

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081624\
 Data File : VY019095.D
 Acq On : 16 Aug 2024 15:51
 Operator : SY/MD
 Sample : P3580-02
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 16 23:15:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

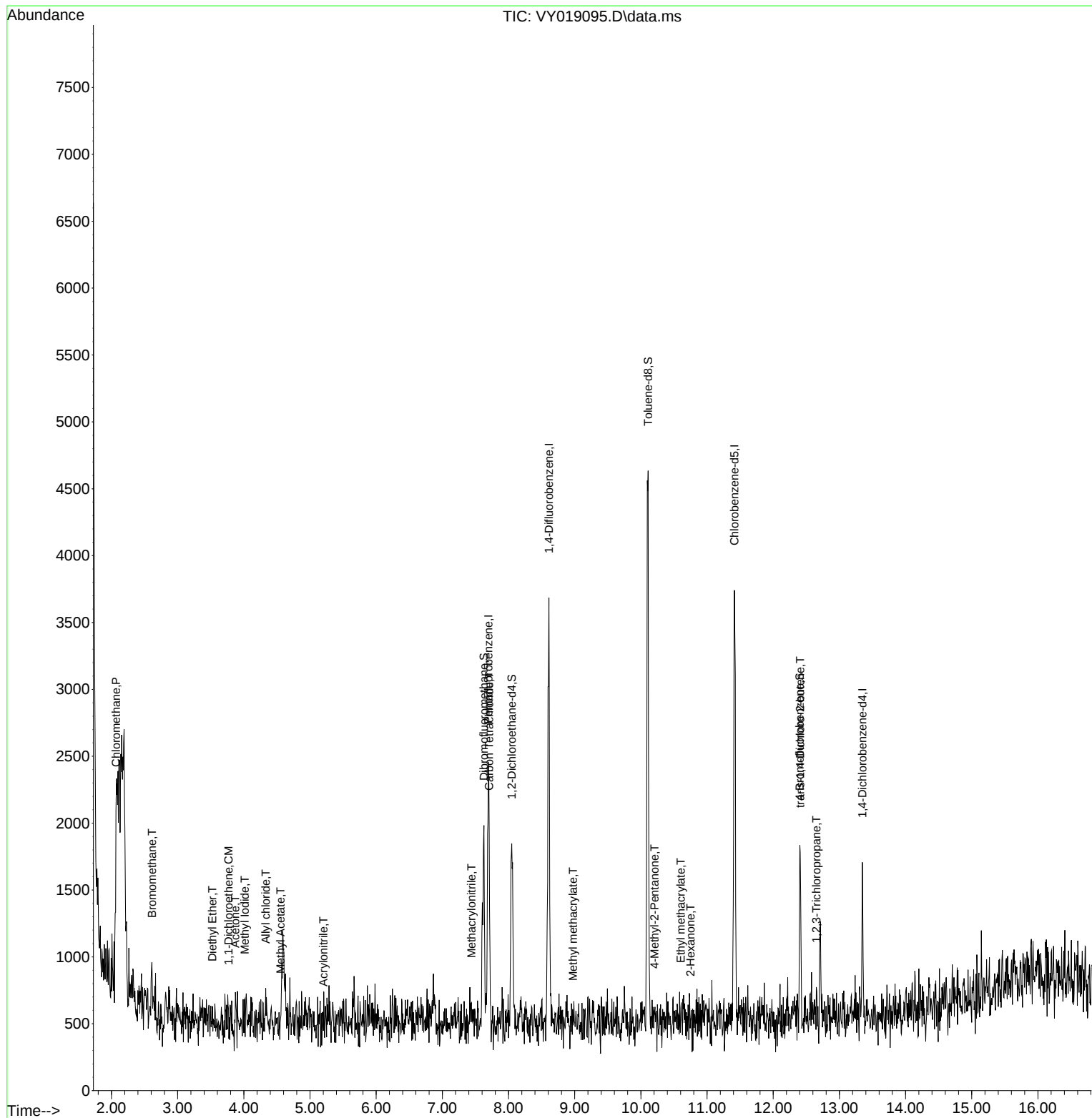
Internal Standards						
1) Pentafluorobenzene	7.695	168	1896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	3197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	2171	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	1341	70.557	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.120%	
35) Dibromofluoromethane	7.628	113	1031	49.321	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.640%	
50) Toluene-d8	10.109	98	3097	41.169	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 82.340%	
62) 4-Bromofluorobenzene	12.402	95	577	22.500	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 45.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	68	2.712	ug/l #	43
5) Bromomethane	2.611	94	172	3.610	ug/l #	42
8) Diethyl Ether	3.525	74	19	1.880	ug/l #	8
10) Methyl Iodide	4.013	142	69	3.382	ug/l #	42
12) 1,1-Dichloroethene	3.769	96	20	1.057	ug/l #	1
13) Acrolein	3.403	56	18	Below Cal	#	15
14) Allyl chloride	4.330	41	34	1.352	ug/l #	19
15) Acrylonitrile	5.202	53	26	6.287	ug/l #	18
16) Acetone	3.873	43	63	17.874	ug/l #	36
18) Methyl Acetate	4.555	43	50	4.622	ug/l #	46
20) Methylene Chloride	4.616	84	141	Below Cal	#	21
38) Carbon Tetrachloride	7.707	117	161	4.840	ug/l #	13
41) Methacrylonitrile	7.439	41	20	2.881	ug/l #	15
48) Methyl methacrylate	8.975	41	21	1.832	ug/l #	1
51) 4-Methyl-2-Pentanone	10.207	43	33	2.417	ug/l #	31
56) Ethyl methacrylate	10.603	69	22	1.026	ug/l #	33
59) 2-Hexanone	10.749	43	21	2.239	ug/l #	19
76) 1,2,3-Trichloropropane	12.651	75	30	11.837	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	275	267.967	ug/l #	16

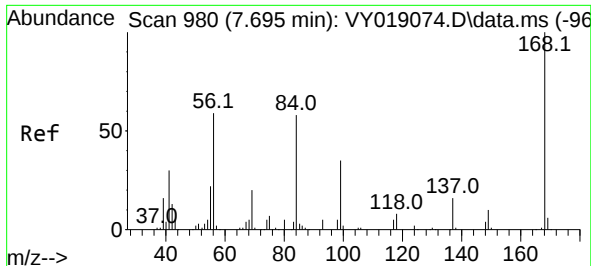
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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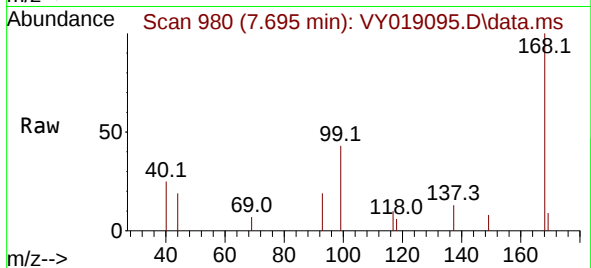
Quant Time: Aug 16 23:15:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
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QLast Update : Fri Aug 16 05:10:30 2024
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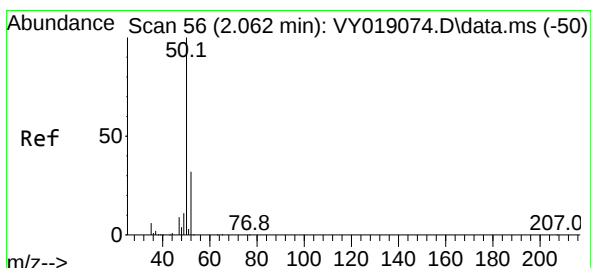
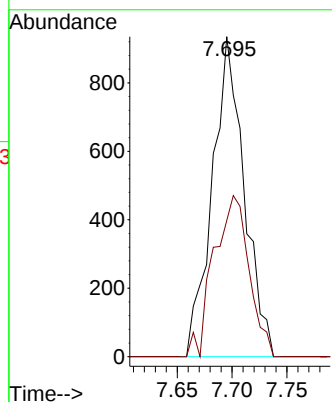
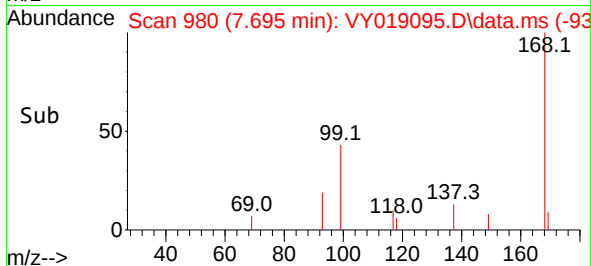


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019095.D
Acq: 16 Aug 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :

