

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122623\
 Data File : VY016855.D
 Acq On : 26 Dec 2023 16:05
 Operator : SY/MD
 Sample : 06015-05
 Misc : 6.83g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 27 01:35:48 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)

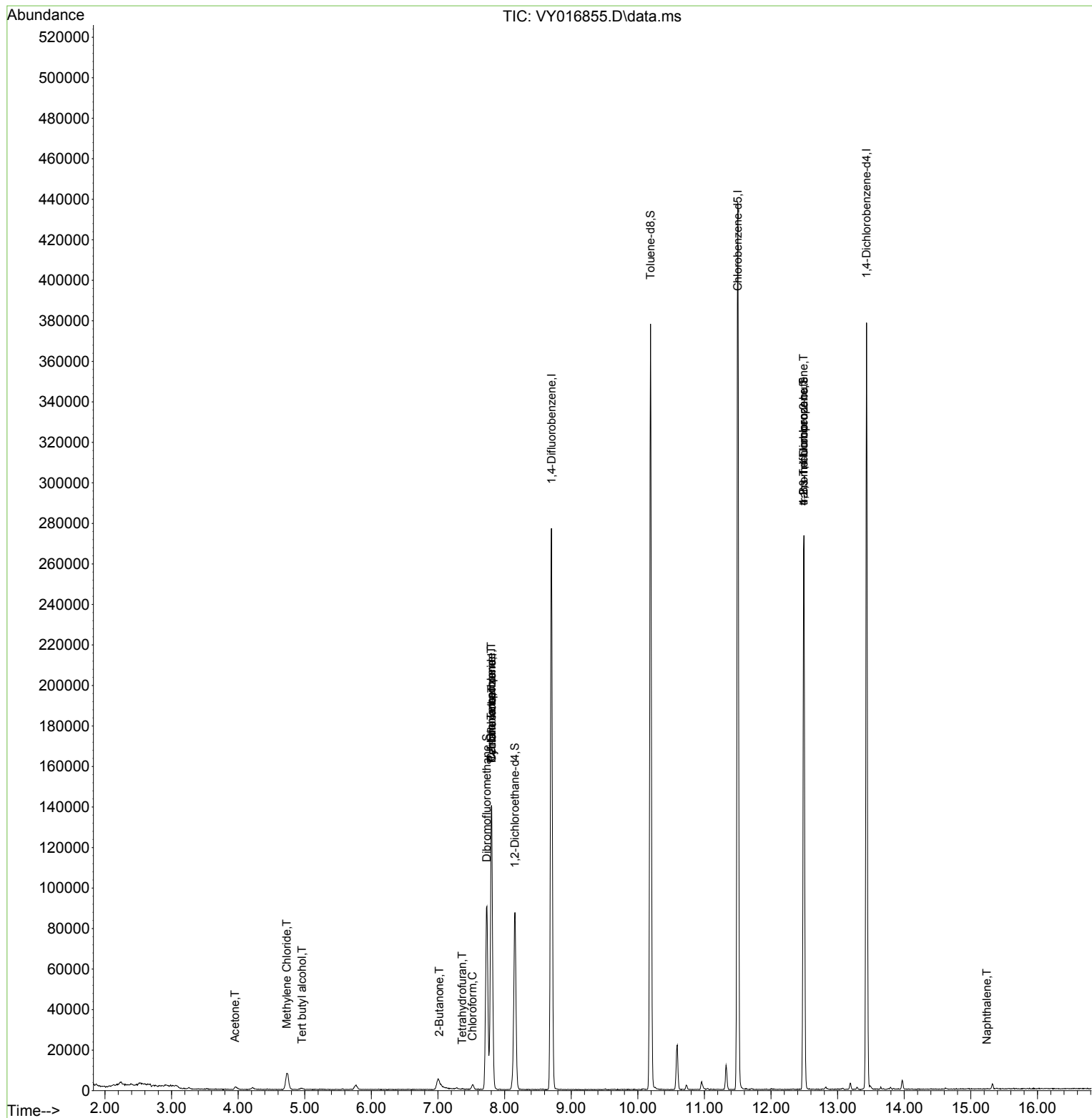
Internal Standards						
1) Pentafluorobenzene	7.807	168	104909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	229145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	232361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	89490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	65501	68.394	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.780%	
35) Dibromofluoromethane	7.734	113	66517	50.676	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.360%	
50) Toluene-d8	10.191	98	239393	50.593	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.180%	
62) 4-Bromofluorobenzene	12.489	95	79437	51.746	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.500%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.960	59	911	11.602	ug/l #	75
16) Acetone	3.954	43	2212	8.541	ug/l #	79
20) Methylene Chloride	4.728	84	6294	1.939	ug/l	97
25) 2-Butanone	7.021	43	829	2.325	ug/l #	48
29) Tetrahydrofuran	7.362	42	231	1.185	ug/l #	32
30) Chloroform	7.514	83	2361	1.119	ug/l	84
31) Cyclohexane	7.807	56	2400	1.308	ug/l #	8
36) 1,1-Dichloropropene	7.801	75	9489	4.509	ug/l #	49
38) Carbon Tetrachloride	7.801	117	10617	5.099	ug/l #	16
76) 1,2,3-Trichloropropane	12.489	75	43545	44.018	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	43545	103.373	ug/l #	12
95) Naphthalene	15.239	128	169	3.648	ug/l #	69

