

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081624\
 Data File : VY019091.D
 Acq On : 16 Aug 2024 14:11
 Operator : SY/MD
 Sample : P3615-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 16 23:13:52 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)

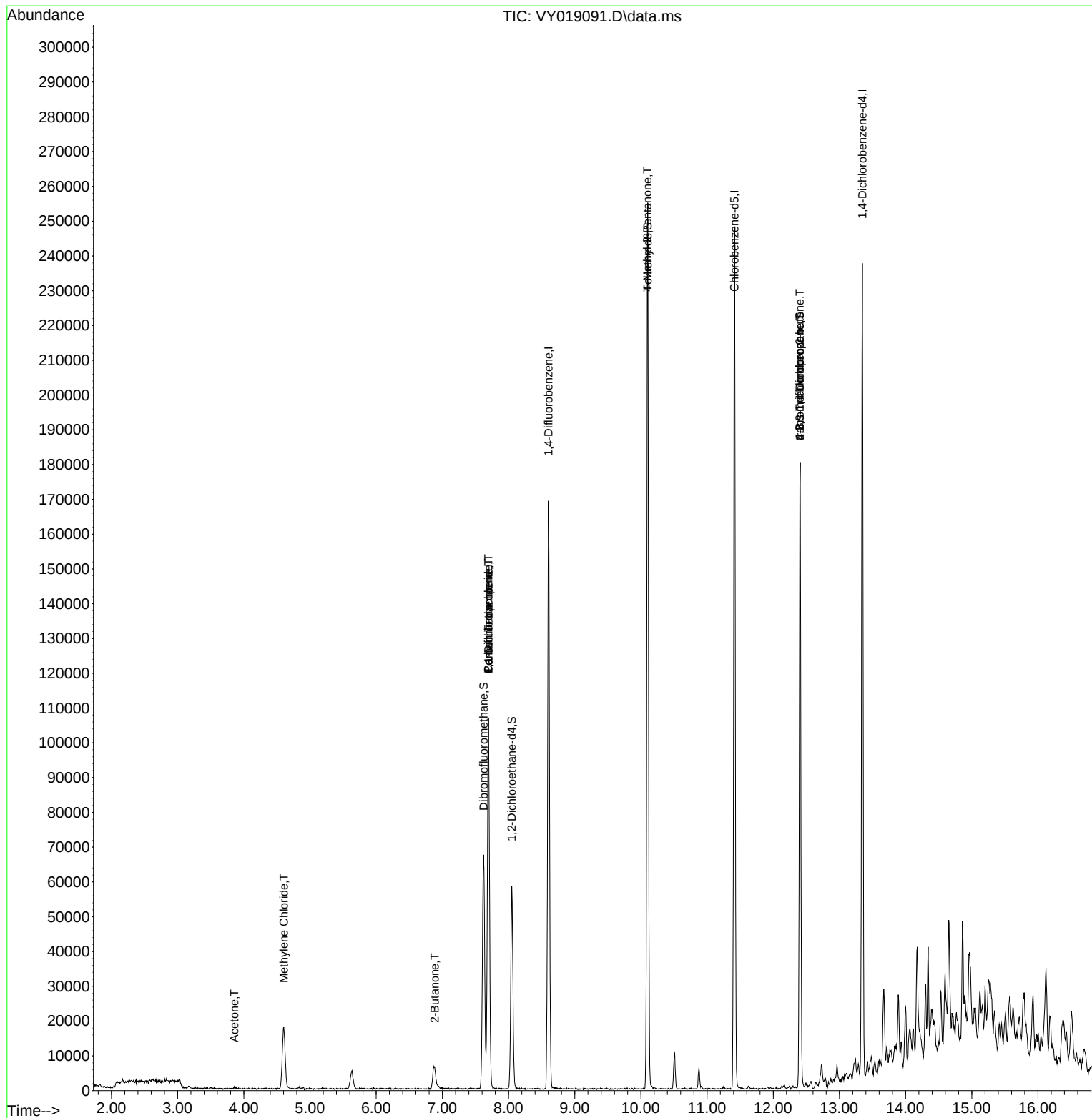
Internal Standards						
1) Pentafluorobenzene	7.695	168	81191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	145234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	132691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	57593	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	43210	53.092	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.180%	
35) Dibromofluoromethane	7.622	113	47901	50.442	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.880%	
50) Toluene-d8	10.103	98	166333	48.673	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.340%	
62) 4-Bromofluorobenzene	12.402	95	53480	45.906	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 91.820%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.598	94	247	Below Cal	#	40
6) Chloroethane	2.684	64	61	Below Cal	#	42
11) Tert butyl alcohol	4.836	59	363	Below Cal	#	90
16) Acetone	3.854	43	405	2.683	ug/l #	74
20) Methylene Chloride	4.604	84	13235	4.893	ug/l	94
25) 2-Butanone	6.884	43	366	1.506	ug/l #	41
31) Cyclohexane	7.695	56	1919	Below Cal	#	49
36) 1,1-Dichloropropene	7.695	75	6420	4.923	ug/l #	49
38) Carbon Tetrachloride	7.695	117	8415	5.568	ug/l #	16
51) 4-Methyl-2-Pentanone	10.097	43	680	1.097	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	28719	50.564	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	28719	124.877	ug/l #	16