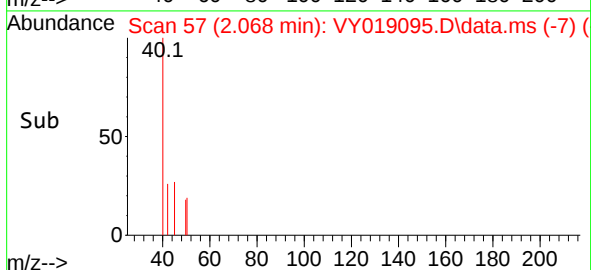
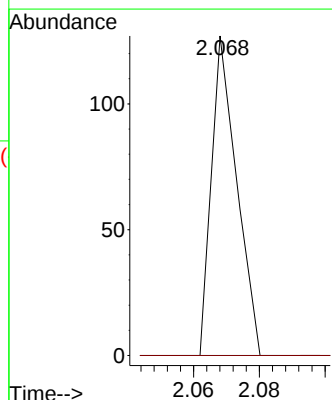
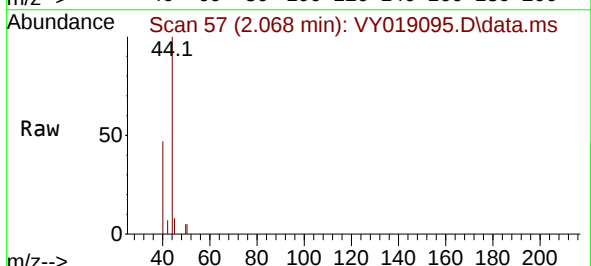


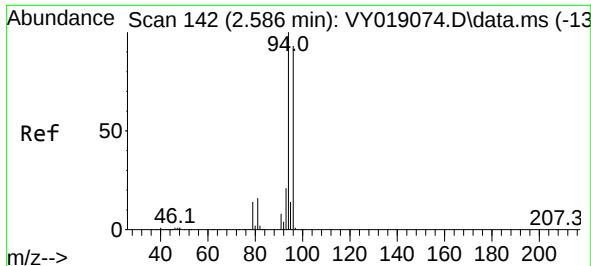
Tgt Ion:168 Resp: 1896
Ion Ratio Lower Upper
168 100
99 42.6 39.1 58.7



#3
Chloromethane
Concen: 2.712 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.006 min
Lab File: VY019095.D
Acq: 16 Aug 2024 15:51

Tgt Ion: 50 Resp: 68
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

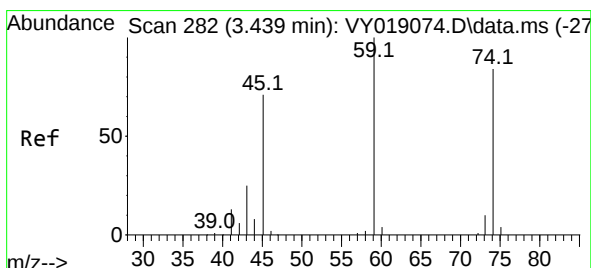
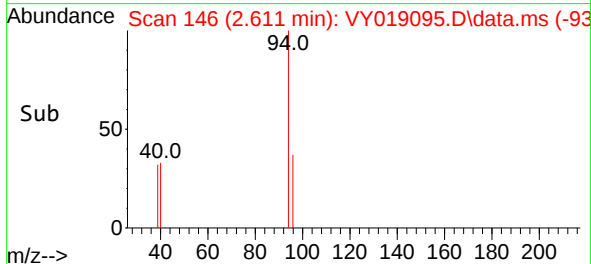
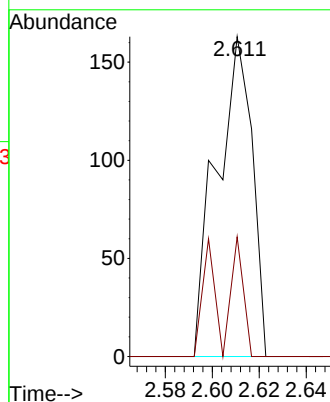
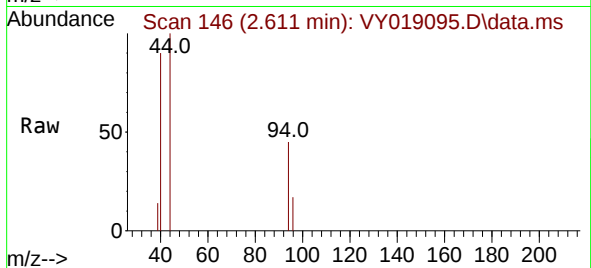




#5
Bromomethane
Concen: 3.610 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.025 min
Lab File: VY019095.D
Acq: 16 Aug 2024 15:51

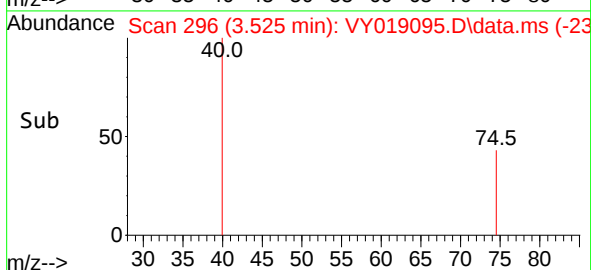
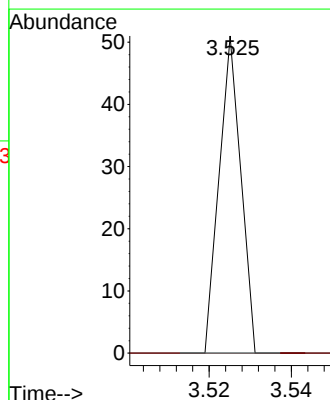
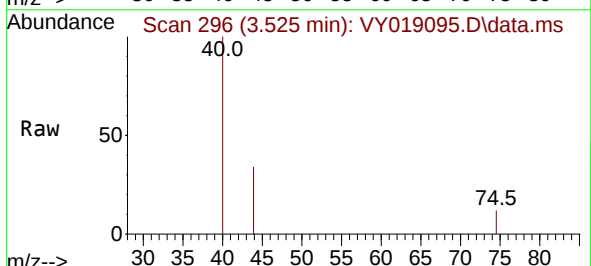
Instrument :
MSVOA_Y
ClientSampleId :

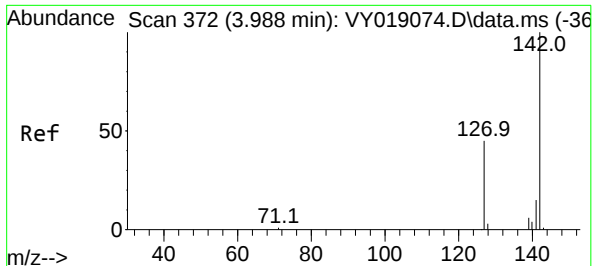
Tgt Ion: 94 Resp: 172
Ion Ratio Lower Upper
94 100
96 37.4 74.1 111.1#



#8
Diethyl Ether
Concen: 1.880 ug/l
RT: 3.525 min Scan# 296
Delta R.T. 0.086 min
Lab File: VY019095.D
Acq: 16 Aug 2024 15:51

Tgt Ion: 74 Resp: 19
Ion Ratio Lower Upper
74 100
45 0.0 41.3 124.1#





#10

Methyl Iodide

Concen: 3.382 ug/l

RT: 4.013 min Scan# 31

Delta R.T. 0.025 min

Lab File: VY019095.D

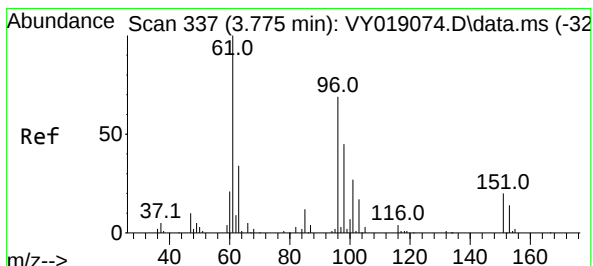
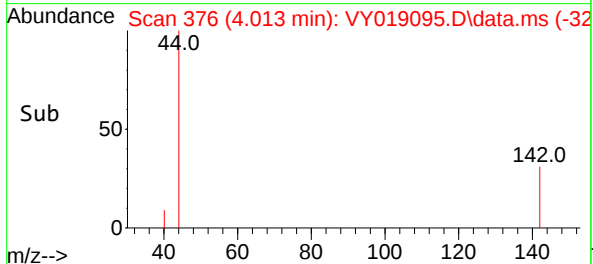
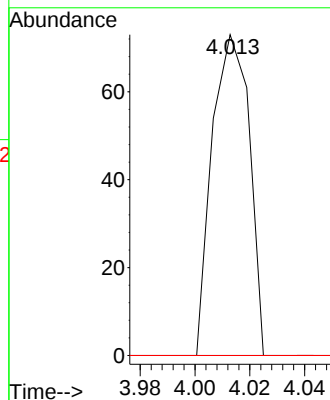
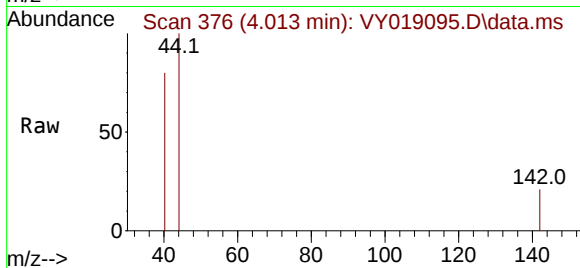
Acq: 16 Aug 2024 15:51