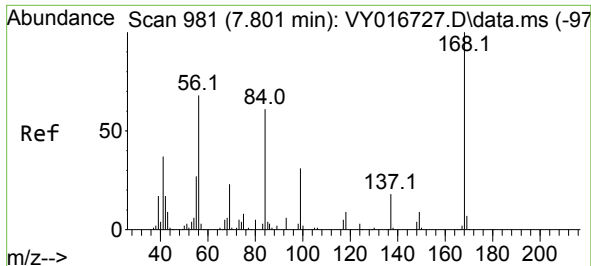
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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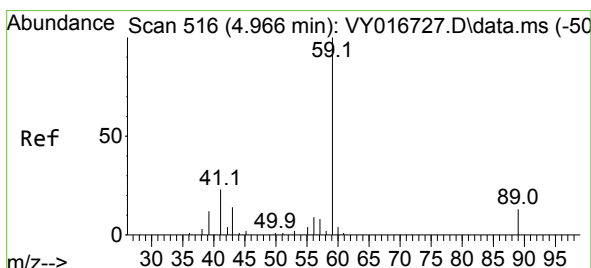
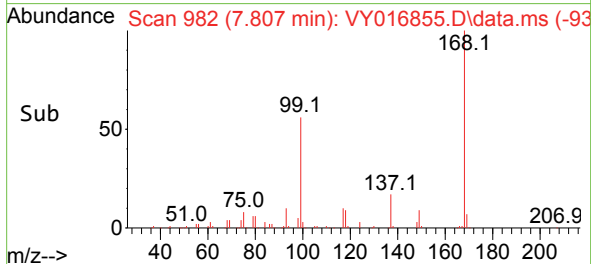
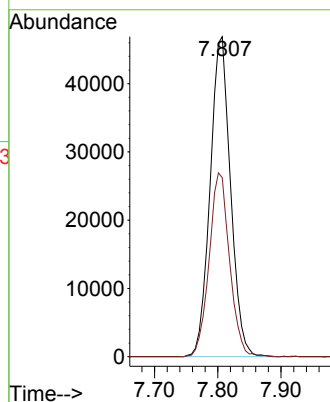
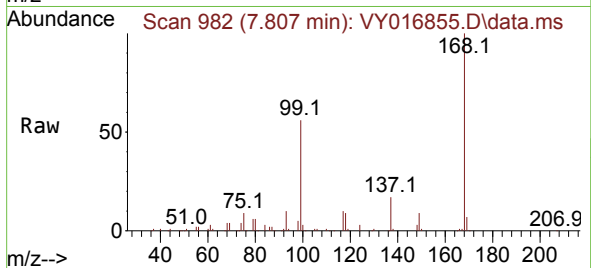




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016855.D
Acq: 26 Dec 2023 16:05

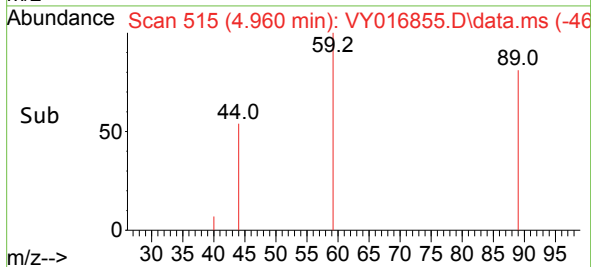
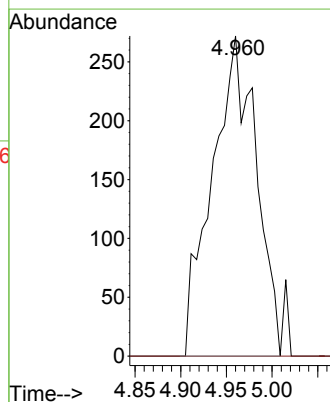
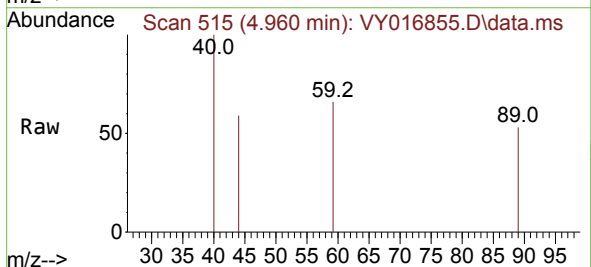
Instrument :
MSVOA_Y
ClientSampleId :

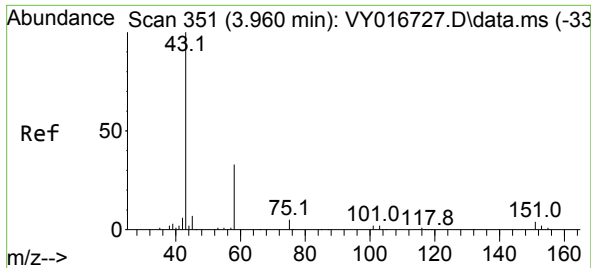
Tgt Ion:168 Resp: 104909
Ion Ratio Lower Upper
168 100
99 55.9 44.2 66.4



#11
Tert butyl alcohol
Concen: 11.602 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY016855.D
Acq: 26 Dec 2023 16:05

Tgt Ion: 59 Resp: 911
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 8.541 ug/l

RT: 3.954 min Scan# 3

Delta R.T. -0.006 min

Lab File: VY016855.D

Acq: 26 Dec 2023 16:05

Instrument :

MSVOA_Y

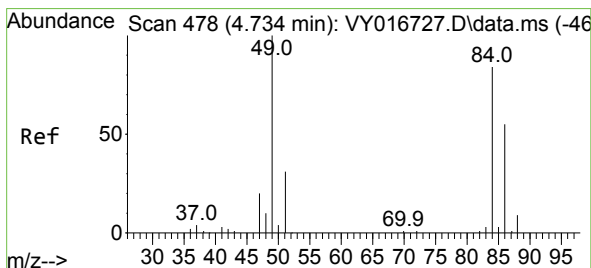
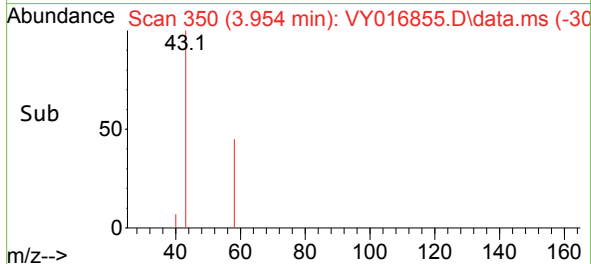
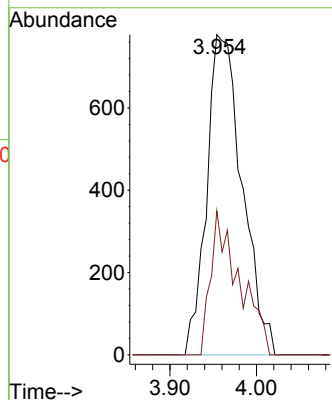
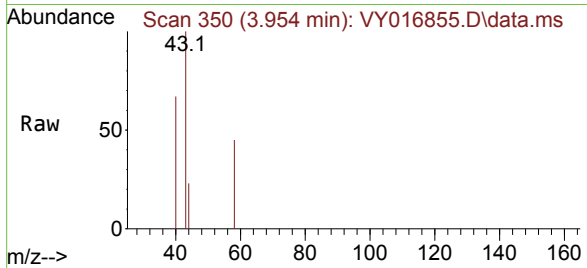
ClientSampleId :

