

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
 Data File : VY016154.D
 Acq On : 31 Oct 2023 18:23
 Operator : SY/MD
 Sample : 05136-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 01 03:41:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

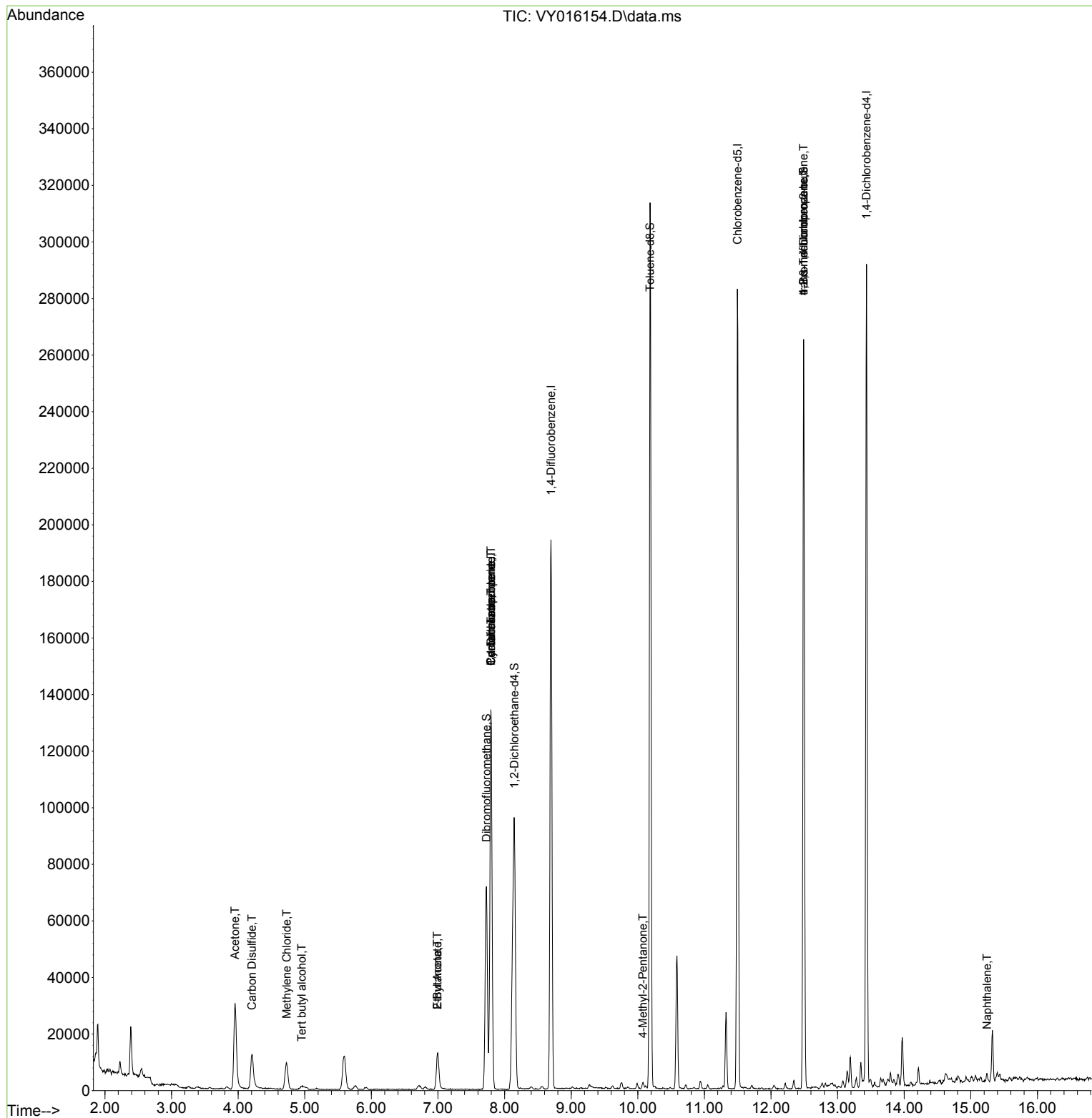
Internal Standards						
1) Pentafluorobenzene	7.795	168	105966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	172996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	159069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	74191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	59339	59.844	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.680%	
35) Dibromofluoromethane	7.728	113	50614	49.075	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.160%	
50) Toluene-d8	10.185	98	202527	49.528	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.060%	
62) 4-Bromofluorobenzene	12.489	95	68590	49.054	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.100%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	1520	20.517	ug/l #	93
13) Acrolein	3.741	56	276	Below Cal		97
16) Acetone	3.954	43	55267	357.360	ug/l	90
17) Carbon Disulfide	4.204	76	22805	10.894	ug/l	97
20) Methylene Chloride	4.728	84	7103	4.257	ug/l	87
25) 2-Butanone	6.990	43	23326	85.268	ug/l	99
31) Cyclohexane	7.795	56	1972	1.294	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	7826	5.255	ug/l #	51
37) Ethyl Acetate	6.990	43	23326	35.166	ug/l #	71
38) Carbon Tetrachloride	7.795	117	10130	6.866	ug/l #	15
49) 1,4-Dioxane	9.301	88	752	Below Cal	#	36
51) 4-Methyl-2-Pentanone	10.075	43	1585	2.421	ug/l	100
76) 1,2,3-Trichloropropane	12.489	75	36721	52.559	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	36721	113.960	ug/l #	11
95) Naphthalene	15.245	128	2708	1.049	ug/l	98

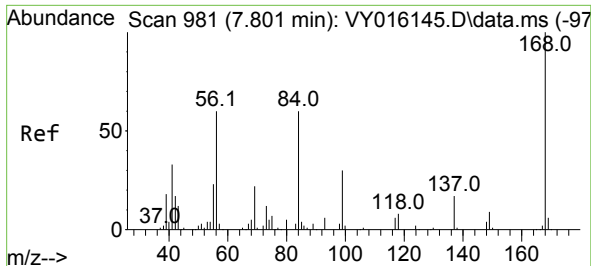
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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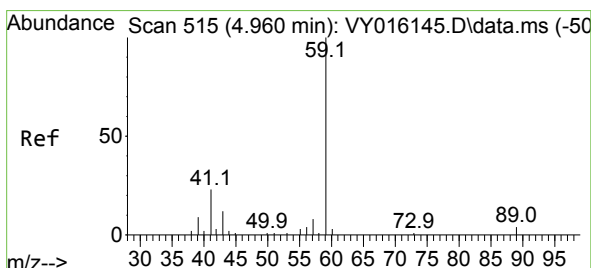
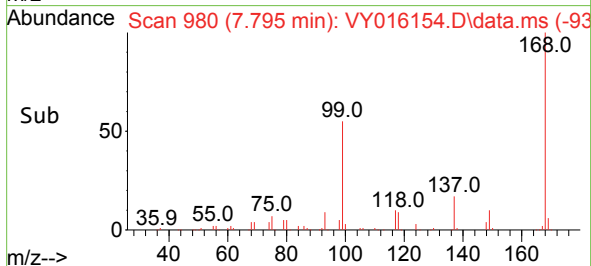
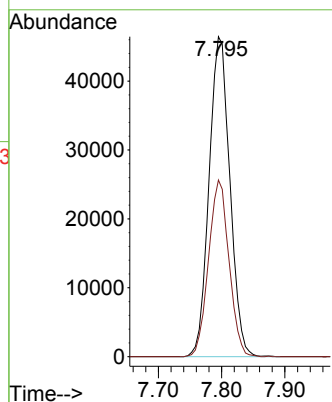
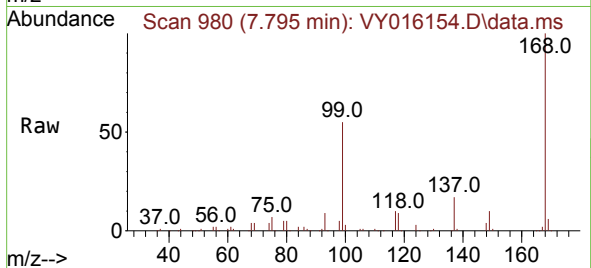