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:142	Resp:	69
Ion	Ratio	Lower Upper
142	100	
127	0.0	32.8 49.2#
141	0.0	11.4 17.2#



#12

1,1-Dichloroethene

Concen: 1.057 ug/l

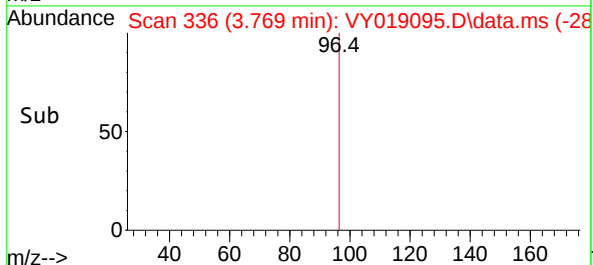
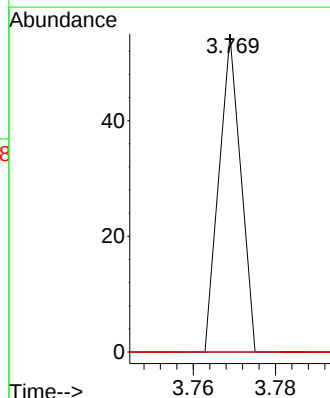
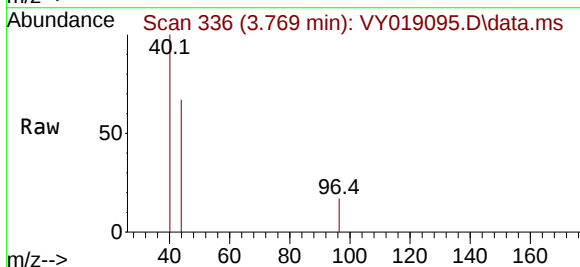
RT: 3.769 min Scan# 336

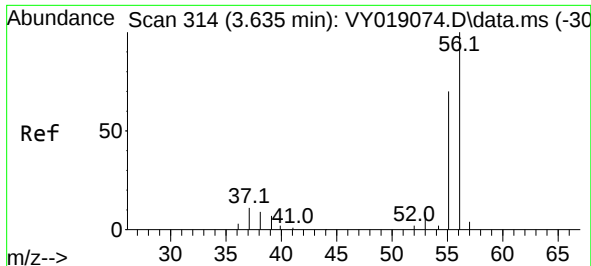
Delta R.T. -0.006 min

Lab File: VY019095.D

Acq: 16 Aug 2024 15:51

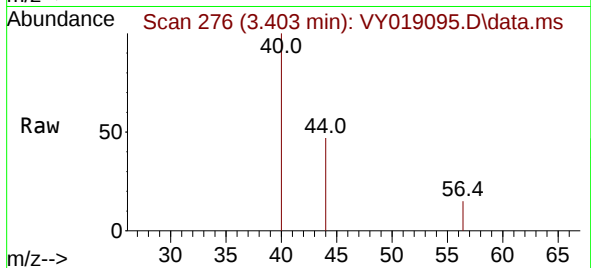
Tgt Ion: 96	Resp:	20
Ion	Ratio	Lower Upper
96	100	
61	0.0	114.6 171.8#
98	0.0	50.8 76.2#



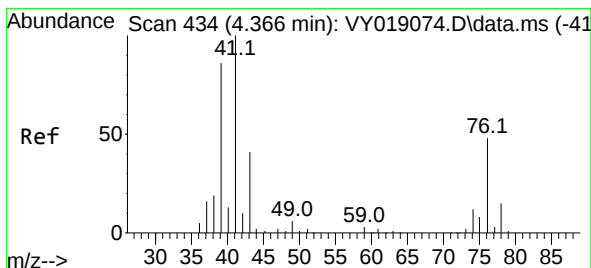
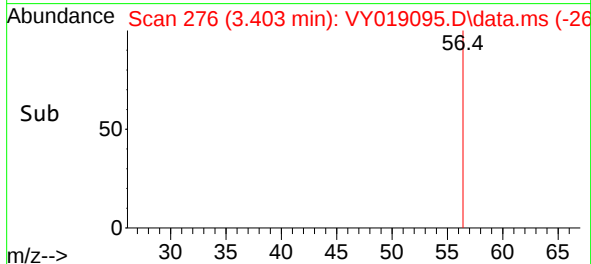
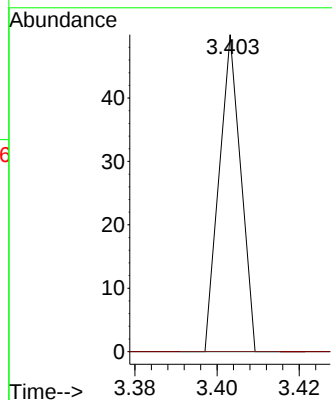


#13
Acrolein
Concen: Below Cal
RT: 3.403 min Scan# 21
Delta R.T. -0.232 min
Lab File: VY019095.D
Acq: 16 Aug 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :

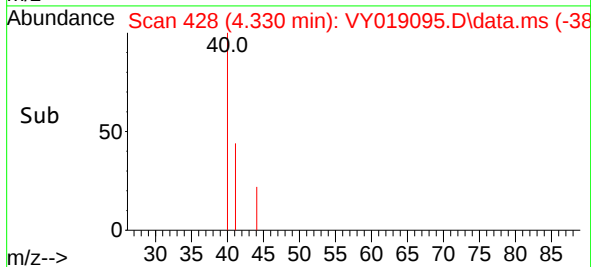
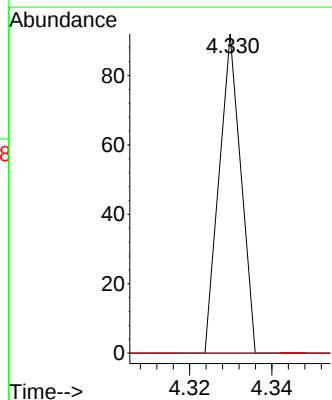
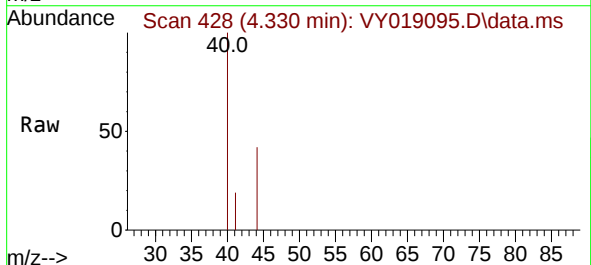


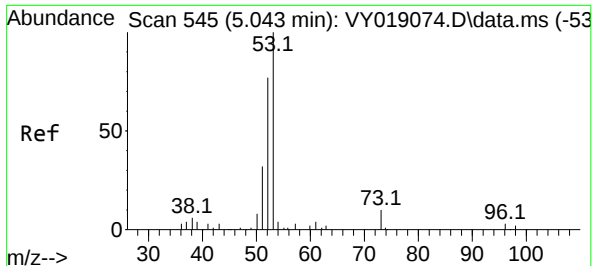
Tgt Ion: 56 Resp: 18
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#14
Allyl chloride
Concen: 1.352 ug/l
RT: 4.330 min Scan# 428
Delta R.T. -0.036 min
Lab File: VY019095.D
Acq: 16 Aug 2024 15:51

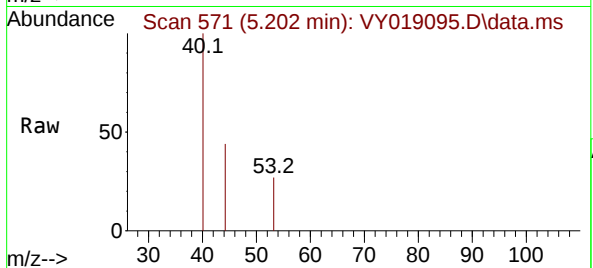
Tgt Ion: 41 Resp: 34
Ion Ratio Lower Upper
41 100
39 0.0 58.3 87.5#
76 0.0 39.0 58.6#



