

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121923\
 Data File : VY016715.D
 Acq On : 19 Dec 2023 23:57
 Operator : SY/MD
 Sample : 05827-06
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 20 06:42:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 20 05:26:40 2023
 Response via : Initial Calibration

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

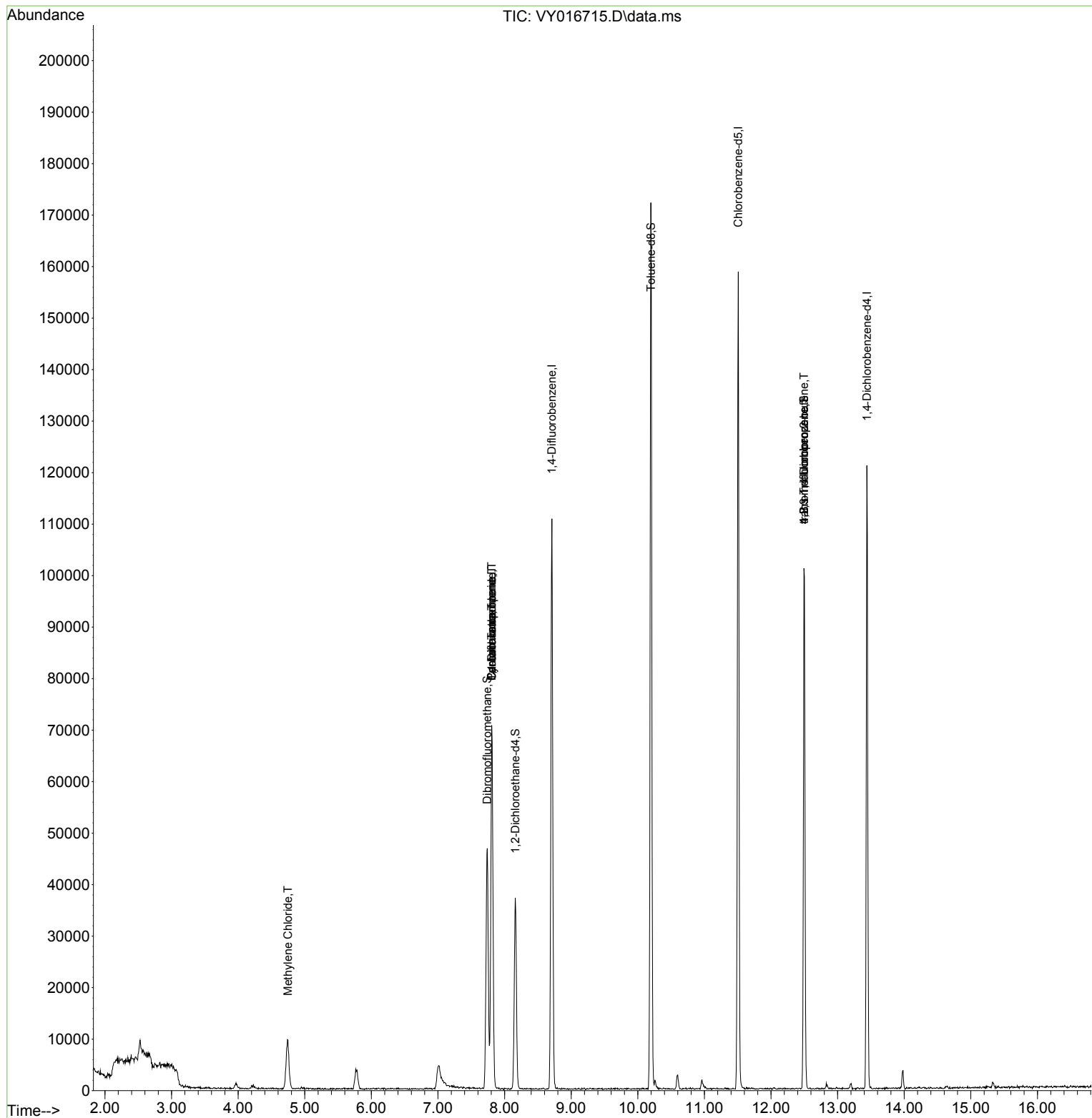
Internal Standards						
1) Pentafluorobenzene	7.807	168	57117	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.709	114	95258	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	84312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	32145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	29573	62.597	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.200%			
35) Dibromofluoromethane	7.740	113	32683	58.255	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.500%			
50) Toluene-d8	10.197	98	113847	56.032	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.060%			
62) 4-Bromofluorobenzene	12.495	95	26721	46.253	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.500%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.131	50	162	Below Cal	#	41
11) Tert butyl alcohol	4.948	59	147	Below Cal	#	73
16) Acetone	3.966	43	1876	Below Cal	#	81
20) Methylene Chloride	4.747	84	7228	9.903	ug/l	97
25) 2-Butanone	6.996	43	280	Below Cal	#	42
31) Cyclohexane	7.807	56	1032	1.335	ug/l	# 31
36) 1,1-Dichloropropene	7.807	75	4762	5.611	ug/l	# 47
38) Carbon Tetrachloride	7.807	117	5151	5.625	ug/l	# 18
76) 1,2,3-Trichloropropane	12.495	75	16017	57.322	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.495	75	16017	131.518	ug/l	# 18