Tgt Ion: 43 Resp: 2212

Ion Ratio Lower Upper

43 100

58 45.0 26.6 39.8#



#20

Methylene Chloride

Concen: 1.939 ug/l

RT: 4.728 min Scan# 477

Delta R.T. -0.006 min

Lab File: VY016855.D

Acq: 26 Dec 2023 16:05

Tgt Ion: 84 Resp: 6294

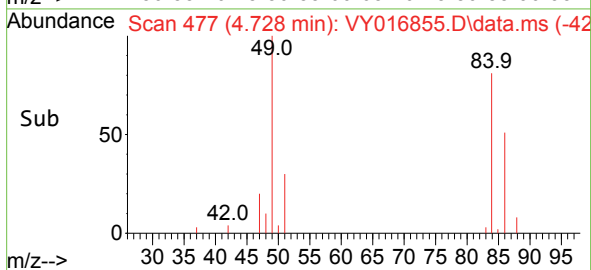
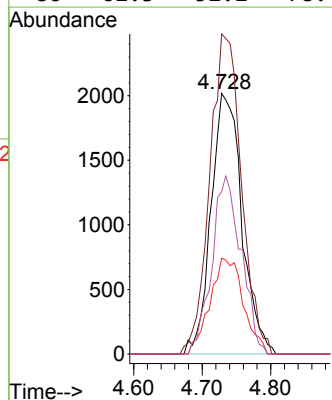
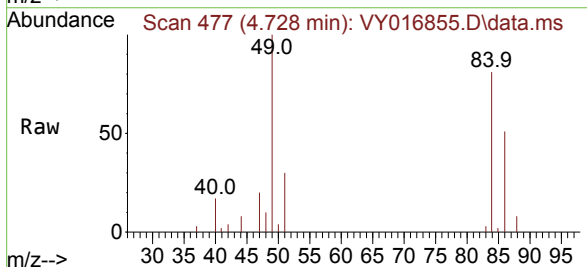
Ion Ratio Lower Upper

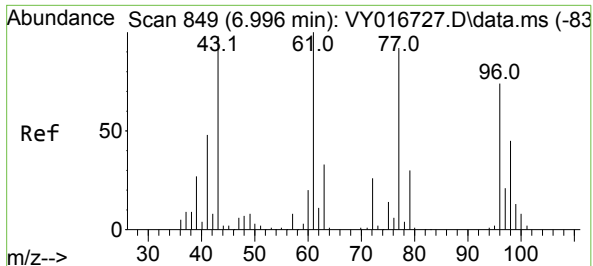
84 100

49 122.8 95.2 142.8

51 36.8 29.9 44.9

86 62.3 52.2 78.4





#25

2-Butanone

Concen: 2.325 ug/l

RT: 7.021 min Scan# 81

Delta R.T. 0.025 min

Lab File: VY016855.D

Acq: 26 Dec 2023 16:05

Instrument :

MSVOA_Y

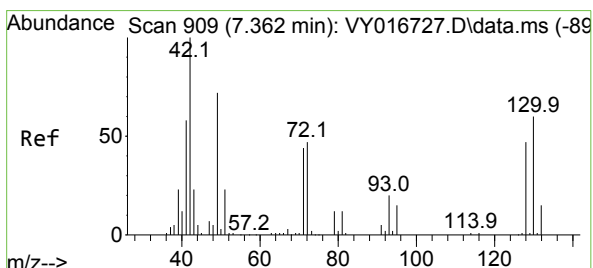
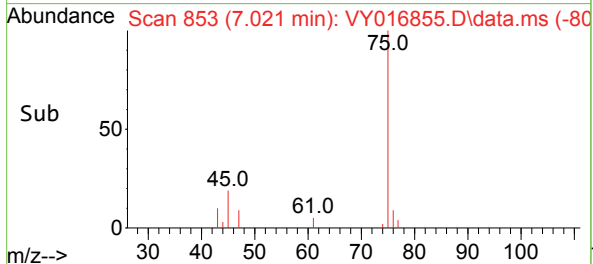
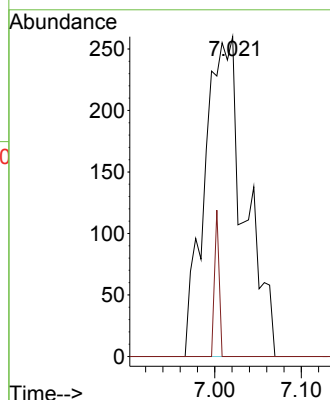
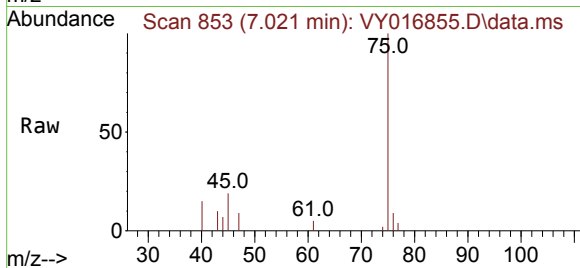
ClientSampleId :

Tgt Ion: 43 Resp: 829

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#29

Tetrahydrofuran

Concen: 1.185 ug/l

RT: 7.362 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY016855.D

Acq: 26 Dec 2023 16:05

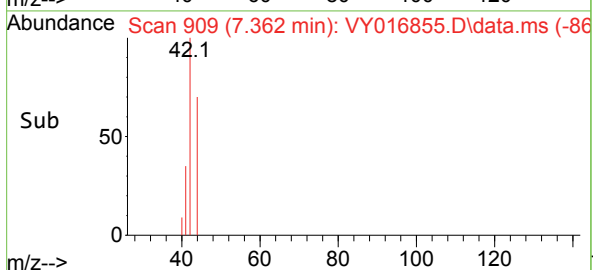
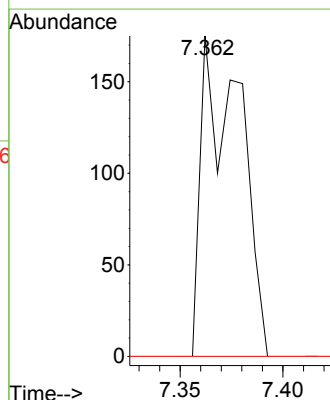
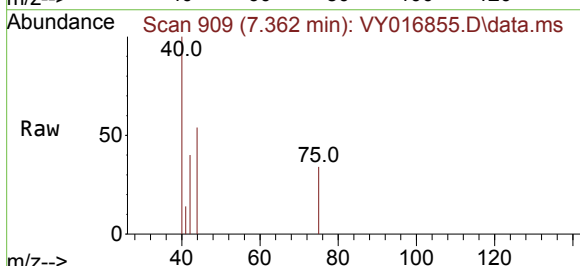
Tgt Ion: 42 Resp: 231