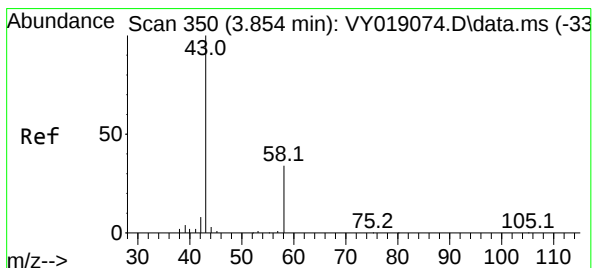
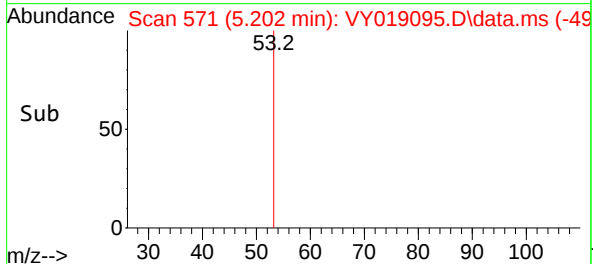
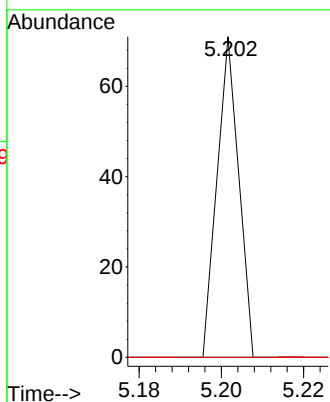


#15
Acrylonitrile
Concen: 6.287 ug/l
RT: 5.202 min Scan# 51
Delta R.T. 0.159 min
Lab File: VY019095.D
Acq: 16 Aug 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :

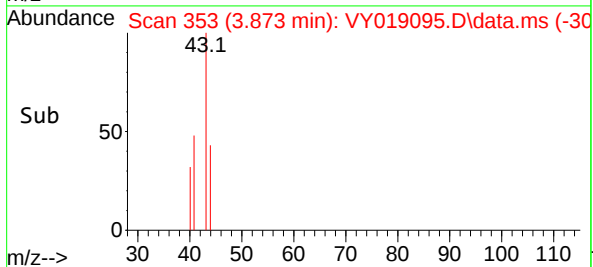
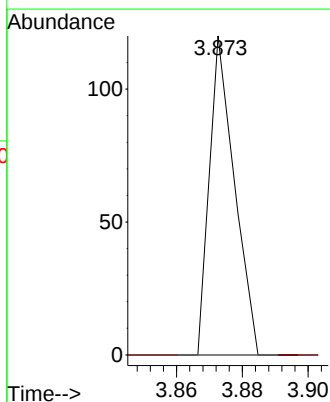
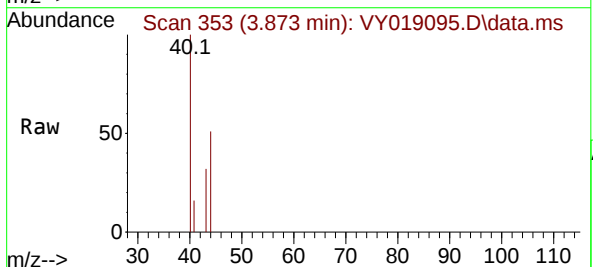


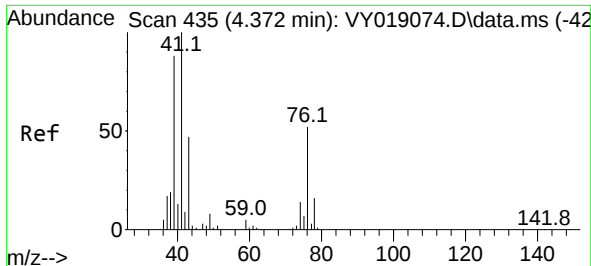
Tgt Ion: 53 Resp: 26
Ion Ratio Lower Upper
53 100
52 0.0 64.7 97.1#
51 0.0 28.4 42.6#



#16
Acetone
Concen: 17.874 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.019 min
Lab File: VY019095.D
Acq: 16 Aug 2024 15:51

Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#

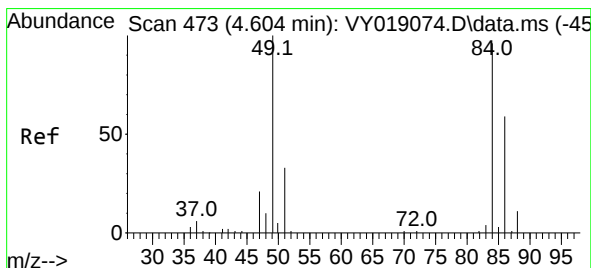
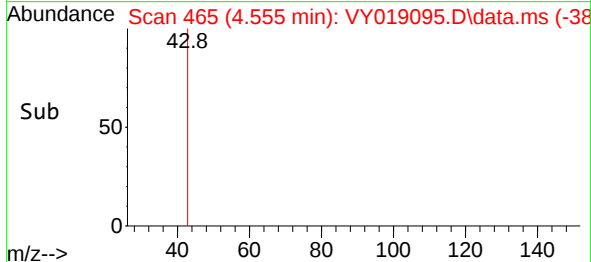
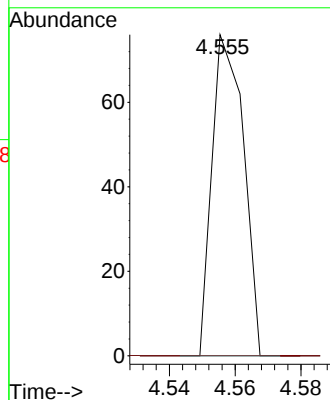
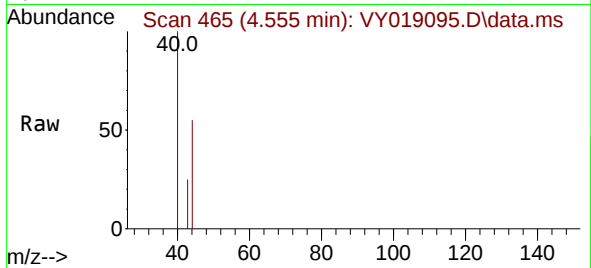




#18
Methyl Acetate
Concen: 4.622 ug/l
RT: 4.555 min Scan# 41
Delta R.T. 0.183 min
Lab File: VY019095.D
Acq: 16 Aug 2024 15:51

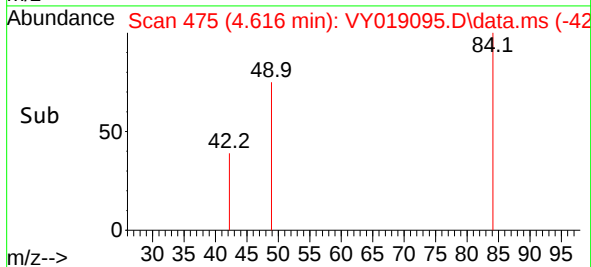
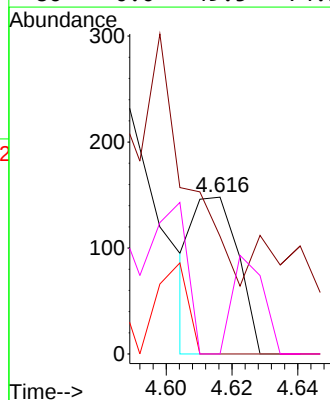
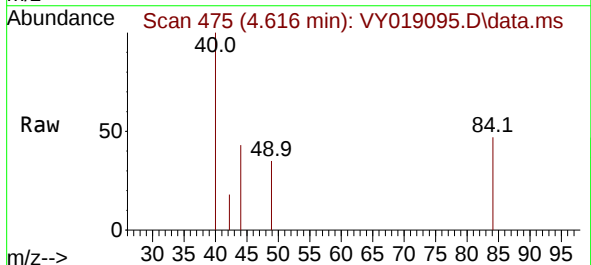
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MSVOA_Y
ClientSampleId :

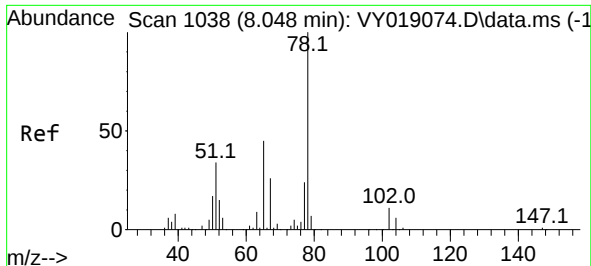
Tgt Ion: 43 Resp: 50
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY019095.D
Acq: 16 Aug 2024 15:51