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY016154.D
Acq: 31 Oct 2023 18:23

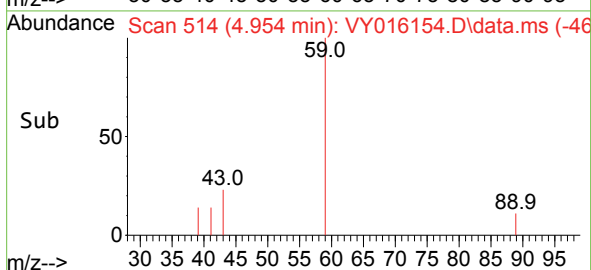
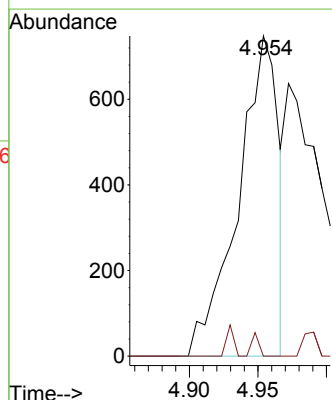
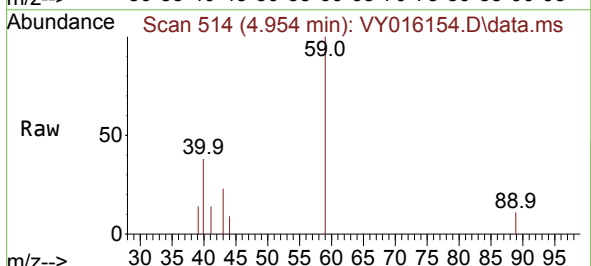
Instrument :
MSVOA_Y
ClientSampleId :

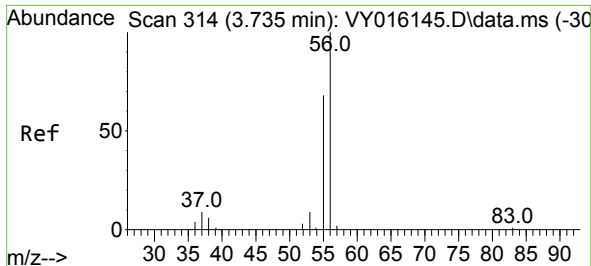
Tgt Ion:168 Resp: 105966
Ion Ratio Lower Upper
168 100
99 55.2 43.4 65.0



#11
Tert butyl alcohol
Concen: 20.517 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY016154.D
Acq: 31 Oct 2023 18:23

Tgt Ion: 59 Resp: 1520
Ion Ratio Lower Upper
59 100
57 1.3 3.0 4.4#





#13

Acrolein

Concen: Below Cal

RT: 3.741 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY016154.D

Acq: 31 Oct 2023 18:23

Instrument :

MSVOA_Y

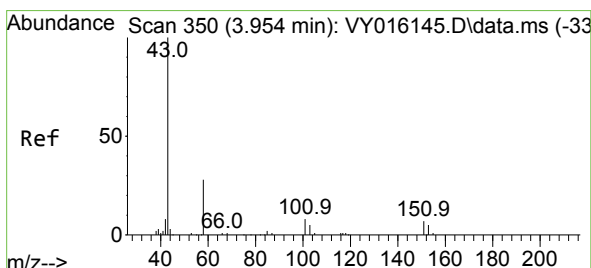
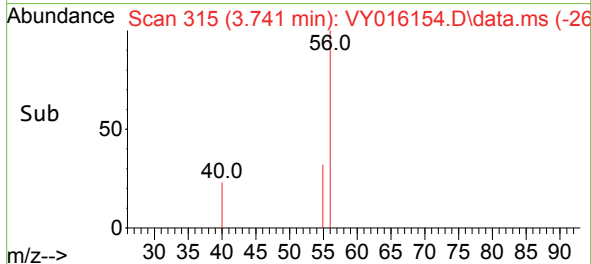
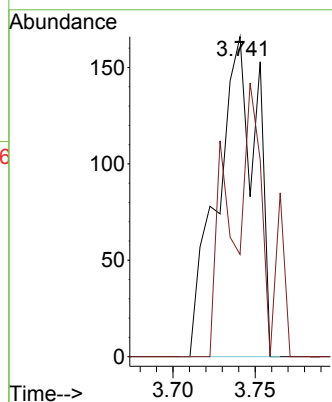
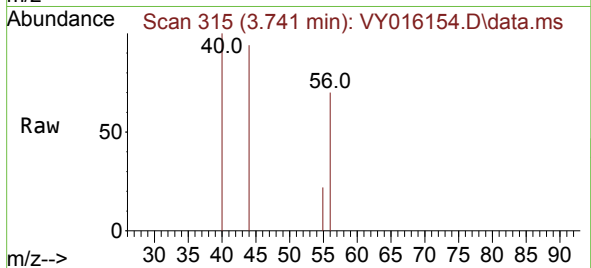
ClientSampleId :

Tgt Ion: 56 Resp: 276

Ion Ratio Lower Upper

56 100

55 73.6 57.0 85.4



#16

Acetone

Concen: 357.360 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.000 min

Lab File: VY016154.D

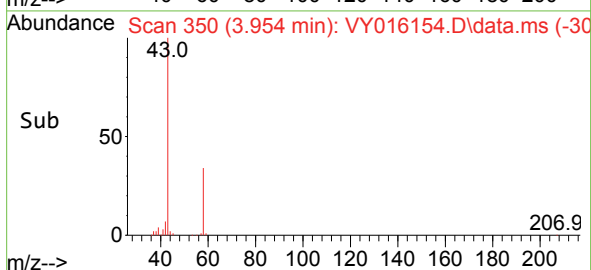
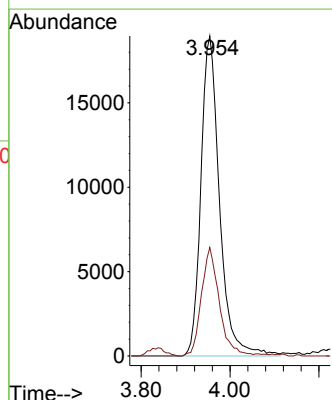
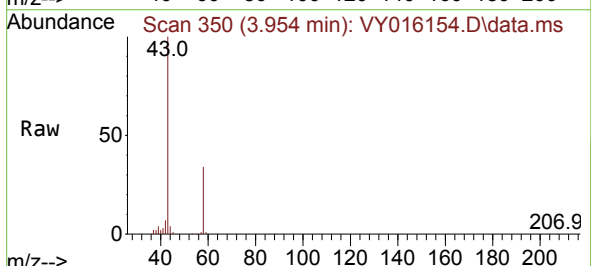
Acq: 31 Oct 2023 18:23