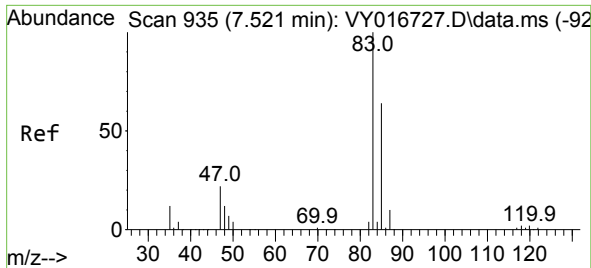
Ion Ratio Lower Upper

42 100

72 0.0 36.6 54.8#

71 0.0 33.8 50.6#

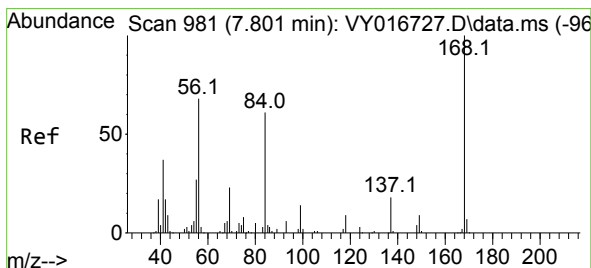
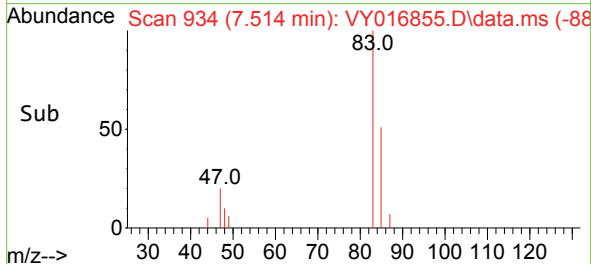
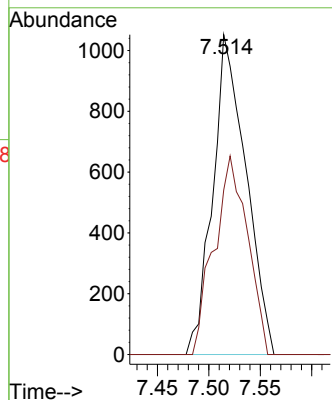
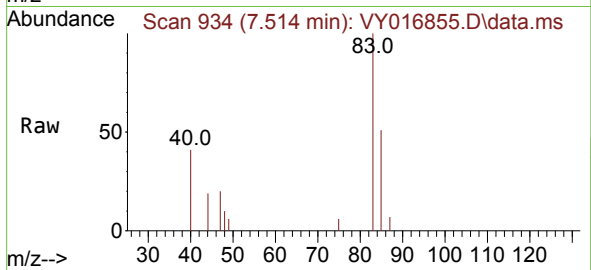




#30
Chloroform
Concen: 1.119 ug/l
RT: 7.514 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016855.D
Acq: 26 Dec 2023 16:05

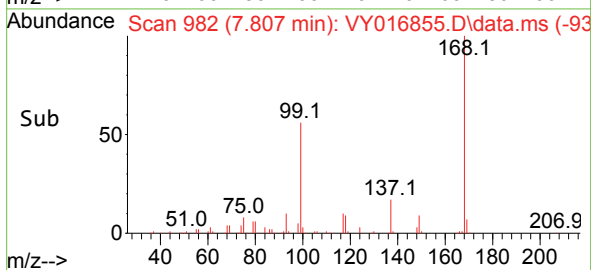
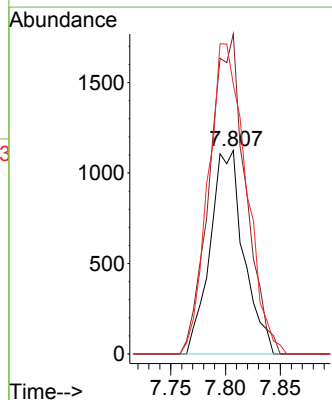
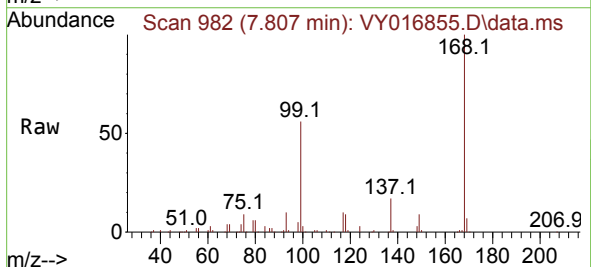
Instrument :
MSVOA_Y
ClientSampleId :

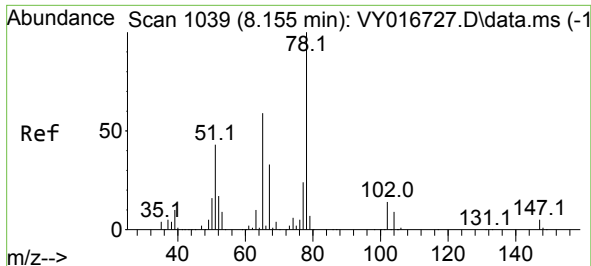
Tgt Ion: 83 Resp: 2361
Ion Ratio Lower Upper
83 100
85 51.4 51.2 76.8



#31
Cyclohexane
Concen: 1.308 ug/l
RT: 7.807 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY016855.D
Acq: 26 Dec 2023 16:05

Tgt Ion: 56 Resp: 2400
Ion Ratio Lower Upper
56 100
69 157.2 27.0 40.6#
84 132.4 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 68.394 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY016855.D

Acq: 26 Dec 2023 16:05

Instrument :

