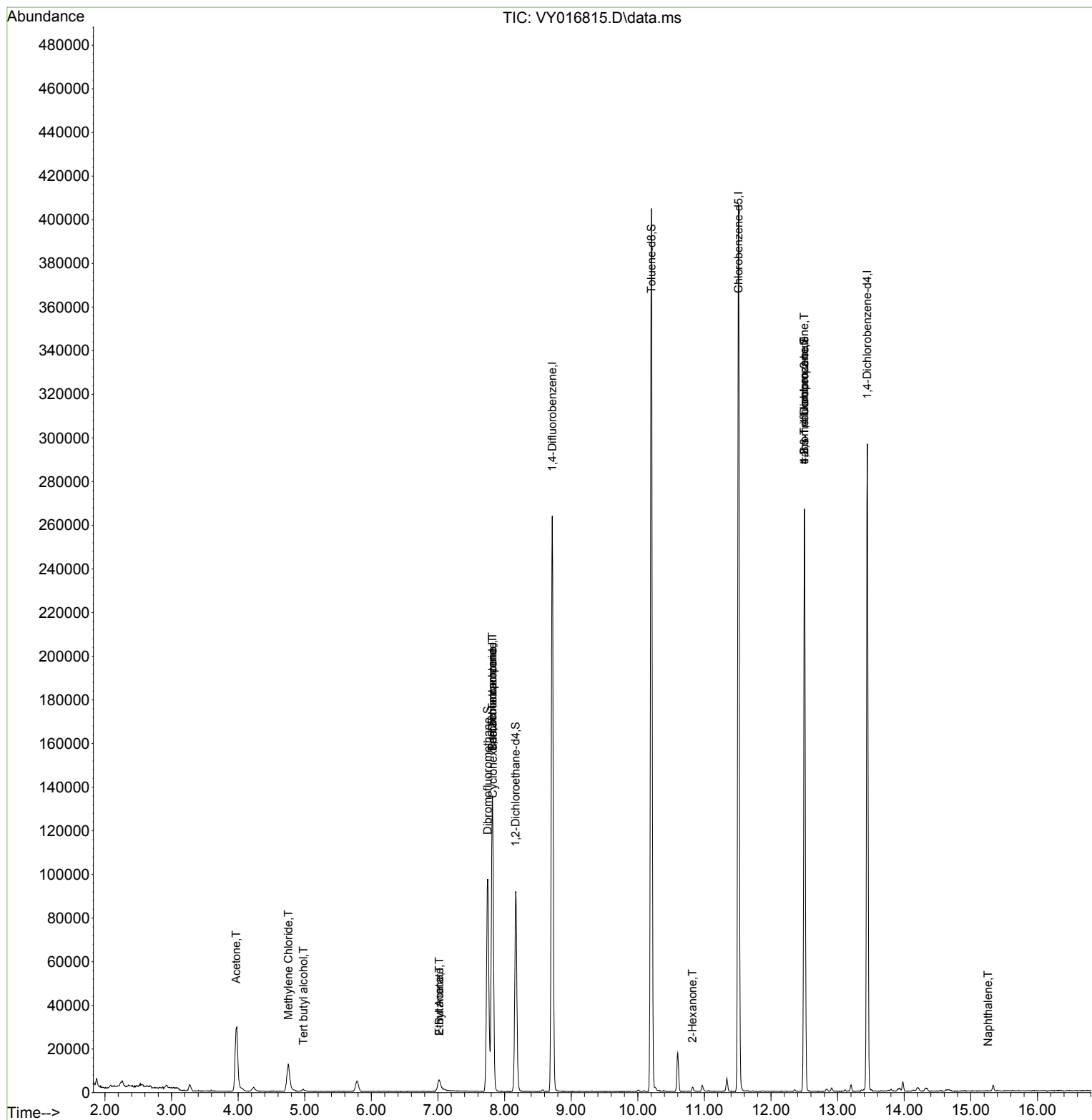
Internal Standards						
1) Pentafluorobenzene	7.819	168	101723	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.715	114	224593	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	219878	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	74111	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	68926	74.224	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 148.440%			
35) Dibromofluoromethane	7.746	113	72434	56.302	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.600%			
50) Toluene-d8	10.203	98	260960	56.268	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.540%			
62) 4-Bromofluorobenzene	12.501	95	78880	52.425	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.840%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.978	59	1583	20.791	ug/l #	75
16) Acetone	3.972	43	55175	219.724	ug/l	99
20) Methylene Chloride	4.753	84	9338	4.502	ug/l	95
25) 2-Butanone	7.020	43	3925	11.353	ug/l #	82
31) Cyclohexane	7.825	56	2353	1.323	ug/l #	21
36) 1,1-Dichloropropene	7.819	75	9244	4.482	ug/l #	50
37) Ethyl Acetate	7.020	43	3925	4.440	ug/l #	71
38) Carbon Tetrachloride	7.819	117	10690	5.238	ug/l #	15
59) 2-Hexanone	10.819	43	1786	2.618	ug/l #	23
76) 1,2,3-Trichloropropane	12.501	75	42361	51.707	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.501	75	42361	121.430	ug/l #	12
95) Naphthalene	15.257	128	84	3.627	ug/l #	69

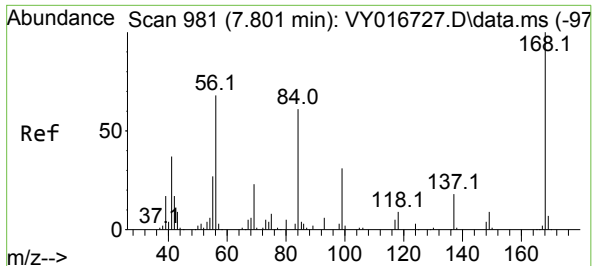
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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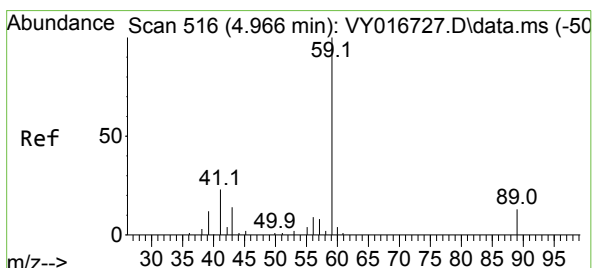
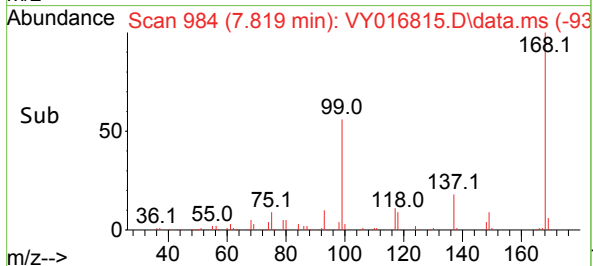
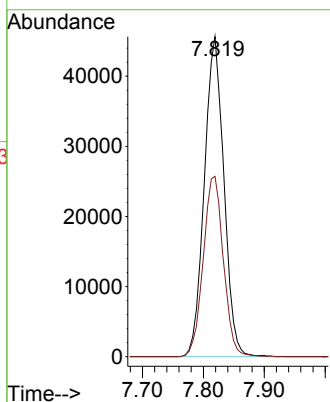
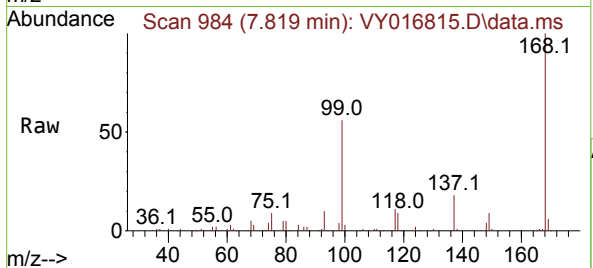