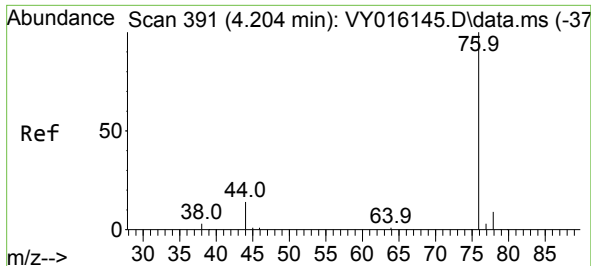
Tgt Ion: 43 Resp: 55267

Ion Ratio Lower Upper

43 100

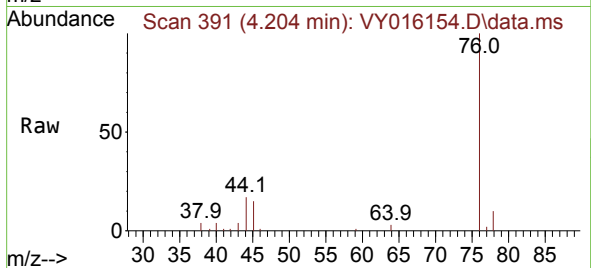
58 33.9 22.7 34.1



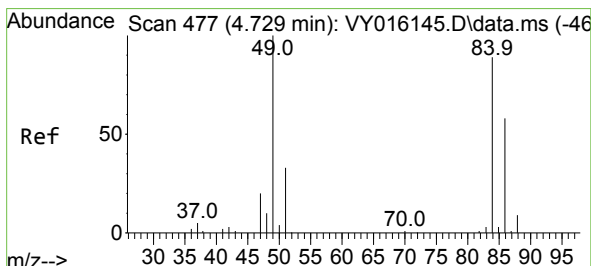
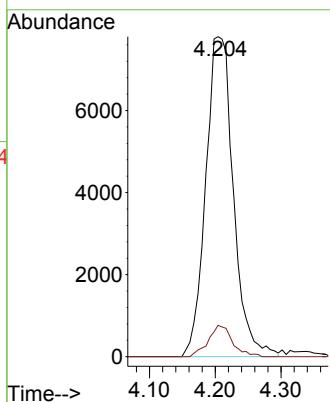
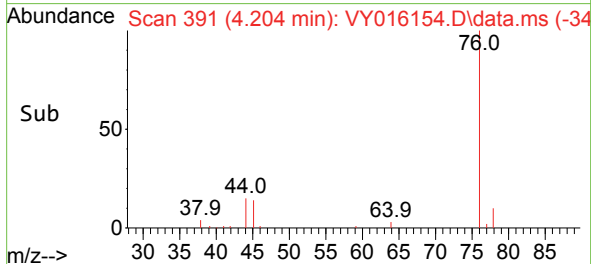


#17
Carbon Disulfide
Concen: 10.894 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY016154.D
Acq: 31 Oct 2023 18:23

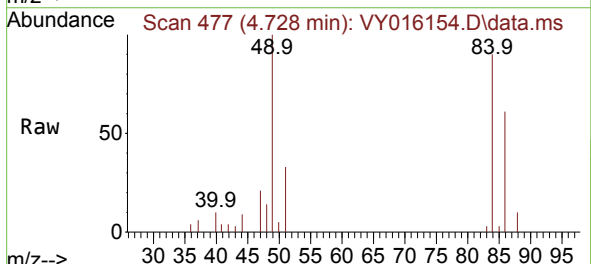
Instrument :
MSVOA_Y
ClientSampleId :



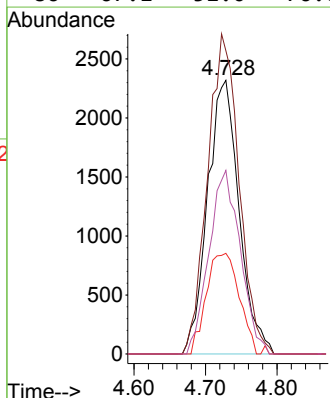
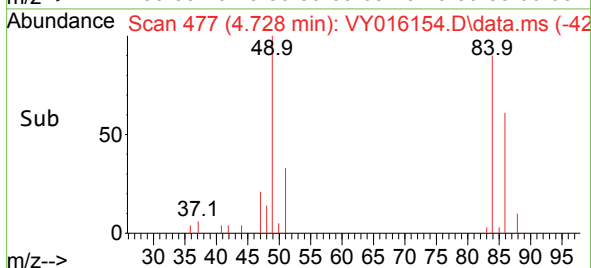
Tgt Ion: 76 Resp: 22805
Ion Ratio Lower Upper
76 100
78 9.8 7.0 10.4

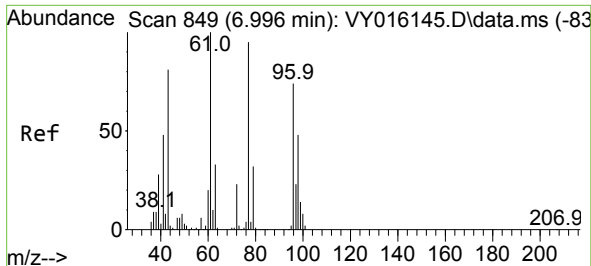


#20
Methylene Chloride
Concen: 4.257 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY016154.D
Acq: 31 Oct 2023 18:23



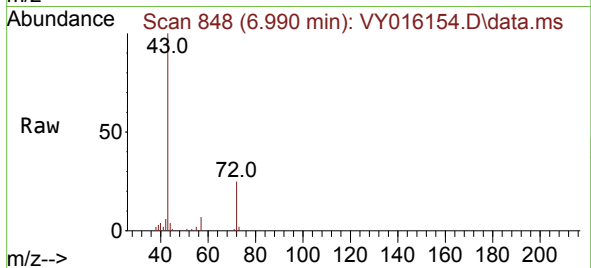
Tgt Ion: 84 Resp: 7103
Ion Ratio Lower Upper
84 100
49 110.8 106.9 160.3
51 36.8 33.2 49.8
86 67.1 51.0 76.6



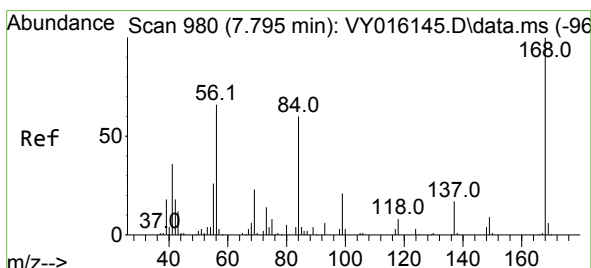
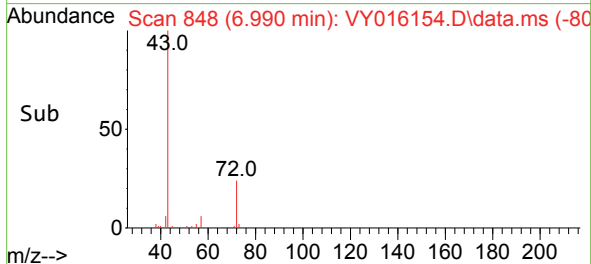
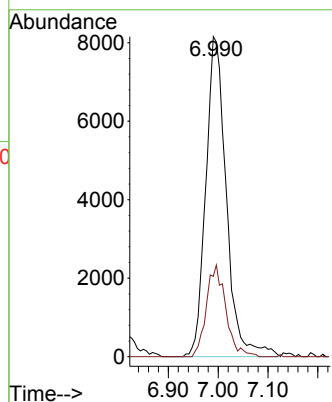