MSVOA_Y

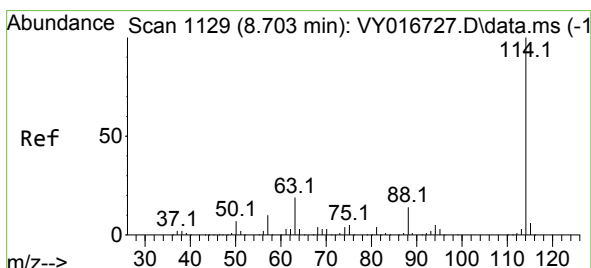
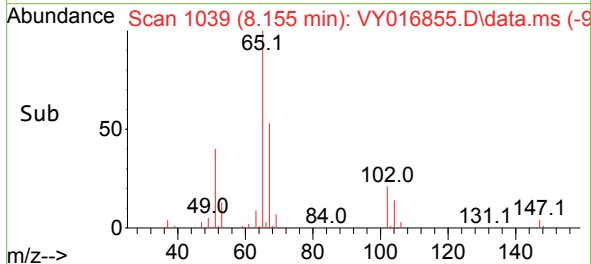
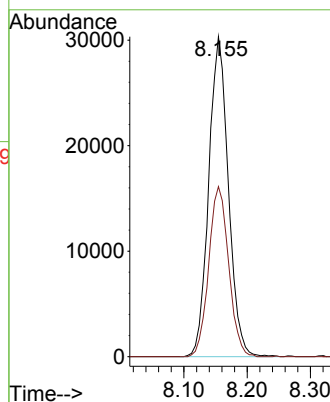
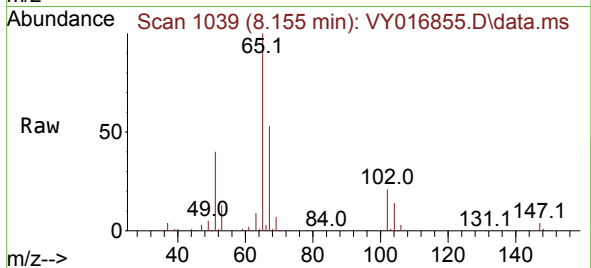
ClientSampleId :

Tgt Ion: 65 Resp: 65501

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY016855.D

Acq: 26 Dec 2023 16:05

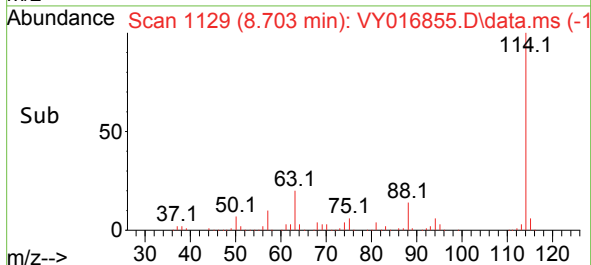
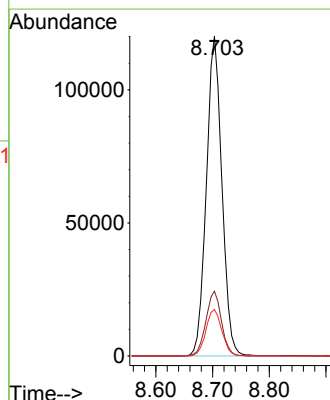
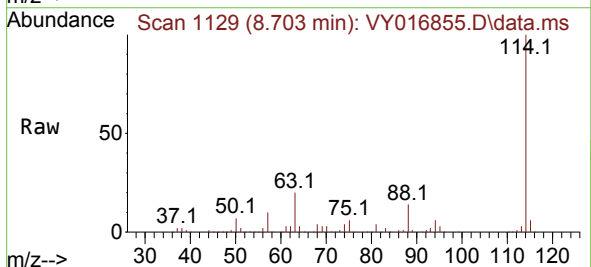
Tgt Ion: 114 Resp: 229145

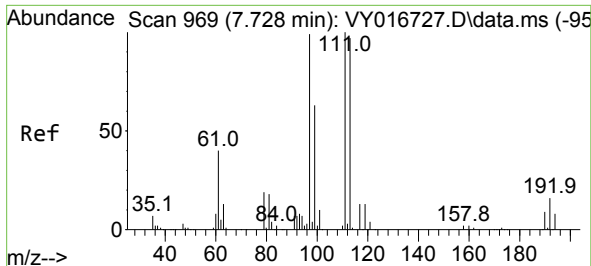
Ion Ratio Lower Upper

114 100

63 20.3 0.0 37.4

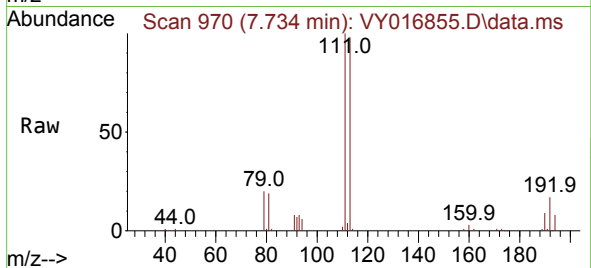
88 14.5 0.0 29.0



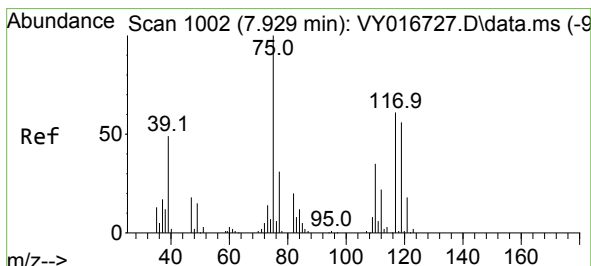
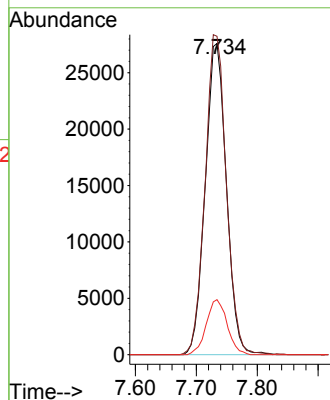
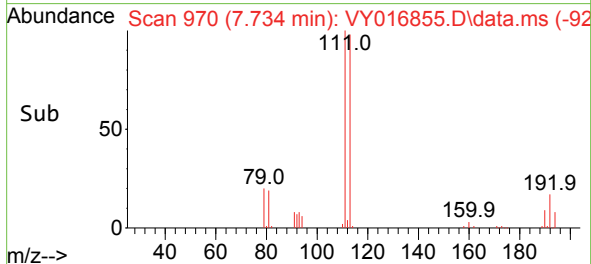


#35
Dibromofluoromethane
Concen: 50.676 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016855.D
Acq: 26 Dec 2023 16:05

Instrument :
MSVOA_Y
ClientSampleId :