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 981
Delta R.T. 0.018 min
Lab File: VY016815.D
Acq: 22 Dec 2023 17:57

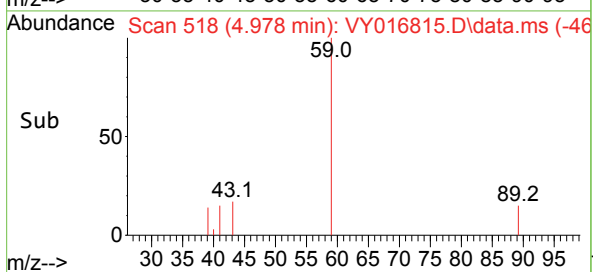
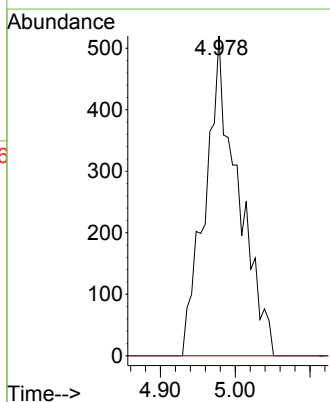
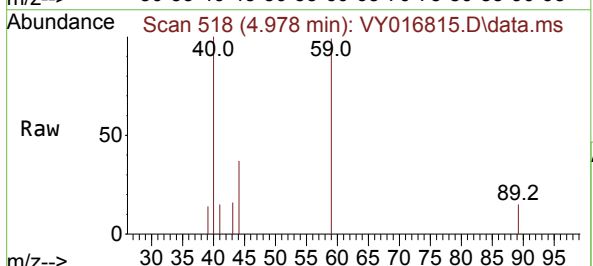
Instrument :
MSVOA_Y
ClientSampleId :

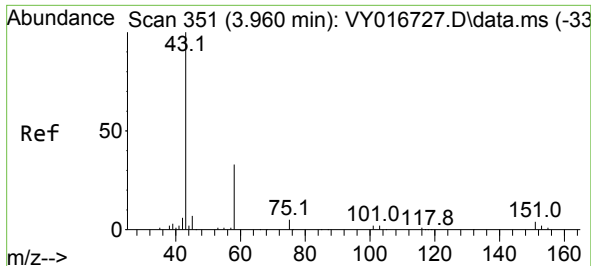
Tgt Ion:168 Resp: 101723
Ion Ratio Lower Upper
168 100
99 56.3 44.2 66.4



#11
Tert butyl alcohol
Concen: 20.791 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.012 min
Lab File: VY016815.D
Acq: 22 Dec 2023 17:57

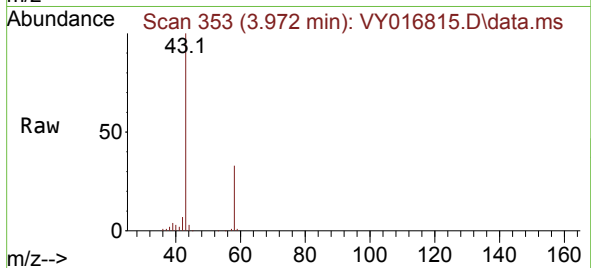
Tgt Ion: 59 Resp: 1583
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



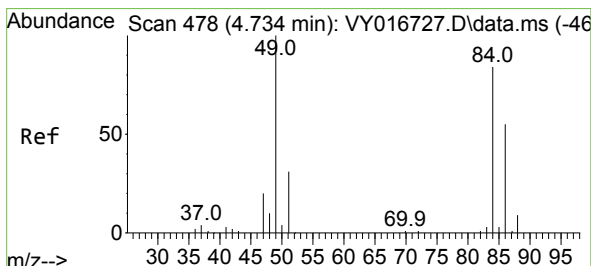
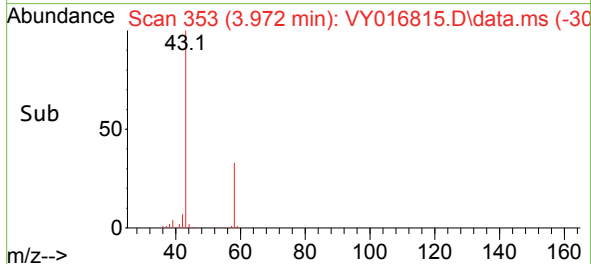
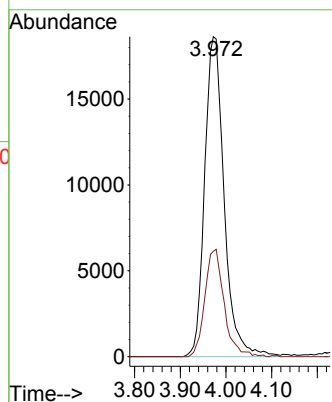


#16
Acetone
Concen: 219.724 ug/l
RT: 3.972 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY016815.D
Acq: 22 Dec 2023 17:57

Instrument :
MSVOA_Y
ClientSampleId :