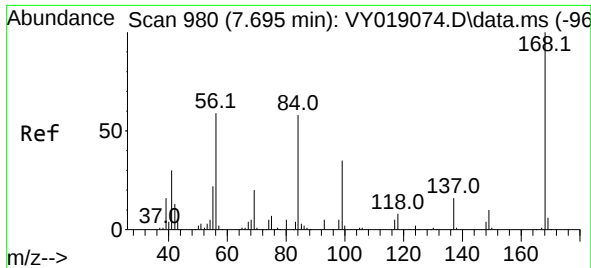
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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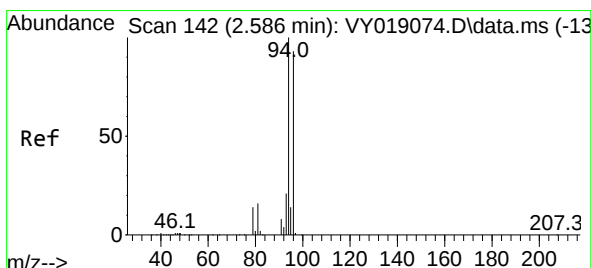
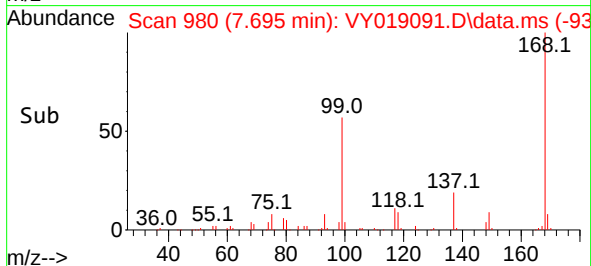
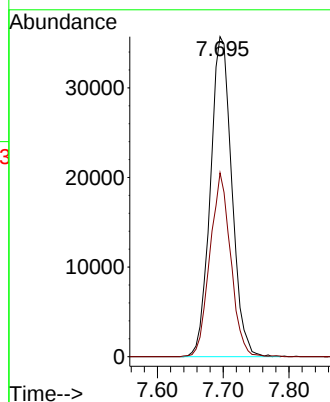
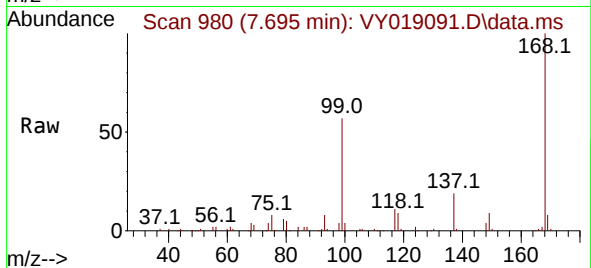




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019091.D
Acq: 16 Aug 2024 14:11

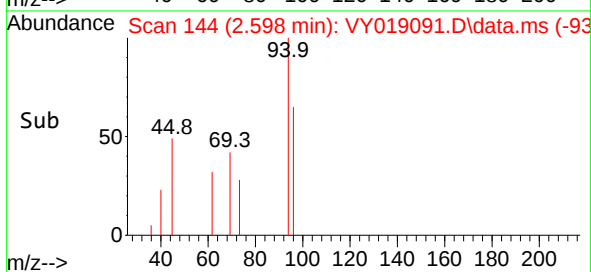
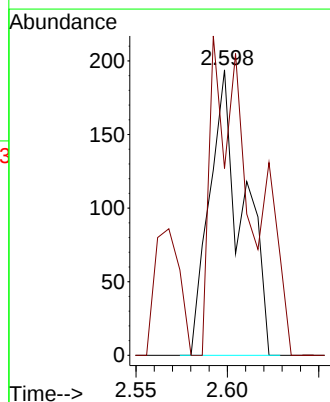
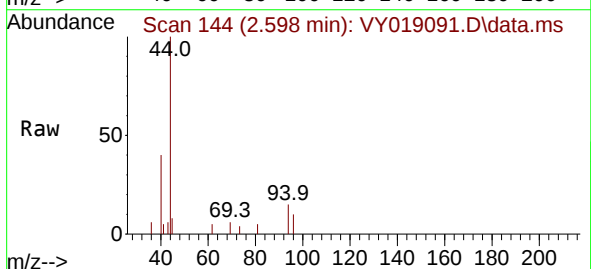
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 81191
Ion Ratio Lower Upper
168 100
99 57.5 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.598 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY019091.D
Acq: 16 Aug 2024 14:11

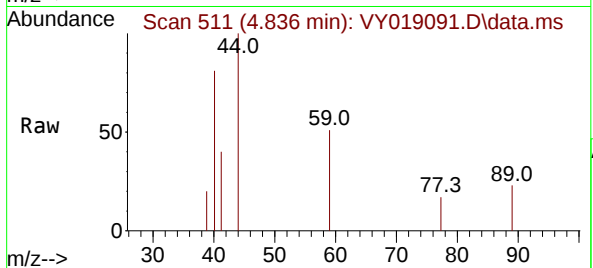
Tgt Ion: 94 Resp: 247
Ion Ratio Lower Upper
94 100
96 35.6 74.1 111.1#



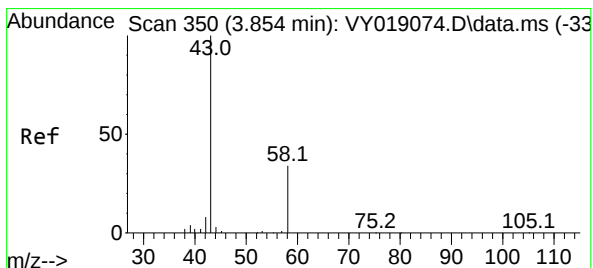
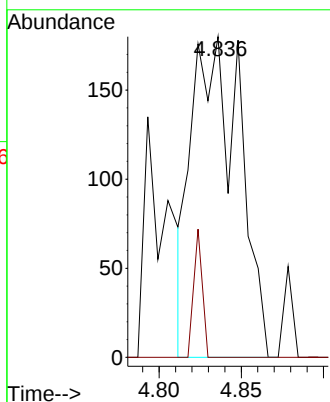
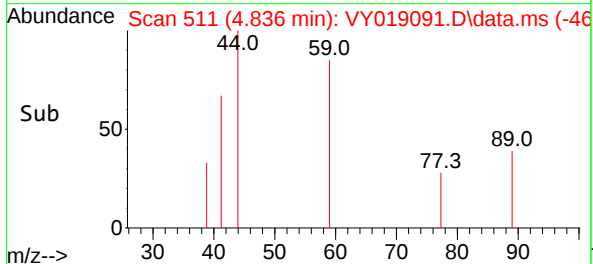


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.836 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY019091.D
Acq: 16 Aug 2024 14:11

Instrument :
MSVOA_Y
ClientSampleId :