#25
2-Butanone
Concen: 85.268 ug/l
RT: 6.990 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY016154.D
Acq: 31 Oct 2023 18:23

Instrument :
MSVOA_Y
ClientSampleId :

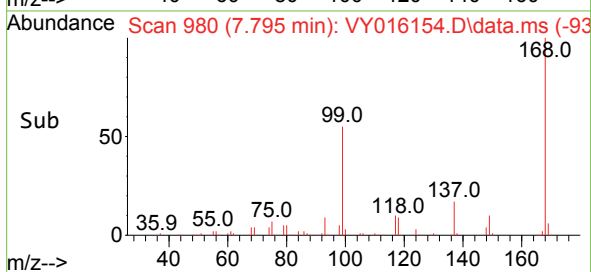
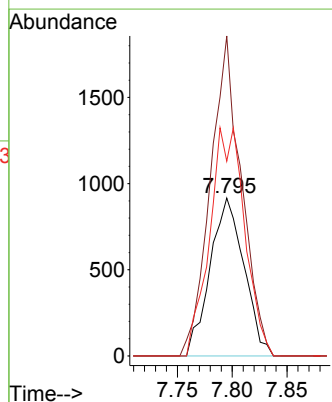
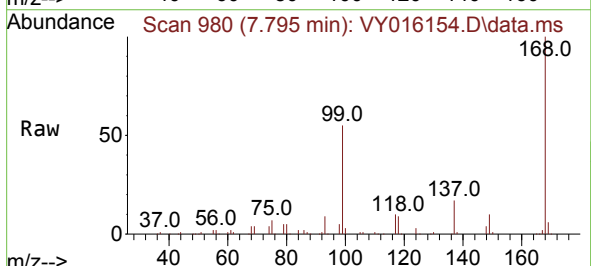


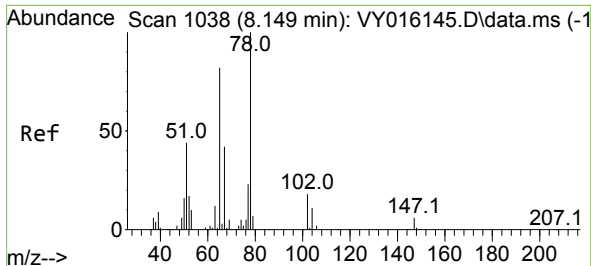
Tgt Ion: 43 Resp: 23326
Ion Ratio Lower Upper
43 100
72 25.1 20.5 30.7



#31
Cyclohexane
Concen: 1.294 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY016154.D
Acq: 31 Oct 2023 18:23

Tgt Ion: 56 Resp: 1972
Ion Ratio Lower Upper
56 100
69 202.7 27.8 41.6#
84 123.4 66.4 99.6#

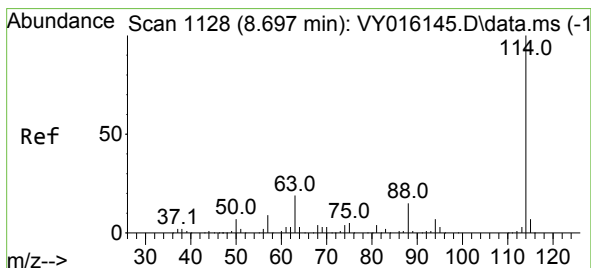
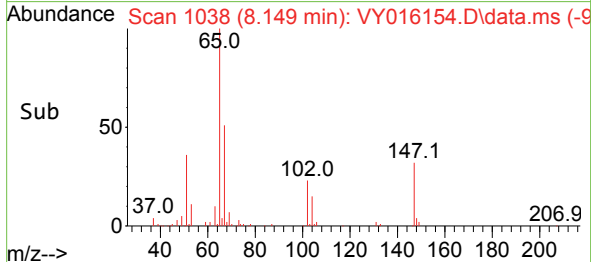
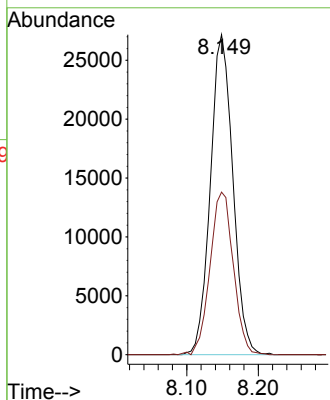
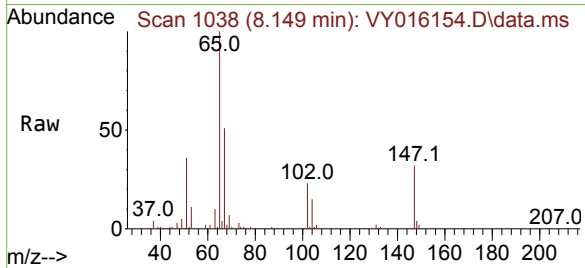




#33
 1,2-Dichloroethane-d4
 Concen: 59.844 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. -0.000 min
 Lab File: VY016154.D
 Acq: 31 Oct 2023 18:23

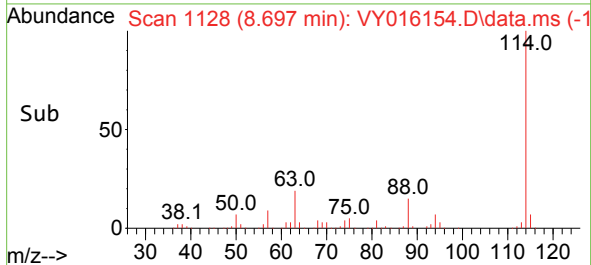
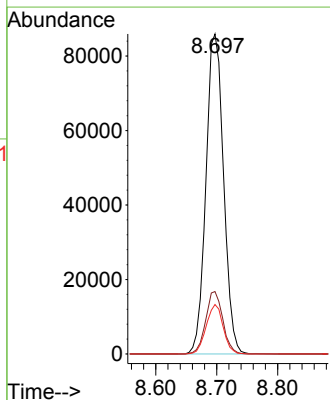
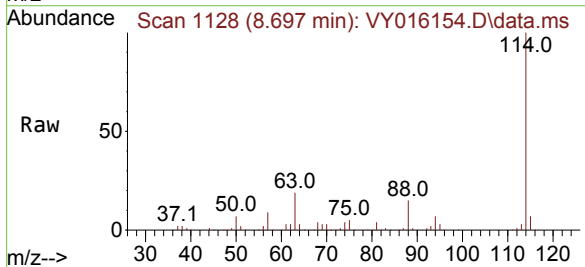
Instrument :
 MSVOA_Y
 ClientSampleId :

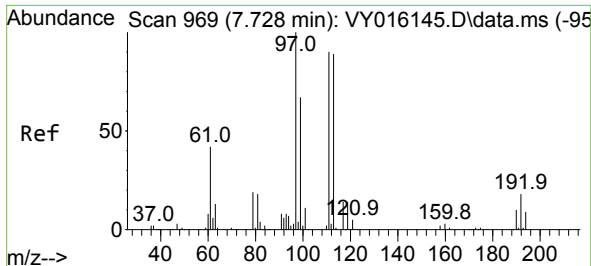
Tgt Ion: 65 Resp: 59339
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.000 min
 Lab File: VY016154.D
 Acq: 31 Oct 2023 18:23