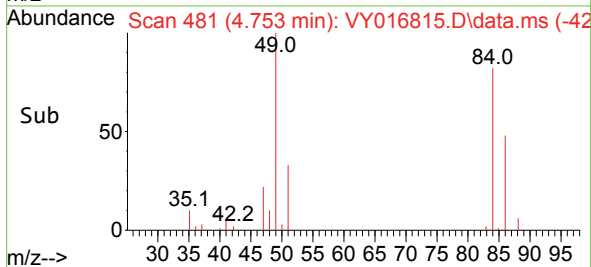
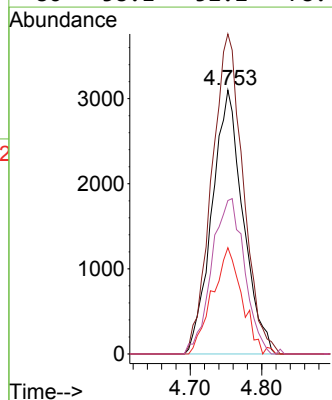
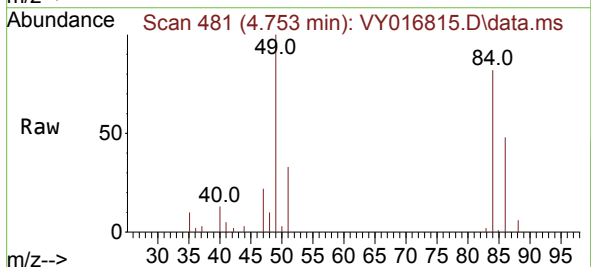


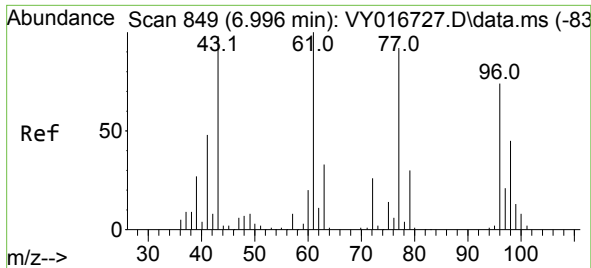
Tgt Ion: 43 Resp: 55175
Ion Ratio Lower Upper
43 100
58 32.9 26.6 39.8



#20
Methylene Chloride
Concen: 4.502 ug/l
RT: 4.753 min Scan# 481
Delta R.T. 0.019 min
Lab File: VY016815.D
Acq: 22 Dec 2023 17:57

Tgt Ion: 84 Resp: 9338
Ion Ratio Lower Upper
84 100
49 121.3 95.2 142.8
51 40.3 29.9 44.9
86 58.1 52.2 78.4

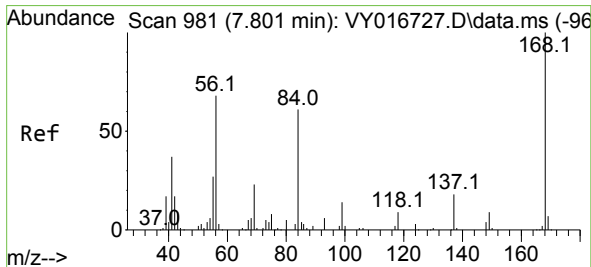
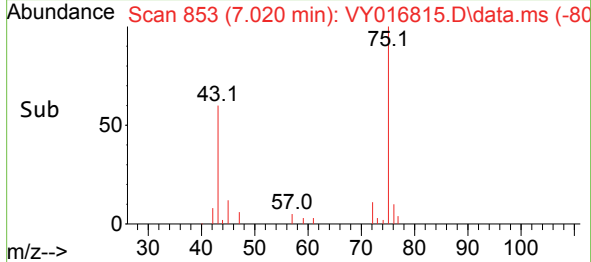
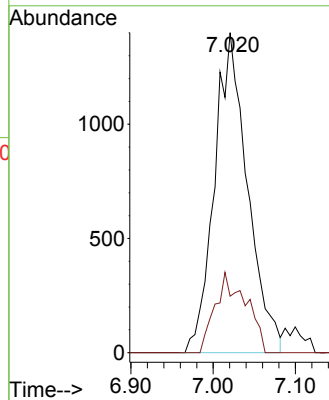
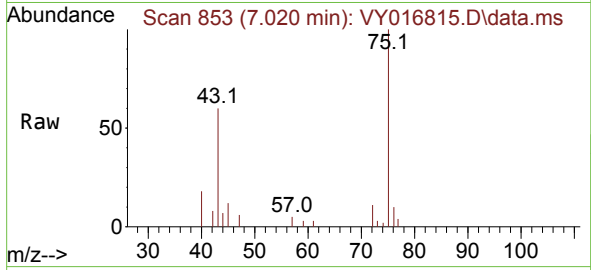




#25
2-Butanone
Concen: 11.353 ug/l
RT: 7.020 min Scan# 849
Delta R.T. 0.024 min
Lab File: VY016815.D
Acq: 22 Dec 2023 17:57

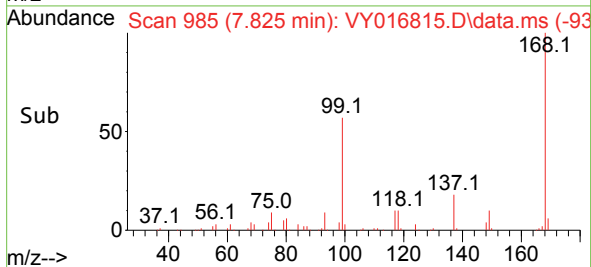
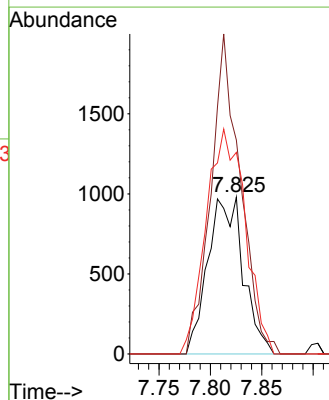
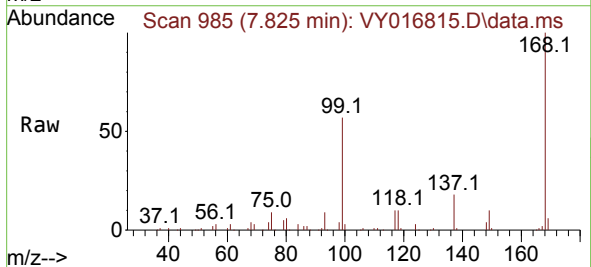
Instrument :
MSVOA_Y
ClientSampleId :