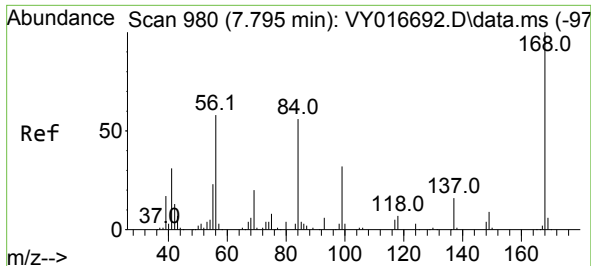
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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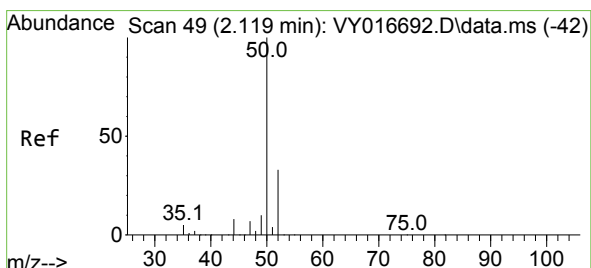
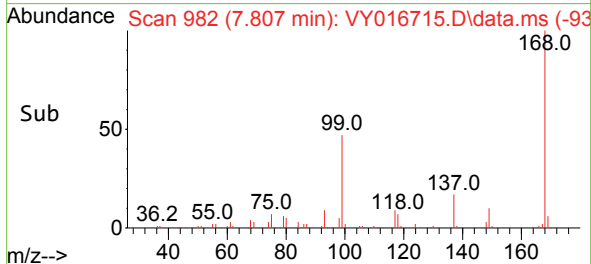
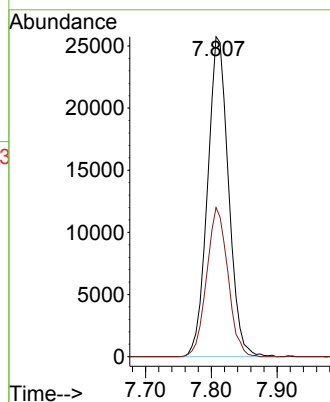
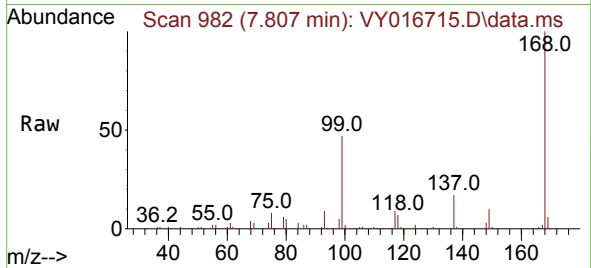




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016715.D
Acq: 19 Dec 2023 23:57

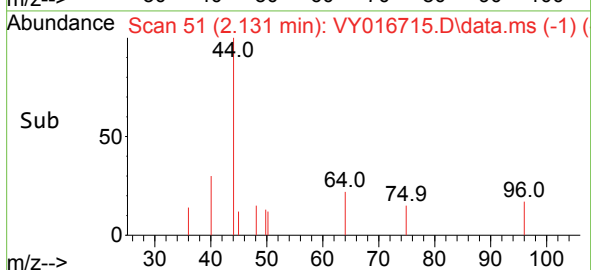
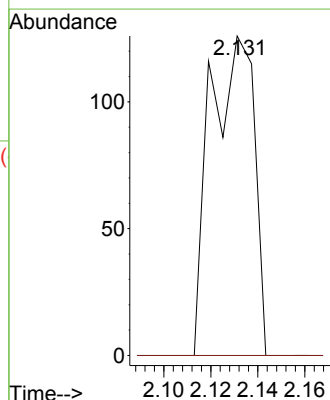
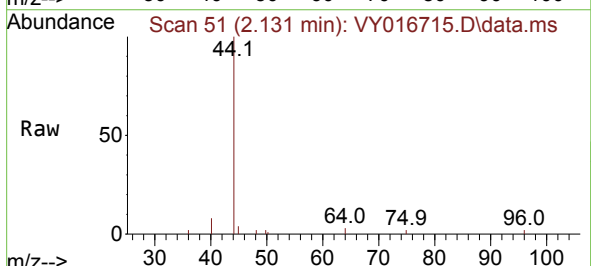
Instrument :
MSVOA_Y
ClientSampleId :

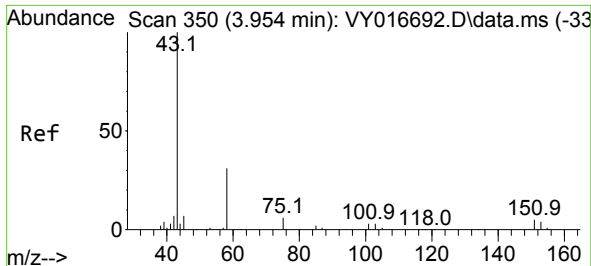
Tgt Ion:168 Resp: 57117
Ion Ratio Lower Upper
168 100
99 46.6 40.2 60.4



#3
Chloromethane
Concen: Below Cal
RT: 2.131 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY016715.D
Acq: 19 Dec 2023 23:57

Tgt Ion: 50 Resp: 162
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#





#16

Acetone

Concen: Below Cal

RT: 3.966 min Scan# 3

Delta R.T. 0.012 min

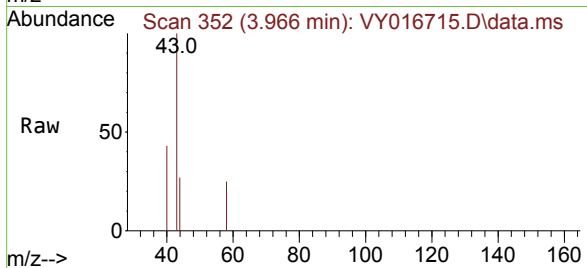
Lab File: VY016715.D

Acq: 19 Dec 2023 23:57

Instrument :

MSVOA_Y

ClientSampleId :