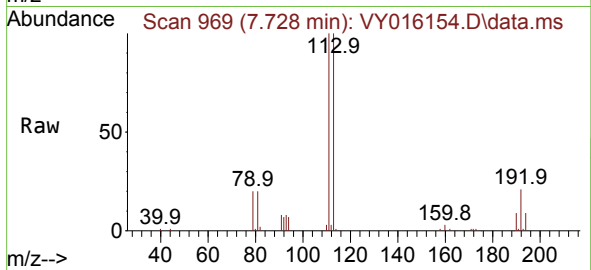
Tgt Ion:114 Resp: 172996
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.4
 88 15.4 0.0 30.6



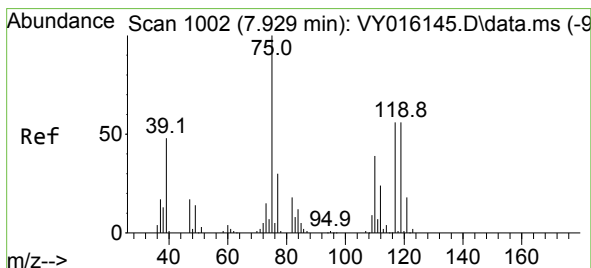
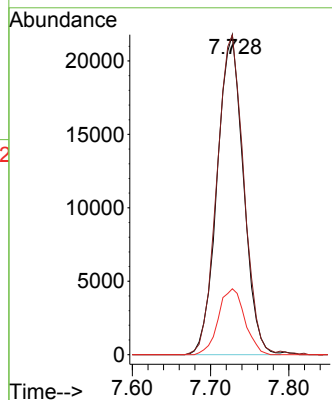
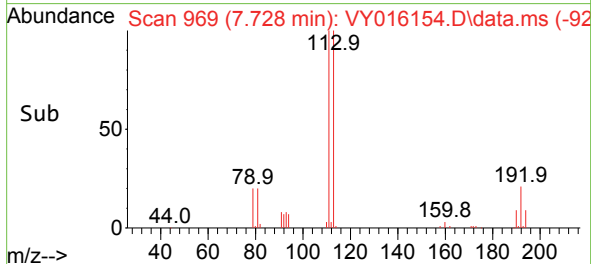


#35
Dibromofluoromethane
Concen: 49.075 ug/l
RT: 7.728 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY016154.D
Acq: 31 Oct 2023 18:23

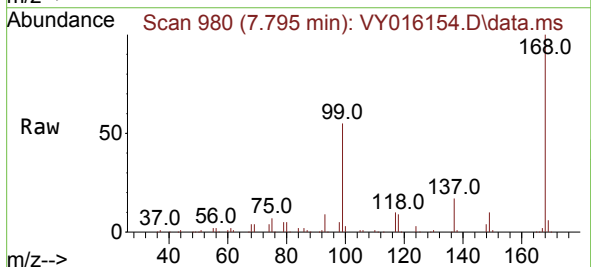
Instrument :
MSVOA_Y
ClientSampleId :



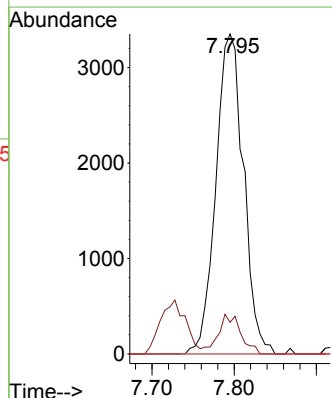
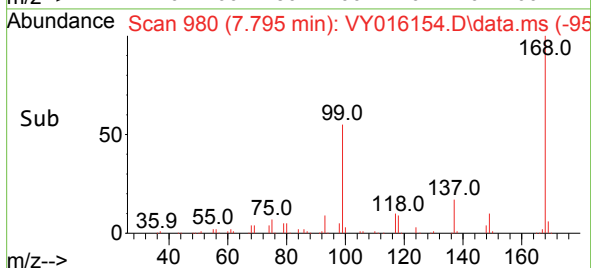
Tgt Ion:113 Resp: 50614
Ion Ratio Lower Upper
113 100
111 102.5 81.3 121.9
192 20.8 16.9 25.3

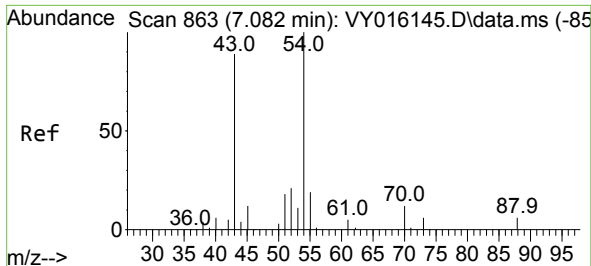


#36
1,1-Dichloropropene
Concen: 5.255 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY016154.D
Acq: 31 Oct 2023 18:23



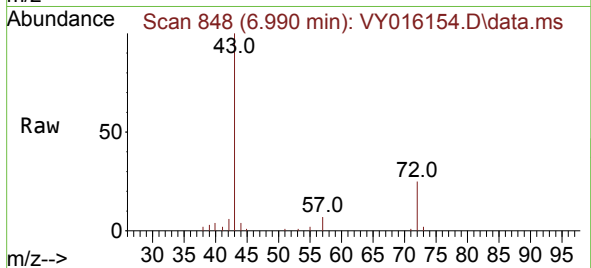
Tgt Ion: 75 Resp: 7826
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.5#
77 0.0 24.4 36.6#



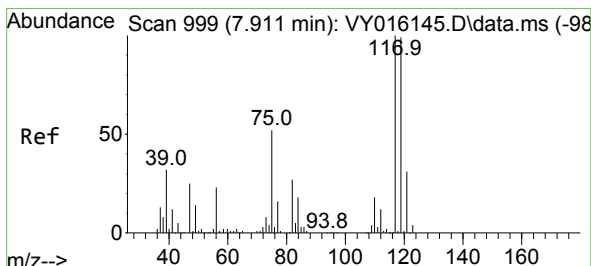
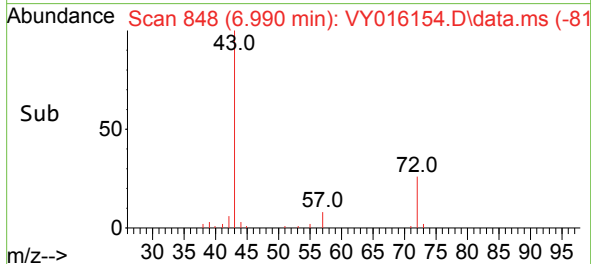
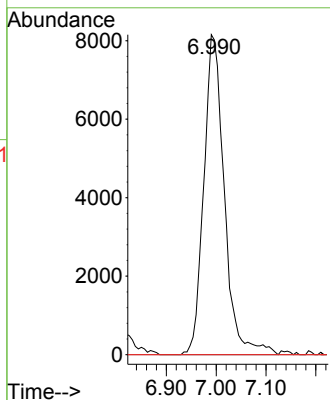


#37
Ethyl Acetate
Concen: 35.166 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.092 min
Lab File: VY016154.D
Acq: 31 Oct 2023 18:23