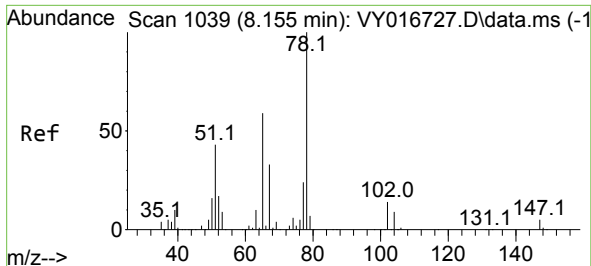
Tgt Ion: 43 Resp: 3925
Ion Ratio Lower Upper
43 100
72 17.6 21.4 32.2#



#31
Cyclohexane
Concen: 1.323 ug/l
RT: 7.825 min Scan# 985
Delta R.T. 0.024 min
Lab File: VY016815.D
Acq: 22 Dec 2023 17:57

Tgt Ion: 56 Resp: 2353
Ion Ratio Lower Upper
56 100
69 136.3 27.0 40.6#
84 128.5 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 74.224 ug/l

RT: 8.167 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY016815.D

Acq: 22 Dec 2023 17:57

Instrument :

MSVOA_Y

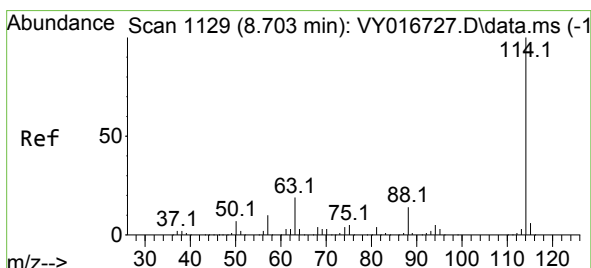
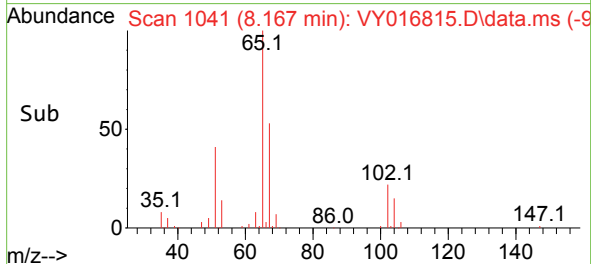
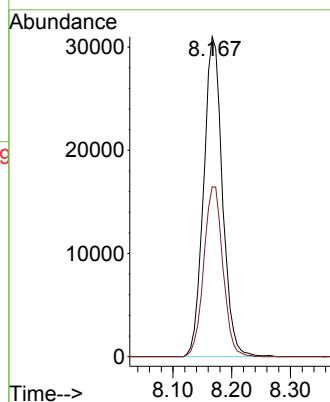
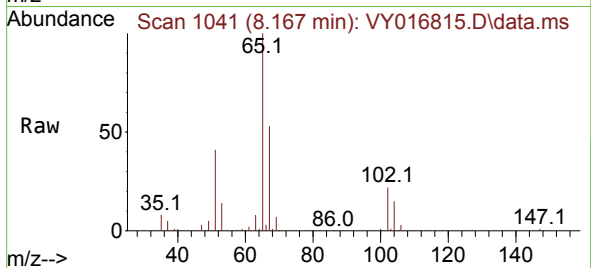
ClientSampleId :

Tgt Ion: 65 Resp: 68926

Ion Ratio Lower Upper

65 100

67 54.1 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.715 min Scan# 1131

Delta R.T. 0.012 min

Lab File: VY016815.D

Acq: 22 Dec 2023 17:57

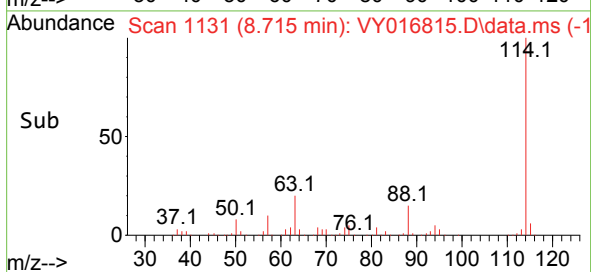
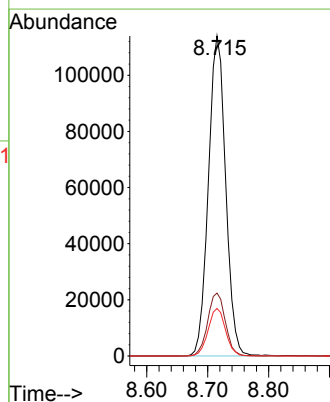
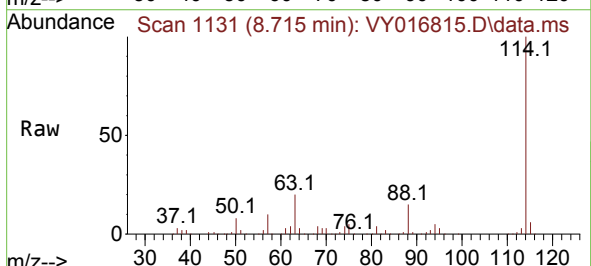
Tgt Ion: 114 Resp: 224593

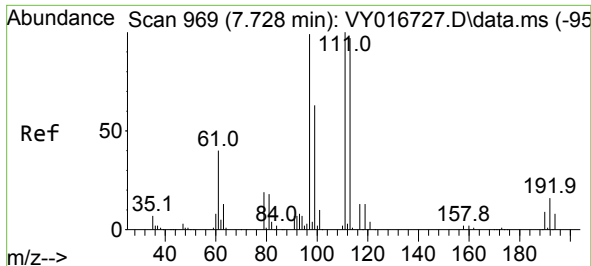
Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.4