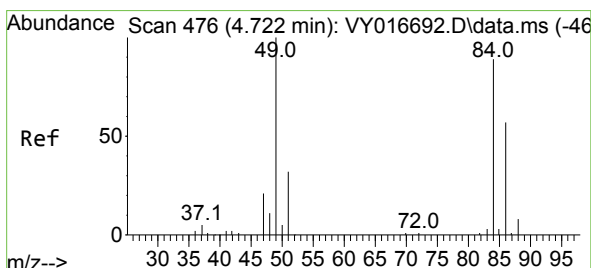
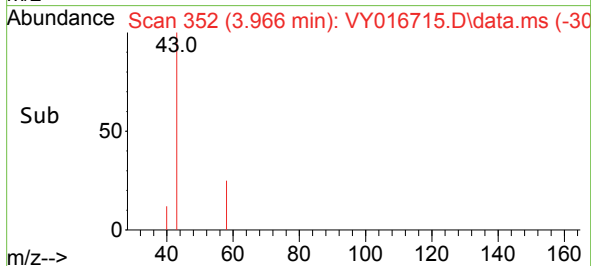
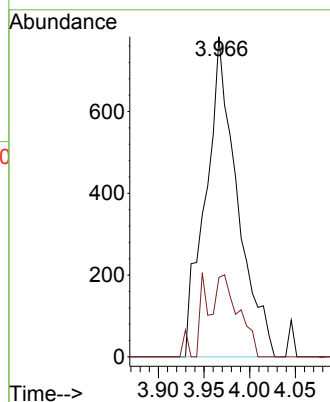


Tgt Ion: 43 Resp: 1876

Ion Ratio Lower Upper

43 100

58 24.8 29.0 43.4#



#20

Methylene Chloride

Concen: 9.903 ug/l

RT: 4.747 min Scan# 480

Delta R.T. 0.025 min

Lab File: VY016715.D

Acq: 19 Dec 2023 23:57

Tgt Ion: 84 Resp: 7228

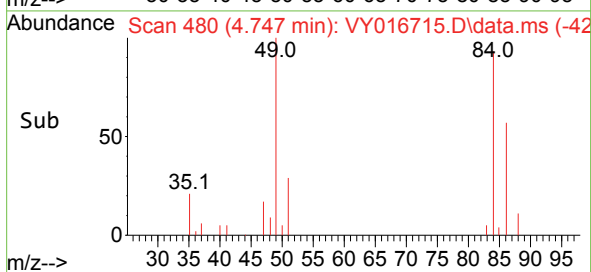
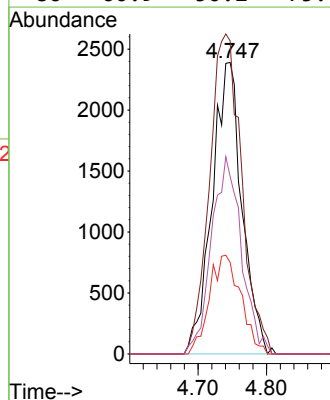
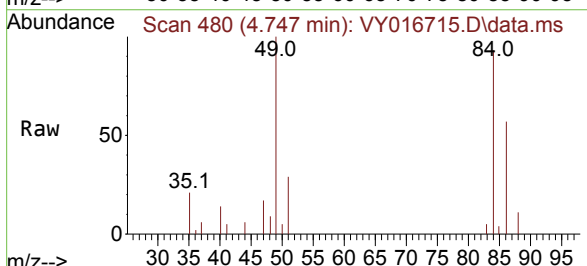
Ion Ratio Lower Upper

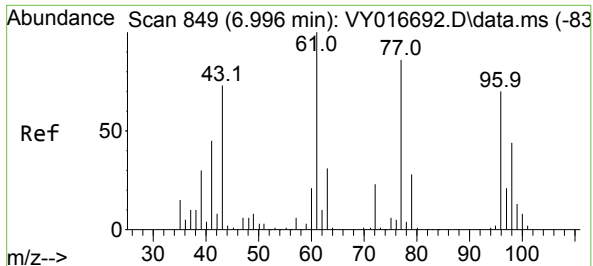
84 100

49 107.4 83.8 125.8

51 31.5 27.2 40.8

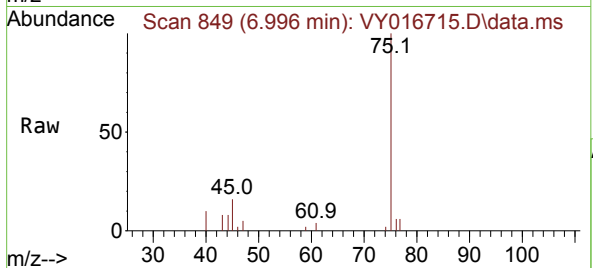
86 60.9 50.2 75.4



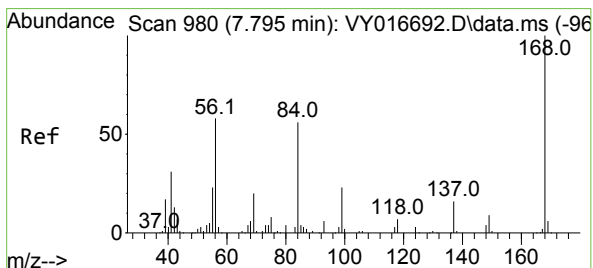
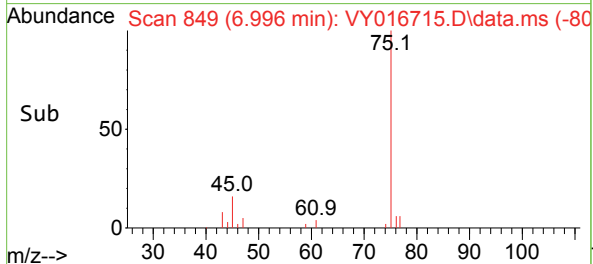
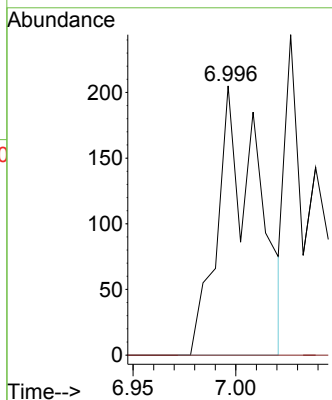