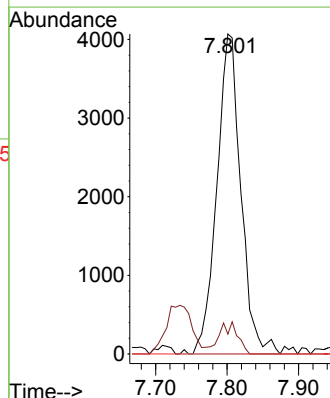
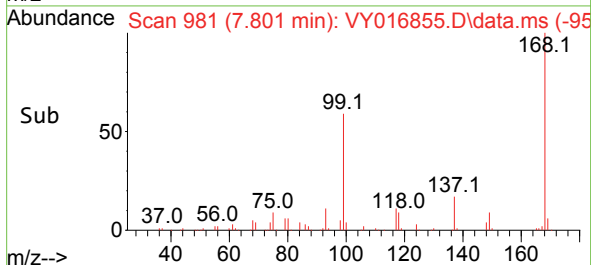
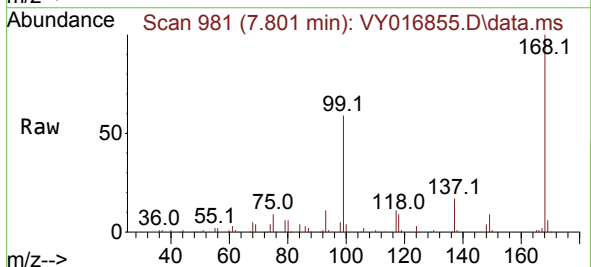


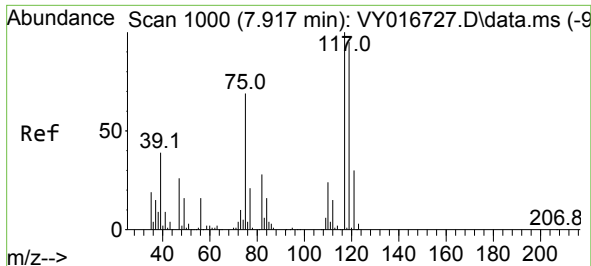
Tgt Ion:113 Resp: 66517
Ion Ratio Lower Upper
113 100
111 103.4 83.8 125.6
192 17.5 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.509 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY016855.D
Acq: 26 Dec 2023 16:05

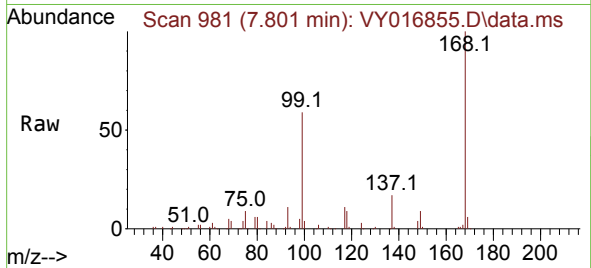
Tgt Ion: 75 Resp: 9489
Ion Ratio Lower Upper
75 100
110 7.7 17.4 52.3#
77 0.0 24.7 37.1#



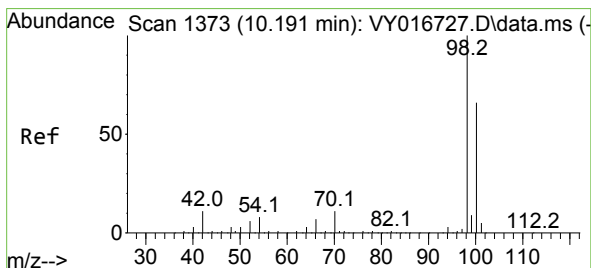
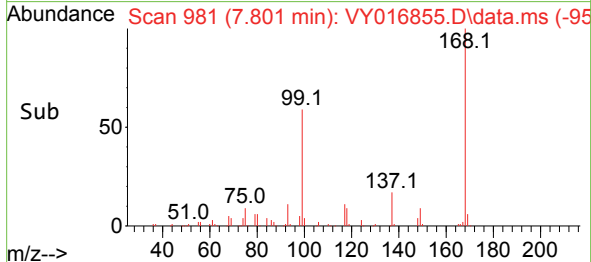
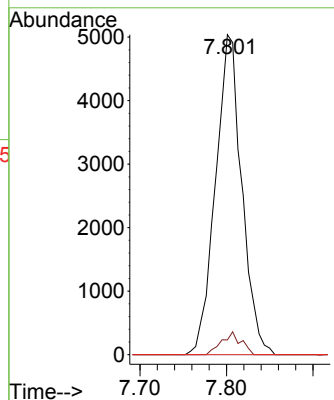


#38
Carbon Tetrachloride
Concen: 5.099 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY016855.D
Acq: 26 Dec 2023 16:05

Instrument :
MSVOA_Y
ClientSampleId :

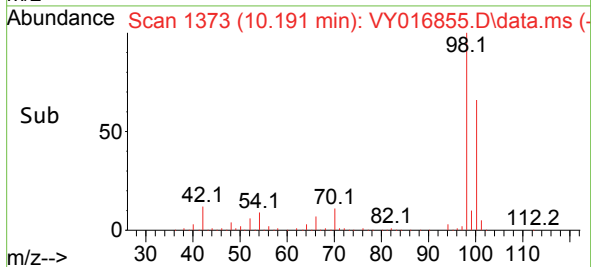
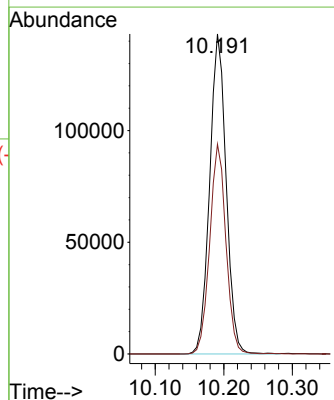
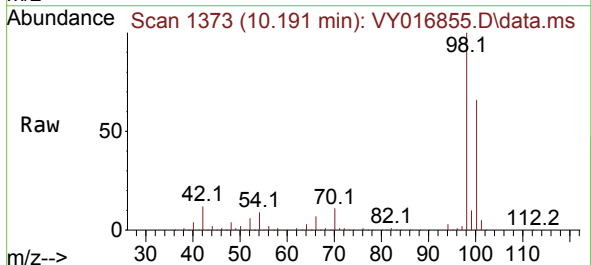