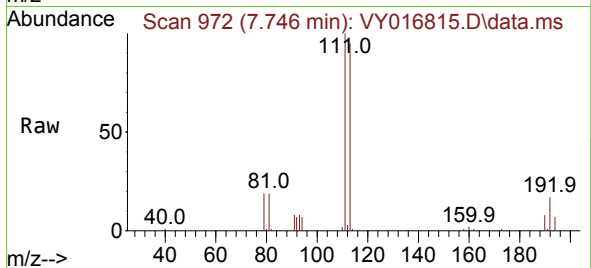
88 14.9 0.0 29.0



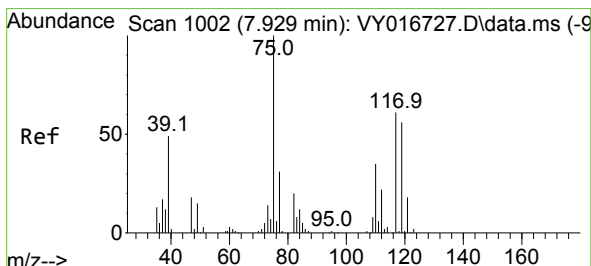
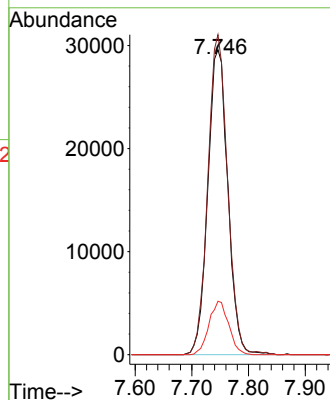
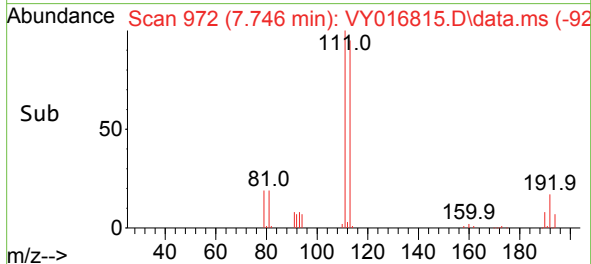


#35
Dibromofluoromethane
Concen: 56.302 ug/l
RT: 7.746 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016815.D
Acq: 22 Dec 2023 17:57

Instrument :
MSVOA_Y
ClientSampleId :

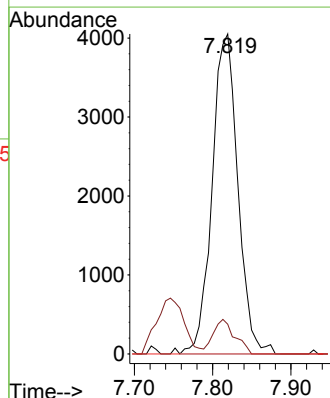
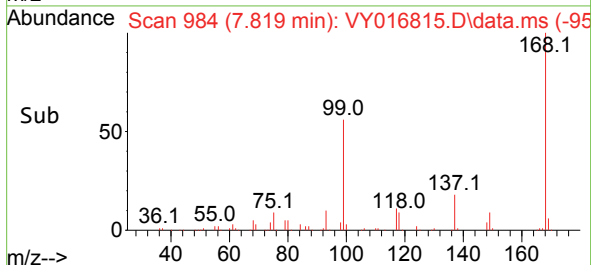
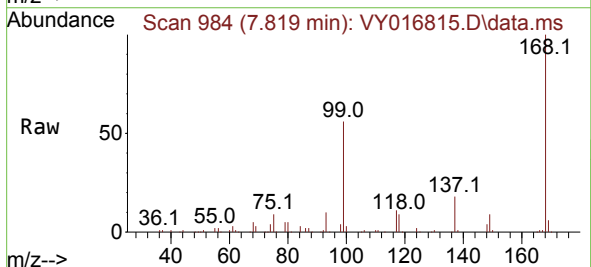


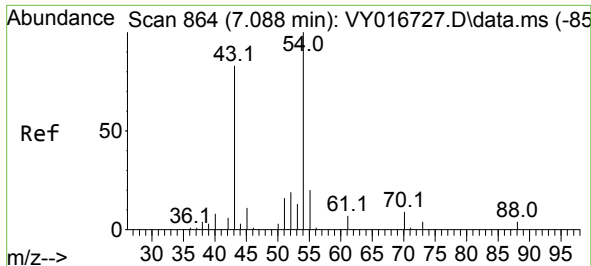
Tgt Ion:113 Resp: 72434
Ion Ratio Lower Upper
113 100
111 103.6 83.8 125.6
192 17.3 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.482 ug/l
RT: 7.819 min Scan# 984
Delta R.T. -0.110 min
Lab File: VY016815.D
Acq: 22 Dec 2023 17:57

Tgt Ion: 75 Resp: 9244
Ion Ratio Lower Upper
75 100
110 9.0 17.4 52.3#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 4.440 ug/l

RT: 7.020 min Scan# 81

Delta R.T. -0.067 min

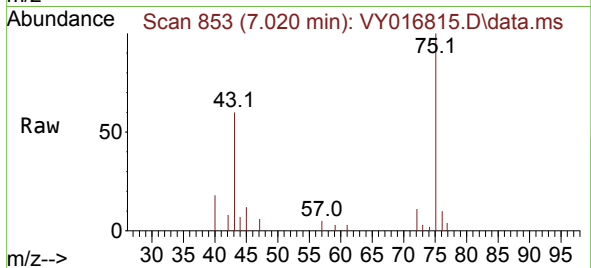
Lab File: VY016815.D

Acq: 22 Dec 2023 17:57

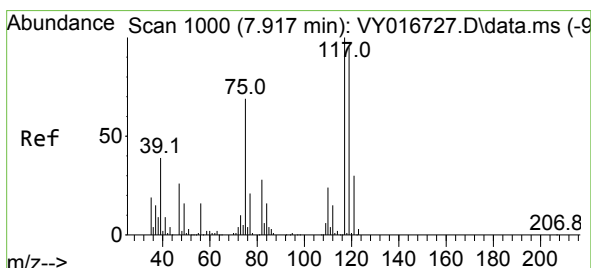
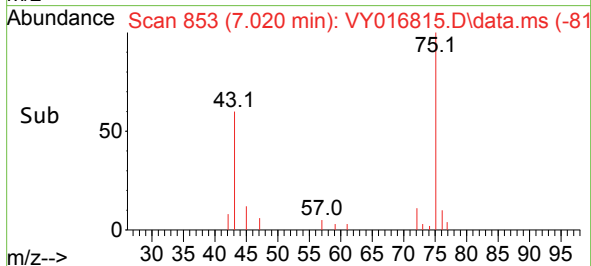
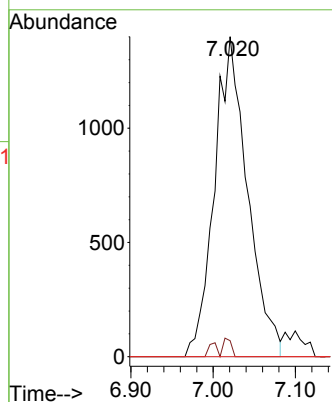
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43	Resp:	3925
Ion	Ratio	Lower Upper
43	100	
61	1.4	11.0 16.6#
70	0.0	8.1 12.1#