#25
2-Butanone
Concen: Below Cal
RT: 6.996 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY016715.D
Acq: 19 Dec 2023 23:57

Instrument :
MSVOA_Y
ClientSampleId :

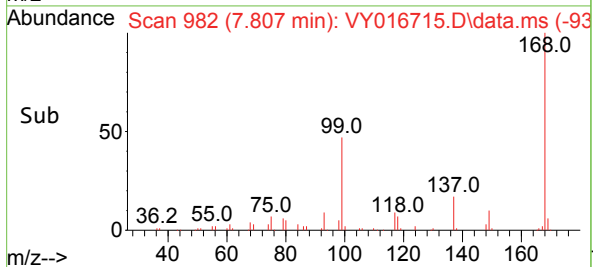
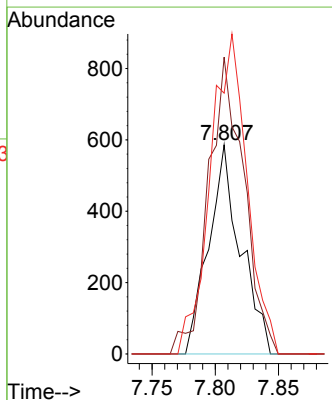
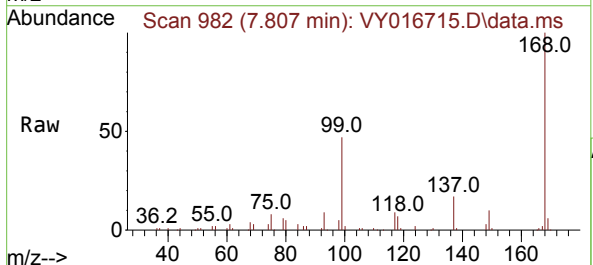


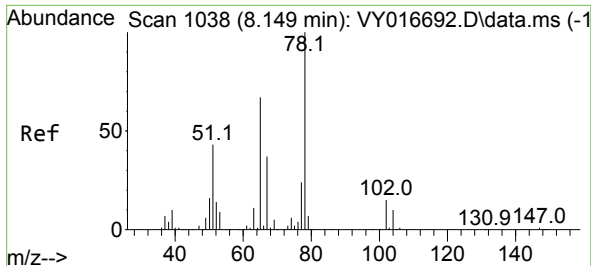
Tgt Ion: 43 Resp: 280
Ion Ratio Lower Upper
43 100
72 0.0 26.3 39.5#



#31
Cyclohexane
Concen: 1.335 ug/l
RT: 7.807 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY016715.D
Acq: 19 Dec 2023 23:57

Tgt Ion: 56 Resp: 1032
Ion Ratio Lower Upper
56 100
69 142.0 27.5 41.3#
84 124.7 78.1 117.1#





#33

1,2-Dichloroethane-d4

Concen: 62.597 ug/l

RT: 8.161 min Scan# 1130

Delta R.T. 0.012 min

Lab File: VY016715.D

Acq: 19 Dec 2023 23:57

Instrument :

MSVOA_Y

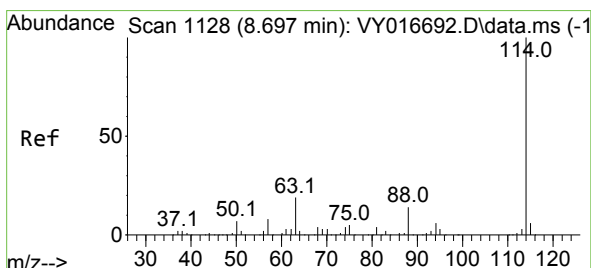
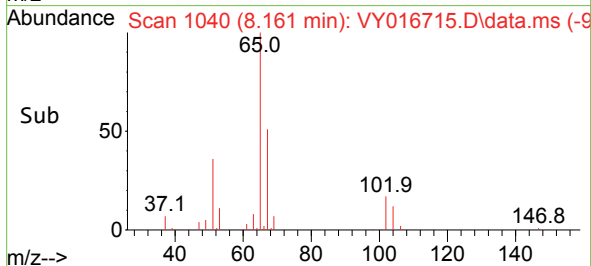
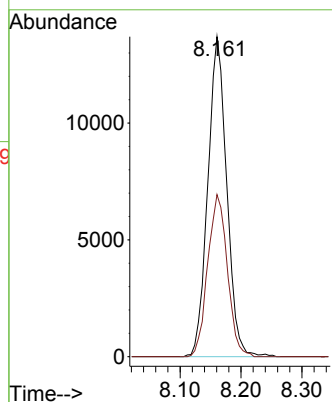
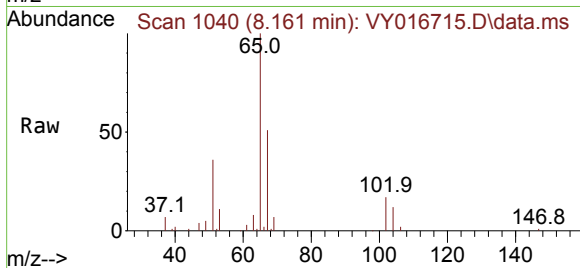
ClientSampleId :