Instrument :
MSVOA_Y
ClientSampleId :

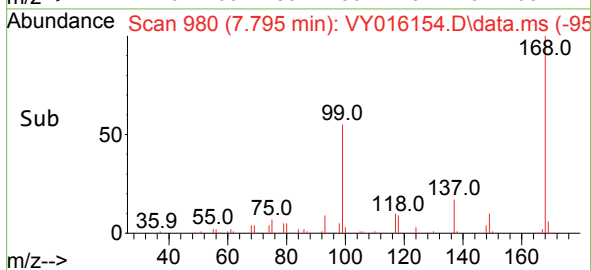
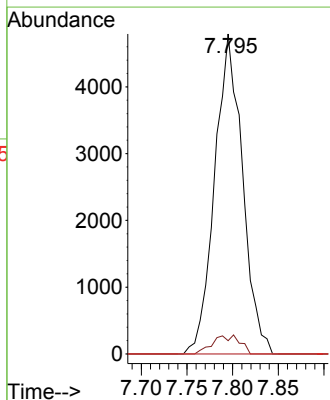
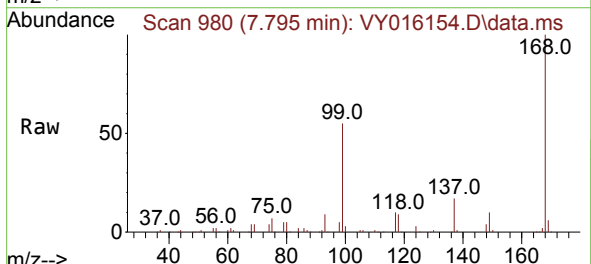


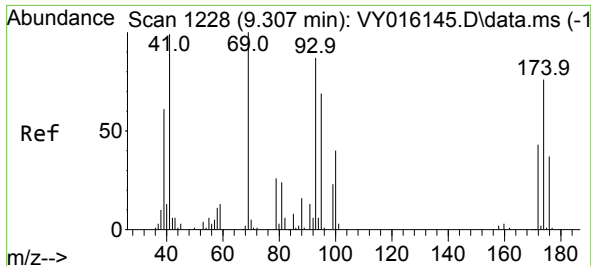
Tgt Ion: 43 Resp: 23326
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.866 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY016154.D
Acq: 31 Oct 2023 18:23

Tgt Ion: 117 Resp: 10130
Ion Ratio Lower Upper
117 100
119 4.1 76.4 114.6#
121 0.0 25.8 38.6#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.301 min Scan# 1227

Delta R.T. -0.006 min

Lab File: VY016154.D

Acq: 31 Oct 2023 18:23

Instrument :

MSVOA_Y

ClientSampleId :

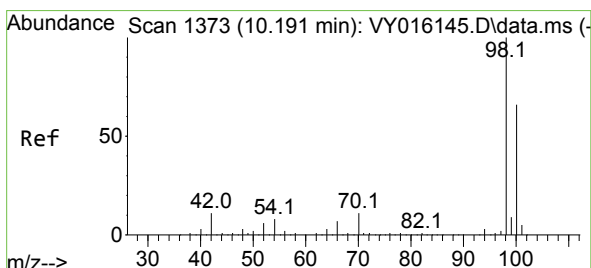
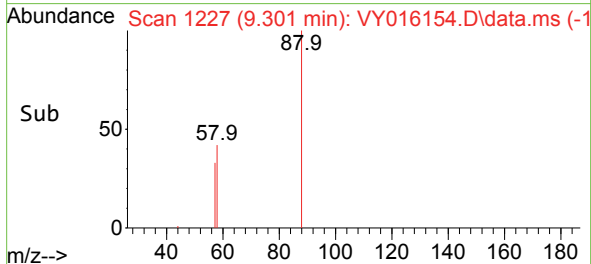
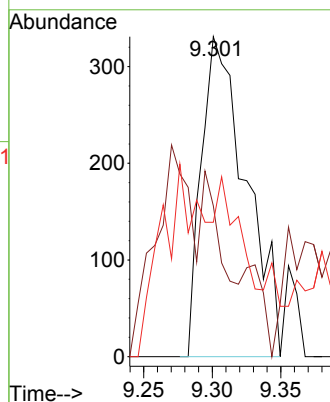
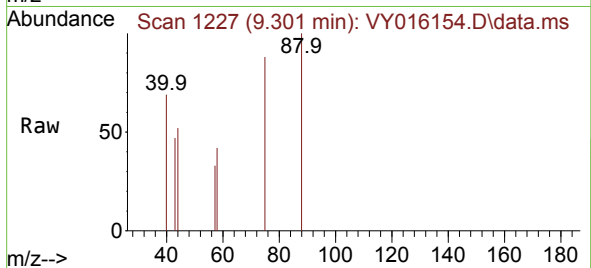
Tgt Ion: 88 Resp: 752

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 30.9 46.3#



#50

Toluene-d8

Concen: 49.528 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.006 min

Lab File: VY016154.D

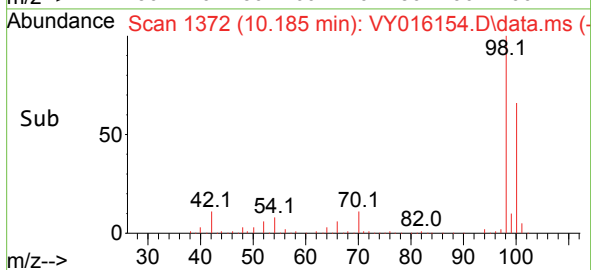
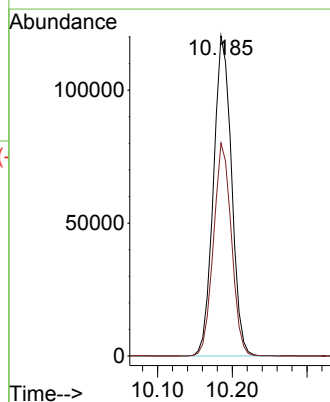
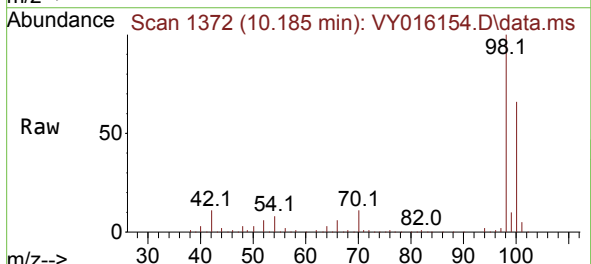
Acq: 31 Oct 2023 18:23