#38

Carbon Tetrachloride

Concen: 5.238 ug/l

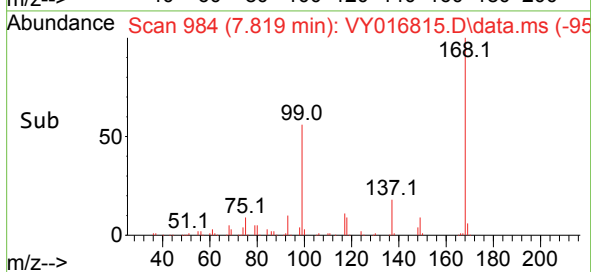
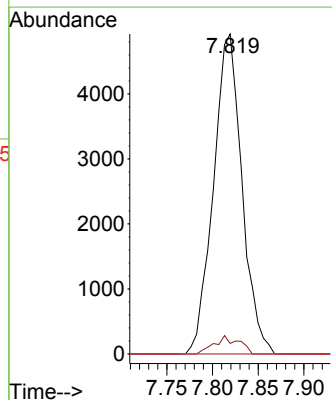
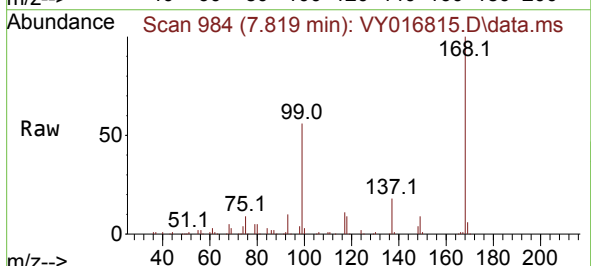
RT: 7.819 min Scan# 984

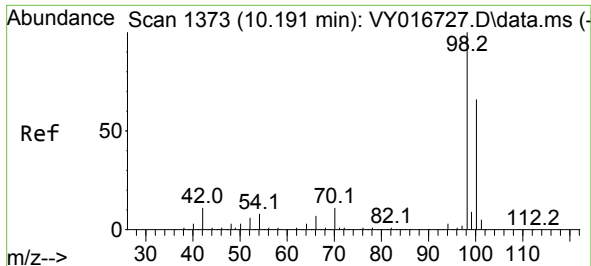
Delta R.T. -0.098 min

Lab File: VY016815.D

Acq: 22 Dec 2023 17:57

Tgt Ion: 117	Resp:	10690
Ion	Ratio	Lower Upper
117	100	
119	3.3	76.0 114.0#
121	0.0	24.2 36.2#





#50

Toluene-d8

Concen: 56.268 ug/l

RT: 10.203 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016815.D

Acq: 22 Dec 2023 17:57

Instrument :

MSVOA_Y

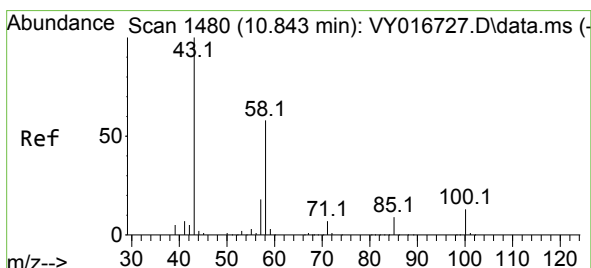
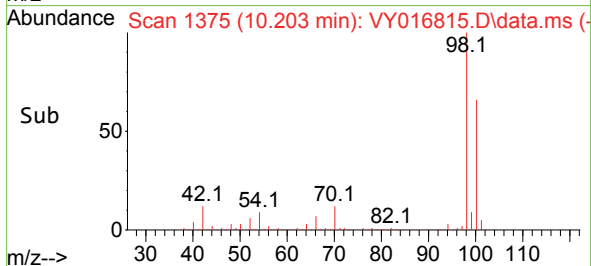
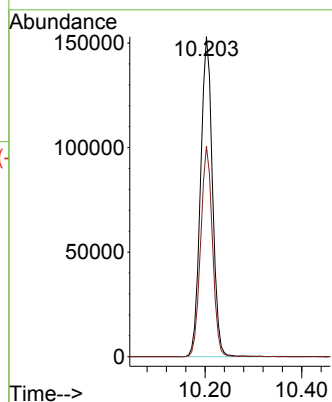
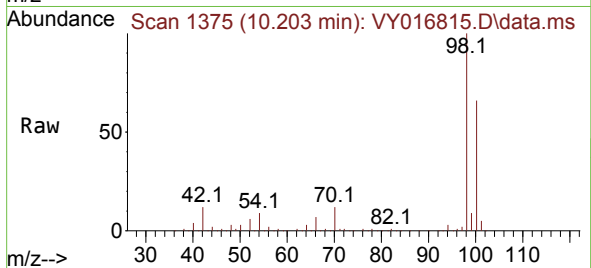
ClientSampleId :

Tgt Ion: 98 Resp: 260960

Ion Ratio Lower Upper

98 100

100 65.1 52.3 78.5



#59

2-Hexanone

Concen: 2.618 ug/l

RT: 10.819 min Scan# 1476

Delta R.T. -0.024 min

Lab File: VY016815.D

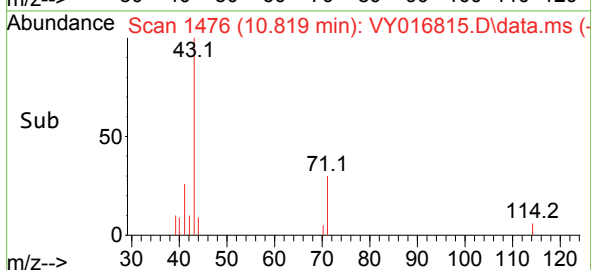
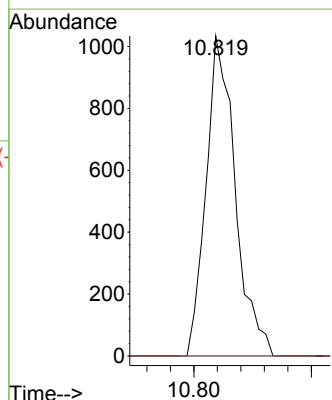
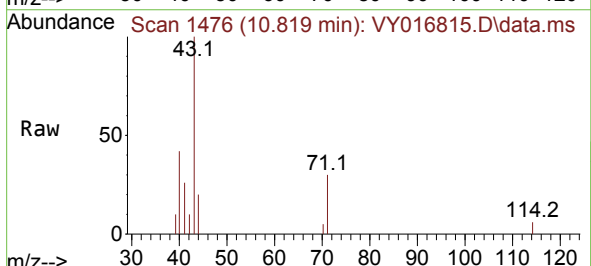
Acq: 22 Dec 2023 17:57