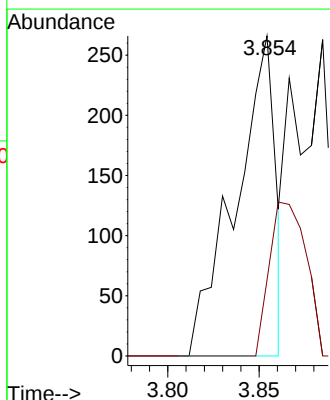
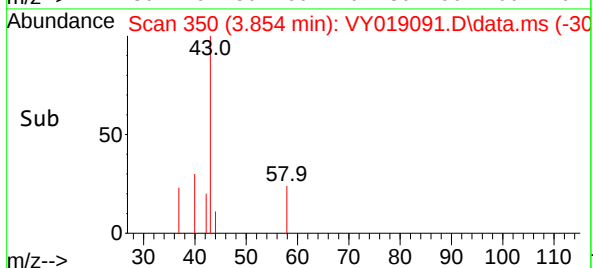
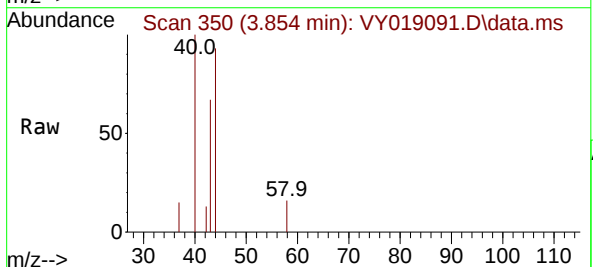


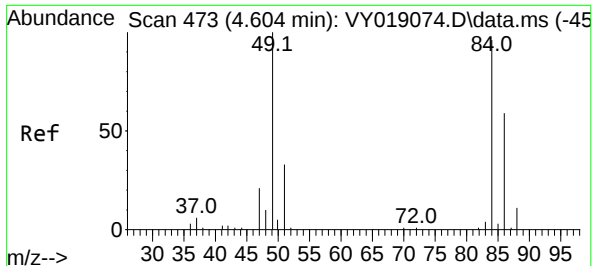
Tgt Ion: 59 Resp: 363
Ion Ratio Lower Upper
59 100
57 7.2 3.0 4.6#



#16
Acetone
Concen: 2.683 ug/l
RT: 3.854 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY019091.D
Acq: 16 Aug 2024 14:11

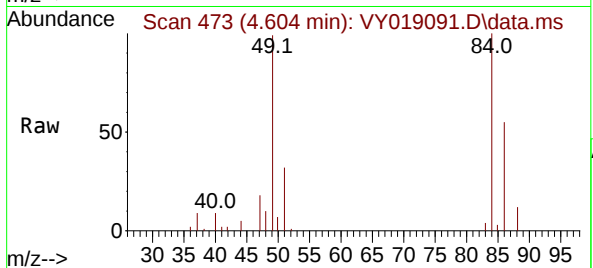
Tgt Ion: 43 Resp: 405
Ion Ratio Lower Upper
43 100
58 23.7 31.7 47.5#



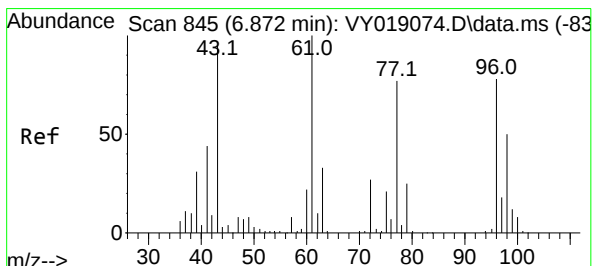
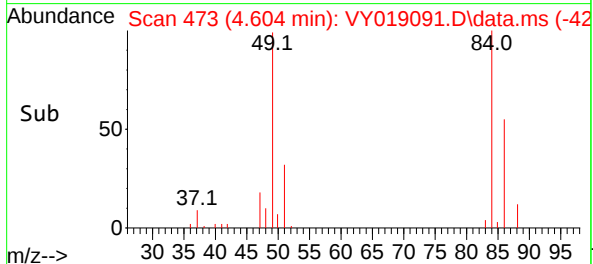
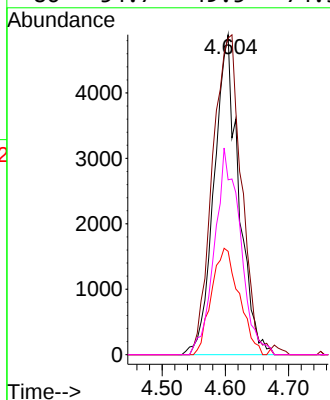


#20
Methylene Chloride
Concen: 4.893 ug/l
RT: 4.604 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY019091.D
Acq: 16 Aug 2024 14:11

Instrument :
MSVOA_Y
ClientSampleId :

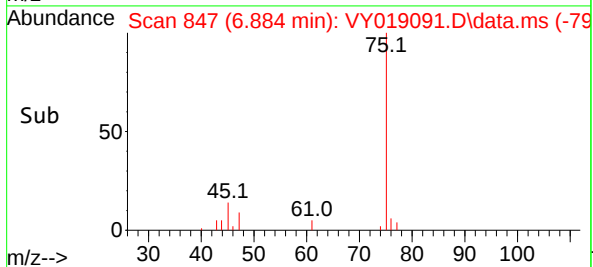
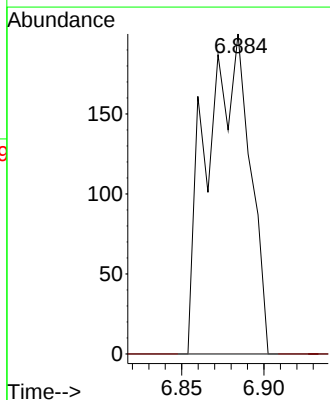
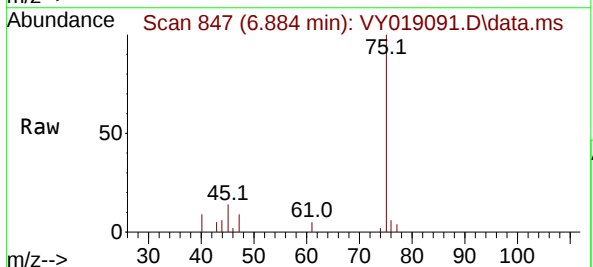