Tgt Ion: 65 Resp: 29573

Ion Ratio Lower Upper

65 100

67 52.6 0.0 108.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1130

Delta R.T. 0.012 min

Lab File: VY016715.D

Acq: 19 Dec 2023 23:57

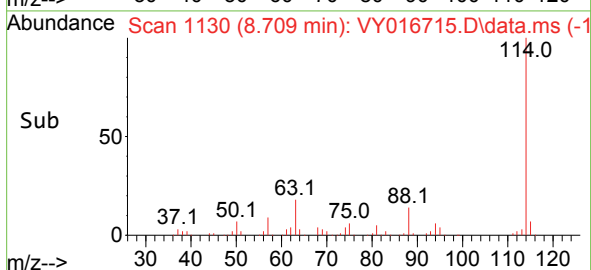
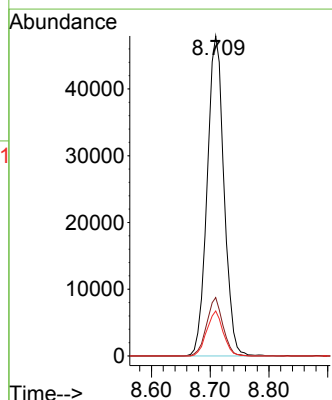
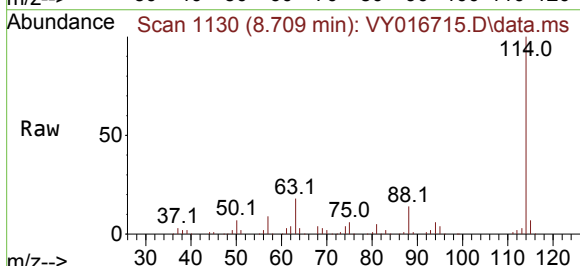
Tgt Ion: 114 Resp: 95258

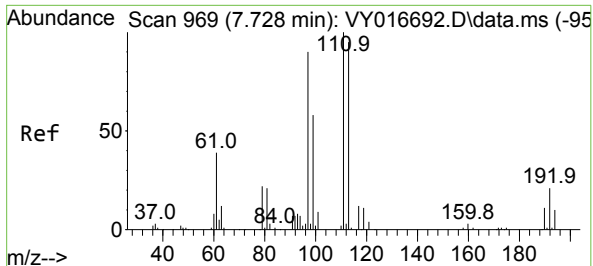
Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.0

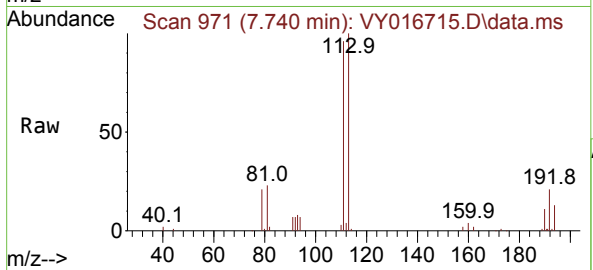
88 14.1 0.0 29.2



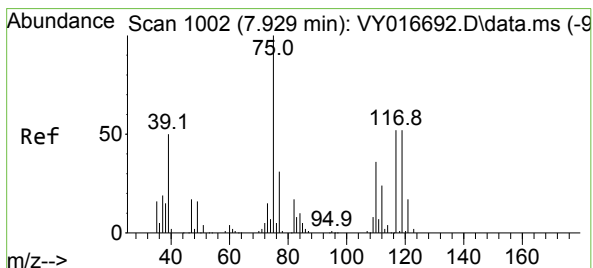
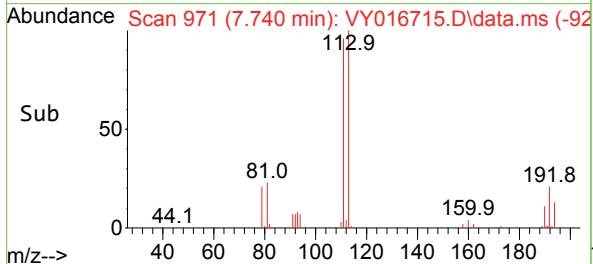
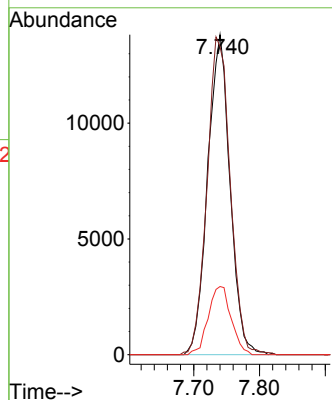


#35
Dibromofluoromethane
Concen: 58.255 ug/l
RT: 7.740 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016715.D
Acq: 19 Dec 2023 23:57

Instrument :
MSVOA_Y
ClientSampleId :