Tgt Ion: 84 Resp: 141
Ion Ratio Lower Upper
84 100
49 18.2 84.4 126.6#
51 0.0 26.0 39.0#
86 0.0 49.5 74.3#





#33

1,2-Dichloroethane-d4

Concen: 70.557 ug/l

RT: 8.049 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY019095.D

Acq: 16 Aug 2024 15:51

Instrument :

MSVOA_Y

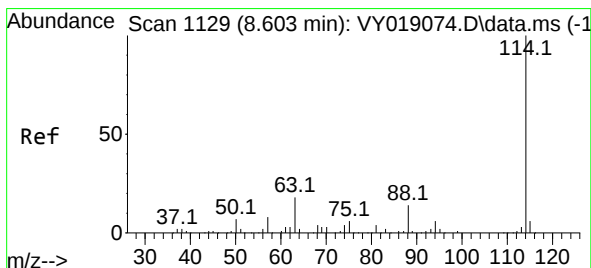
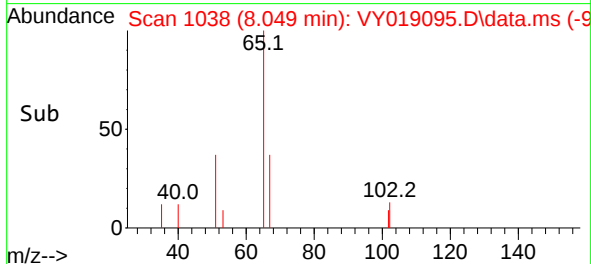
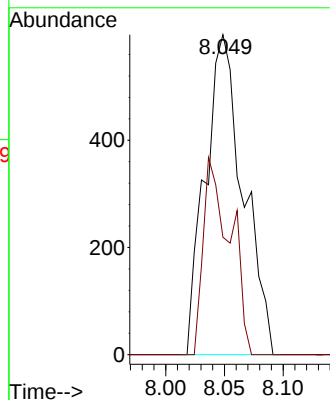
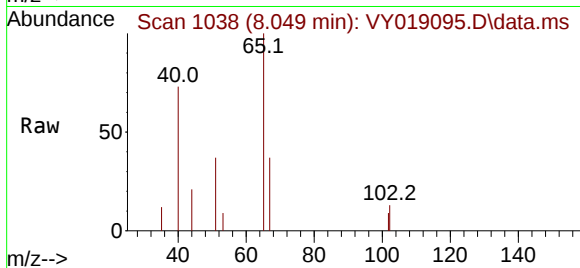
ClientSampleId :

Tgt Ion: 65 Resp: 1341

Ion Ratio Lower Upper

65 100

67 43.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019095.D

Acq: 16 Aug 2024 15:51

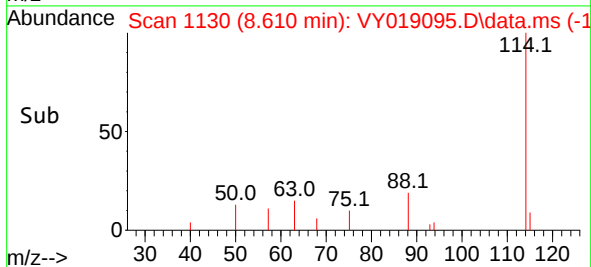
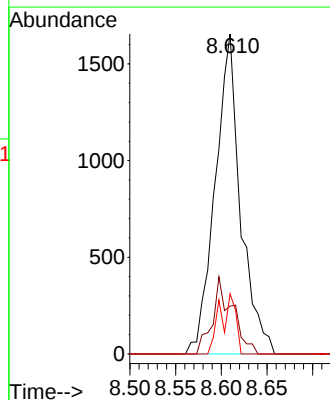
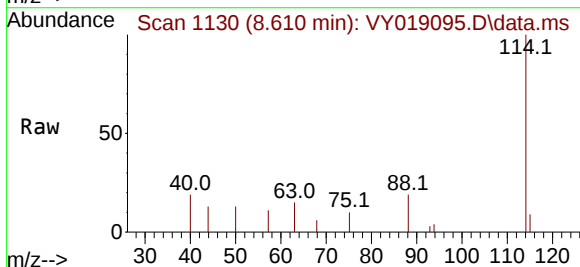
Tgt Ion: 114 Resp: 3197

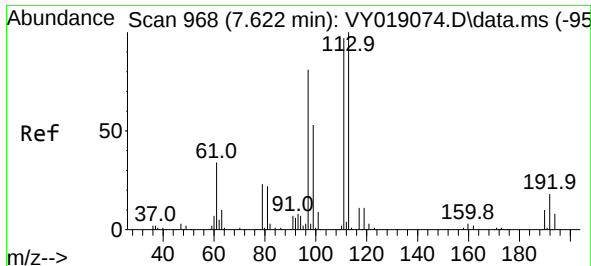
Ion Ratio Lower Upper

114 100

63 14.9 0.0 35.0

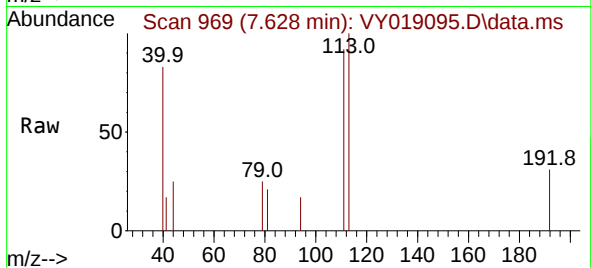
88 18.8 0.0 27.2



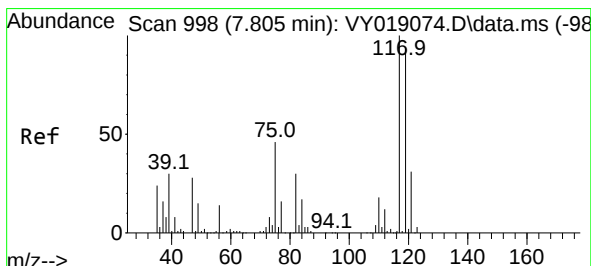
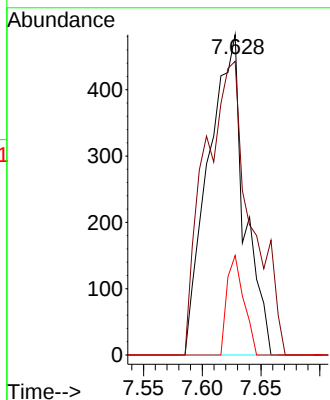
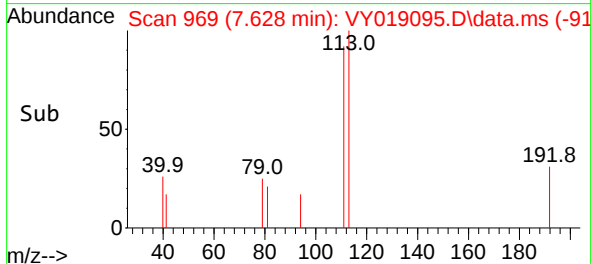


#35
Dibromofluoromethane
Concen: 49.321 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019095.D
Acq: 16 Aug 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :

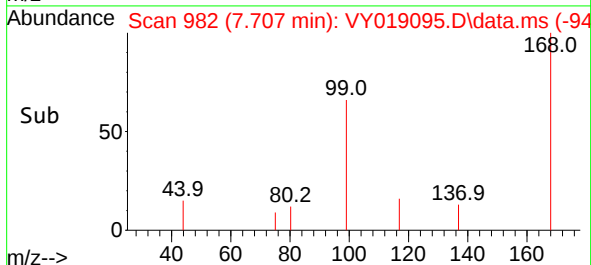
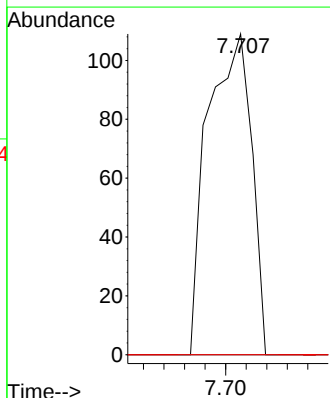
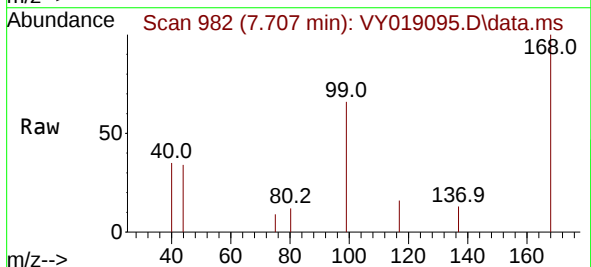