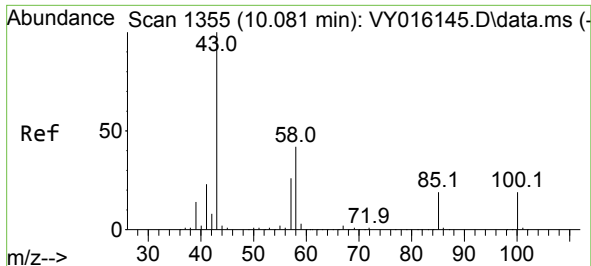
Tgt Ion: 98 Resp: 202527

Ion Ratio Lower Upper

98 100

100 66.0 50.1 75.1

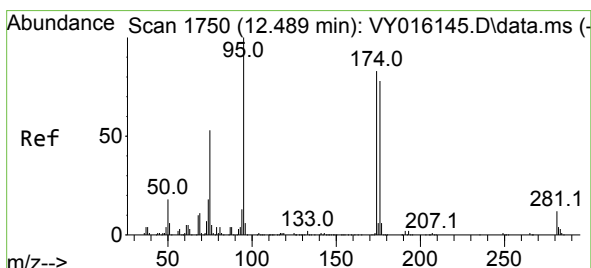
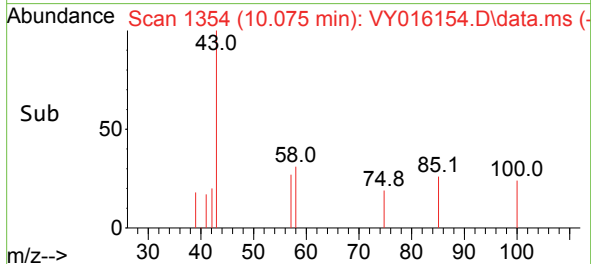
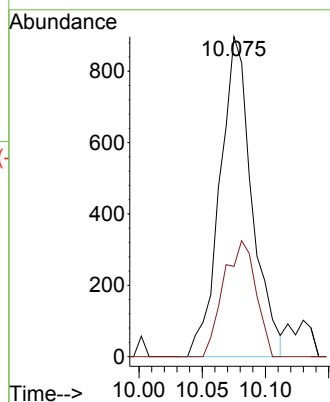
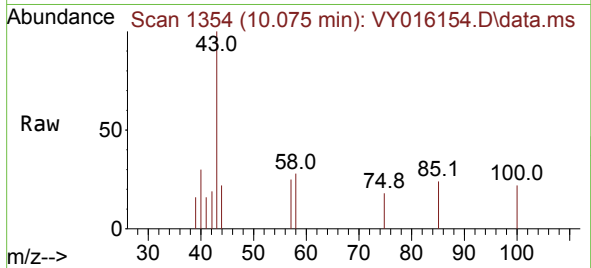




#51
4-Methyl-2-Pentanone
Concen: 2.421 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.006 min
Lab File: VY016154.D
Acq: 31 Oct 2023 18:23

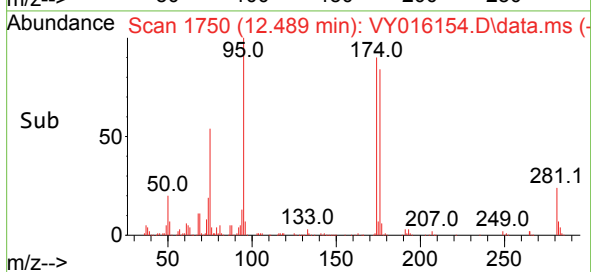
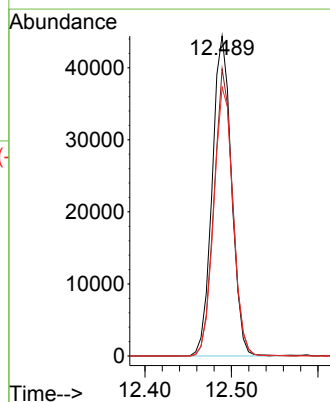
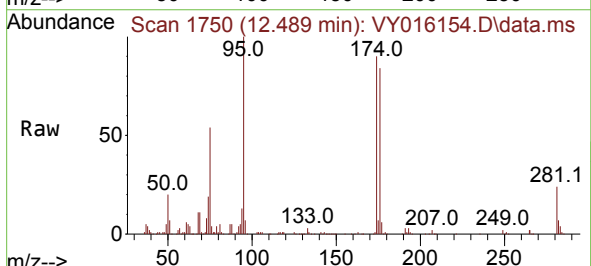
Instrument :
MSVOA_Y
ClientSampleId :

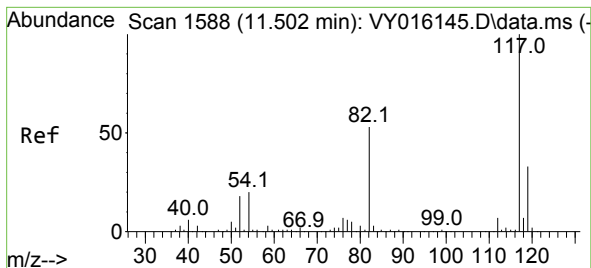
Tgt Ion: 43 Resp: 1585
Ion Ratio Lower Upper
43 100
58 36.3 29.0 43.6



#62
4-Bromofluorobenzene
Concen: 49.054 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016154.D
Acq: 31 Oct 2023 18:23

Tgt Ion: 95 Resp: 68590
Ion Ratio Lower Upper
95 100
174 86.8 0.0 178.2
176 84.1 0.0 173.8

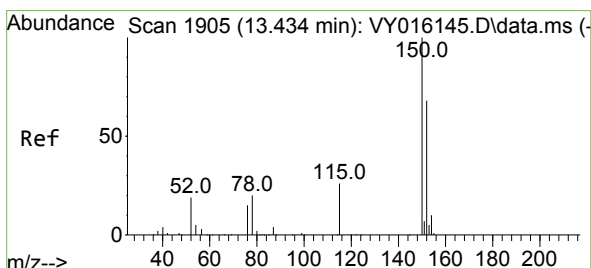
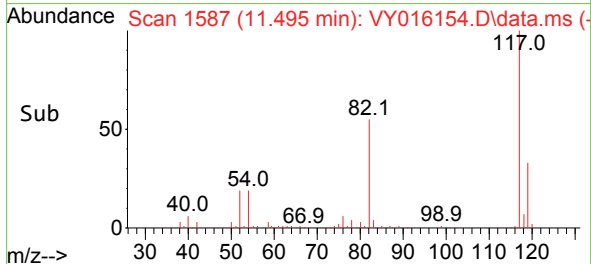
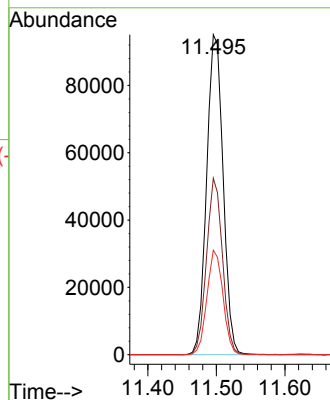
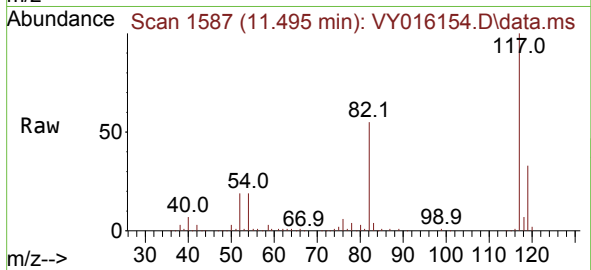




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016154.D
Acq: 31 Oct 2023 18:23