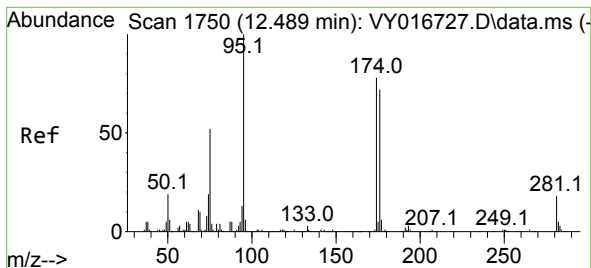
Tgt Ion:117 Resp: 10617
Ion Ratio Lower Upper
117 100
119 4.6 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.593 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.000 min
Lab File: VY016855.D
Acq: 26 Dec 2023 16:05

Tgt Ion: 98 Resp: 239393
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5

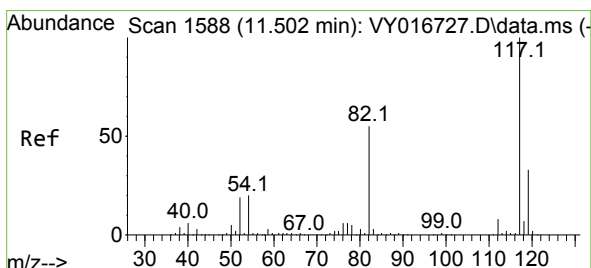
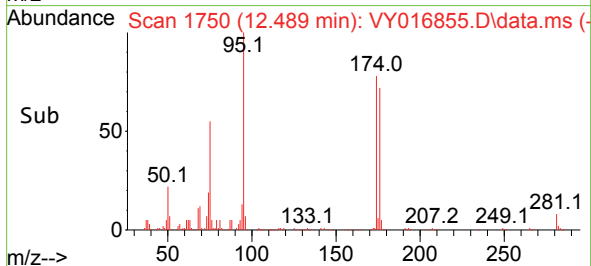
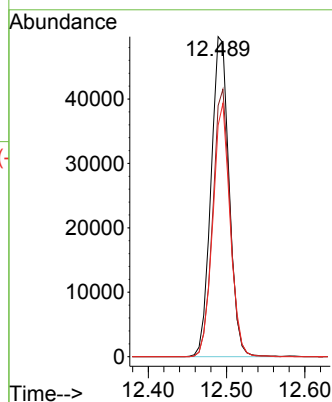
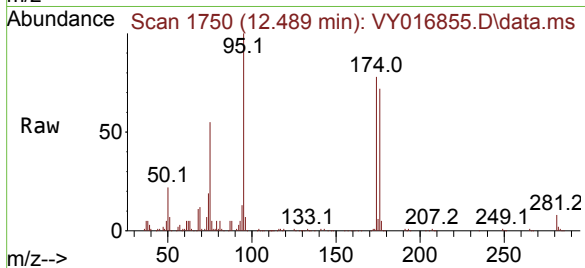




#62
4-Bromofluorobenzene
Concen: 51.746 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY016855.D
Acq: 26 Dec 2023 16:05

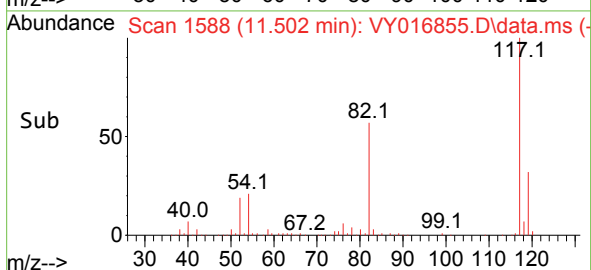
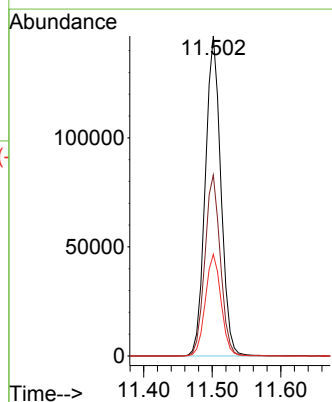
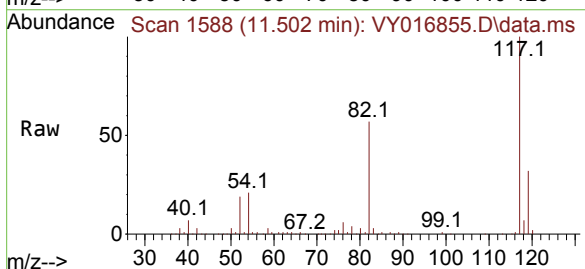
Instrument :
MSVOA_Y
ClientSampleId :

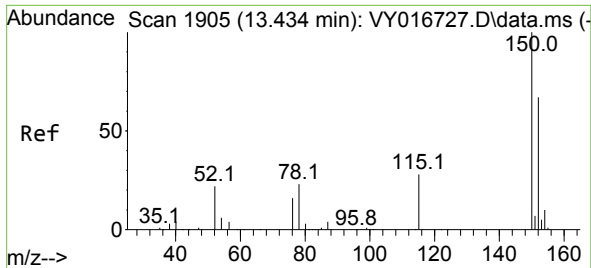
Tgt Ion: 95 Resp: 79437
Ion Ratio Lower Upper
95 100
174 80.4 0.0 160.0
176 76.0 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.000 min
Lab File: VY016855.D
Acq: 26 Dec 2023 16:05

Tgt Ion: 117 Resp: 232361
Ion Ratio Lower Upper
117 100
82 56.5 43.8 65.8
119 31.8 26.5 39.7

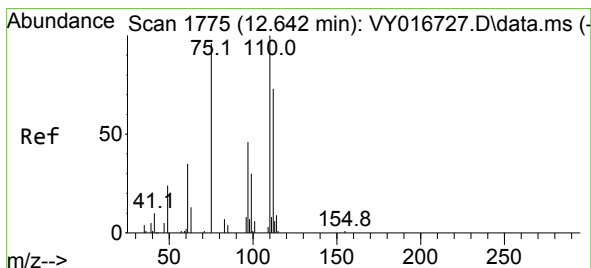
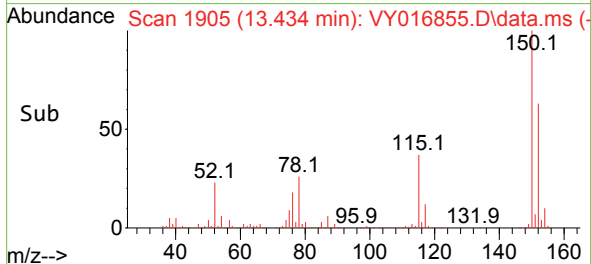
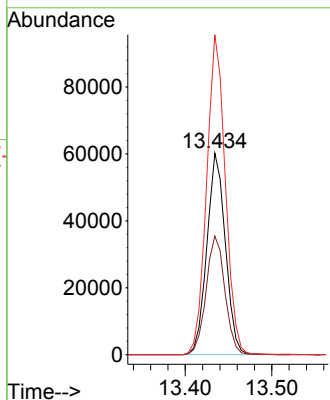
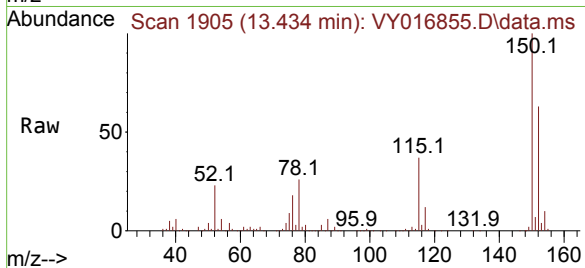