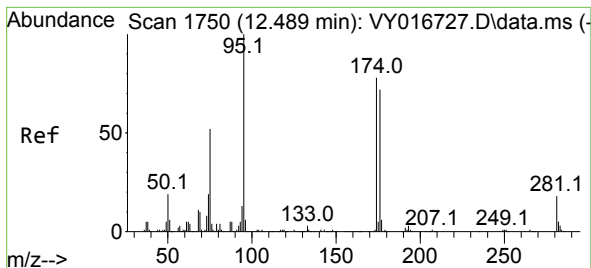
Tgt Ion: 43 Resp: 1786

Ion Ratio Lower Upper

43 100

58 0.0 28.1 84.3#

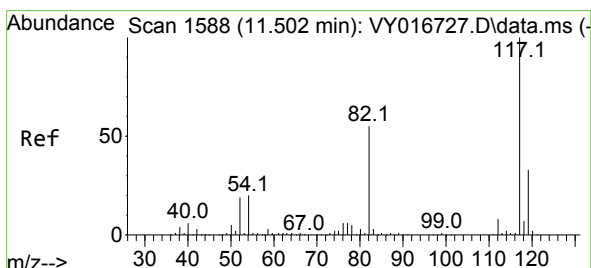
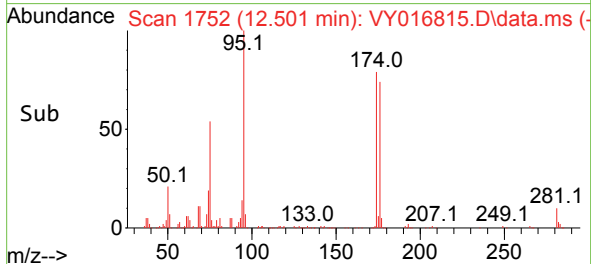
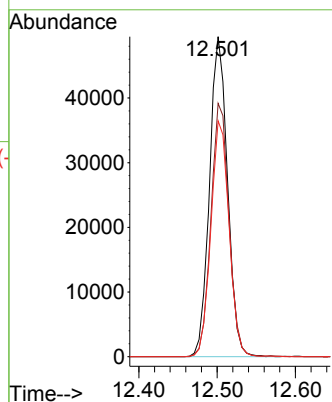
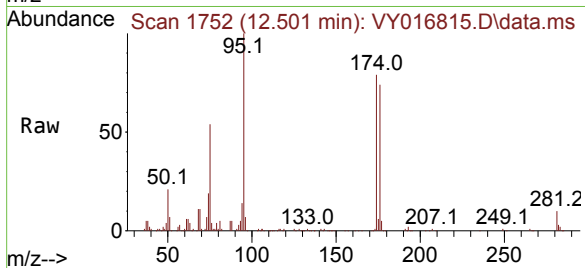




#62
4-Bromofluorobenzene
Concen: 52.425 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. 0.012 min
Lab File: VY016815.D
Acq: 22 Dec 2023 17:57

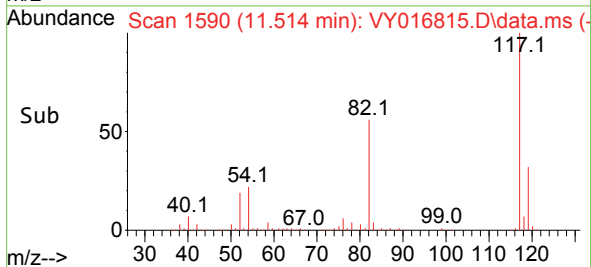
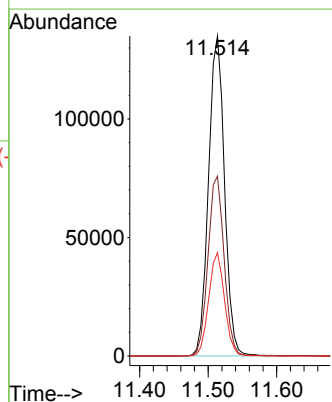
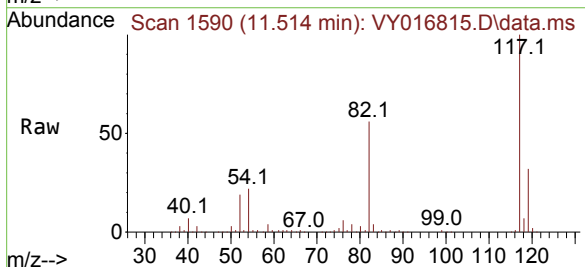
Instrument :
MSVOA_Y
ClientSampleId :

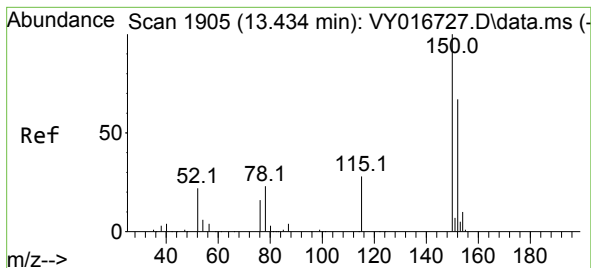
Tgt Ion: 95 Resp: 78880
Ion Ratio Lower Upper
95 100
174 79.1 0.0 160.0
176 74.4 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. 0.012 min
Lab File: VY016815.D
Acq: 22 Dec 2023 17:57

Tgt Ion: 117 Resp: 219878
Ion Ratio Lower Upper
117 100
82 56.2 43.8 65.8
119 32.3 26.5 39.7

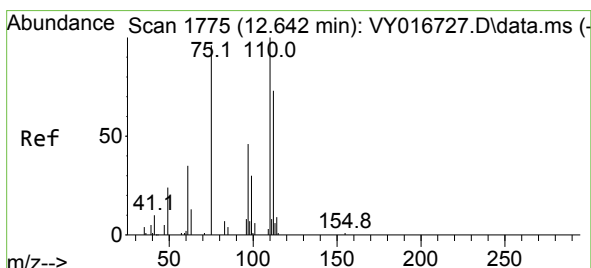
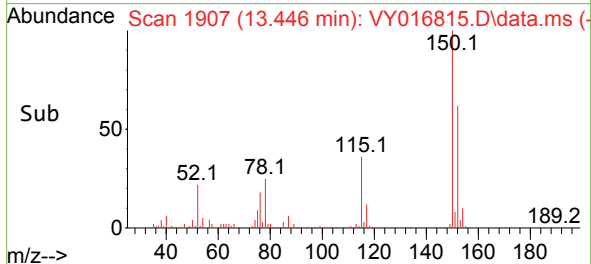
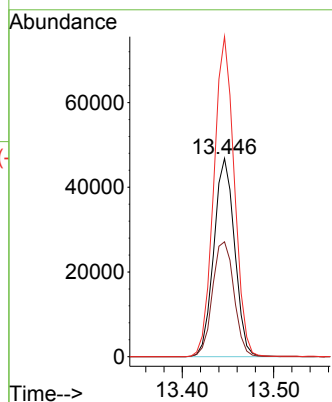
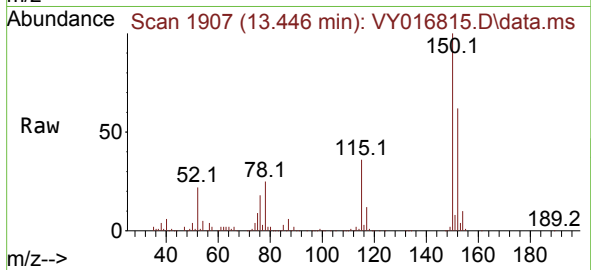