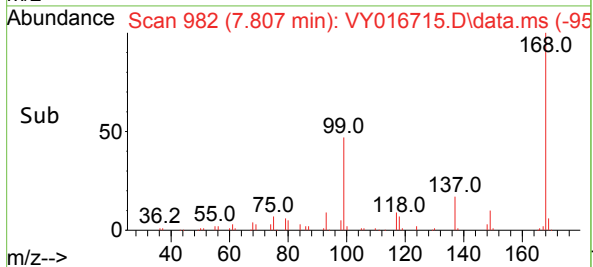
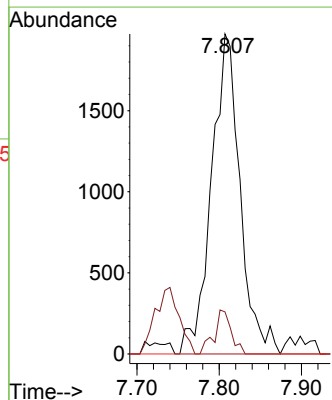
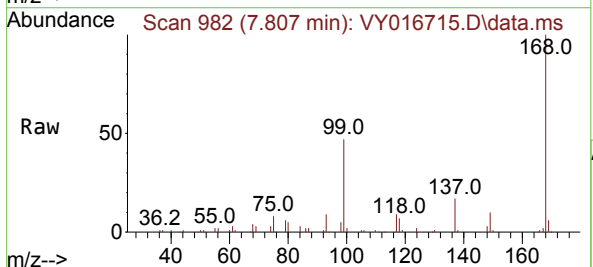


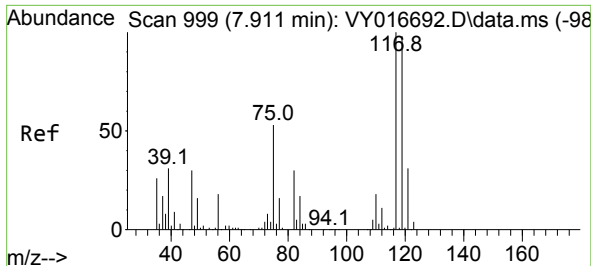
Tgt Ion:113 Resp: 32683
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 21.8 16.2 24.4



#36
1,1-Dichloropropene
Concen: 5.611 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY016715.D
Acq: 19 Dec 2023 23:57

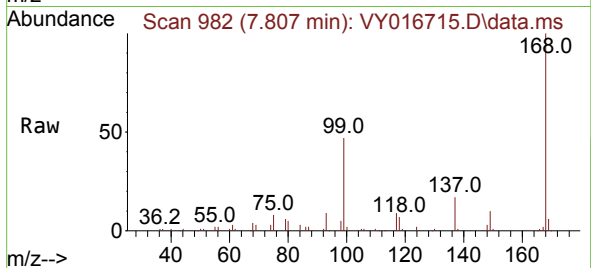
Tgt Ion: 75 Resp: 4762
Ion Ratio Lower Upper
75 100
110 8.2 18.9 56.9#
77 0.0 25.3 37.9#



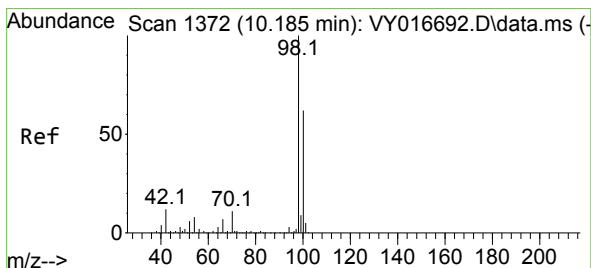
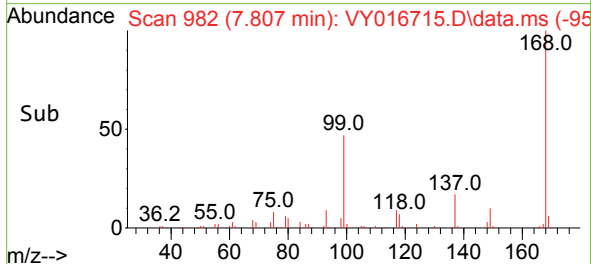
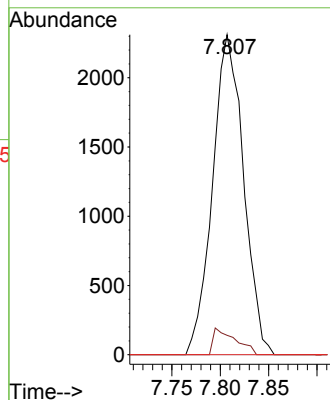


#38
Carbon Tetrachloride
Concen: 5.625 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY016715.D
Acq: 19 Dec 2023 23:57

Instrument :
MSVOA_Y
ClientSampleId :

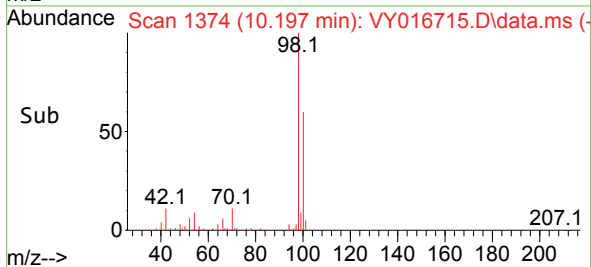
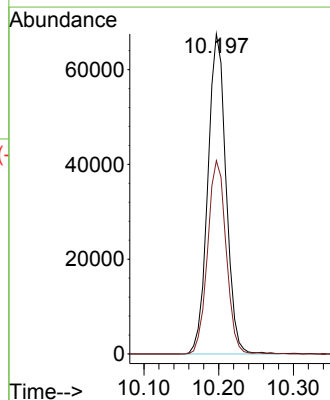
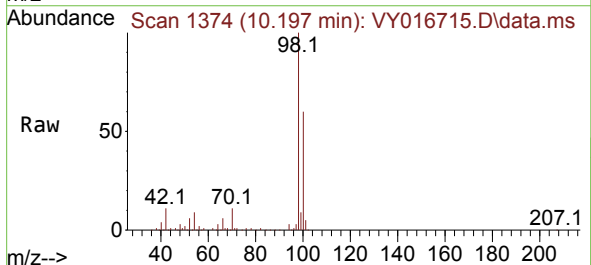