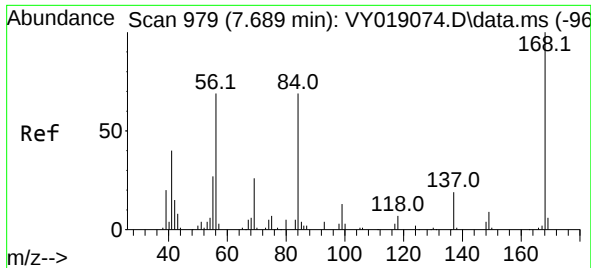
Tgt Ion	84	Resp:	13235
Ion	Ratio	Lower	Upper
84	100		
49	98.9	84.4	126.6
51	32.3	26.0	39.0
86	54.7	49.5	74.3



#25
2-Butanone
Concen: 1.506 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.013 min
Lab File: VY019091.D
Acq: 16 Aug 2024 14:11

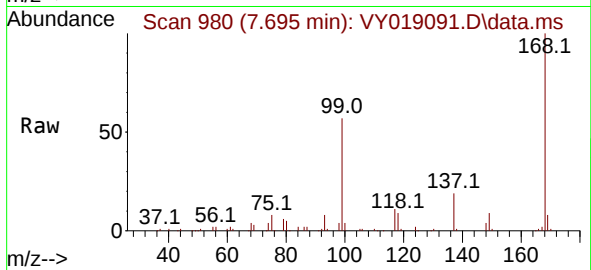
Tgt Ion	43	Resp:	366
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#



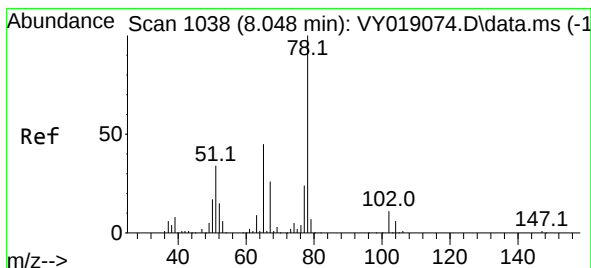
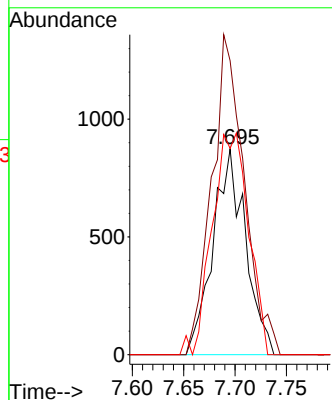
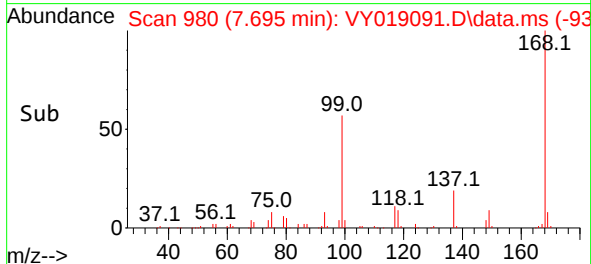


#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019091.D
Acq: 16 Aug 2024 14:11

Instrument :
MSVOA_Y
ClientSampleId :

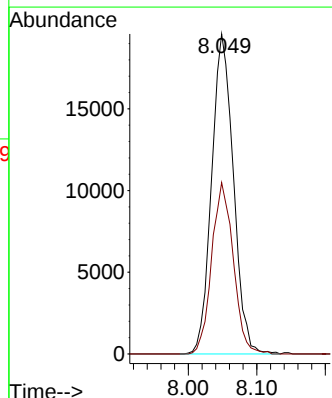
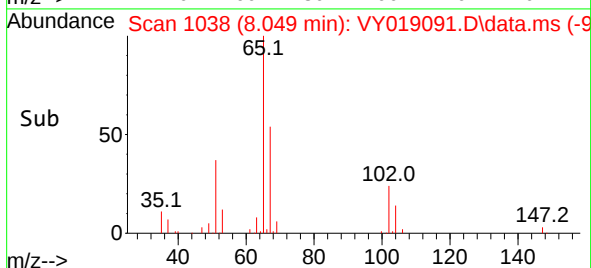
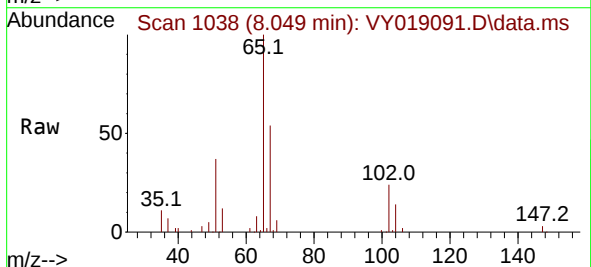


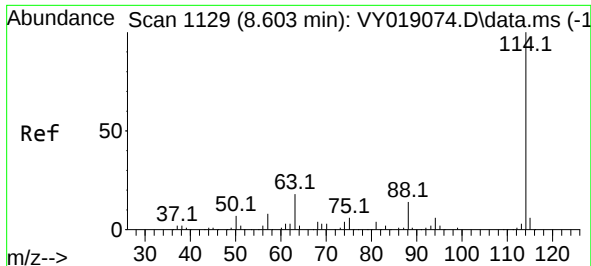
Tgt Ion: 56 Resp: 1919
Ion Ratio Lower Upper
56 100
69 142.8 28.7 43.1#
84 100.2 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 53.092 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY019091.D
Acq: 16 Aug 2024 14:11