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.446 min Scan# 1905
 Delta R.T. 0.012 min
 Lab File: VY016815.D
 Acq: 22 Dec 2023 17:57

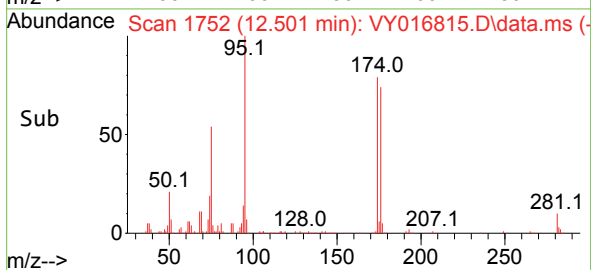
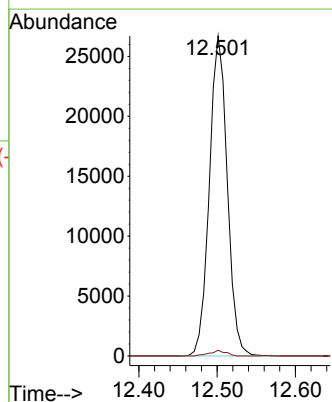
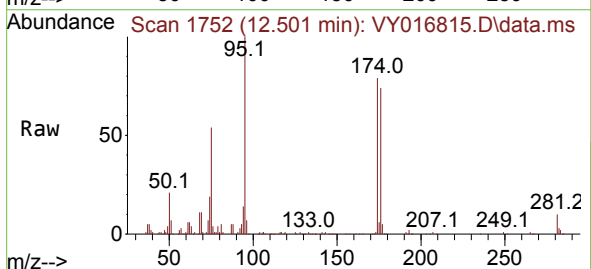
Instrument :
 MSVOA_Y
 ClientSampleId :

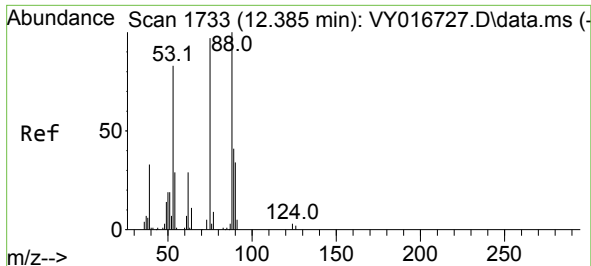
Tgt Ion:152 Resp: 74111
 Ion Ratio Lower Upper
 152 100
 115 60.1 30.0 90.0
 150 158.9 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 51.707 ug/l
 RT: 12.501 min Scan# 1752
 Delta R.T. -0.140 min
 Lab File: VY016815.D
 Acq: 22 Dec 2023 17:57

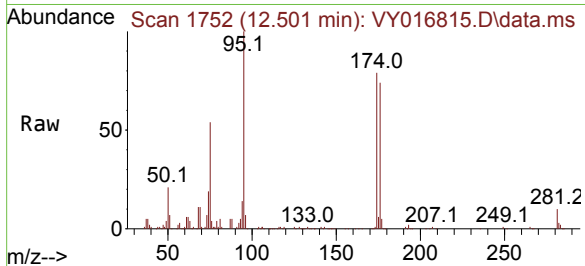
Tgt Ion: 75 Resp: 42361
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



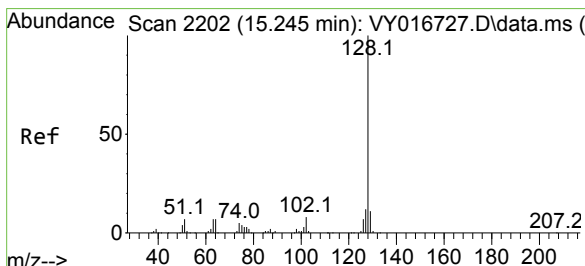
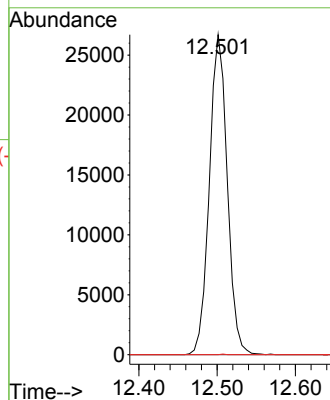
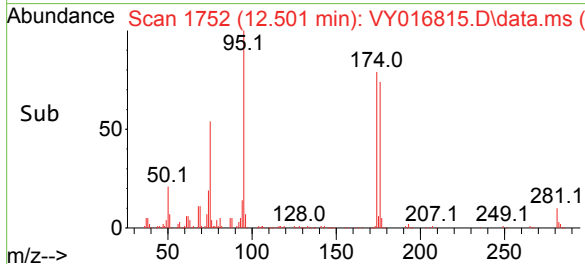


#81
trans-1,4-Dichloro-2-butene
Concen: 121.430 ug/l
RT: 12.501 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY016815.D
Acq: 22 Dec 2023 17:57

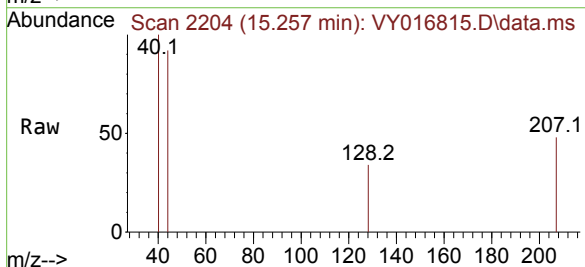
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 42361
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: 15.257 min Scan# 2204
Delta R.T. 0.012 min
Lab File: VY016815.D
Acq: 22 Dec 2023 17:57



Tgt Ion:128 Resp: 84
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