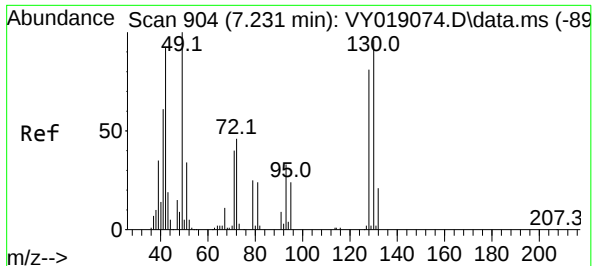
Tgt Ion:113 Resp: 1031
Ion Ratio Lower Upper
113 100
111 117.3 82.2 123.4
192 14.5 15.9 23.9#



#38
Carbon Tetrachloride
Concen: 4.840 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.097 min
Lab File: VY019095.D
Acq: 16 Aug 2024 15:51

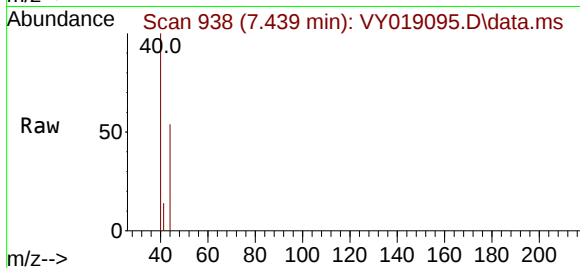
Tgt Ion:117 Resp: 161
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



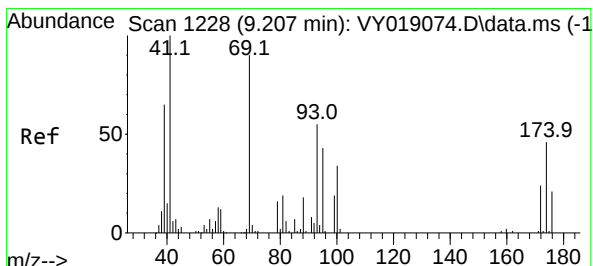
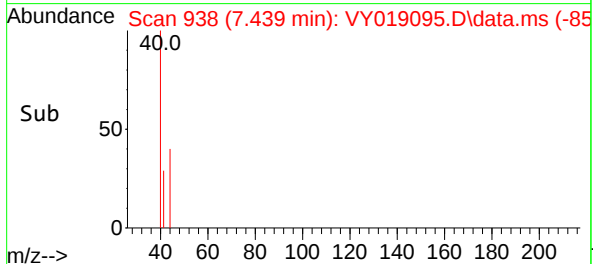
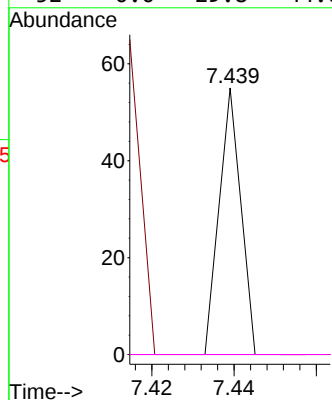


#41
Methacrylonitrile
Concen: 2.881 ug/l
RT: 7.439 min Scan# 91
Delta R.T. 0.208 min
Lab File: VY019095.D
Acq: 16 Aug 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :

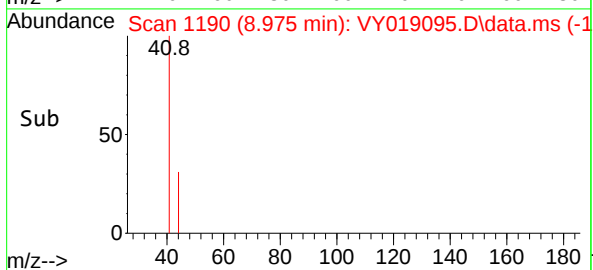
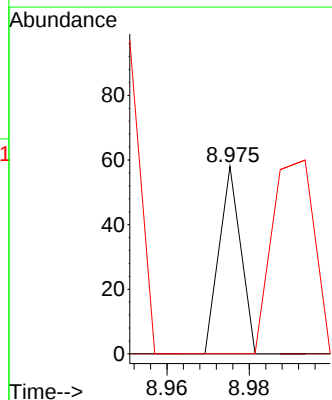
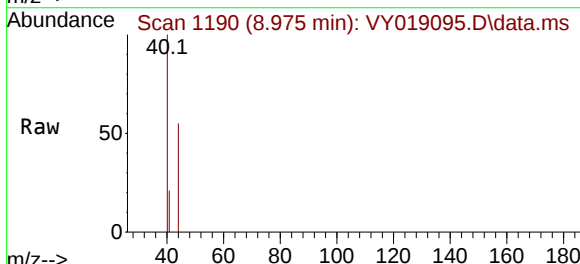


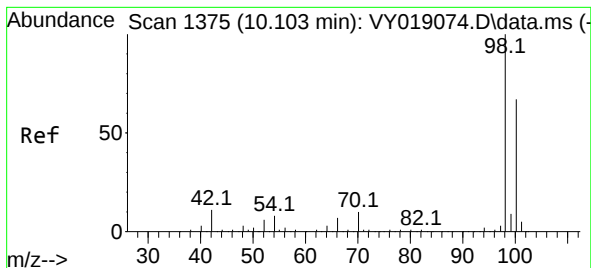
Tgt Ion:	41	Resp:	20
Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.0	72.0#
67	0.0	75.1	112.7#
52	0.0	29.8	44.6#



#48
Methyl methacrylate
Concen: 1.832 ug/l
RT: 8.975 min Scan# 1190
Delta R.T. -0.231 min
Lab File: VY019095.D
Acq: 16 Aug 2024 15:51

Tgt Ion:	41	Resp:	21
Ion	Ratio	Lower	Upper
41	100		
69	0.0	84.1	126.1#
39	204.8	43.6	65.4#

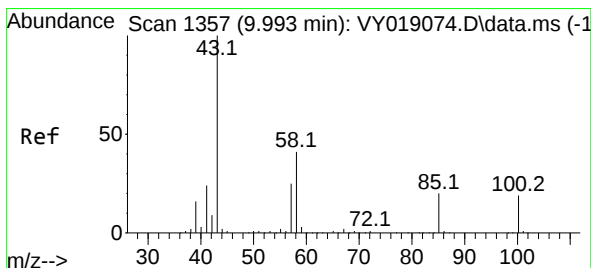
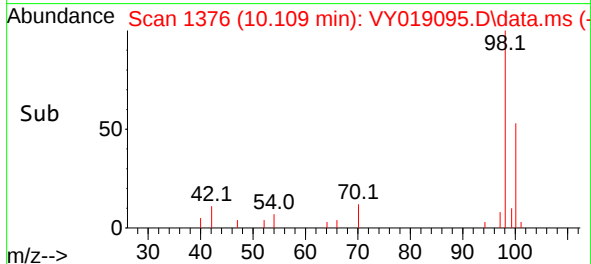
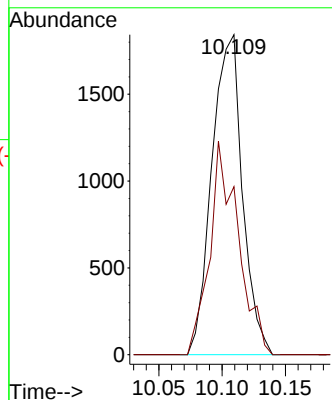
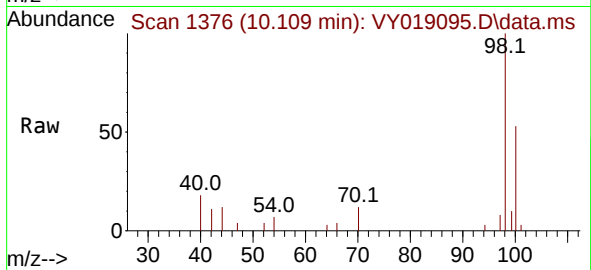




#50
Toluene-d8
Concen: 41.169 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY019095.D
Acq: 16 Aug 2024 15:51