Tgt Ion: 65 Resp: 43210
Ion Ratio Lower Upper
65 100
67 53.1 0.0 109.6

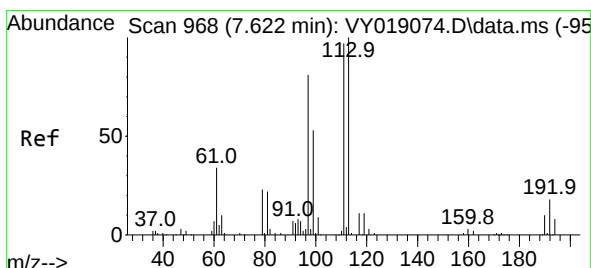
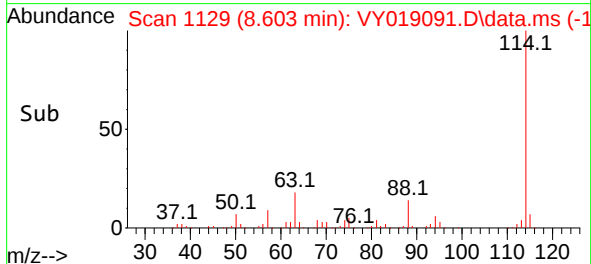
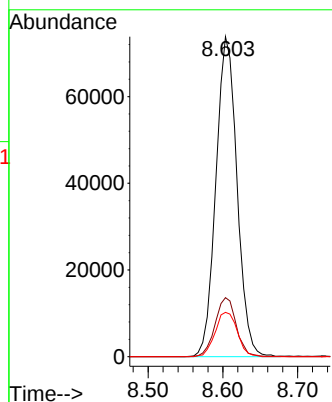
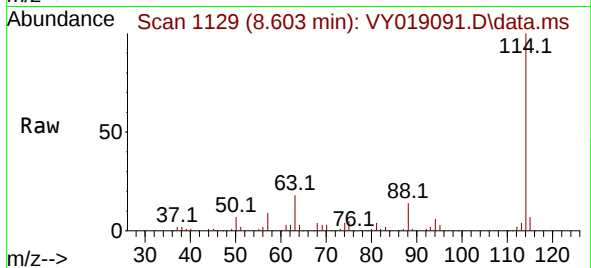




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.603 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VY019091.D
Acq: 16 Aug 2024 14:11

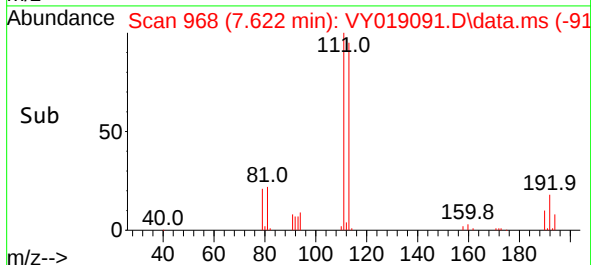
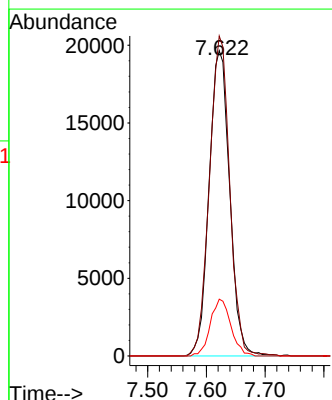
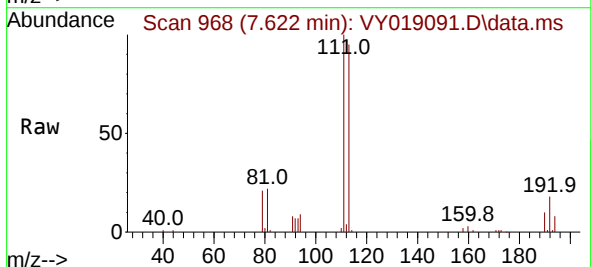
Instrument :
MSVOA_Y
ClientSampleId :

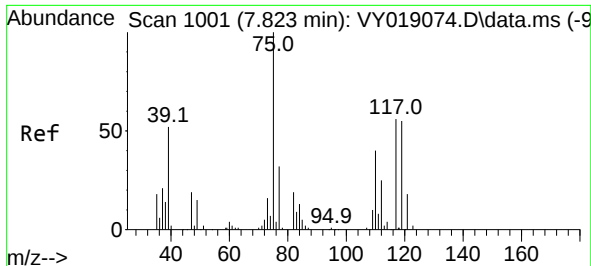
Tgt Ion:114 Resp: 145234
Ion Ratio Lower Upper
114 100
63 18.4 0.0 35.0
88 13.8 0.0 27.2



#35
Dibromofluoromethane
Concen: 50.442 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY019091.D
Acq: 16 Aug 2024 14:11

Tgt Ion:113 Resp: 47901
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.4
192 18.5 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.923 ug/l

RT: 7.695 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY019091.D

Acq: 16 Aug 2024 14:11

Instrument :

MSVOA_Y

ClientSampleId :

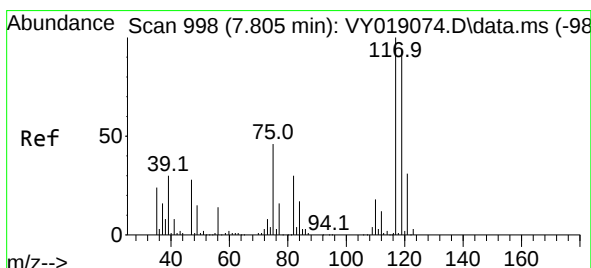
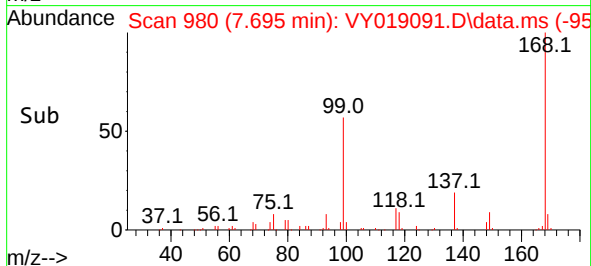
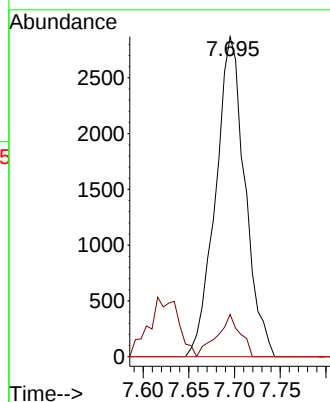
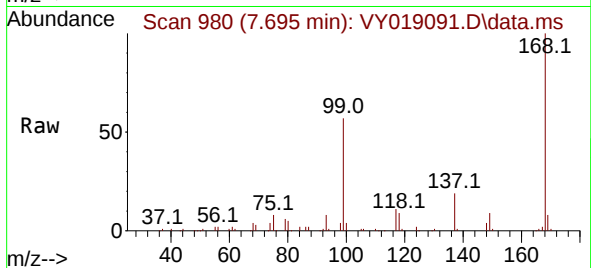
Tgt Ion: 75 Resp: 6420