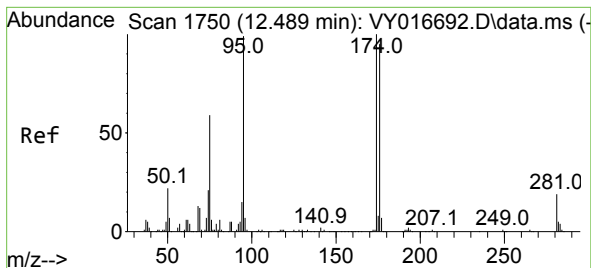
Tgt Ion:117 Resp: 5151
Ion Ratio Lower Upper
117 100
119 6.1 75.0 112.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 56.032 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.012 min
Lab File: VY016715.D
Acq: 19 Dec 2023 23:57

Tgt Ion: 98 Resp: 113847
Ion Ratio Lower Upper
98 100
100 61.6 52.5 78.7

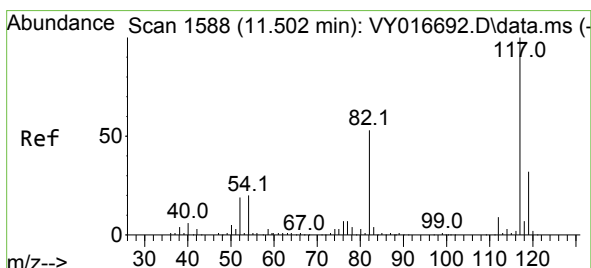
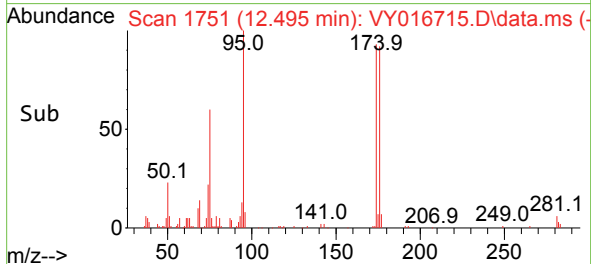
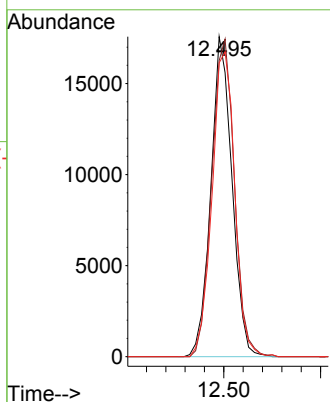
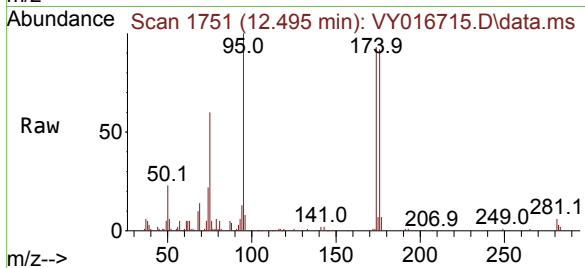




#62
4-Bromofluorobenzene
Concen: 46.253 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016715.D
Acq: 19 Dec 2023 23:57

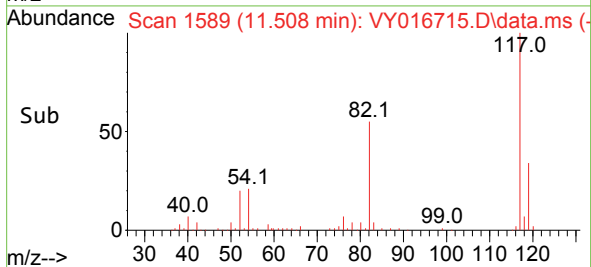
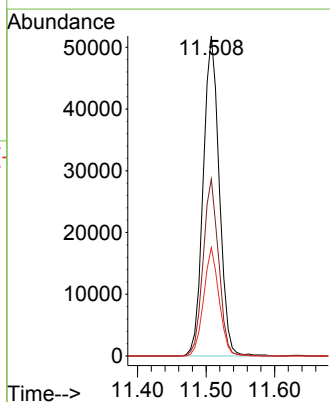
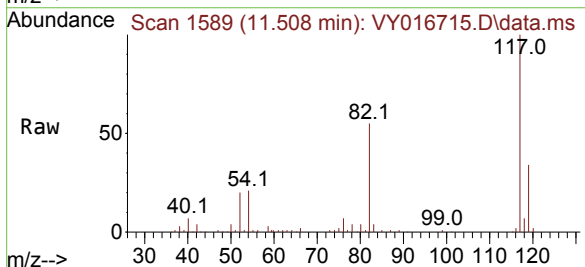
Instrument :
MSVOA_Y
ClientSampleId :

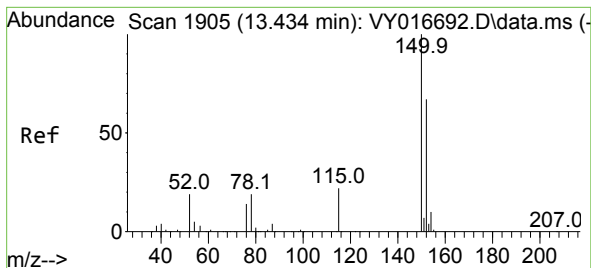
Tgt Ion: 95 Resp: 26721
Ion Ratio Lower Upper
95 100
174 106.0 0.0 181.0
176 102.2 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.006 min
Lab File: VY016715.D
Acq: 19 Dec 2023 23:57

Tgt Ion: 117 Resp: 84312
Ion Ratio Lower Upper
117 100
82 55.3 41.0 61.6
119 33.9 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY016715.D