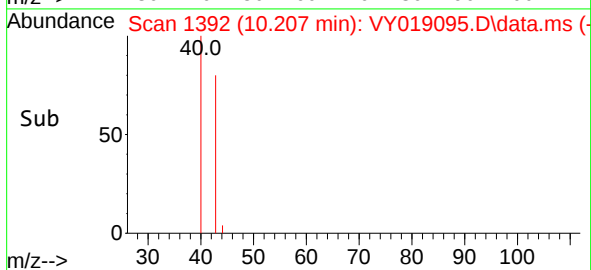
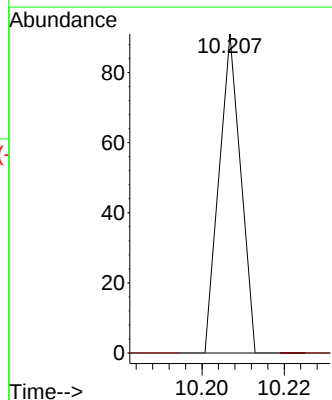
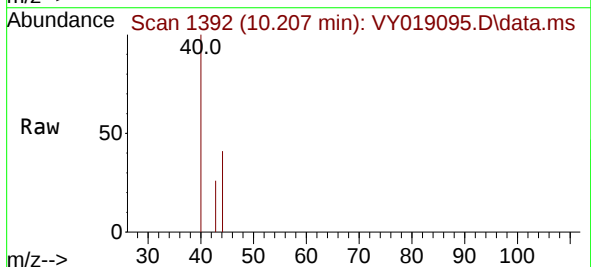
Instrument :
MSVOA_Y
ClientSampleId :

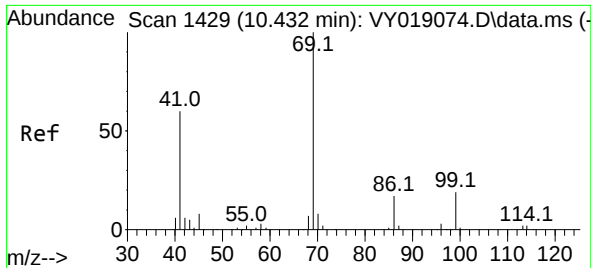
Tgt Ion: 98 Resp: 3097
Ion Ratio Lower Upper
98 100
100 62.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.417 ug/l
RT: 10.207 min Scan# 1392
Delta R.T. 0.214 min
Lab File: VY019095.D
Acq: 16 Aug 2024 15:51

Tgt Ion: 43 Resp: 33
Ion Ratio Lower Upper
43 100
58 0.0 35.7 53.5#

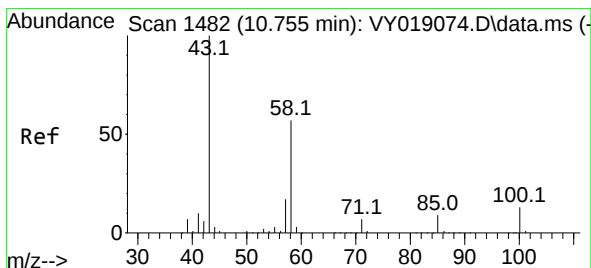
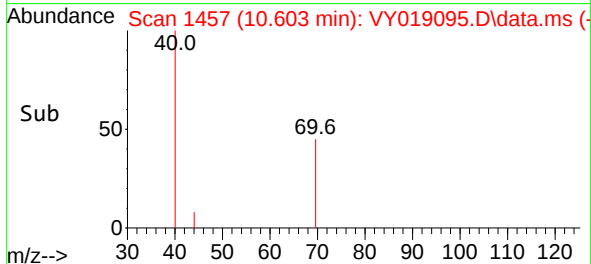
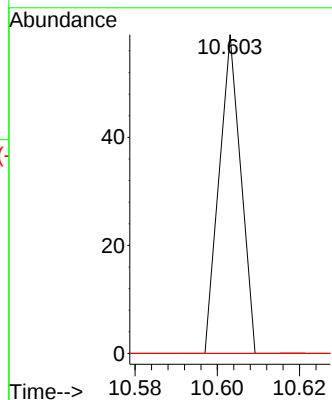
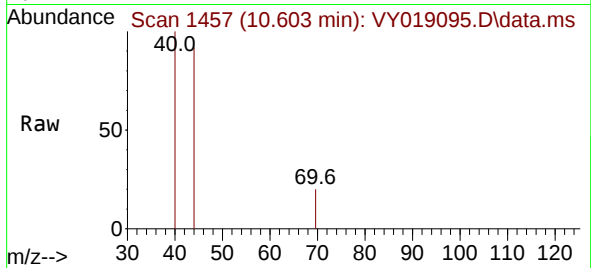




#56
Ethyl methacrylate
Concen: 1.026 ug/l
RT: 10.603 min Scan# 1457
Delta R.T. 0.171 min
Lab File: VY019095.D
Acq: 16 Aug 2024 15:51

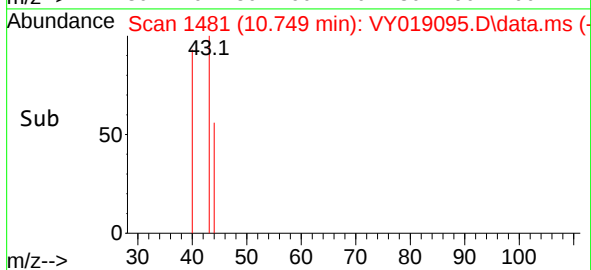
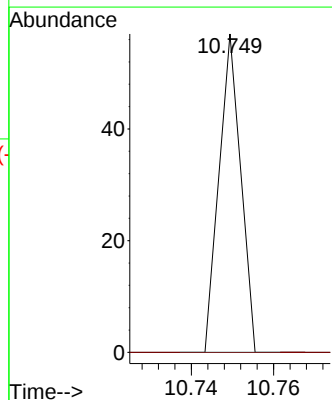
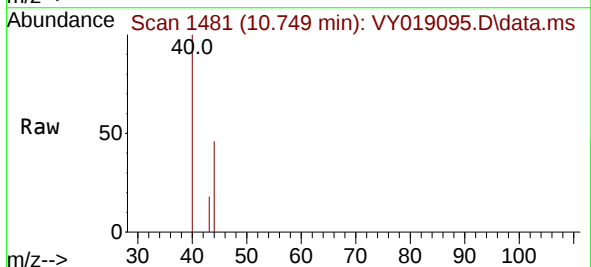
Instrument :
MSVOA_Y
ClientSampleId :

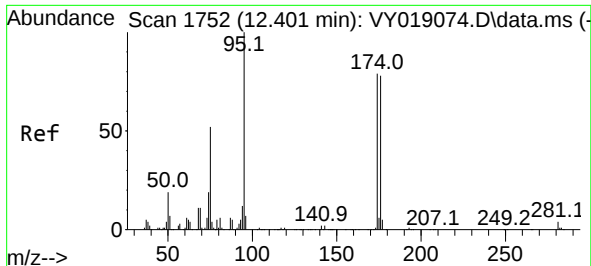
Tgt Ion: 69 Resp: 22
Ion Ratio Lower Upper
69 100
41 0.0 42.3 63.5#
39 0.0 22.9 34.3#



#59
2-Hexanone
Concen: 2.239 ug/l
RT: 10.749 min Scan# 1481
Delta R.T. -0.006 min
Lab File: VY019095.D
Acq: 16 Aug 2024 15:51

Tgt Ion: 43 Resp: 21
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#





#62

4-Bromofluorobenzene

Concen: 22.500 ug/l

RT: 12.402 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019095.D

Acq: 16 Aug 2024 15:51

Instrument :

MSVOA_Y

ClientSampleId :

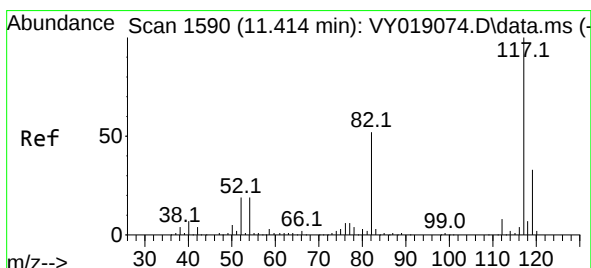
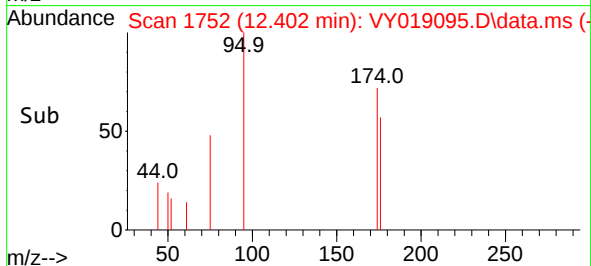
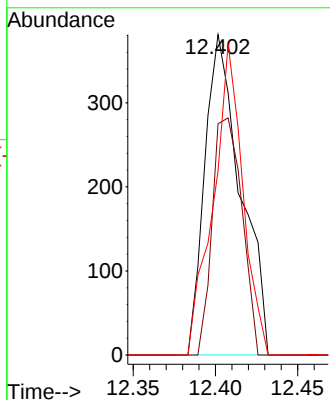
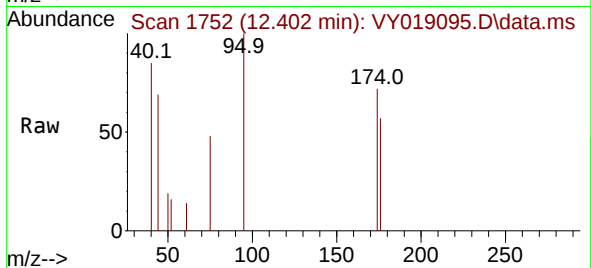
Tgt Ion: 95 Resp: 577