Ion Ratio Lower Upper

75 100

110 10.4 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.568 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.109 min

Lab File: VY019091.D

Acq: 16 Aug 2024 14:11

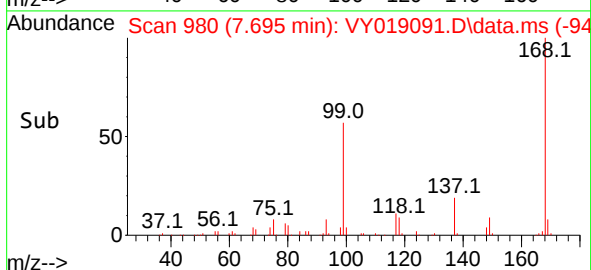
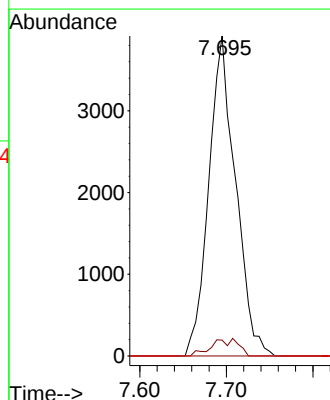
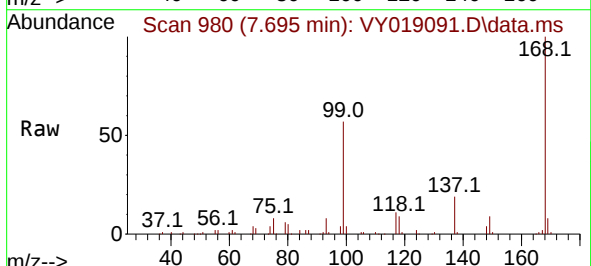
Tgt Ion: 117 Resp: 8415

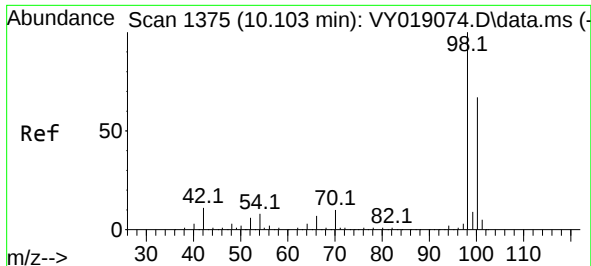
Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.6#

121 0.0 24.0 36.0#

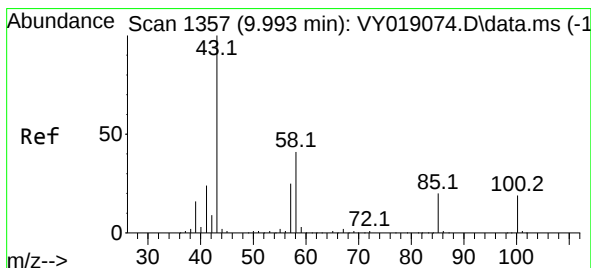
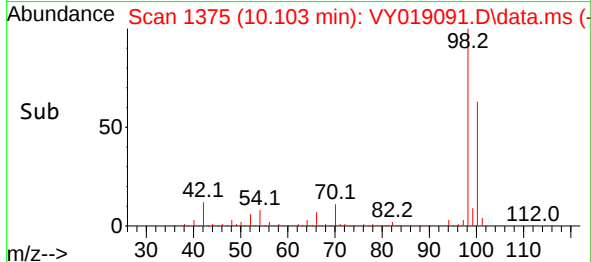
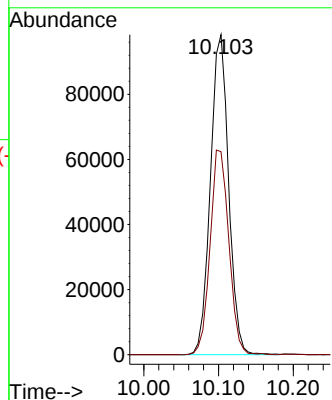
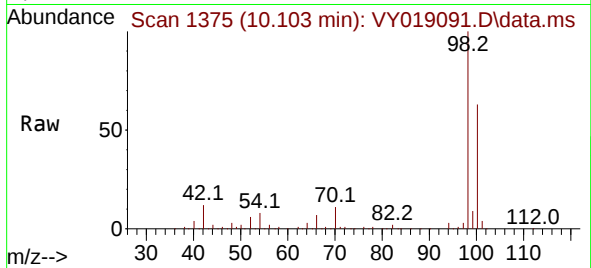




#50
Toluene-d8
Concen: 48.673 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019091.D
Acq: 16 Aug 2024 14:11