Acq: 19 Dec 2023 23:57

Instrument :

MSVOA_Y

ClientSampleId :

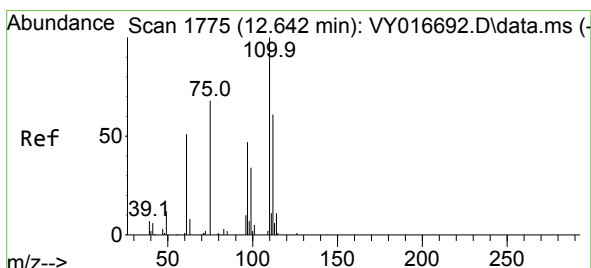
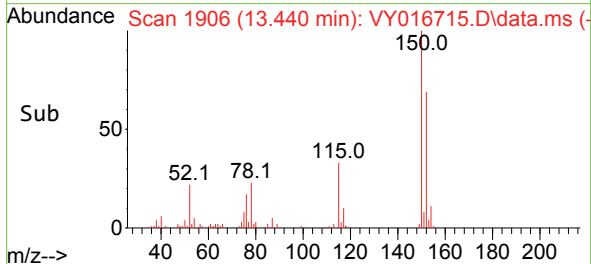
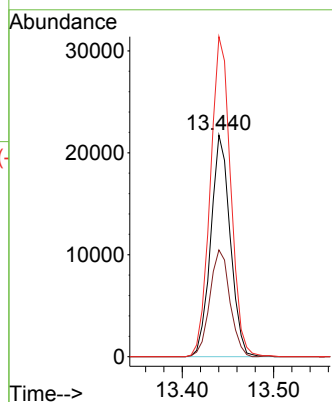
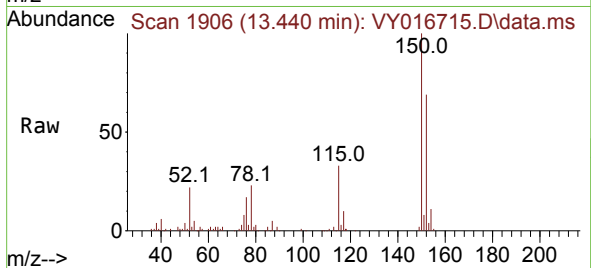
Tgt Ion:152 Resp: 32145

Ion Ratio Lower Upper

152 100

115 49.7 28.2 84.7

150 150.6 0.0 350.6



#76

1,2,3-Trichloropropane

Concen: 57.322 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.147 min

Lab File: VY016715.D

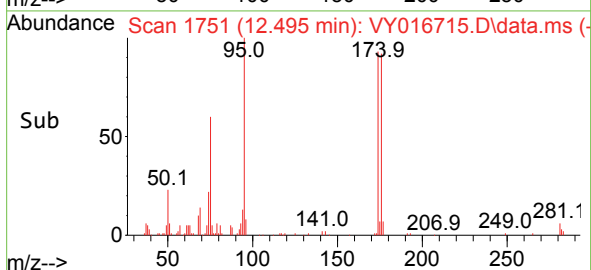
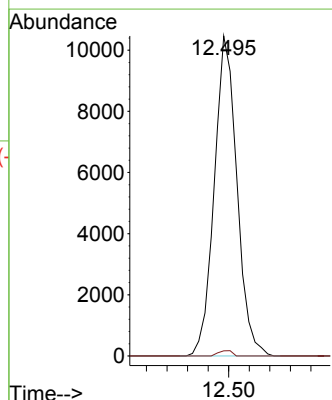
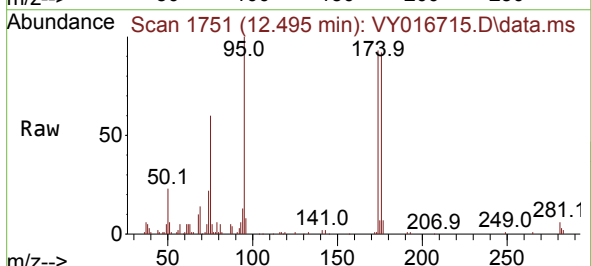
Acq: 19 Dec 2023 23:57

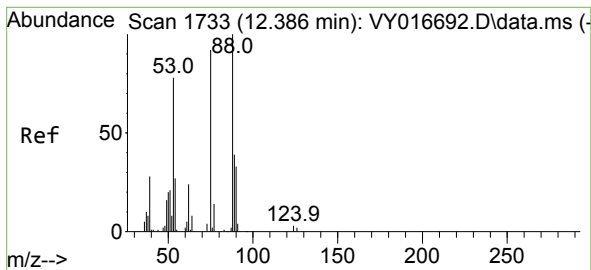
Tgt Ion: 75 Resp: 16017

Ion Ratio Lower Upper

75 100

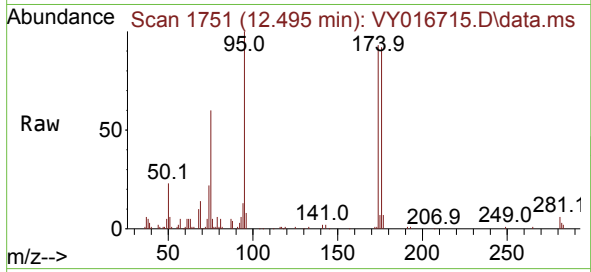
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.518 ug/l
 RT: 12.495 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY016715.D
 Acq: 19 Dec 2023 23:57

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	75	Resp:	16017
Ion	Ratio	Lower	Upper
75	100		
53	0.0	62.9	94.3#
89	0.0	35.8	53.8#