Ion Ratio Lower Upper

95 100

174 61.2 0.0 175.6

176 80.2 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY019095.D

Acq: 16 Aug 2024 15:51

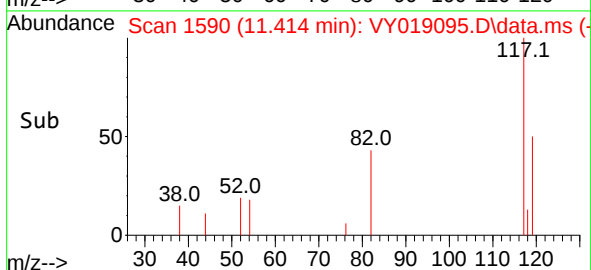
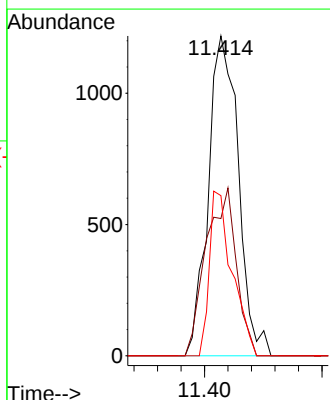
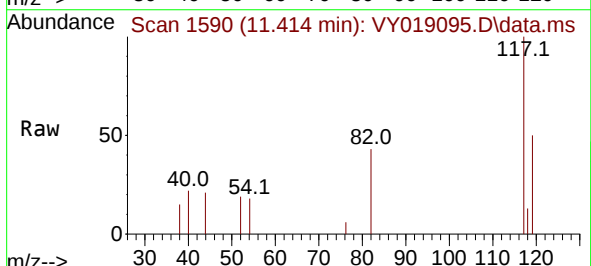
Tgt Ion: 117 Resp: 2171

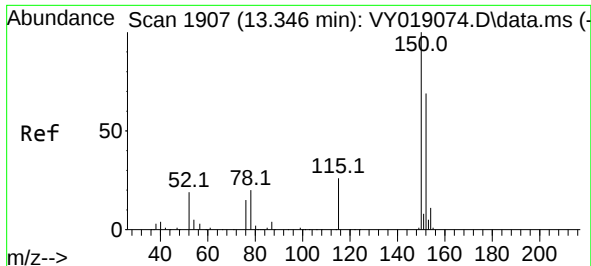
Ion Ratio Lower Upper

117 100

82 42.9 42.4 63.6

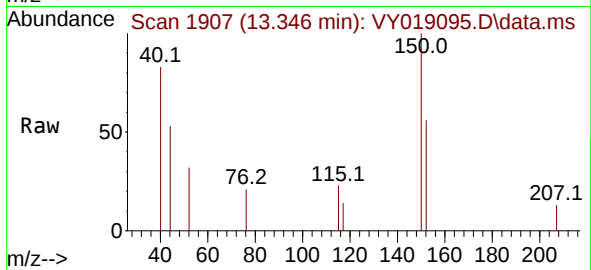
119 50.1 25.9 38.9#



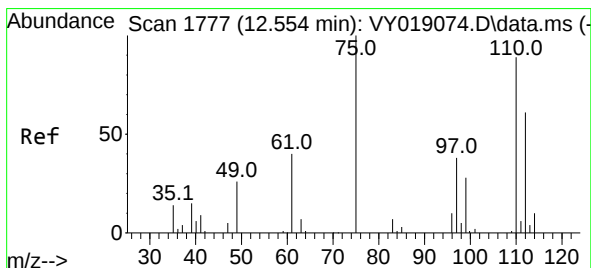
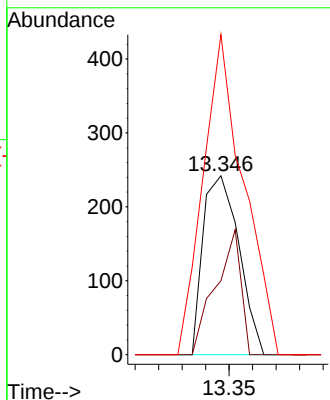
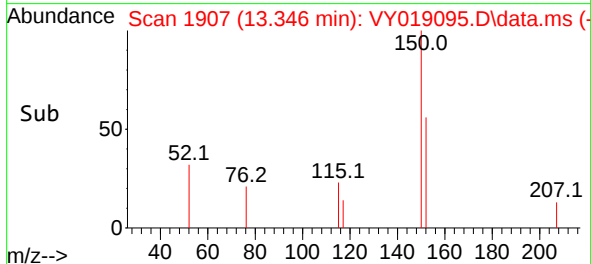


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY019095.D
 Acq: 16 Aug 2024 15:51

Instrument :
 MSVOA_Y
 ClientSampleId :

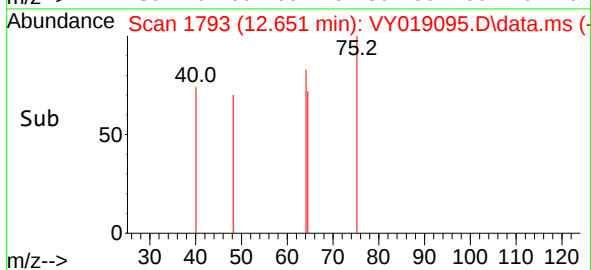
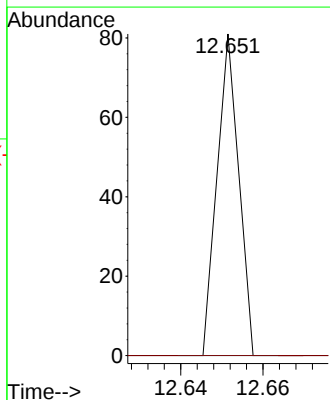
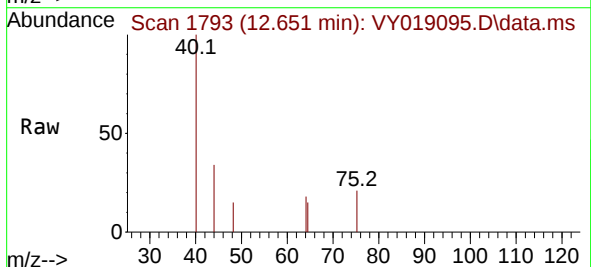


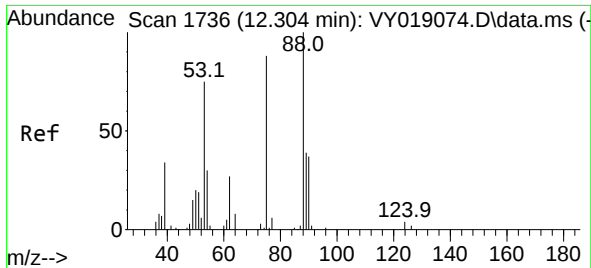
Tgt Ion:152 Resp: 257
 Ion Ratio Lower Upper
 152 100
 115 49.0 28.2 84.7
 150 201.9 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 11.837 ug/l
 RT: 12.651 min Scan# 1793
 Delta R.T. 0.098 min
 Lab File: VY019095.D
 Acq: 16 Aug 2024 15:51

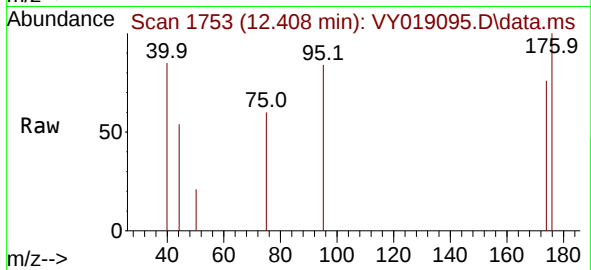
Tgt Ion: 75 Resp: 30
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
trans-1,4-Dichloro-2-butene
Concen: 267.967 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY019095.D
Acq: 16 Aug 2024 15:51

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 275
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