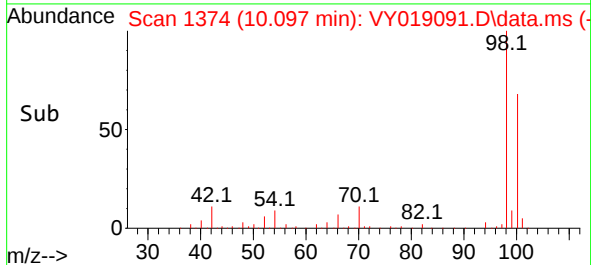
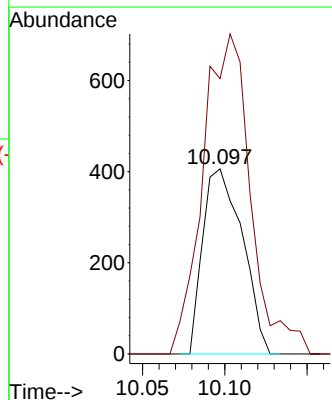
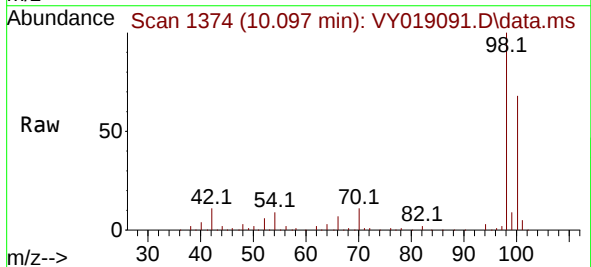
Instrument :
MSVOA_Y
ClientSampleId :

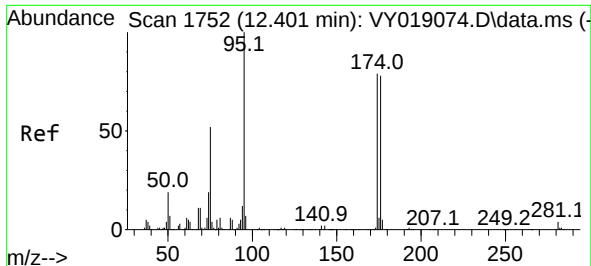
Tgt Ion: 98 Resp: 166333
Ion Ratio Lower Upper
98 100
100 65.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.097 ug/l
RT: 10.097 min Scan# 1374
Delta R.T. 0.104 min
Lab File: VY019091.D
Acq: 16 Aug 2024 14:11

Tgt Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
58 207.8 35.7 53.5#

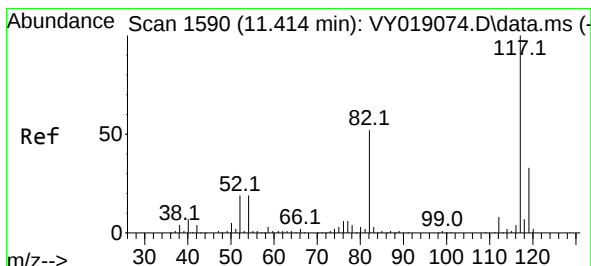
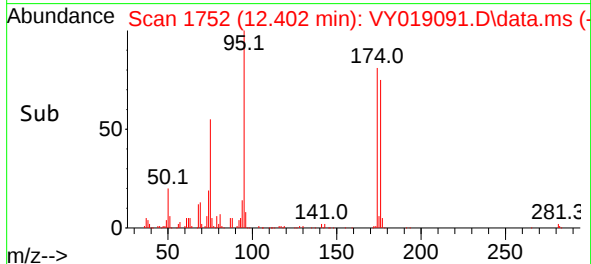
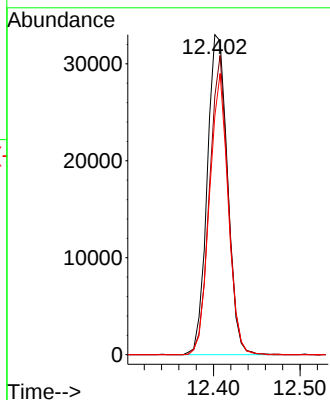
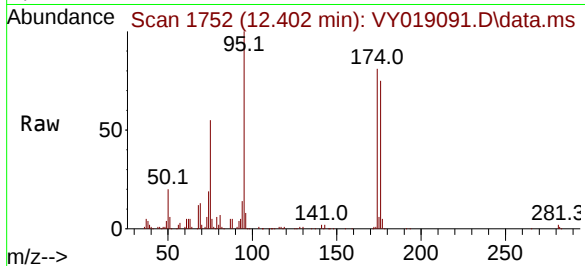




#62
4-Bromofluorobenzene
Concen: 45.906 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY019091.D
Acq: 16 Aug 2024 14:11

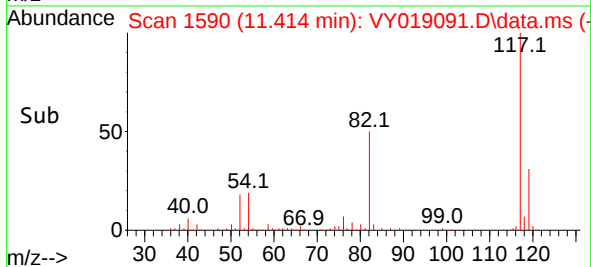
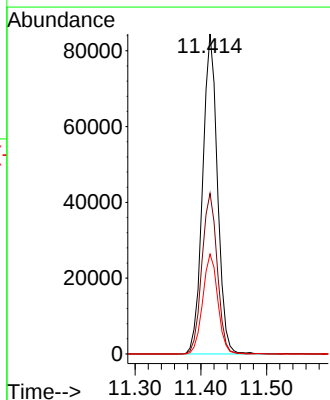
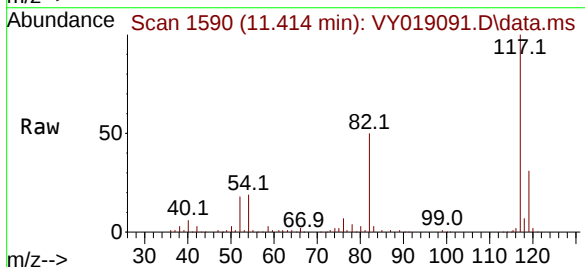
Instrument :
MSVOA_Y
ClientSampleId :