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.000 min
 Lab File: VY016855.D
 Acq: 26 Dec 2023 16:05

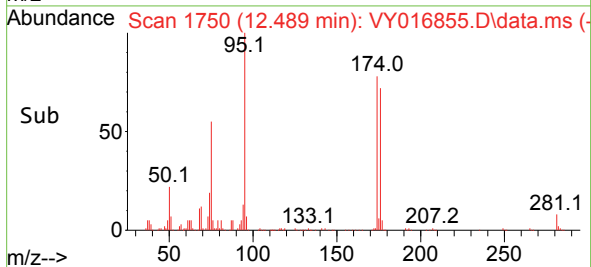
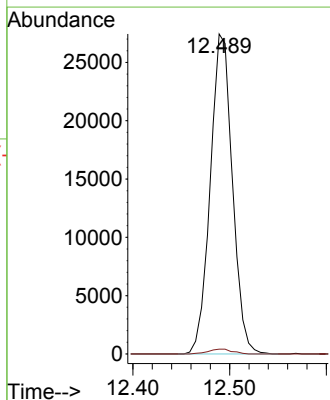
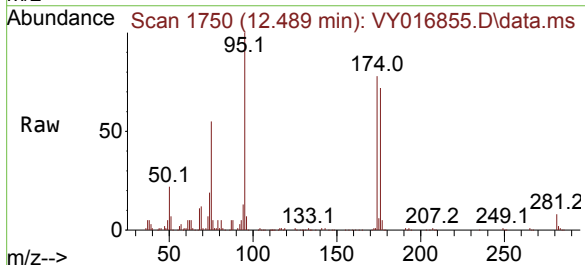
Instrument :
 MSVOA_Y
 ClientSampleId :

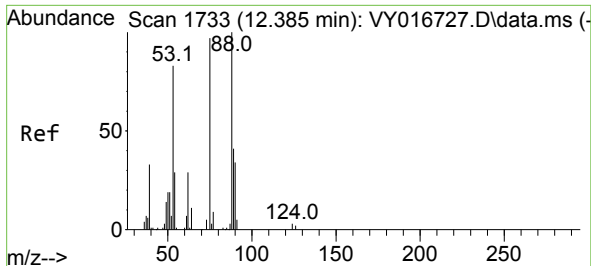
Tgt Ion:152 Resp: 89490
 Ion Ratio Lower Upper
 152 100
 115 59.9 30.0 90.0
 150 159.9 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 44.018 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.152 min
 Lab File: VY016855.D
 Acq: 26 Dec 2023 16:05

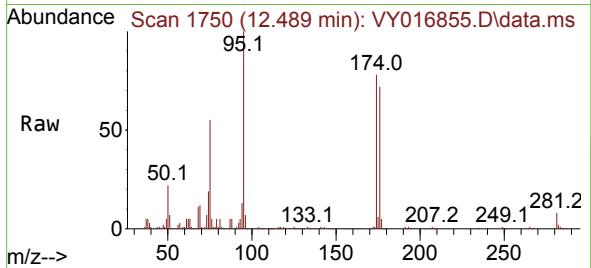
Tgt Ion: 75 Resp: 43545
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



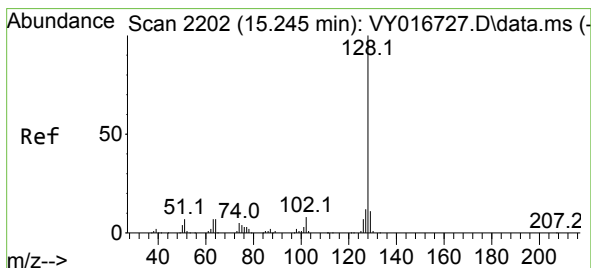
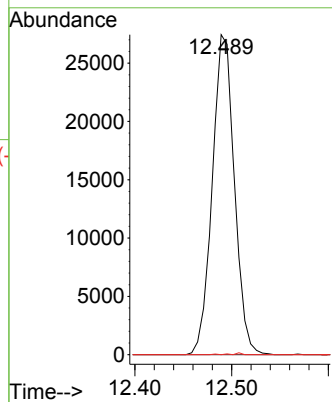
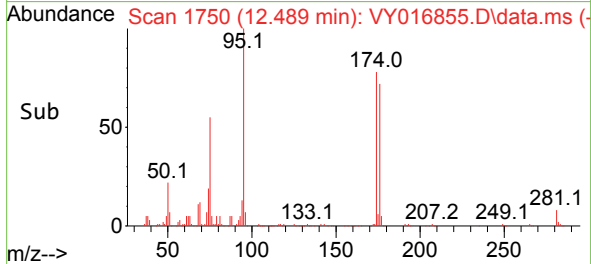


#81
trans-1,4-Dichloro-2-butene
Concen: 103.373 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016855.D
Acq: 26 Dec 2023 16:05

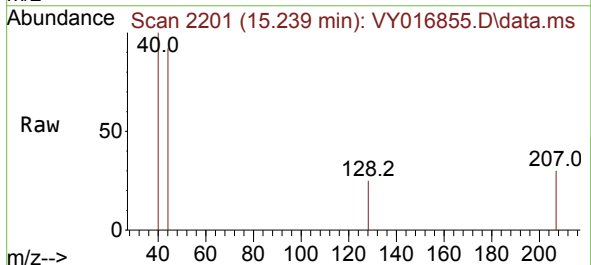
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 43545
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.1 36.5 54.7#



#95
Naphthalene
Concen: 3.648 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY016855.D
Acq: 26 Dec 2023 16:05



Tgt Ion: 128 Resp: 169
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