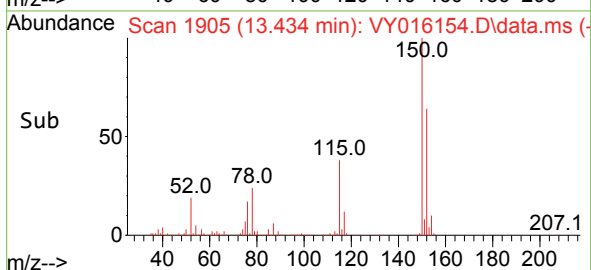
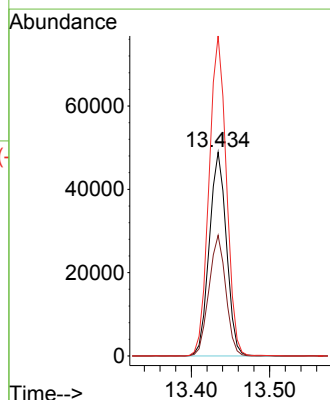
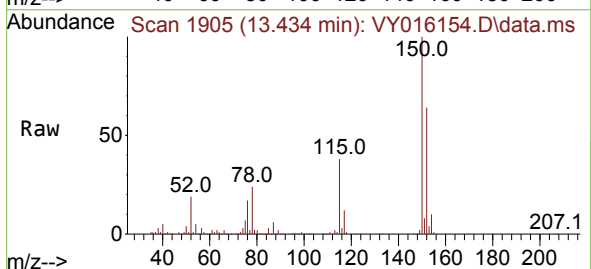
Instrument :
MSVOA_Y
ClientSampleId :

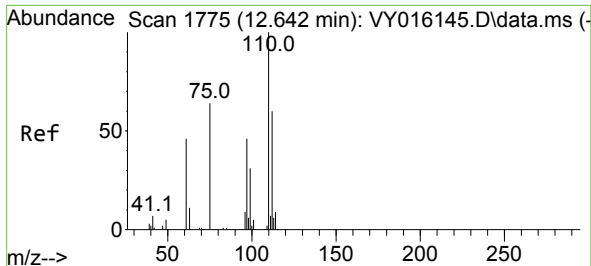
Tgt Ion:117 Resp: 159069
Ion Ratio Lower Upper
117 100
82 55.1 43.4 65.0
119 32.7 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VY016154.D
Acq: 31 Oct 2023 18:23

Tgt Ion:152 Resp: 74191
Ion Ratio Lower Upper
152 100
115 58.3 28.8 86.5
150 158.9 0.0 348.8

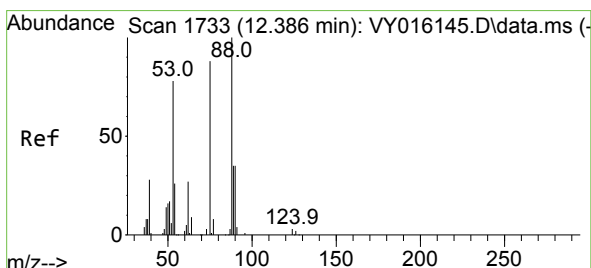
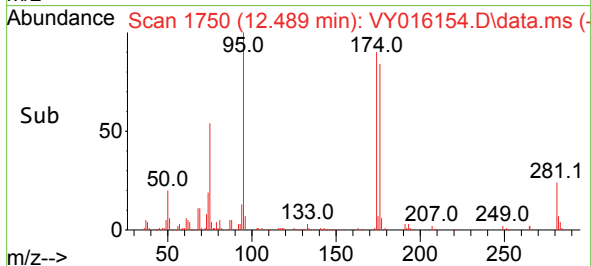
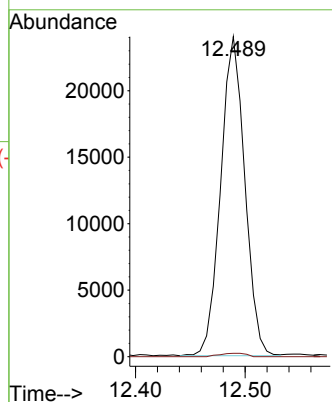
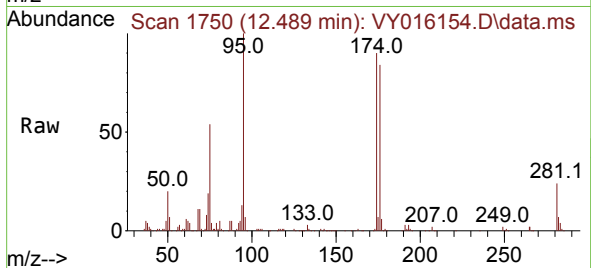




#76
1,2,3-Trichloropropane
Concen: 52.559 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.153 min
Lab File: VY016154.D
Acq: 31 Oct 2023 18:23

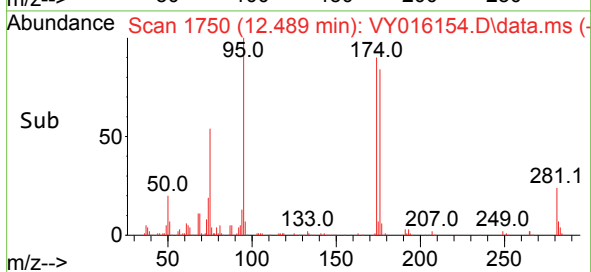
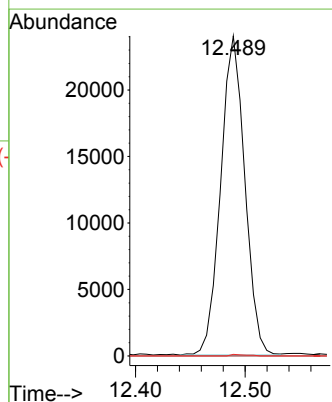
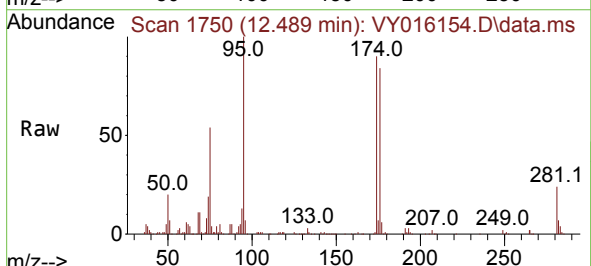
Instrument :
MSVOA_Y
ClientSampleId :

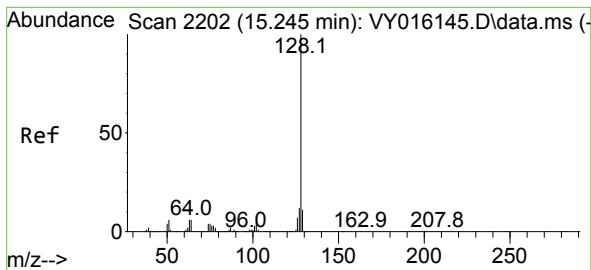
Tgt Ion: 75 Resp: 36721
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.960 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016154.D
Acq: 31 Oct 2023 18:23

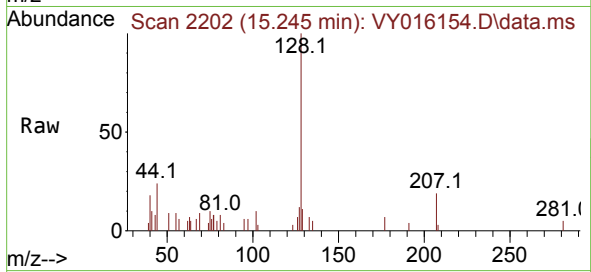
Tgt Ion: 75 Resp: 36721
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.3 37.4 56.0#





#95
Naphthalene
Concen: 1.049 ug/l
RT: 15.245 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY016154.D
Acq: 31 Oct 2023 18:23

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	2708
Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.8	16.2
129	10.0	8.6	13.0