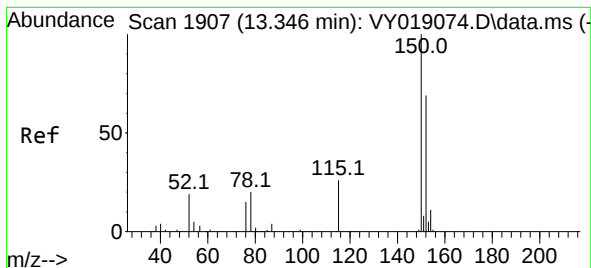
Tgt Ion:	95	Resp:	53480
Ion Ratio	Lower	Upper	
95	100		
174	86.1	0.0	175.6
176	81.3	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY019091.D
Acq: 16 Aug 2024 14:11

Tgt Ion:	117	Resp:	132691
Ion Ratio	Lower	Upper	
117	100		
82	50.2	42.4	63.6
119	31.2	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019091.D

Acq: 16 Aug 2024 14:11

Instrument :

MSVOA_Y

ClientSampleId :

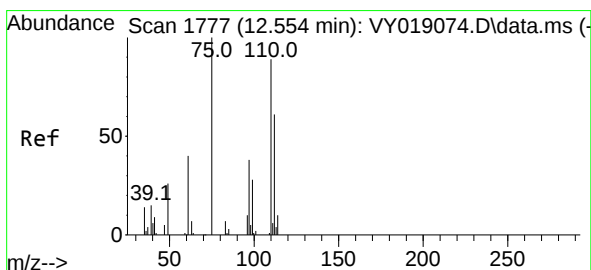
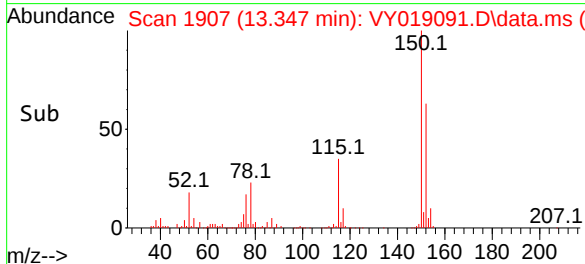
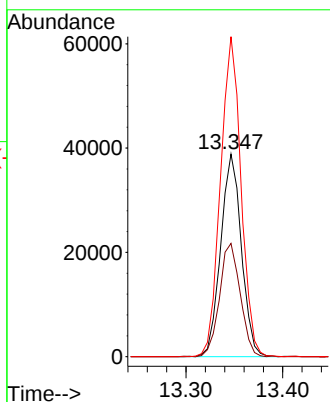
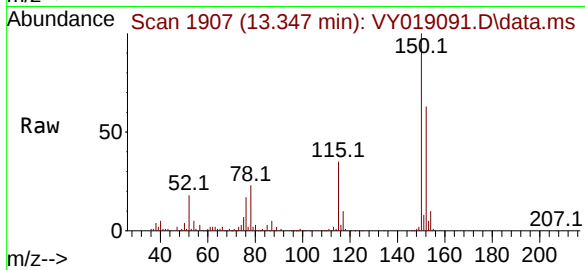
Tgt Ion:152 Resp: 57593

Ion Ratio Lower Upper

152 100

115 56.0 28.2 84.7

150 156.7 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 50.564 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY019091.D

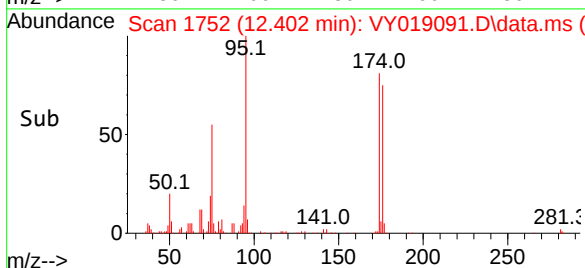
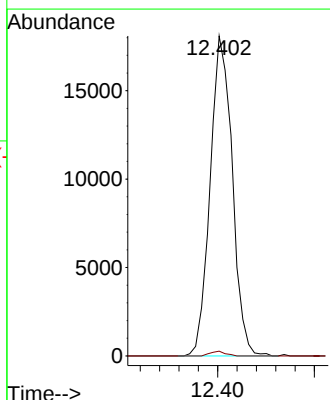
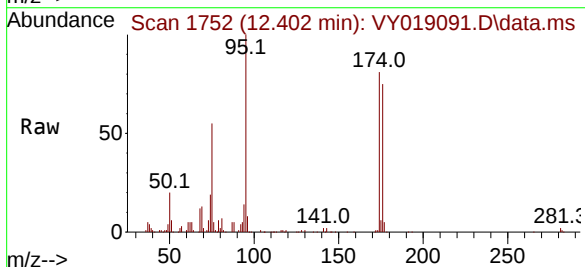
Acq: 16 Aug 2024 14:11

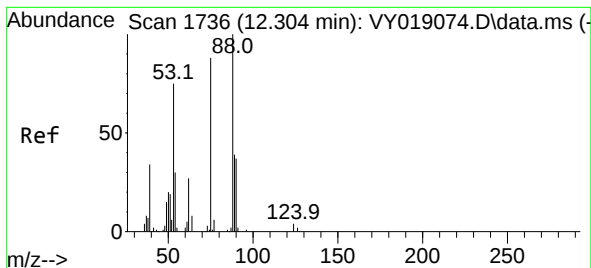
Tgt Ion: 75 Resp: 28719

Ion Ratio Lower Upper

75 100

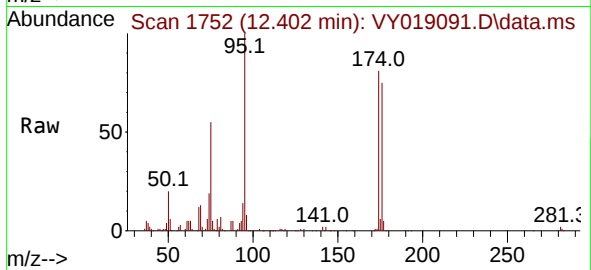
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.877 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019091.D
 Acq: 16 Aug 2024 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :



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

